LONGHORN ARMY AMMUNITION PLANT KARNACK, TEXAS

ADMINISTRATIVE RECORD

Volume 7

2024

Bate Stamp Numbers
01224455 – 01226412

Prepared for

Department of the Army
Longhorn Army Ammunition Plant

1976–2024

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

VOLUME 7

2024

A.	Title:	Report (Cont'd) – Draft Final Ninth Annual Remedial Action Operation Report (September 2022–August 2023), LHAAP-35A (58) Shops Area, Longhorn Army Ammunition Plant (LHAAP), Karnack, Texas, February 2024
	Author(s):	Department of the Army
	Recipient:	Environmental Protection Agency and Texas Commission on Environmental Quality
	Date:	February 6, 2024
	Bate Stamp:	01224455–01226412

Data File: \\nahstws005\Target\chem\FID-4.i\230608.b\013.D Page 1
Report Date: 08-Jun-2023 11:08

ALS Laboratory Group

Dissolved Gases Analysis

Data file : \\nahstws005\Target\chem\FID-4.i\230608.b\013.D
Lab Smp Id: HS23060280-02 Client Smp ID: HS23060280-02
Inj Date : 08-JUN-2023 10:54
Operator : JA Inst ID: FID-4.i
Smp Info : HS23060280-02;HS23060280-02
Misc Info : 100
Comment :
Method : \\nahstws005\Target\chem\FID-4.i\230608.b\RSKNI3.m
Meth Date : 08-Jun-2023 10:15 samy.mata Quant Type: ESTD
Cal Date : 24-JAN-2017 10:15 Cal File: 004.D
Als bottle: 13
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: RSK175.sub
Target Version: 4.14
Processing Host: NAHSTW7022

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	0.446	0.430	0.016	32680	33.5182	3351.821(M)

QC Flag Legend

M - Compound response manually integrated.

01224456

Data File: \\nahstws005\Target\chem\FID-4.i\230608.b\013.D

Date : 08-JUN-2023 10:54

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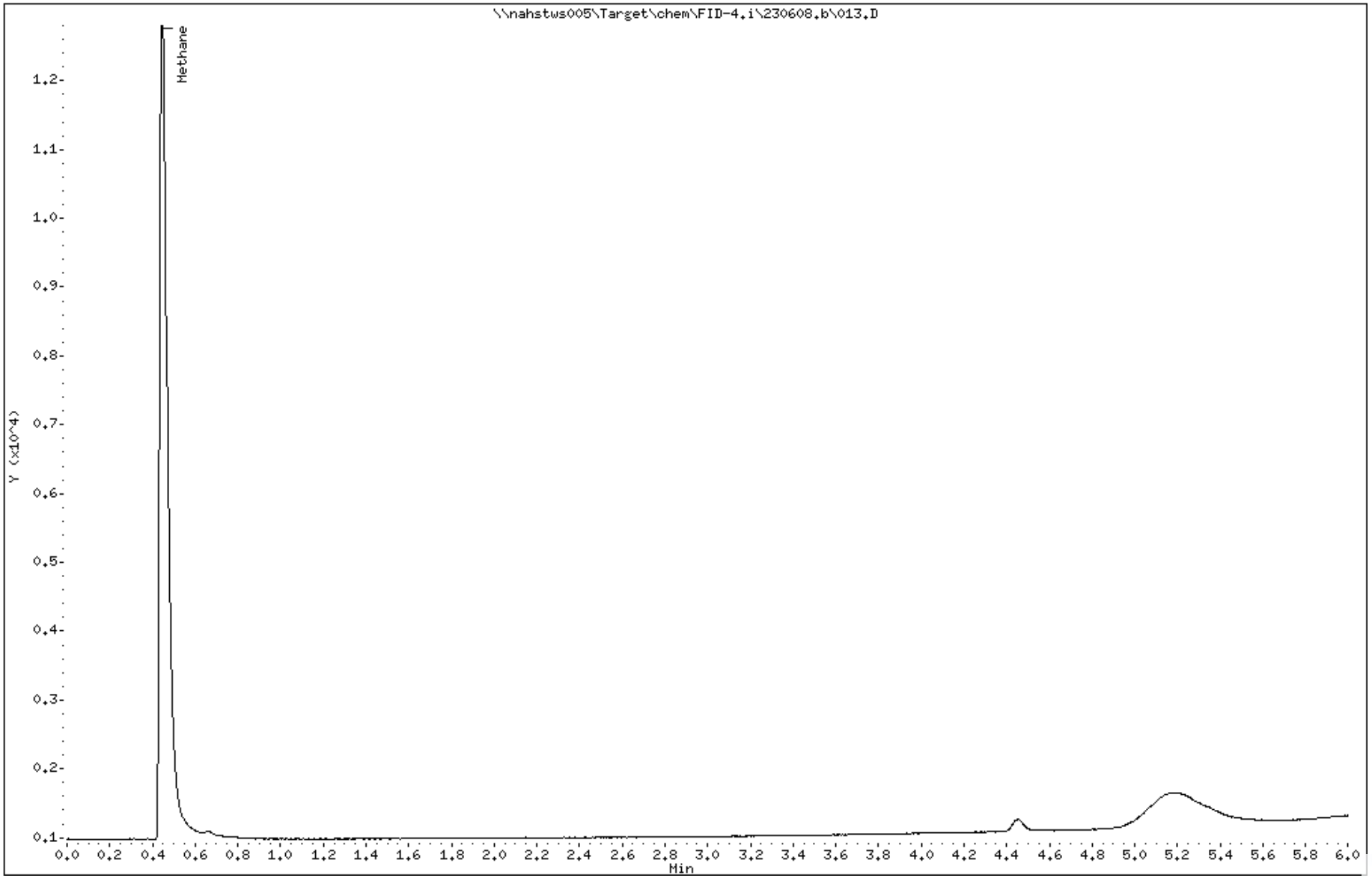
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Sample Info: HS23060280-02;HS23060280-02

Operator: JA

Column phase: Rtx-PLOT

Column diameter: 0.53



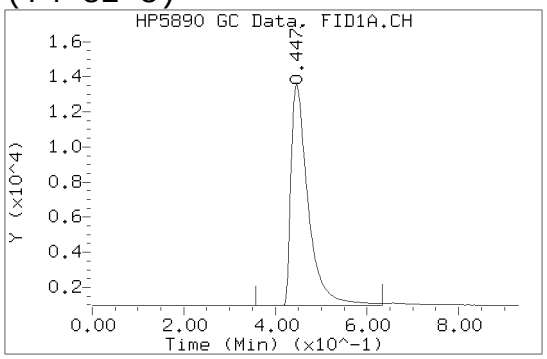
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InstruID : FID-4.i
LabSampID : HS23060280-02

Methane (74-82-8)

Reason Code:

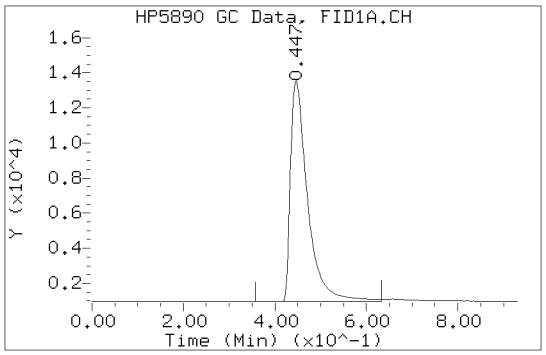
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AREA
32680
HEIGHT
12629
08-Jun-2023
11:08
samy
mata



AFTER

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100
AREA
32680
HEIGHT
12629
08-Jun-2023
11:08
samy
mata



Data File: \\nahstws005\Target\chem\FID-4.i\230608.b\014.D Page 1
Report Date: 08-Jun-2023 11:37

ALS Laboratory Group

Dissolved Gases Analysis

Data file : \\nahstws005\Target\chem\FID-4.i\230608.b\014.D
Lab Smp Id: HS23060280-03 Client Smp ID: HS23060280-03
Inj Date : 08-JUN-2023 11:09
Operator : JA Inst ID: FID-4.i
Smp Info : HS23060280-03;HS23060280-03
Misc Info : 100
Comment :
Method : \\nahstws005\Target\chem\FID-4.i\230608.b\RSKNI3.m
Meth Date : 08-Jun-2023 10:15 samy.mata Quant Type: ESTD
Cal Date : 24-JAN-2017 10:15 Cal File: 004.D
Als bottle: 14
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: RSK175.sub
Target Version: 4.14
Processing Host: NAHSTW7022

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	0.443	0.430	0.013	27847	28.5613	2856.125(M)

QC Flag Legend

M - Compound response manually integrated.

01224459

Data File: \\nahstws005\Target\chem\FID-4.i\230608.b\014.D

Page 1

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Client ID: HS23060280-03

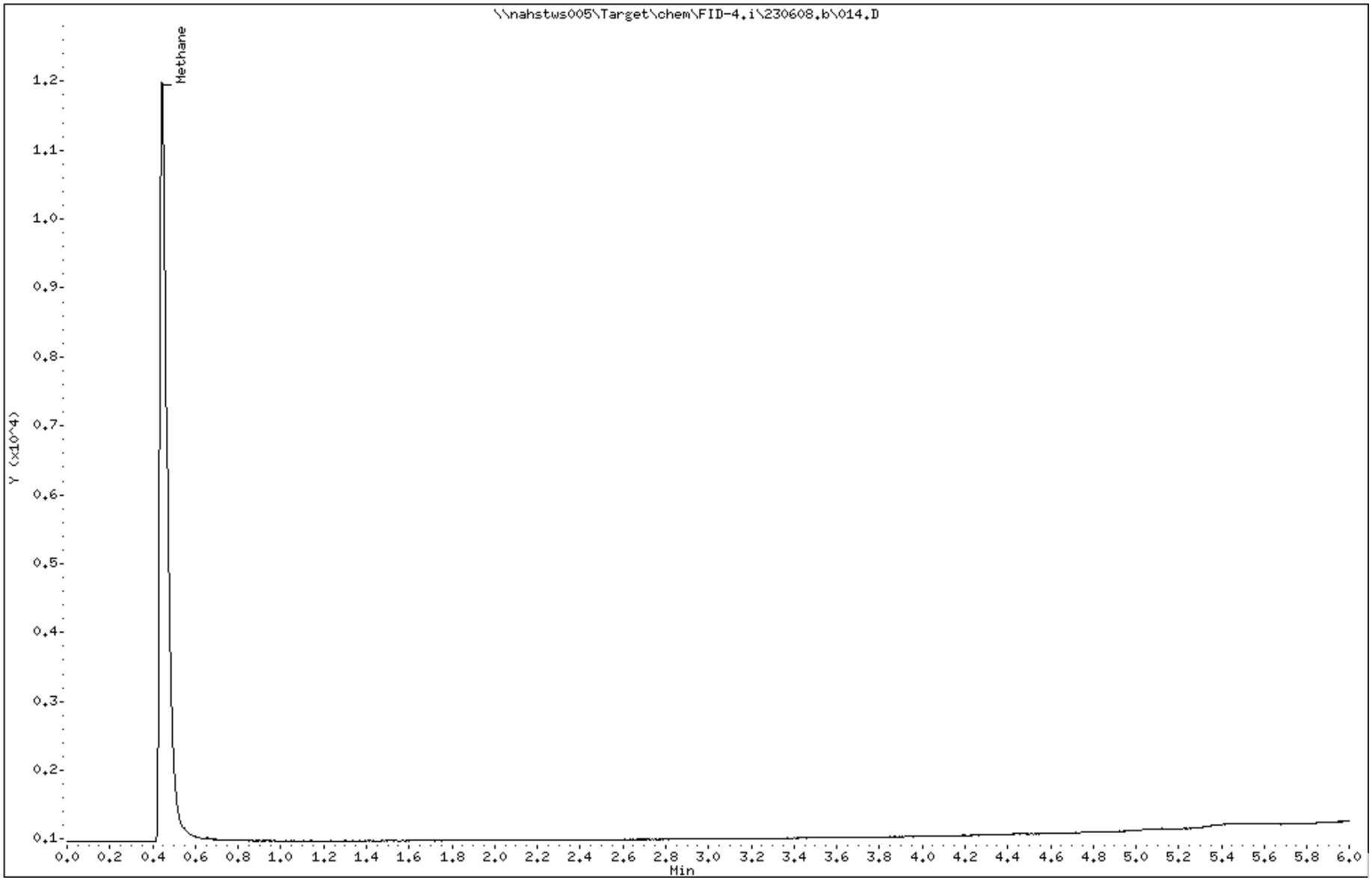
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Sample Info: HS23060280-03;HS23060280-03

Operator: JA

Column phase: Rtx-PLOT

Column diameter: 0.53



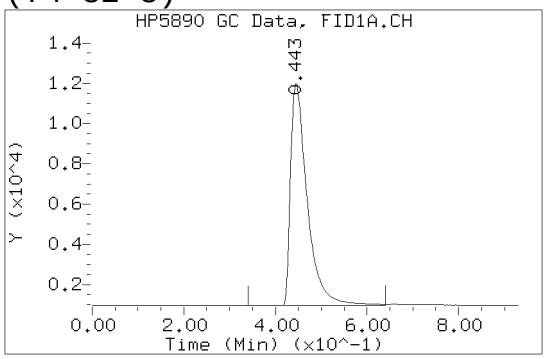
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Inj Date : 08-JUN-2023 11:09
InstruID : FID-4.i
LabSampID : HS23060280-03

Methane (74-82-8)

Reason Code:

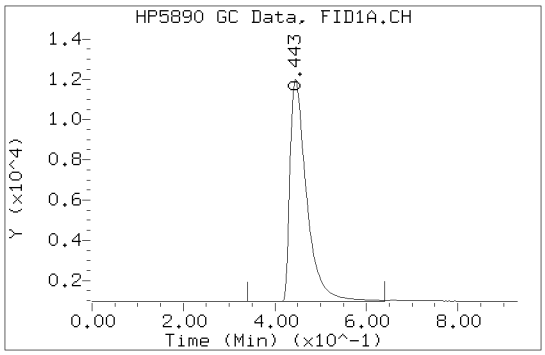
BEFORE

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AREA
27847
HEIGHT
11008
08-Jun-2023
11:37
samy
mata



AFTER

MASS
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AREA
27847
HEIGHT
11008
08-Jun-2023
11:37
samy
mata



Data File: \\nahstws005\Target\chem\FID-4.i\230608.b\015.D Page 1
Report Date: 08-Jun-2023 12:34

ALS Laboratory Group

Dissolved Gases Analysis

Data file : \\nahstws005\Target\chem\FID-4.i\230608.b\015.D
Lab Smp Id: HS23060280-04 Client Smp ID: HS23060280-04
Inj Date : 08-JUN-2023 12:17
Operator : JA Inst ID: FID-4.i
Smp Info : HS23060280-04;HS23060280-04
Misc Info :
Comment :
Method : \\nahstws005\Target\chem\FID-4.i\230608.b\RSKNI3.m
Meth Date : 08-Jun-2023 10:15 samy.mata Quant Type: ESTD
Cal Date : 24-JAN-2017 10:15 Cal File: 004.D
Als bottle: 15
Dil Factor: 200.00000
Integrator: Falcon Compound Sublist: RSK175.sub
Target Version: 4.14
Processing Host: NAHSTW7022

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	0.426	0.430	-0.004	23369	23.9684	4793.678(M)

QC Flag Legend

M - Compound response manually integrated.

01224462

Data File: \\nahstws005\Target\chem\FID-4.i\230608.b\015.D

Date : 08-JUN-2023 12:17

Client ID: HS23060280-04

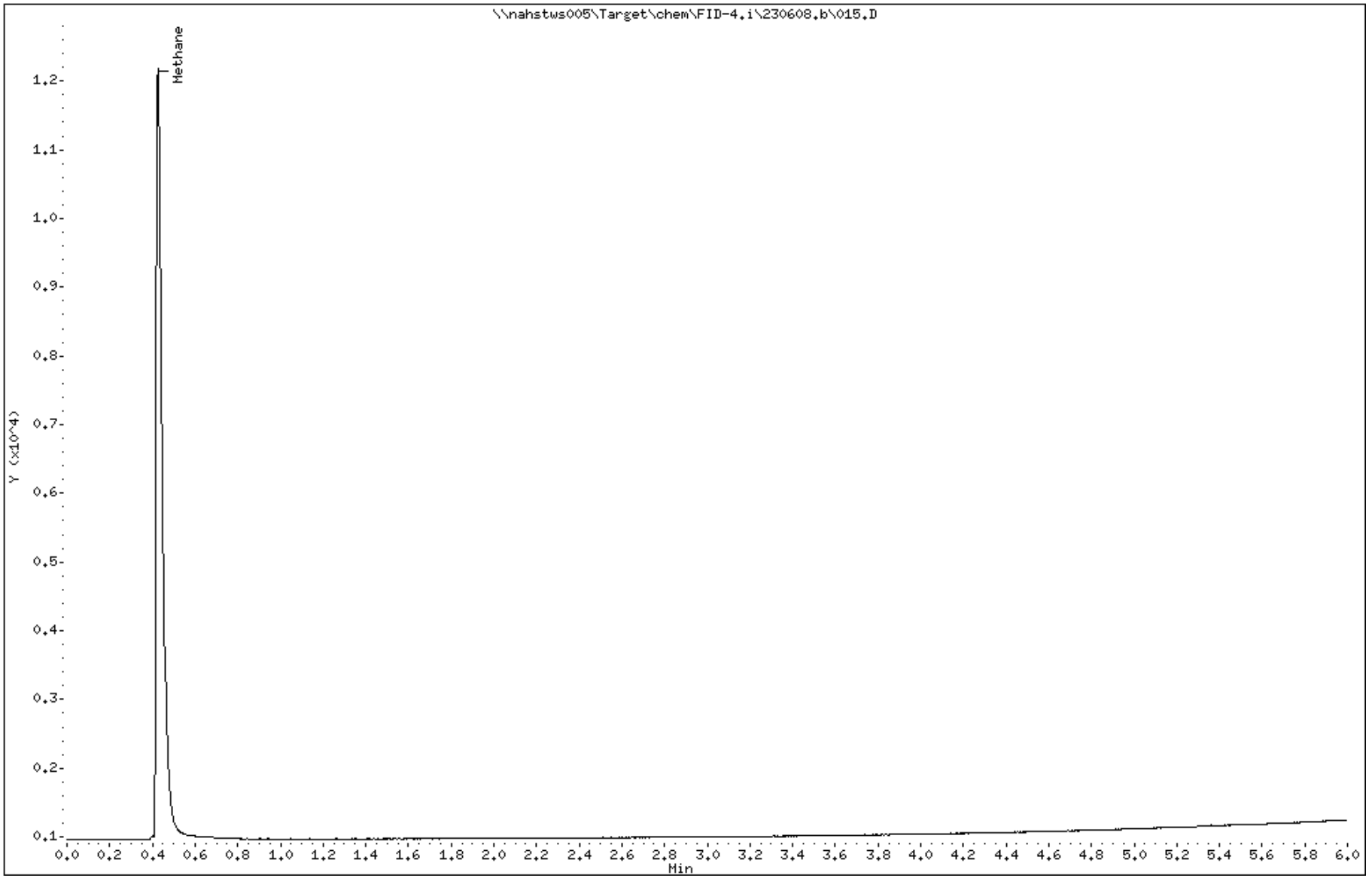
Instrument: FID-4.i

Sample Info: HS23060280-04;HS23060280-04

Operator: JA

Column phase: Rtx-PLOT

Column diameter: 0.53



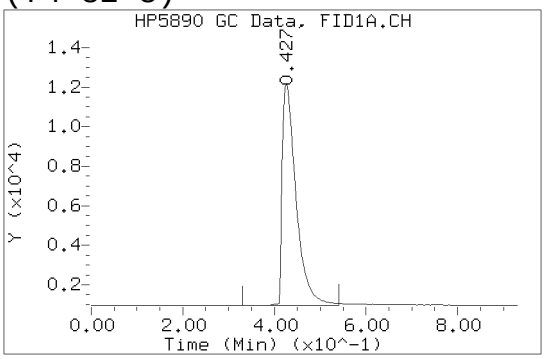
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Inj Date : 08-JUN-2023 12:17
InstruID : FID-4.i
LabSampID : HS23060280-04

Methane (74-82-8)

Reason Code:

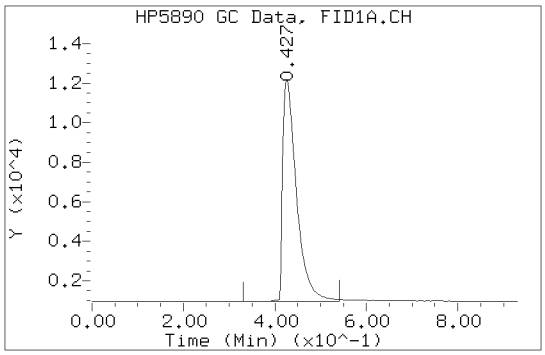
BEFORE

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AREA
23369
HEIGHT
11214
08-Jun-2023
12:34
samy
mata



AFTER

MASS
100
AREA
23369
HEIGHT
11214
08-Jun-2023
12:34
samy
mata



ALS Laboratory Group

Dissolved Gases Analysis

Data file : \\nahstws005\Target\chem\FID-4.i\230608.b\016.D
Lab Smp Id: HS23060280-05
Inj Date : 08-JUN-2023 12:37
Operator : JA Inst ID: FID-4.i
Smp Info : HS23060280-05;HS23060280-05
Misc Info : 200
Comment :
Method : \\nahstws005\Target\chem\FID-4.i\230608.b\RSKNI3.m
Meth Date : 08-Jun-2023 10:15 samy.mata Quant Type: ESTD
Cal Date : 24-JAN-2017 10:15 Cal File: 004.D
Als bottle: 16
Dil Factor: 200.00000
Integrator: Falcon Compound Sublist: RSK175.sub
Target Version: 4.14
Processing Host: NAHSTW7022

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	0.433	0.430	0.003	36278	37.2085	7441.699(M)

QC Flag Legend

M - Compound response manually integrated.

01224465

Data File: \\nahstws005\Target\chem\FID-4.i\230608.b\016.D

Date : 08-JUN-2023 12:37

Client ID:

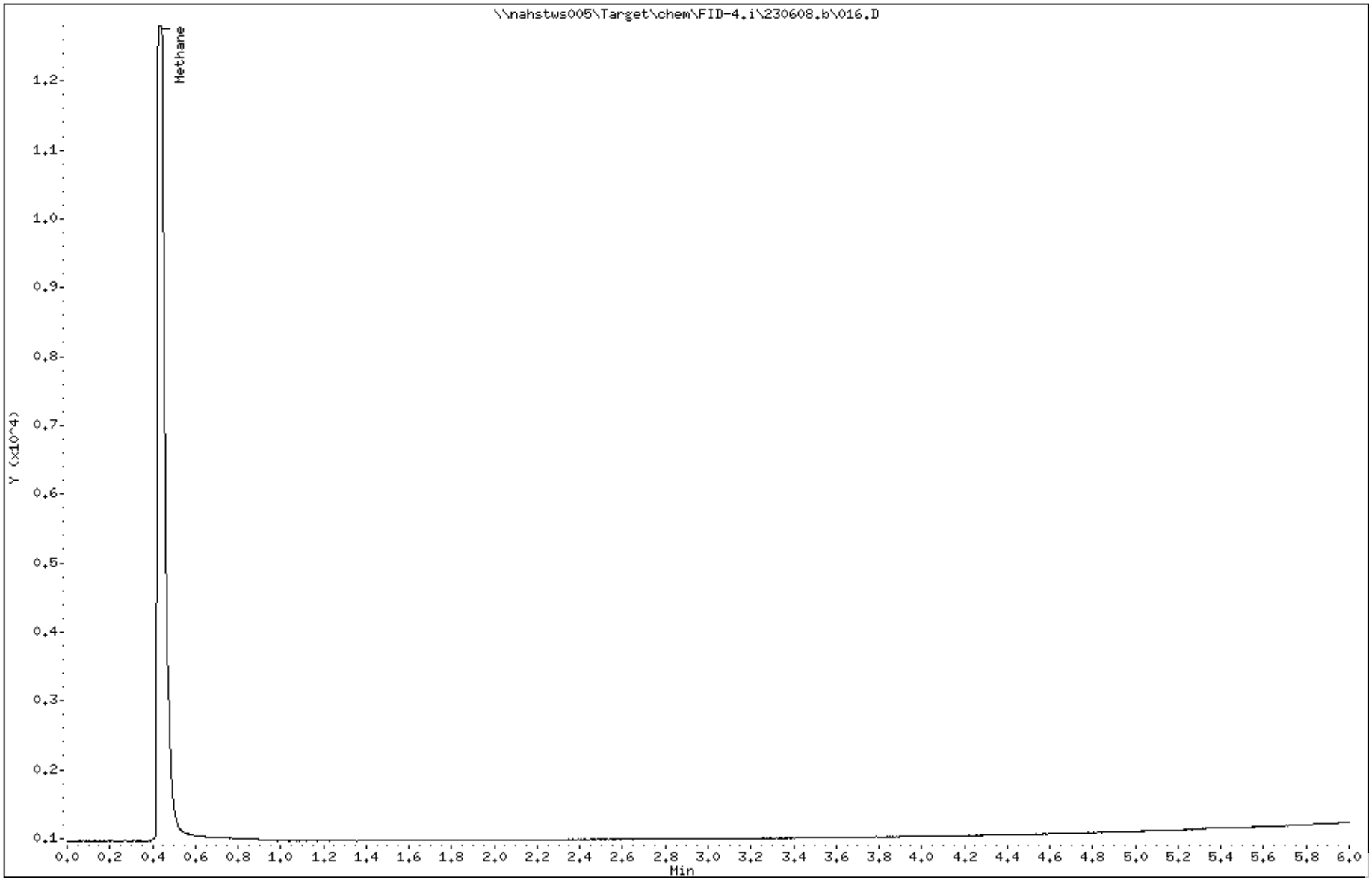
Instrument: FID-4.i

Sample Info: HS23060280-05;HS23060280-05

Operator: JA

Column phase: Rtx-PLOT

Column diameter: 0.53



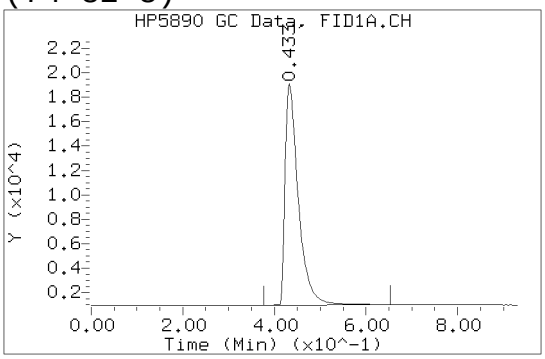
Data File : \\nahstws005\Target\chem\FID-4.i\230608.b\016.D
Inj Date : 08-JUN-2023 12:37
InstruID : FID-4.i
LabSampID : HS23060280-05

Methane (74-82-8)

Reason Code:

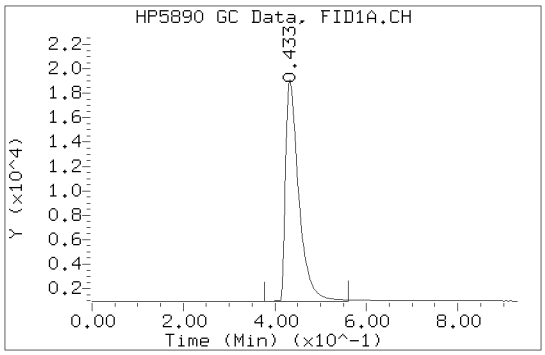
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36582
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18140
08-Jun-2023
12:51
samy
mata



AFTER

MASS
100
AREA
36278
HEIGHT
18139
08-Jun-2023
12:52
samy
mata



ALS Laboratory Group

Dissolved Gases Analysis

Data file : \\NAHSTWS005\Target\chem\FID-4.i\230608.b\017.D
Lab Smp Id: HS23060280-06 Client Smp ID: HS23060280-06
Inj Date : 08-JUN-2023 12:52
Operator : JA Inst ID: FID-4.i
Smp Info : HS23060280-06;HS23060280-06
Misc Info : 200
Comment :
Method : \\NAHSTWS005\Target\chem\FID-4.i\230608.b\RSKNI3.m
Meth Date : 08-Jun-2023 16:07 samy.mata Quant Type: ESTD
Cal Date : 24-JAN-2017 10:15 Cal File: 004.D
Als bottle: 17
Dil Factor: 200.00000
Integrator: Falcon Compound Sublist: RSK175.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	0.430	0.423	0.007	29779	30.5428	6108.560(M)

QC Flag Legend

M - Compound response manually integrated.

01224468

Data File: \\NAHSTWS005\Target\chem\FID-4.i\230608.b\017.D

Date : 08-JUN-2023 12:52

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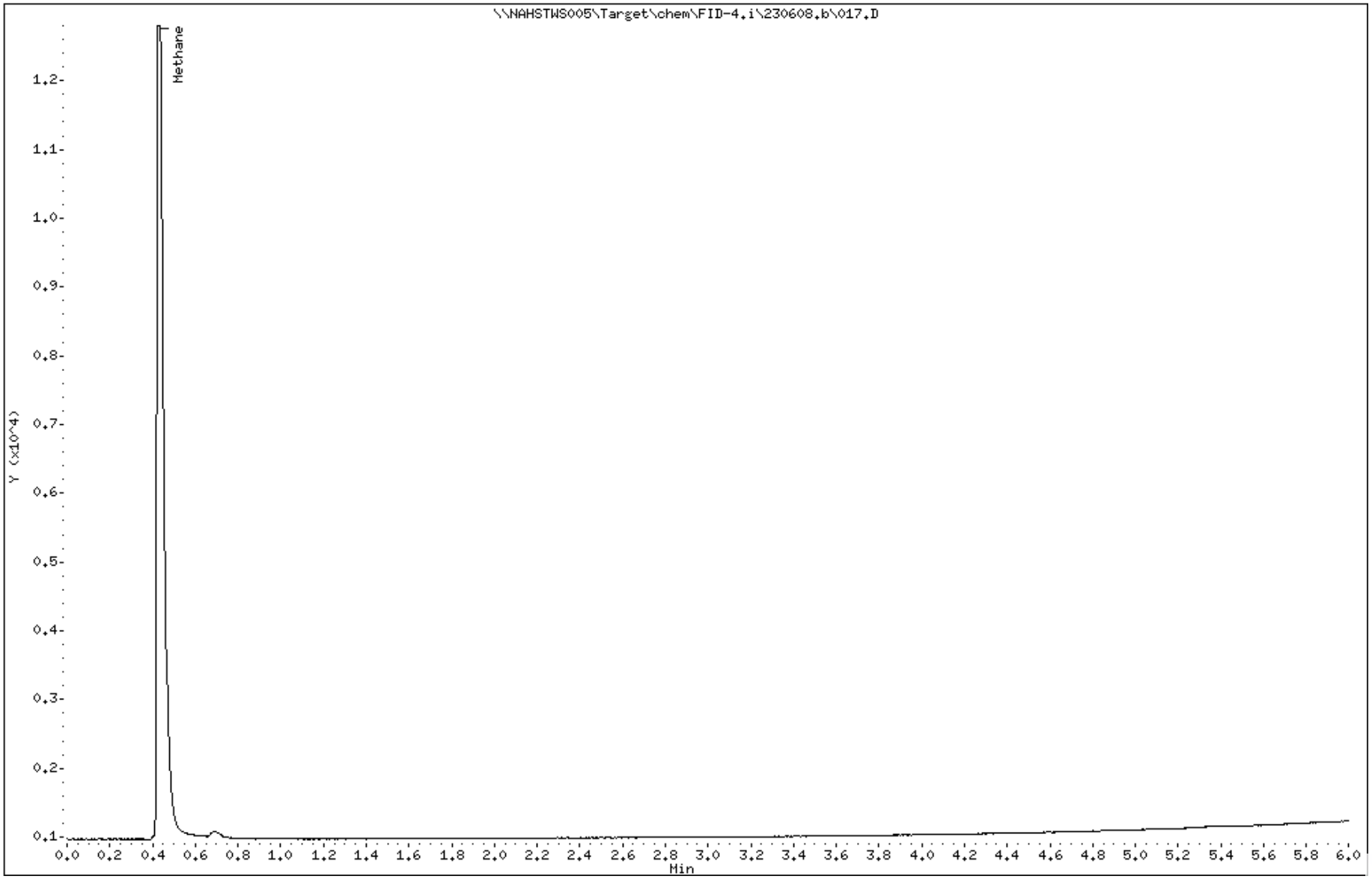
Instrument: FID-4.i

Sample Info: HS23060280-06;HS23060280-06

Operator: JA

Column phase: Rtx-PLOT

Column diameter: 0.53



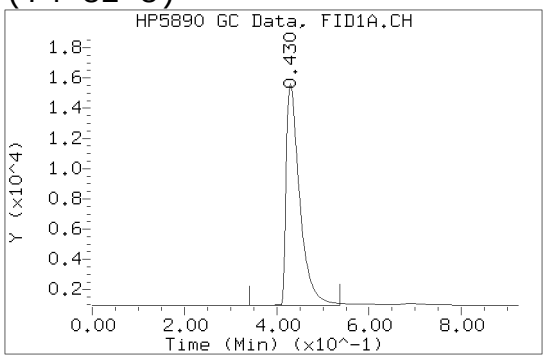
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Inj Date : 08-JUN-2023 12:52
InstruID : FID-4.i
LabSampID : HS23060280-06

Methane (74-82-8)

Reason Code:

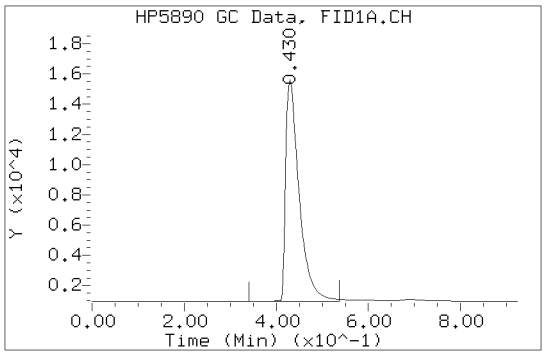
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09-Jun-2023
12:35
linh
pham



AFTER

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AREA
29779
HEIGHT
14652
09-Jun-2023
12:35
linh
pham



Data File: \\nahstws005\Target\chem\FID-4.i\230608.b\022.D Page 1
Report Date: 08-Jun-2023 14:13

ALS Laboratory Group

Dissolved Gases Analysis

Data file : \\nahstws005\Target\chem\FID-4.i\230608.b\022.D
Lab Smp Id: RSK-CCV Client Smp ID: RSK-CCV
Inj Date : 08-JUN-2023 13:58
Operator : PL Inst ID: FID-4.i
Smp Info : RSK-CCV;RSK-CCV;2;4
Misc Info : ;1;0;1
Comment :
Method : \\nahstws005\Target\chem\FID-4.i\230608.b\RSKNI3.m
Meth Date : 08-Jun-2023 14:11 samy.mata Quant Type: ESTD
Cal Date : 24-JAN-2017 10:15 Cal File: 004.D
Als bottle: 22 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: RSK175.sub
Target Version: 4.14
Processing Host: NAHSTW7022

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	0.426	0.426	0.000	7675	9.64700	7.871
2 Ethene	0.640	0.640	0.000	10162	16.8500	17.348
3 Ethane	0.706	0.706	0.000	14944	18.0430	20.770

01224471

Data File: \\nahstws005\Target\chem\FID-4.i\230608.b\022.D

Page 1

Date : 08-JUN-2023 13:58

Client ID: RSK-CCV

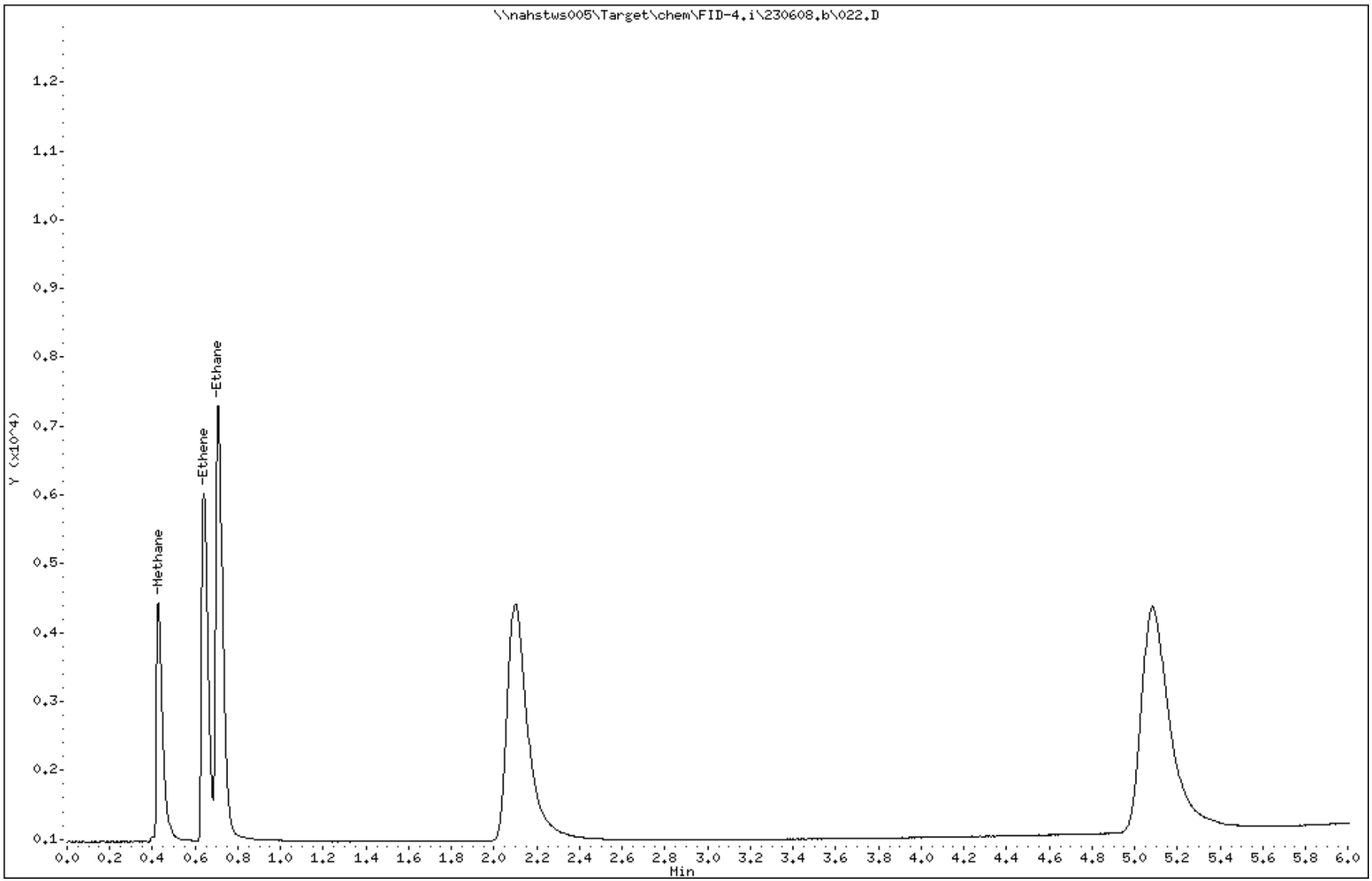
Instrument: FID-4.i

Sample Info: RSK-CCV;RSK-CCV;2;4

Operator: PL

Column phase: Rtx-PLOT

Column diameter: 0.53



Data File : \\nahstws005\Target\chem\FID-4.i\230608.b\022.D
Inj Date : 08-JUN-2023 13:58
InstruID : FID-4.i
LabSampID : RSK-CCV

NO MANUAL INTEGRATIONS

Data File: \\nahstws005\Target\chem\FID-4.i\230608.b\026.D Page 1
Report Date: 08-Jun-2023 16:07

ALS Laboratory Group

Dissolved Gases Analysis

Data file : \\nahstws005\Target\chem\FID-4.i\230608.b\026.D
Lab Smp Id: RSK-CCV Client Smp ID: RSK-CCV
Inj Date : 08-JUN-2023 15:34
Operator : PL Inst ID: FID-4.i
Smp Info : RSK-CCV;RSK-CCV;2;4
Misc Info : ;1;0;1
Comment :
Method : \\nahstws005\Target\chem\FID-4.i\230608.b\RSKNI3.m
Meth Date : 08-Jun-2023 16:07 samy.mata Quant Type: ESTD
Cal Date : 24-JAN-2017 10:15 Cal File: 004.D
Als bottle: 26 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: RSK175.sub
Target Version: 4.14
Processing Host: NAHSTW7022

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
1 Methane	0.423	0.423	0.000	7646	9.64700	7.842
2 Ethene	0.640	0.640	0.000	10217	16.8500	17.442
3 Ethane	0.706	0.706	0.000	15143	18.0430	21.046

01224474

Data File: \\nahstws005\Target\chem\FID-4.i\230608.b\026.D

Page 1

Date : 08-JUN-2023 15:34

Client ID: RSK-CCV

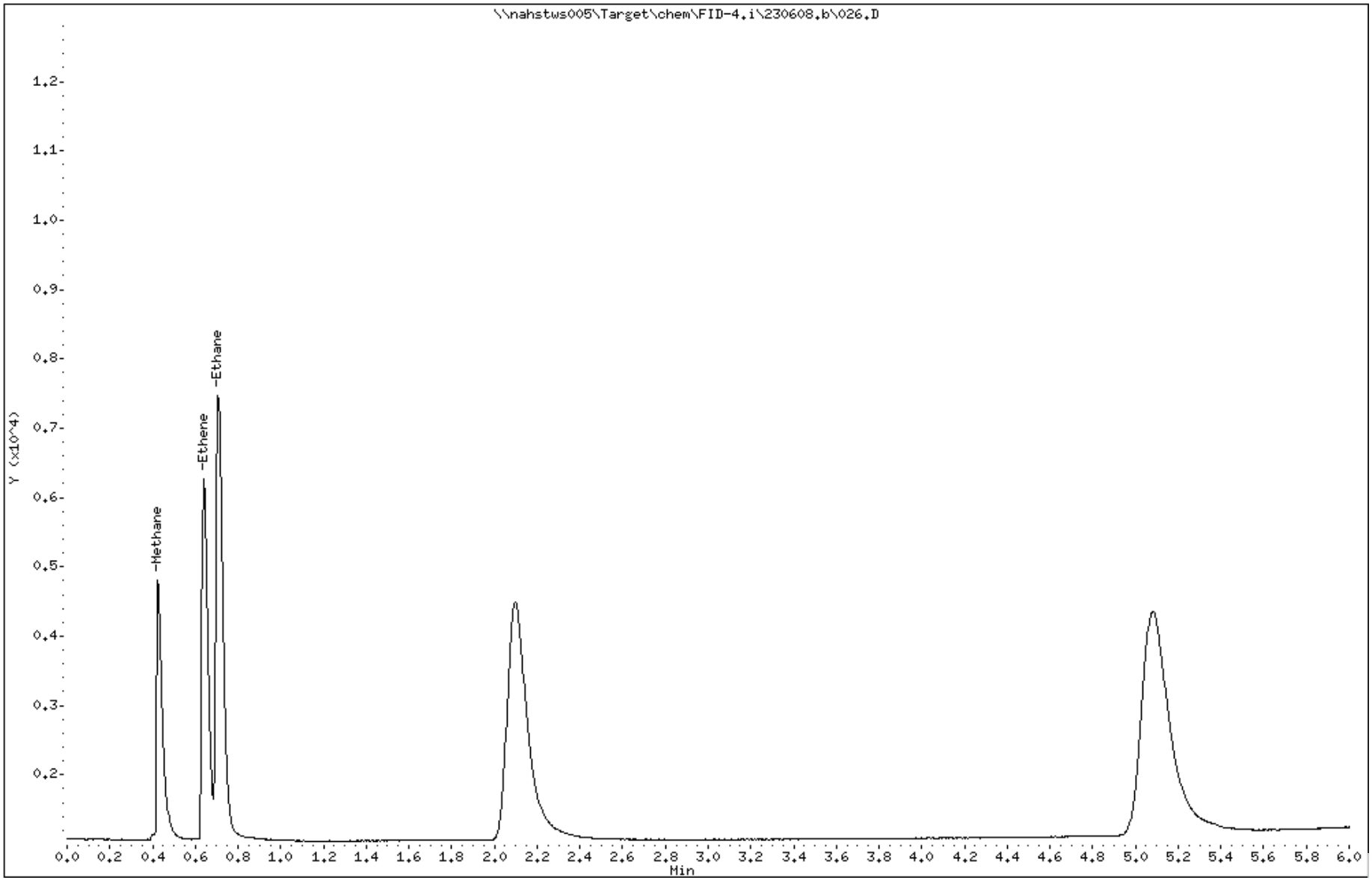
Instrument: FID-4.i

Sample Info: RSK-CCV;RSK-CCV;2;4

Operator: PL

Column phase: Rtx-PLOT

Column diameter: 0.53



Data File : \\nahstws005\Target\chem\FID-4.i\230608.b\026.D
Inj Date : 08-JUN-2023 15:34
InstruID : FID-4.i
LabSampID : RSK-CCV

NO MANUAL INTEGRATIONS

HS23060280 - ME - ICP_W_DOD

ALS WO# HS23060280

ALS Houston, US

Date: 22-Jun-23

Form 11 - INTERNAL STANDARD ASSOCIATION

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060280

Instrument:ICPMS06

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: 22-Jun-23

FORM 13 - ANALYSIS RUN LOG

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060280
Start Date: 20-Jun-2023 End Date: 20-Jun-2023

Run ID:ICPMS06_439315
Instrument:ICPMS06
Method:

Sample No.	D/F	Time	FileID	Analytes
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CAL BLK	1	20-Jun-2023 10:07	019CALB.d_7372048	AS
2/10/200	1	20-Jun-2023 10:09	020CALS.d_7372049	AS
5/25/500	1	20-Jun-2023 10:11	021CALS.d_7372050	AS
10/50/100	1	20-Jun-2023 10:13	022CALS.d_7372051	AS
100/500/10K	1	20-Jun-2023 10:15	023CALS.d_7372052	AS
200/1000/20K	1	20-Jun-2023 10:17	024CALS.d_7372053	AS
ICV	1	20-Jun-2023 10:23	026_ICV.d_7372055	AS
LLICV5	1	20-Jun-2023 10:27	028LCV5.d_7372057	AS
ICB	1	20-Jun-2023 10:29	029_ICB.d_7372058	AS
LLICV2	1	20-Jun-2023 10:51	031LCV2.d_7372099	AS
ICSA	1	20-Jun-2023 10:53	032ICSA.d_7372100	AS
ICSAB	1	20-Jun-2023 10:55	033ICSB.d_7372101	AS
CCV 1	1	20-Jun-2023 12:14	067_CCV.d_7372558	AS
CCB 1	1	20-Jun-2023 12:15	068_CCB.d_7372559	AS
CCV 2	1	20-Jun-2023 12:38	079_CCV.d_7372687	AS
CCB 2	1	20-Jun-2023 12:39	080_CCB.d_7372688	AS
CCV 3	1	20-Jun-2023 13:02	091_CCV.d_7372681	AS
CCB 3	1	20-Jun-2023 13:04	092_CCB.d_7372682	AS
CCV 4	1	20-Jun-2023 13:31	099_CCV.d_7372778	AS
CCB 4	1	20-Jun-2023 13:33	100_CCB.d_7372779	AS
MBLK-195358	1	20-Jun-2023 13:53	110SMPL.d_7372996	AS
LCS-195358	1	20-Jun-2023 13:55	111SMPL.d_7372997	AS
ZZZZZZSD	25	20-Jun-2023 14:12	115SMPL.d_7373001	AS
ZZZZZZMS	5	20-Jun-2023 14:14	116SMPL.d_7373002	AS
ZZZZZZMSD	5	20-Jun-2023 14:16	117SMPL.d_7373003	AS
ZZZZZZPDS	5	20-Jun-2023 14:18	118SMPL.d_7373004	AS
CCV 5	1	20-Jun-2023 14:23	120_CCV.d_7373006	AS
CCB 5	1	20-Jun-2023 14:25	121_CCB.d_7373007	AS
ZZZZZZMSD	5	20-Jun-2023 14:42	129SMPL.d_7373028	
CCV 6	1	20-Jun-2023 14:56	131_CCV.d_7373112	AS
CCB 6	1	20-Jun-2023 14:58	132_CCB.d_7373113	AS
ZZZZZZSD	250	20-Jun-2023 15:20	135SMPL.d_7373116	
ZZZZZZPDS	50	20-Jun-2023 15:22	136SMPL.d_7373117	
CCV 7	1	20-Jun-2023 15:31	141_CCV.d_7373122	AS
CCB 7	1	20-Jun-2023 15:33	142_CCB.d_7373123	AS
CAL BLK	1	20-Jun-2023 21:59	322CALB.d_7374336	AS
2/10/200	1	20-Jun-2023 22:01	323CALS.d_7374323	AS
5/25/500	1	20-Jun-2023 22:03	324CALS.d_7374324	AS
10/50/100	1	20-Jun-2023 22:05	325CALS.d_7374325	AS
100/500/10K	1	20-Jun-2023 22:07	326CALS.d_7374326	AS
200/1000/20K	1	20-Jun-2023 22:08	327CALS.d_7374327	AS
ICV	1	20-Jun-2023 22:12	329_ICV.d_7374329	AS
LLCCV5	1	20-Jun-2023 22:16	331LCV5.d_7374331	AS
LLCCV2	1	20-Jun-2023 22:18	332LCV2.d_7374332	AS
ICCB 8	1	20-Jun-2023 22:20	333_ICB.d_7374333	AS
ICSA	1	20-Jun-2023 22:22	334ICSA.d_7374334	AS
ICSAB	1	20-Jun-2023 22:24	335ICSB.d_7374335	AS
CCV 8	1	20-Jun-2023 23:28	368_CCV.d_7374294	AS
CCB 9	1	20-Jun-2023 23:30	369_CCB.d_7374295	AS

ALS Houston, US

Date: 22-Jun-23

FORM 13 - ANALYSIS RUN LOG

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060280
Start Date: 20-Jun-2023 End Date: 20-Jun-2023

Run ID:ICPMS06_439315
Instrument:ICPMS06
Method:

Sample No.	D/F	Time	FileID	Analytes
35AWW20_060523	1	20-Jun-2023 23:31	370SMPL.d_7374296	AS
CCV 9	1	20-Jun-2023 23:51	380_CCV.d_7374306	AS
CCB 10	1	20-Jun-2023 23:53	381_CCB.d_7374307	AS

ALS Houston, US Date: 22-Jun-23

Form 2 - Initial and Continuing Calibration Verification

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060280

Run ID: ICPMS06_439315
Instrument: ICPMS06
Method: SW6020A

ICV	Date: 20-Jun-2023 10:23		Seq: 7372055	ICV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Arsenic	100	101.375	101	90-110	

CCV1	Date: 20-Jun-2023 12:14		Seq: 7372558	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Arsenic	100	95.187	95	90-110	

CCV2	Date: 20-Jun-2023 12:38		Seq: 7372687	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Arsenic	100	94.921	95	90-110	

CCV3	Date: 20-Jun-2023 13:02		Seq: 7372681	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Arsenic	100	94.627	95	90-110	

CCV4	Date: 20-Jun-2023 13:31		Seq: 7372778	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Arsenic	100	98.661	99	90-110	

CCV5	Date: 20-Jun-2023 14:23		Seq: 7373006	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Arsenic	100	98.312	98	90-110	

CCV6	Date: 20-Jun-2023 14:56		Seq: 7373112	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Arsenic	100	98.157	98	90-110	

CCV7	Date: 20-Jun-2023 15:31		Seq: 7373122	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Arsenic	100	97.704	98	90-110	

ICV	Date: 20-Jun-2023 22:12		Seq: 7374329	ICV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Arsenic	100	101.073	101	90-110	

CCV8	Date: 20-Jun-2023 23:28		Seq: 7374294	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Arsenic	100	98.893	99	90-110	

CCV9	Date: 20-Jun-2023 23:51		Seq: 7374306	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Arsenic	100	98.554	99	90-110	

ALS Houston, US Date: 22-Jun-23

Form 3 - BLANKS

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060280

Run ID: ICPMS06_439315
Instrument: ICPMS06
Method: SW6020A

ICB	Date: 20-Jun-2023 10:29	Seq: 7372058	ICB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**
Arsenic	5	0.4	5	U

CCB1	Date: 20-Jun-2023 12:15	Seq: 7372559	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**
Arsenic	2	0.4	2	U

CCB2	Date: 20-Jun-2023 12:39	Seq: 7372688	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**
Arsenic	2	0.4	2	U

CCB3	Date: 20-Jun-2023 13:04	Seq: 7372682	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**
Arsenic	2	0.4	2	U

CCB4	Date: 20-Jun-2023 13:33	Seq: 7372779	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**
Arsenic	2	0.4	2	U

MBLK-195358	Date: 20-Jun-2023 13:53	Seq: 7372996	MBLK	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**
Arsenic	5	0.4	5	U

CCB5	Date: 20-Jun-2023 14:25	Seq: 7373007	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**
Arsenic	2	0.4	2	U

CCB6	Date: 20-Jun-2023 14:58	Seq: 7373113	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**
Arsenic	2	0.4	2	U

CCB7	Date: 20-Jun-2023 15:33	Seq: 7373123	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**
Arsenic	2	0.4	2	U

ICCB8	Date: 20-Jun-2023 22:20	Seq: 7374333	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**
Arsenic	5	0.4	5	U

CCB9	Date: 20-Jun-2023 23:30	Seq: 7374295	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**
Arsenic	2	0.4	2	U

CCB10	Date: 20-Jun-2023 23:53	Seq: 7374307	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**
Arsenic	2	0.4	2	U

ALS Houston, US Date: 22-Jun-23

Form 4 - ICP Interference Check Sample

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060280

Run ID: ICPMS06_439315
Instrument: ICPMS06
Method: SW6020A

ICSA	Date: 20-Jun-2023 10:53	Seq: 7372100	ICSA	Units: ug/L
Analyte	**True**	**Found**	**%R**	
Arsenic		0.287	0	

ICSAB	Date: 20-Jun-2023 10:55	Seq: 7372101	ICSAB	Units: ug/L
Analyte	**True**	**Found**	**%R**	
Arsenic	100	93.24	93.2	

ICSA	Date: 20-Jun-2023 22:22	Seq: 7374334	ICSA	Units: ug/L
Analyte	**True**	**Found**	**%R**	
Arsenic		0.362	0	

ICSAB	Date: 20-Jun-2023 22:24	Seq: 7374335	ICSAB	Units: ug/L
Analyte	**True**	**Found**	**%R**	
Arsenic	100	97.32	97.3	

ALS Houston, US Date: 22-Jun-23

Form 5A - Matrix Spike/Matrix Spike Duplicate Recovery

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060280

Date Analyzed: 20-Jun-2023 14:16
Date Extracted: 17-Jun-2023 11:00
Units: ug/L

Matrix Spike: HS23060391-02MS
Client Sample ID:

Analysis Method: SW6020A

Analyte	Sample Result	MS Result	Spike Amount	% Rec	MSD Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Arsenic	25.00	48.17	50.00	95.0	48.70	50.00	96.0	84-116	1.09	20

ALS Houston, US Date: 22-Jun-23

Form 5B - Post Digest Sample Recovery

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060280

Date Analyzed: 20-Jun-2023 14:18
Date Extracted: 17-Jun-2023 11:00
Units: ug/L

Lab Sample ID: HS23060391-02PDS
Client Sample ID:

Analysis Method: SW6020A

Analyte	Sample Result	PDS Result	Spike Amount	% Rec	% Rec Limits
Arsenic	0	516.1	500	103	80-120

ALS Houston, US

Date: 22-Jun-23

Form 7 - Laboratory Control Sample

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060280

Date Analyzed: 20-Jun-2023 13:55
Date Extracted: 17-Jun-2023 11:00
Units: ug/L

Lab Sample ID: LCS-195358
Analysis Method: SW6020A

Analyte	Spike Amount	LCS Result	% Rec	% Rec Limits
Arsenic	50	46.39	93	84-116

ALS Houston, US

Date: 22-Jun-23

Form 8 - ICP Serial Dilutions

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060280

Date Analyzed: 20-Jun-2023 14:12
Date Extracted: 17-Jun-2023 11:00
Units: ug/L

Lab Sample ID: HS23060391-02SD
Client Sample ID:

Analysis Method: SW6020A

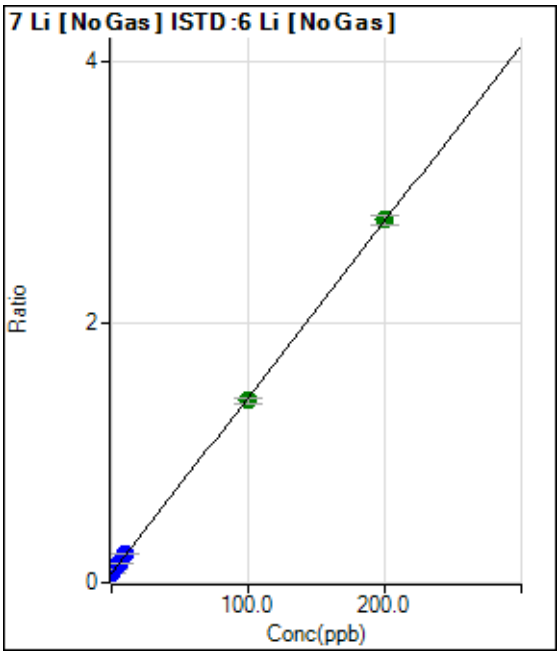
Analyte	Sample Result	C	SD Result	C	RPD	Q
Arsenic	0	U	0	U	0	

Calibration for 392_ICV.d

Batch Folder: C:\Agilent\ICPMH\1\DATA\062023A.b\
Analysis File: 062023A.batch.bin
DA Date-Time: 6/21/2023 12:15:42 AM
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	385CALB.d	CAL BLK	6/21/2023 12:01:46 AM
2	386CALS.d	2/10/200	6/21/2023 12:03:41 AM
3	387CALS.d	5/25/500	6/21/2023 12:05:37 AM
4	388CALS.d	10/50/100	6/21/2023 12:07:32 AM
5	389CALS.d	100/500/10K	6/21/2023 12:09:27 AM
6	390CALS.d	200/1000/20K	6/21/2023 12:11:16 AM

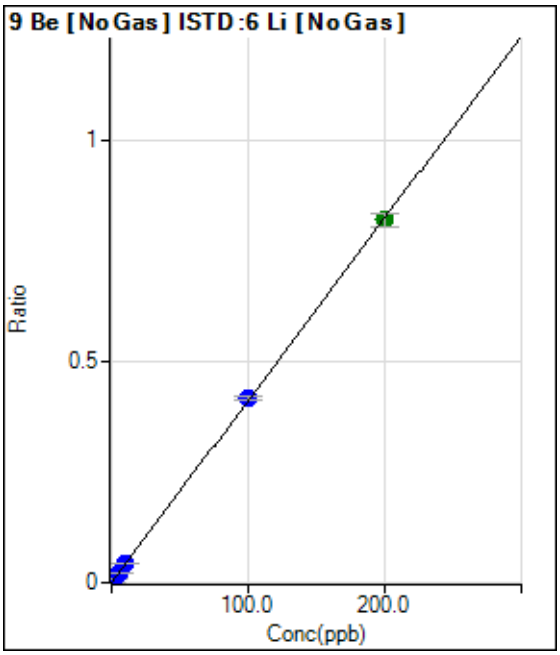
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	74996.67	0.0714	P	1.8
2	☐	2.000	2.208	105862.50	0.1013	P	1.1
3	☐	5.000	5.228	150044.82	0.1422	P	2.0
4	☐	10.000	11.013	226149.19	0.2204	P	2.6
5	☐	100.000	98.152	1436827.85	1.3992	A	3.5
6	☐	200.000	200.866	2715539.75	2.7886	A	2.6

y = 0.0135 * x + 0.0714
R = 0.9999
DL = 0.2893
BEC = 5.28

Weight: <None>
Min Conc: <None>

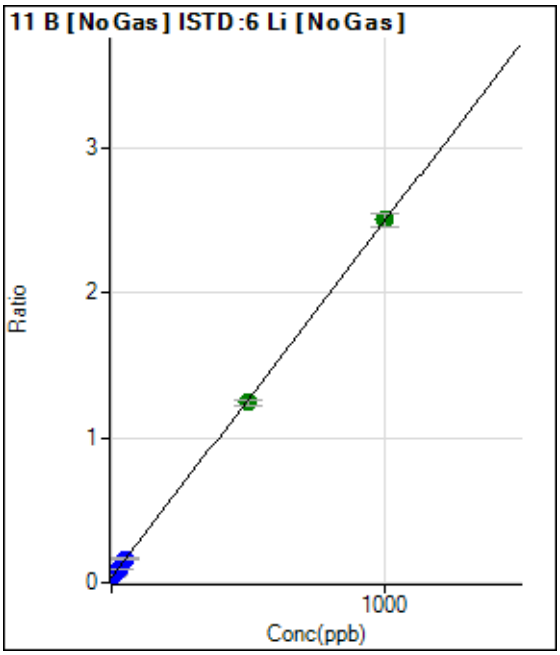


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	13.33	0.0000	P	23.6
2	☐	2.000	1.993	8581.03	0.0082	P	3.9
3	☐	5.000	5.062	22005.56	0.0208	P	2.2
4	☐	10.000	10.481	44271.20	0.0432	P	3.2
5	☐	100.000	101.603	429507.97	0.4182	P	2.5
6	☐	200.000	199.173	797995.38	0.8198	A	3.8

y = 0.0041 * x + 1.2743E-005
R = 1.0000
DL = 0.002193
BEC = 0.003096

Weight: <None>
Min Conc: <None>

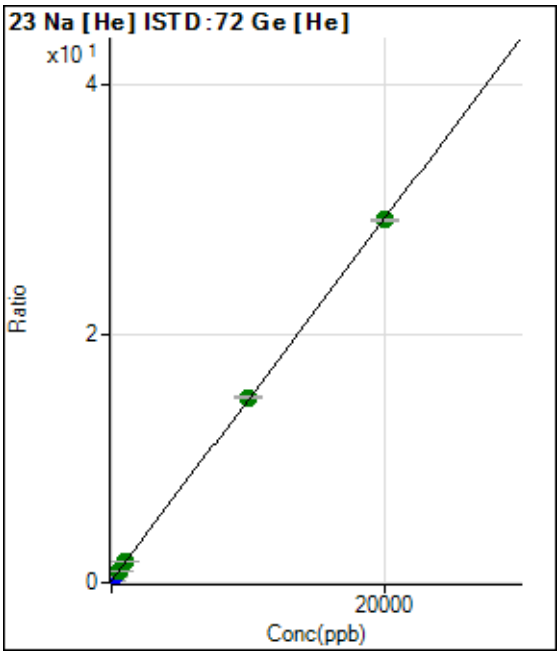
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	38024.65	0.0362	P	2.8
2	☐	10.000	9.428	62026.05	0.0594	P	3.2
3	☐	25.000	24.551	101873.14	0.0965	P	2.7
4	☐	50.000	51.487	166848.90	0.1627	P	4.3
5	☐	500.000	491.664	1277274.90	1.2438	A	3.6
6	☐	1000.000	1004.110	2435977.04	2.5025	A	3.8

y = 0.0025 * x + 0.0362
R = 0.9999
DL = 1.247
BEC = 14.75

Weight: <None>
Min Conc: <None>

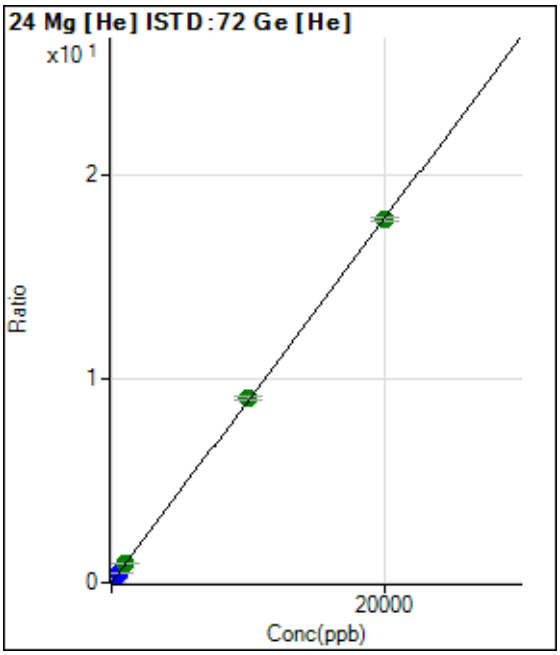


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	155070.74	0.1687	P	1.7
2	☐	200.000	215.358	451636.66	0.4822	P	1.7
3	☐	500.000	517.760	862234.78	0.9223	A	3.3
4	☐	1000.000	1039.167	1571075.39	1.6812	A	1.1
5	☐	10000.00	10121.49	13642116.05	14.9002	A	1.3
6	☐	20000.00	19936.69	26114393.78	29.1858	A	0.8

y = 0.0015 * x + 0.1687
R = 1.0000
DL = 5.879
BEC = 115.9

Weight: <None>
Min Conc: <None>

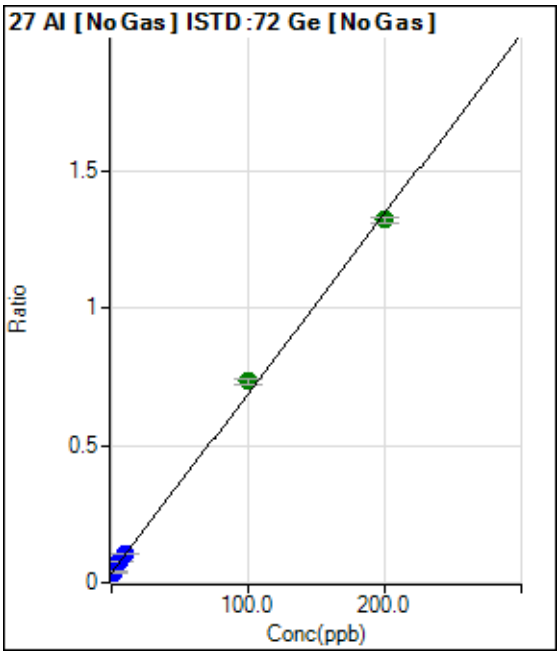
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3537.19	0.0038	P	1.9
2	☐	200.000	219.172	187268.04	0.1999	P	2.9
3	☐	500.000	554.556	467413.39	0.5000	P	2.0
4	☐	1000.000	1060.938	890589.44	0.9530	A	0.9
5	☐	10000.00	10131.18	8302079.25	9.0677	A	2.0
6	☐	20000.00	19929.80	15956975.59	17.8340	A	1.1

y = 8.9465E-004 * x + 0.0038
R = 1.0000
DL = 0.245
BEC = 4.302

Weight: <None>
Min Conc: <None>

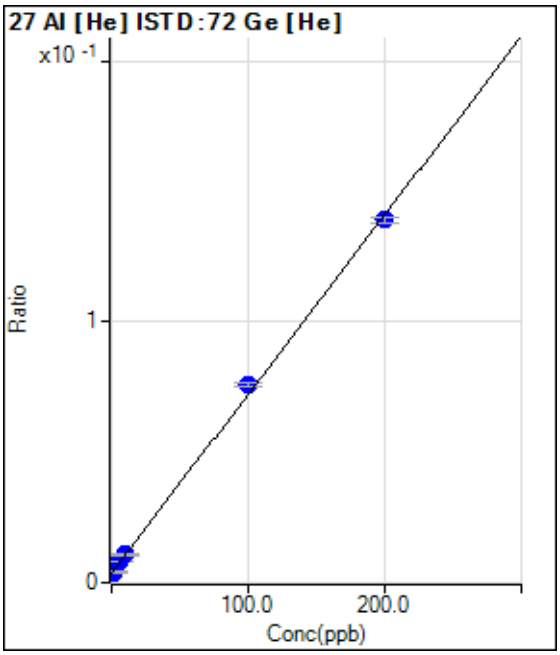


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	103831.78	0.0351	P	1.2
2	☐	2.000	0.472	114075.64	0.0381	P	3.0
3	☐	5.000	6.746	237747.07	0.0792	P	3.2
4	☐	10.000	10.879	317368.54	0.1063	P	2.1
5	☐	100.000	106.604	2155998.93	0.7328	A	2.5
6	☐	200.000	196.626	3816203.69	1.3220	A	1.7

y = 0.0065 * x + 0.0351
R = 0.9991
DL = 0.1899
BEC = 5.356

Weight: <None>
Min Conc: <None>

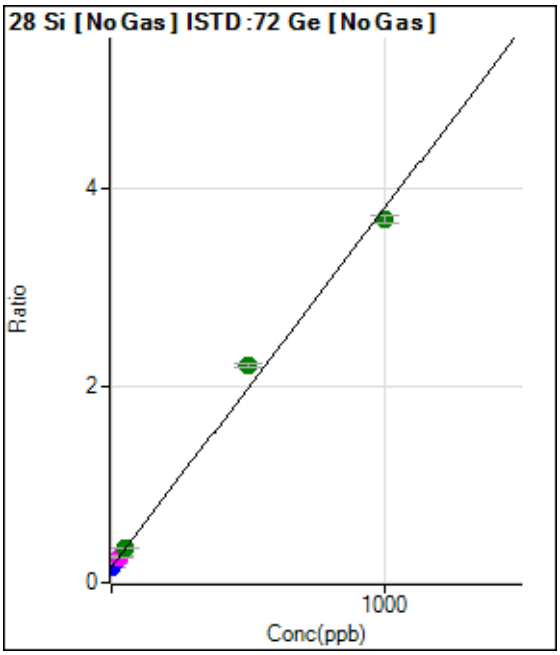
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3337.12	0.0036	P	5.6
2	☐	2.000	0.349	3623.99	0.0039	P	11.7
3	☐	5.000	6.335	7462.16	0.0080	P	3.2
4	☐	10.000	10.355	10037.09	0.0107	P	4.5
5	☐	100.000	105.124	69426.21	0.0758	P	2.3
6	☐	200.000	197.404	124556.83	0.1392	P	1.3

y = 6.8682E-004 * x + 0.0036
R = 0.9995
DL = 0.8879
BEC = 5.285

Weight: <None>
Min Conc: <None>

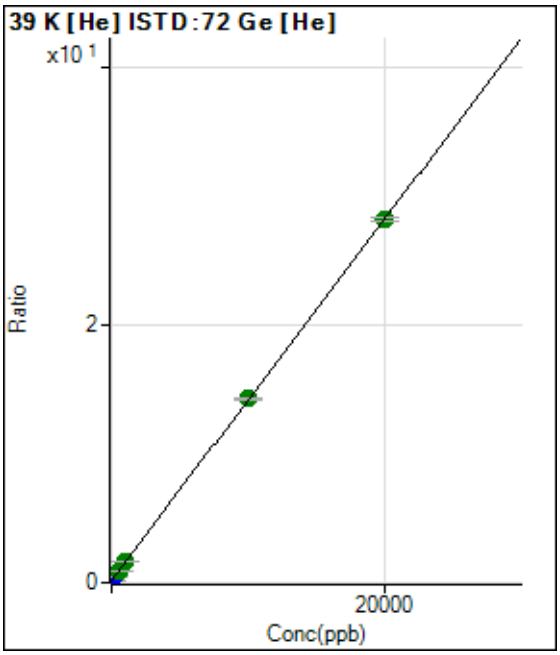


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	472104.97	0.1594	P	0.2
2	☐	10.000	10.875	595162.27	0.1990	P	1.6
3	☐	25.000	28.044	785369.15	0.2616	M	1.9
4	☐	50.000	52.086	1043123.37	0.3493	A	1.7
5	☐	500.000	563.910	6517970.32	2.2150	A	1.7
6	☐	1000.000	967.856	10644017.76	3.6874	A	2.0

y = 0.0036 * x + 0.1594
R = 0.9971
DL = 0.2523
BEC = 43.73

Weight: <None>
Min Conc: <None>

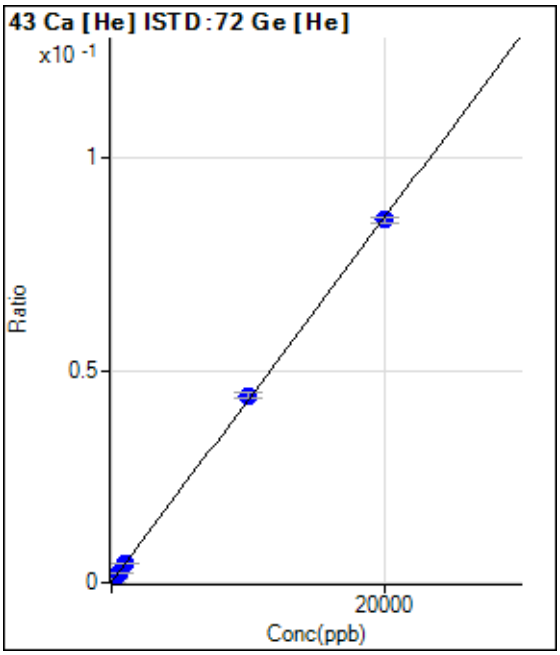
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	149705.67	0.1629	P	0.4
2	☐	200.000	211.948	431018.94	0.4602	P	1.0
3	☐	500.000	503.028	811892.44	0.8685	A	1.6
4	☐	1000.000	1040.782	1516367.84	1.6227	A	2.2
5	☐	10000.00	10065.78	13075723.97	14.2815	A	1.3
6	☐	20000.00	19964.87	25201805.46	28.1662	A	1.2

y = 0.0014 * x + 0.1629
R = 1.0000
DL = 1.441
BEC = 116.1

Weight: <None>
Min Conc: <None>

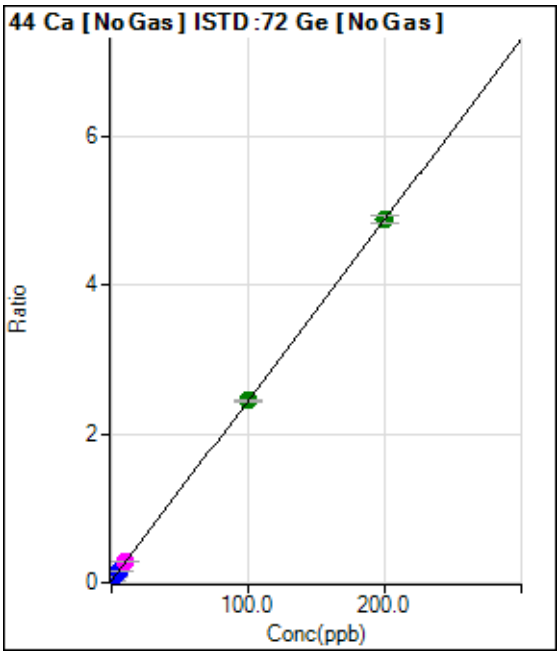


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	130.00	0.0001	P	52.5
2	☐	200.000	196.613	923.38	0.0010	P	10.4
3	☐	500.000	492.491	2110.22	0.0023	P	8.1
4	☐	1000.000	992.947	4117.36	0.0044	P	3.2
5	☐	10000.00	10253.56	40459.72	0.0442	P	3.2
6	☐	20000.00	19873.79	76511.55	0.0855	P	1.7

y = 4.2958E-006 * x + 1.4088E-004
R = 0.9999
DL = 51.66
BEC = 32.79

Weight: <None>
Min Conc: <None>

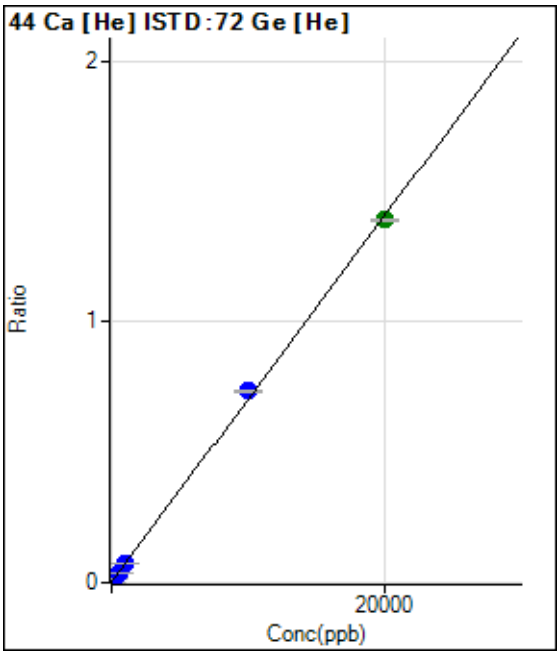
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	63741.43	0.0215	P	2.2
2	☐	2.000	2.058	213943.70	0.0716	P	2.7
3	☐	5.000	5.469	463757.99	0.1545	P	2.7
4	☐	10.000	10.801	848267.46	0.2841	M	4.7
5	☐	100.000	99.929	7212158.43	2.4510	A	1.6
6	☐	200.000	199.983	14096388.54	4.8836	A	2.1

y = 0.0243 * x + 0.0215
R = 1.0000
DL = 0.05784
BEC = 0.8853

Weight: <None>
Min Conc: <None>

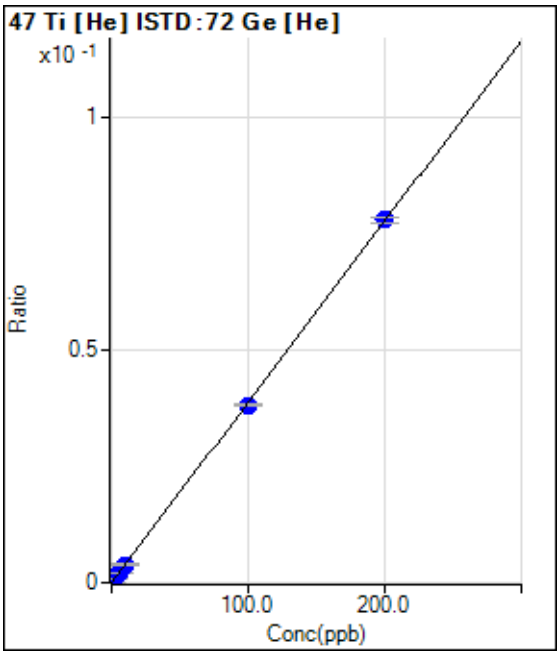


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2510.88	0.0027	P	17.5
2	☐	200.000	193.820	15305.45	0.0163	P	3.5
3	☐	500.000	510.584	36070.91	0.0386	P	1.8
4	☐	1000.000	1039.568	70765.23	0.0757	P	1.3
5	☐	10000.00	10423.19	672567.67	0.7346	P	1.8
6	☐	20000.00	19786.22	1245594.23	1.3920	A	0.5

y = 7.0215E-005 * x + 0.0027
R = 0.9997
DL = 20.47
BEC = 38.93

Weight: <None>
Min Conc: <None>

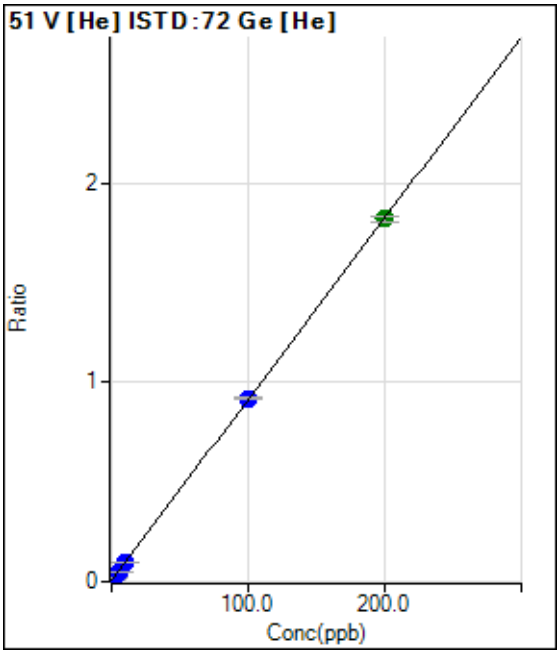
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	16.67	0.0000	P	69.6
2	☐	2.000	1.853	690.03	0.0007	P	12.9
3	☐	5.000	4.861	1780.14	0.0019	P	3.7
4	☐	10.000	10.001	3643.89	0.0039	P	11.2
5	☐	100.000	98.280	34921.28	0.0381	P	0.4
6	☐	200.000	200.865	69733.07	0.0779	P	1.4

y = 3.8790E-004 * x + 1.8157E-005
R = 0.9999
DL = 0.09769
BEC = 0.04681

Weight: <None>
Min Conc: <None>

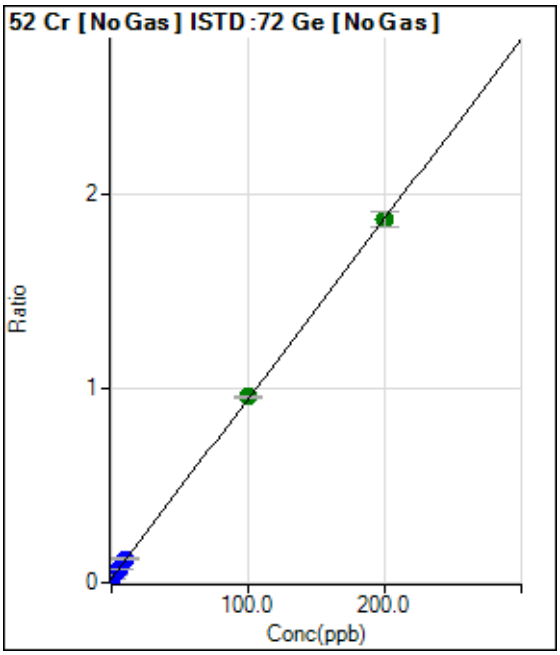


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4875.34	0.0053	P	3.1
2	☐	2.000	2.013	22113.42	0.0236	P	1.9
3	☐	5.000	5.037	47767.23	0.0511	P	1.6
4	☐	10.000	10.181	91445.95	0.0979	P	1.5
5	☐	100.000	100.613	842310.80	0.9200	P	1.0
6	☐	200.000	199.683	1628975.11	1.8206	A	1.5

y = 0.0091 * x + 0.0053
R = 1.0000
DL = 0.05485
BEC = 0.5836

Weight: <None>
Min Conc: <None>

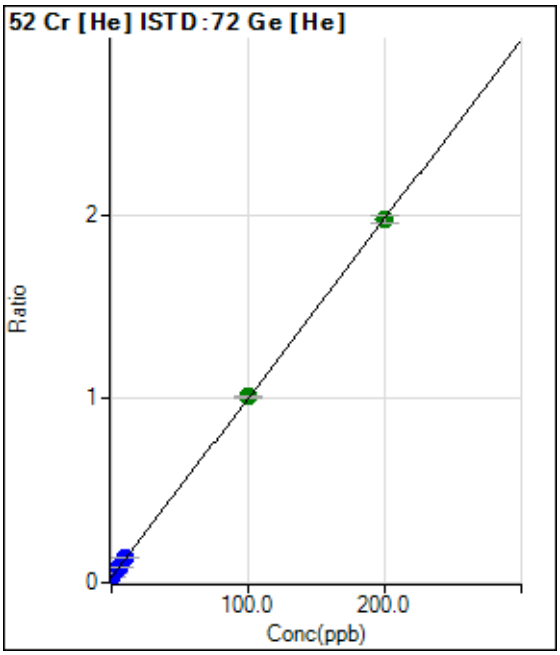
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	61498.10	0.0208	P	1.3
2	☐	2.000	2.236	123879.49	0.0414	P	3.2
3	☐	5.000	5.511	215254.91	0.0717	P	3.4
4	☐	10.000	11.112	368902.31	0.1235	P	1.6
5	☐	100.000	100.933	2807227.35	0.9540	A	1.8
6	☐	200.000	199.463	5382143.88	1.8651	A	4.4

y = 0.0092 * x + 0.0208
R = 1.0000
DL = 0.08703
BEC = 2.245

Weight: <None>
Min Conc: <None>

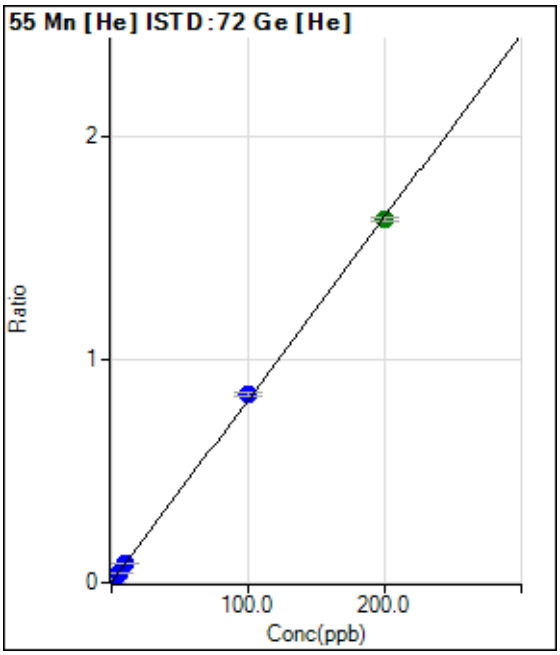


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	26652.86	0.0290	P	1.5
2	☐	2.000	2.259	47803.65	0.0510	P	0.8
3	☐	5.000	5.303	75470.64	0.0807	P	1.3
4	☐	10.000	10.610	123815.47	0.1325	P	0.5
5	☐	100.000	100.952	928140.61	1.0137	A	1.2
6	☐	200.000	199.483	1766880.91	1.9748	A	2.3

y = 0.0098 * x + 0.0290
R = 1.0000
DL = 0.1352
BEC = 2.973

Weight: <None>
Min Conc: <None>

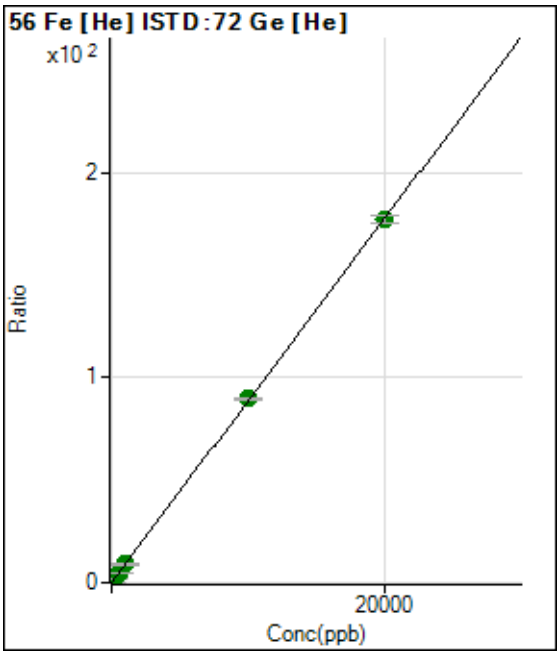
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1010.06	0.0011	P	11.7
2	☐	2.000	1.996	16310.06	0.0174	P	0.9
3	☐	5.000	5.288	41436.47	0.0443	P	1.5
4	☐	10.000	10.358	80144.33	0.0858	P	2.6
5	☐	100.000	102.961	771596.08	0.8427	P	1.6
6	☐	200.000	198.494	1452759.61	1.6237	A	1.2

y = 0.0082 * x + 0.0011
R = 0.9998
DL = 0.04716
BEC = 0.1343

Weight: <None>
Min Conc: <None>

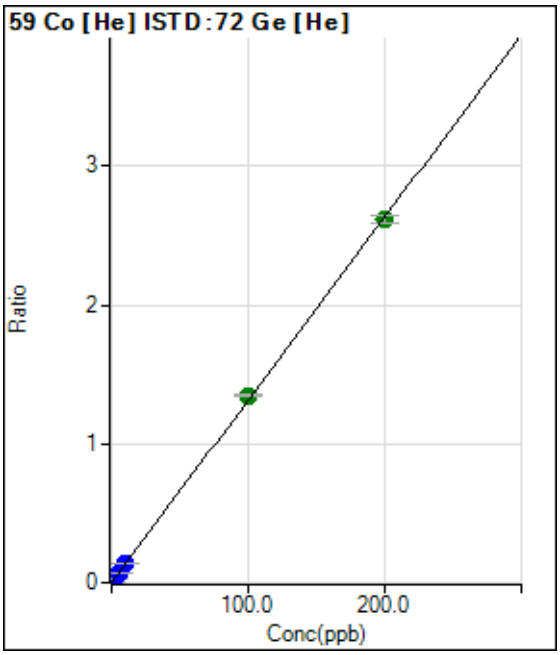


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	35463.05	0.0386	P	3.0
2	☐	200.000	210.575	1784303.57	1.9052	A	2.9
3	☐	500.000	509.323	4257078.79	4.5534	A	0.4
4	☐	1000.000	1009.133	8394762.79	8.9838	A	2.6
5	☐	10000.00	10120.90	82176282.11	89.7533	A	1.2
6	☐	20000.00	19938.75	158165974.3	176.781	A	2.1

y = 0.0089 * x + 0.0386
R = 1.0000
DL = 0.3864
BEC = 4.352

Weight: <None>
Min Conc: <None>

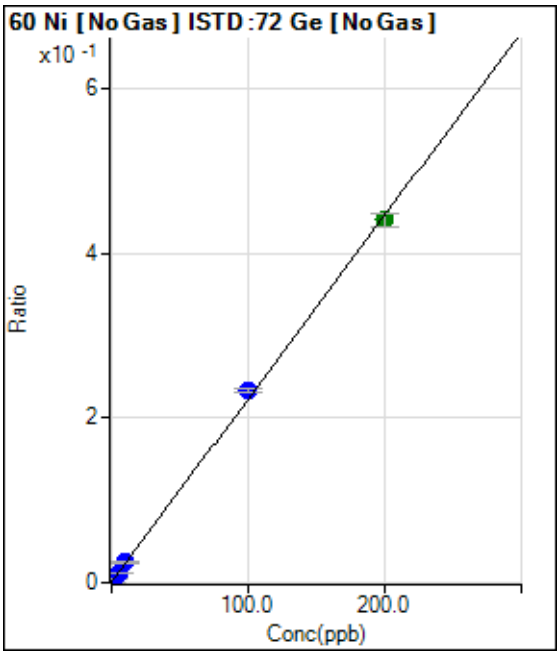
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	146.67	0.0002	P	27.5
2	☐	2.000	2.068	25614.39	0.0273	P	0.3
3	☐	5.000	5.267	64901.17	0.0694	P	0.9
4	☐	10.000	10.703	131657.56	0.1409	P	0.9
5	☐	100.000	102.546	1234647.27	1.3485	A	1.7
6	☐	200.000	198.684	2337494.24	2.6126	A	2.1

y = 0.0131 * x + 1.5953E-004
R = 0.9999
DL = 0.01002
BEC = 0.01213

Weight: <None>
Min Conc: <None>

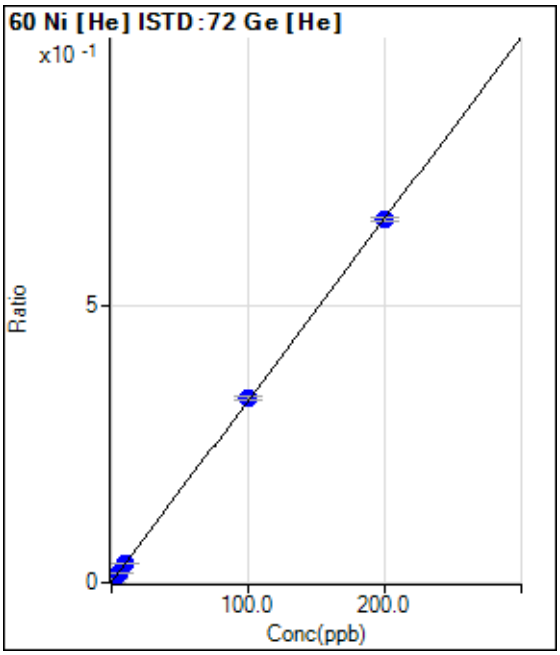


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1750.14	0.0006	P	4.2
2	☐	2.000	2.100	15759.34	0.0053	P	2.8
3	☐	5.000	5.402	37906.20	0.0126	P	2.0
4	☐	10.000	10.759	73370.85	0.0246	P	1.5
5	☐	100.000	104.560	687267.28	0.2336	P	2.3
6	☐	200.000	197.671	1272836.96	0.4411	A	3.7

y = 0.0022 * x + 5.9106E-004
R = 0.9996
DL = 0.0333
BEC = 0.2653

Weight: <None>
Min Conc: <None>

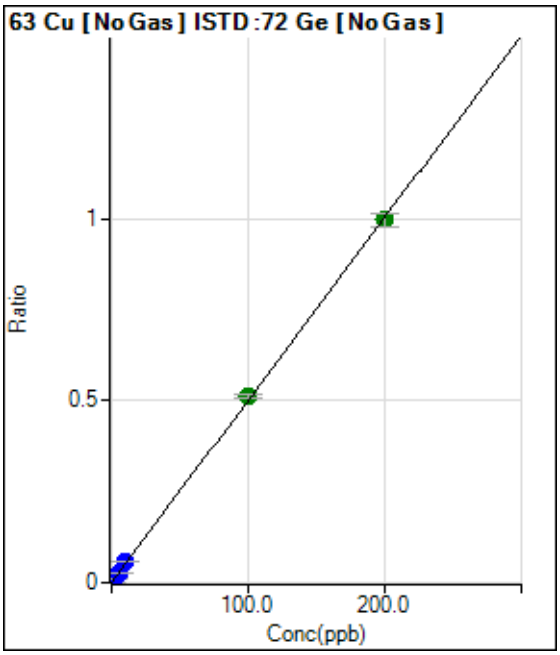
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	683.36	0.0007	P	16.4
2	☐	2.000	2.041	6975.25	0.0074	P	3.7
3	☐	5.000	5.180	16600.40	0.0178	P	0.9
4	☐	10.000	10.426	32686.22	0.0350	P	4.1
5	☐	100.000	101.092	304626.74	0.3327	P	1.7
6	☐	200.000	199.428	586628.23	0.6556	P	1.2

y = 0.0033 * x + 7.4381E-004
R = 1.0000
DL = 0.1112
BEC = 0.2265

Weight: <None>
Min Conc: <None>

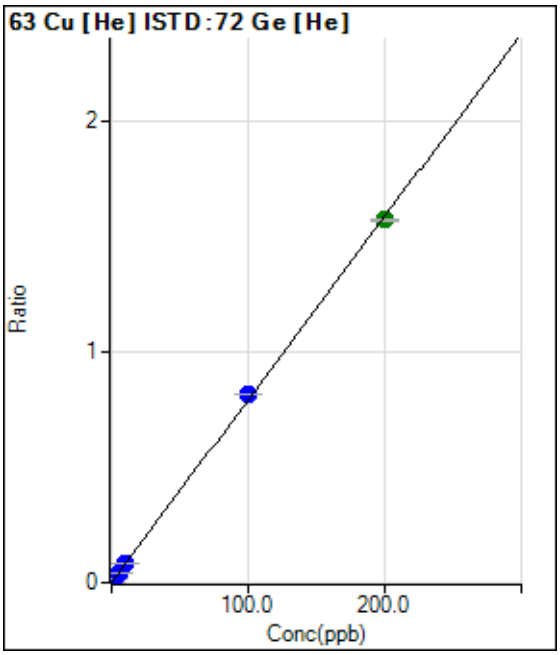


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1483.44	0.0005	P	5.1
2	☐	2.000	2.252	35252.73	0.0118	P	4.9
3	☐	5.000	5.528	84719.33	0.0282	P	3.0
4	☐	10.000	11.123	168084.80	0.0563	P	2.0
5	☐	100.000	102.065	1507627.43	0.5123	A	1.5
6	☐	200.000	198.896	2880398.81	0.9979	A	3.5

y = 0.0050 * x + 5.0073E-004
R = 0.9999
DL = 0.01521
BEC = 0.09985

Weight: <None>
Min Conc: <None>

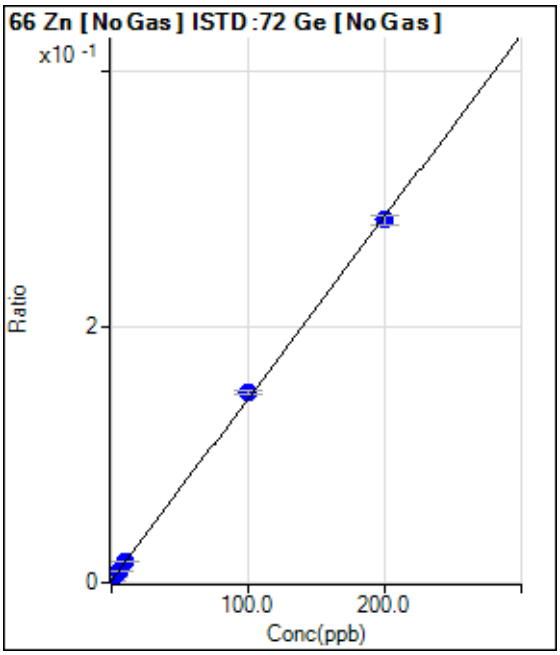
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	540.02	0.0006	P	16.9
2	☐	2.000	2.108	16166.48	0.0173	P	2.0
3	☐	5.000	5.358	40179.56	0.0430	P	0.3
4	☐	10.000	10.554	78569.47	0.0841	P	1.5
5	☐	100.000	103.266	748496.40	0.8175	P	0.3
6	☐	200.000	198.329	1404345.81	1.5695	A	0.7

y = 0.0079 * x + 5.8709E-004
R = 0.9998
DL = 0.03757
BEC = 0.07421

Weight: <None>
Min Conc: <None>

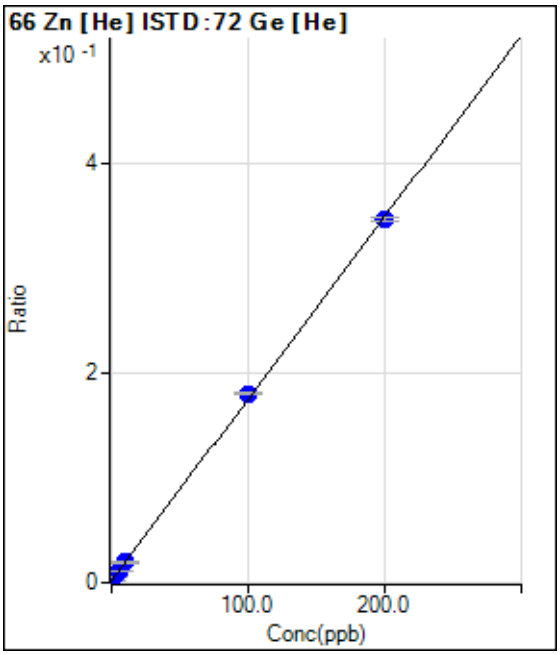


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4950.98	0.0017	P	6.3
2	☐	2.000	2.141	14090.84	0.0047	P	2.9
3	☐	5.000	5.033	26476.20	0.0088	P	3.1
4	☐	10.000	10.337	48848.10	0.0164	P	2.4
5	☐	100.000	103.441	437345.07	0.1486	P	1.2
6	☐	200.000	198.260	817736.60	0.2833	P	2.7

y = 0.0014 * x + 0.0017
R = 0.9998
DL = 0.2237
BEC = 1.177

Weight: <None>
Min Conc: <None>

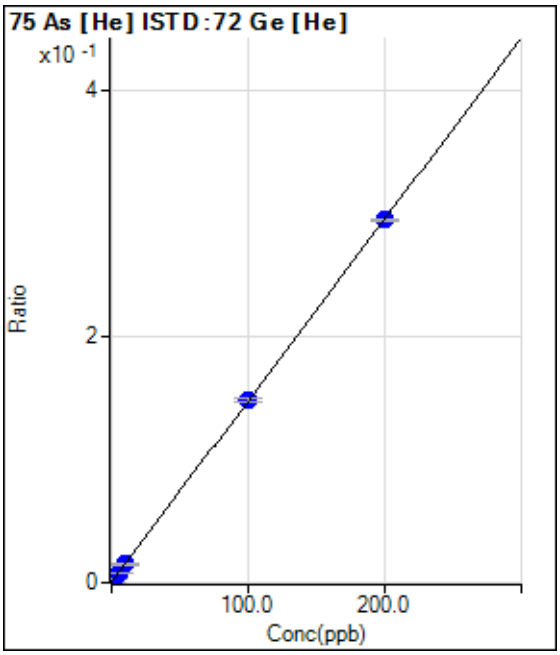
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1836.83	0.0020	P	4.5
2	☐	2.000	2.135	5344.47	0.0057	P	3.5
3	☐	5.000	5.132	10197.32	0.0109	P	3.2
4	☐	10.000	10.060	18185.81	0.0195	P	4.4
5	☐	100.000	102.960	165475.79	0.1807	P	1.1
6	☐	200.000	198.512	310133.52	0.3466	P	1.0

y = 0.0017 * x + 0.0020
R = 0.9998
DL = 0.1563
BEC = 1.151

Weight: <None>
Min Conc: <None>

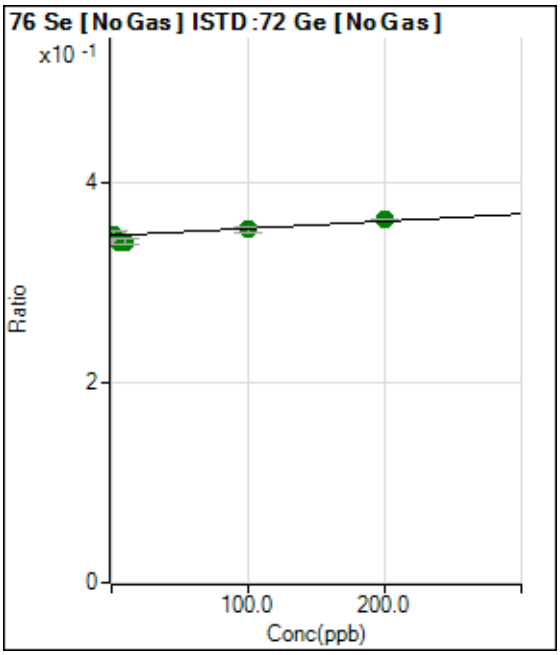


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	310.01	0.0003	P	11.0
2	☐	2.000	1.985	3055.91	0.0033	P	4.2
3	☐	5.000	5.038	7257.55	0.0078	P	3.0
4	☐	10.000	9.861	13898.30	0.0149	P	2.0
5	☐	100.000	100.551	136018.18	0.1486	P	1.8
6	☐	200.000	199.730	263741.14	0.2948	P	0.7

y = 0.0015 * x + 3.3720E-004
R = 1.0000
DL = 0.07527
BEC = 0.2288

Weight: <None>
Min Conc: <None>

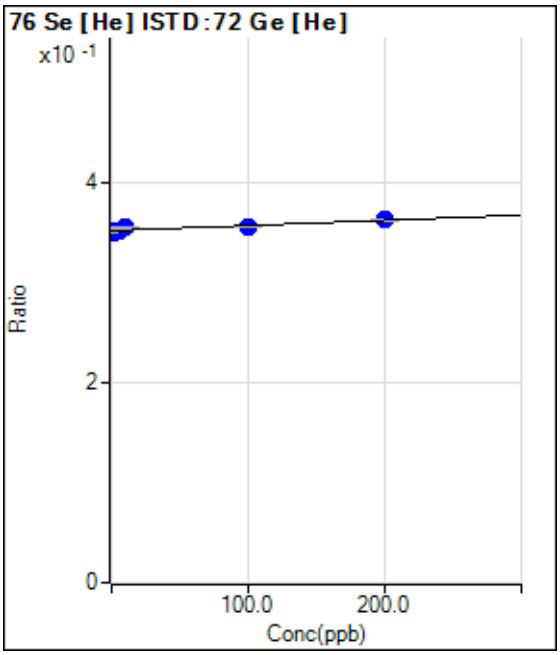
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1026509.18	0.3465	A	2.2
2	☐	2.000	1.025	1036409.10	0.3466	A	3.1
3	☐	5.000	-85.532	1022022.25	0.3404	A	0.4
4	☐	10.000	-85.855	1016627.17	0.3403	A	1.8
5	☐	100.000	80.187	1036824.67	0.3523	A	1.4
6	☐	200.000	216.972	1045820.48	0.3622	A	0.8

y = 7.2199E-005 * x + 0.3465
R = 0.9287
DL = 311.1
BEC = 4800

Weight: <None>
Min Conc: <None>

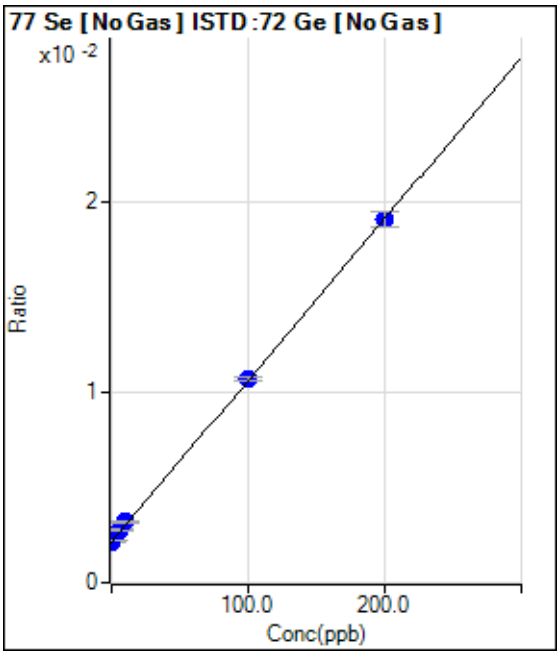


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	323654.06	0.3521	P	0.6
2	☐	2.000	-46.287	327571.09	0.3497	P	0.8
3	☐	5.000	-16.888	328393.63	0.3513	P	0.3
4	☐	10.000	51.453	331565.31	0.3548	P	0.6
5	☐	100.000	86.800	326534.62	0.3566	P	0.6
6	☐	200.000	205.558	324642.05	0.3628	P	0.4

y = 5.1963E-005 * x + 0.3521
R = 0.9458
DL = 128.9
BEC = 6777

Weight: <None>
Min Conc: <None>

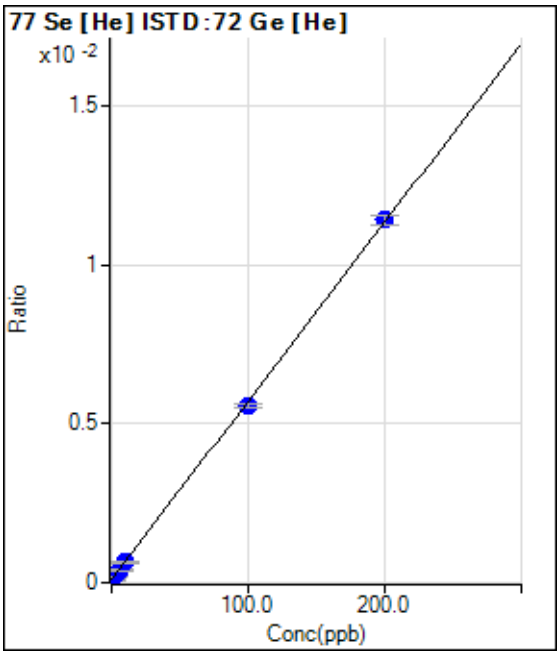
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6368.30	0.0022	P	3.4
2	☐	2.000	2.895	7158.70	0.0024	P	11.0
3	☐	5.000	7.198	8289.35	0.0028	P	3.4
4	☐	10.000	12.433	9573.56	0.0032	P	4.9
5	☐	100.000	100.953	31567.40	0.0107	P	2.3
6	☐	200.000	199.338	55079.44	0.0191	P	4.1

y = 8.4965E-005 * x + 0.0022
R = 0.9999
DL = 2.607
BEC = 25.31

Weight: <None>
Min Conc: <None>

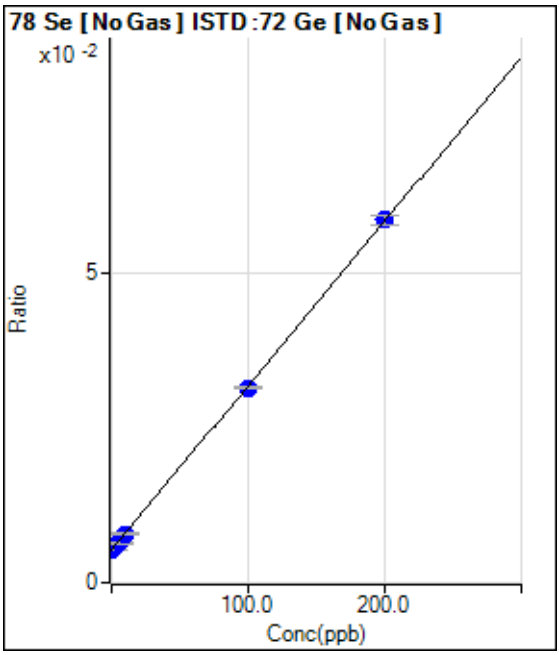


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	90.00	0.0001	P	19.6
2	☐	2.000	1.738	183.34	0.0002	P	10.7
3	☐	5.000	5.174	363.34	0.0004	P	4.3
4	☐	10.000	9.748	603.36	0.0006	P	8.5
5	☐	100.000	97.166	5087.71	0.0056	P	2.6
6	☐	200.000	201.428	10214.07	0.0114	P	2.4

y = 5.6183E-005 * x + 9.7966E-005
R = 0.9999
DL = 1.023
BEC = 1.744

Weight: <None>
Min Conc: <None>

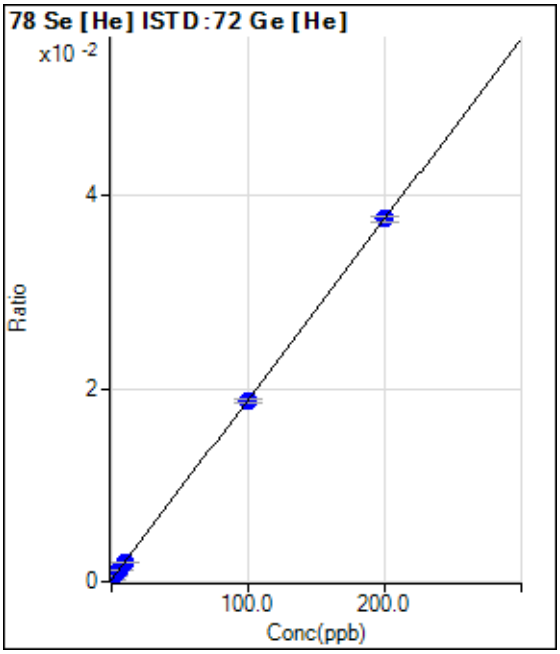
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	15742.73	0.0053	P	2.0
2	☐	2.000	1.032	16700.56	0.0056	P	6.6
3	☐	5.000	4.204	19307.42	0.0064	P	3.2
4	☐	10.000	9.781	23634.38	0.0079	P	1.6
5	☐	100.000	98.309	92492.52	0.0314	P	0.9
6	☐	200.000	200.886	169347.12	0.0587	P	2.5

y = 2.6561E-004 * x + 0.0053
R = 1.0000
DL = 1.203
BEC = 20.01

Weight: <None>
Min Conc: <None>

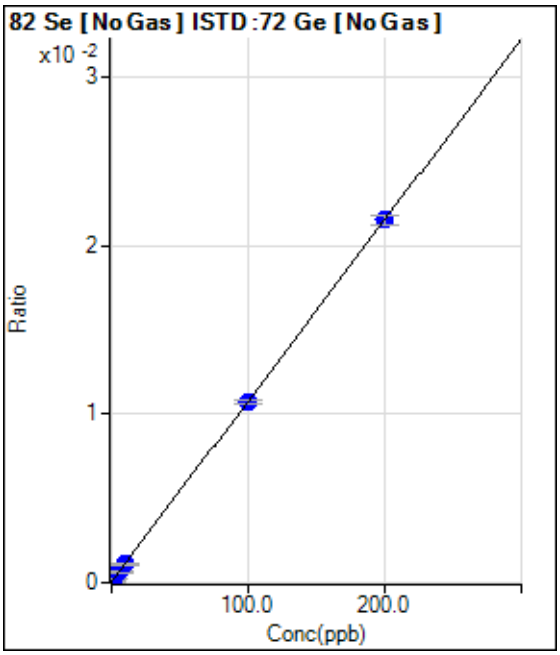


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	187.33	0.0002	P	11.6
2	☐	2.000	2.327	598.68	0.0006	P	0.7
3	☐	5.000	5.362	1128.05	0.0012	P	0.3
4	☐	10.000	9.807	1904.14	0.0020	P	5.2
5	☐	100.000	99.650	17245.70	0.0188	P	2.1
6	☐	200.000	200.172	33669.91	0.0376	P	1.7

y = 1.8698E-004 * x + 2.0400E-004
R = 1.0000
DL = 0.3811
BEC = 1.091

Weight: <None>
Min Conc: <None>

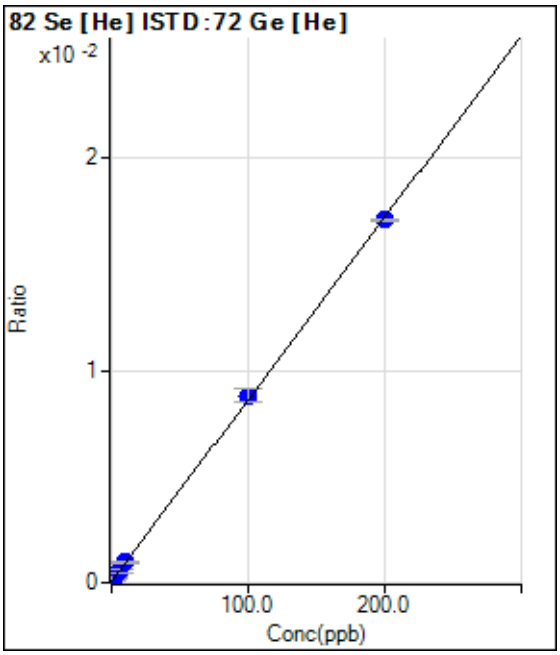
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	155.17	0.0001	P	28.5
2	☐	2.000	1.859	751.67	0.0003	P	16.5
3	☐	5.000	5.528	1935.46	0.0006	P	12.0
4	☐	10.000	9.780	3289.09	0.0011	P	4.1
5	☐	100.000	99.709	31646.85	0.0107	P	1.9
6	☐	200.000	200.145	62145.99	0.0215	P	2.4

y = 1.0729E-004 * x + 5.2306E-005
R = 1.0000
DL = 0.4165
BEC = 0.4875

Weight: <None>
Min Conc: <None>

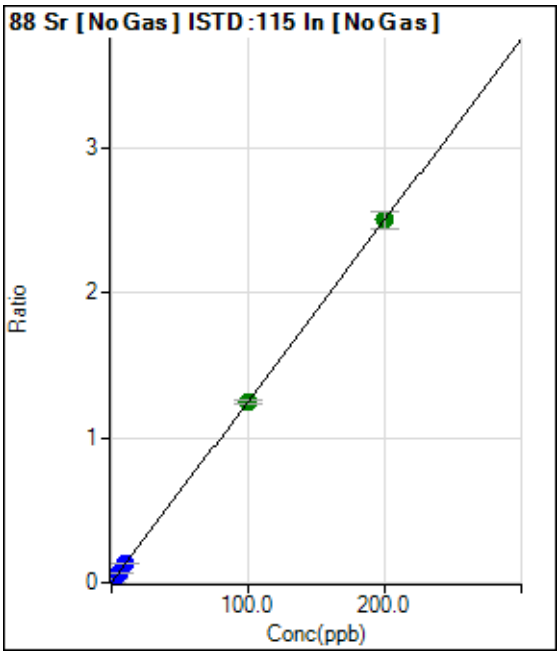


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	50.00	0.0001	P	1.3
2	☐	2.000	1.938	206.67	0.0002	P	34.0
3	☐	5.000	5.816	516.69	0.0006	P	21.8
4	☐	10.000	10.518	893.38	0.0010	P	3.4
5	☐	100.000	102.188	8069.23	0.0088	P	7.5
6	☐	200.000	198.860	15302.32	0.0171	P	0.4

y = 8.5726E-005 * x + 5.4407E-005
R = 0.9999
DL = 0.02465
BEC = 0.6347

Weight: <None>
Min Conc: <None>

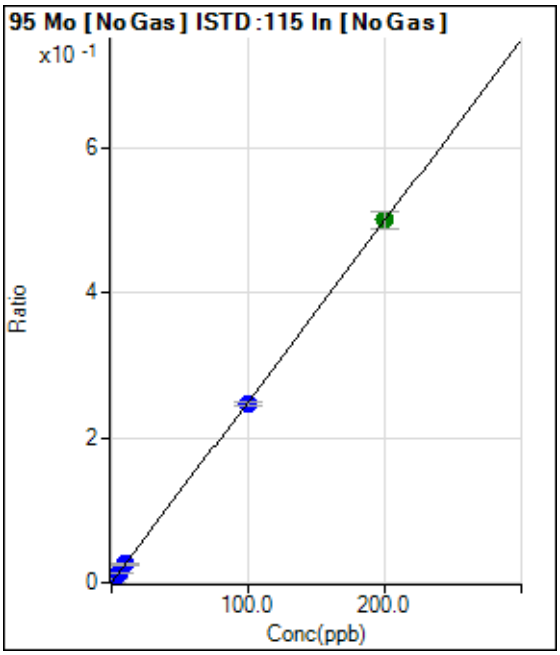
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6501.72	0.0019	P	4.5
2	☐	2.000	2.058	98419.83	0.0275	P	2.4
3	☐	5.000	5.284	240375.32	0.0678	P	5.3
4	☐	10.000	10.518	476542.94	0.1331	P	3.0
5	☐	100.000	99.595	4342989.73	1.2450	A	2.0
6	☐	200.000	200.169	8339593.42	2.5003	A	4.4

y = 0.0125 * x + 0.0019
R = 1.0000
DL = 0.01991
BEC = 0.1485

Weight: <None>
Min Conc: <None>

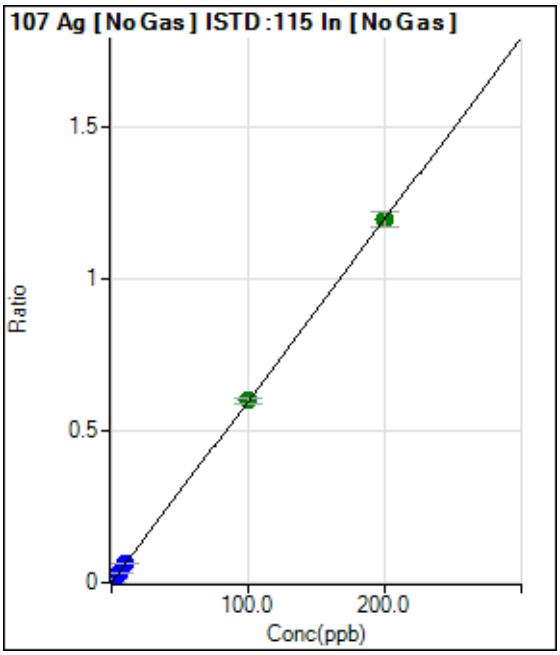


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	786.70	0.0002	P	2.5
2	☐	2.000	1.962	18282.89	0.0051	P	2.9
3	☐	5.000	5.056	45481.30	0.0128	P	4.8
4	☐	10.000	10.045	90401.94	0.0253	P	5.0
5	☐	100.000	99.088	862495.12	0.2472	P	2.2
6	☐	200.000	200.453	1667196.85	0.4999	A	4.9

y = 0.0025 * x + 2.2417E-004
R = 1.0000
DL = 0.006715
BEC = 0.08993

Weight: <None>
Min Conc: <None>

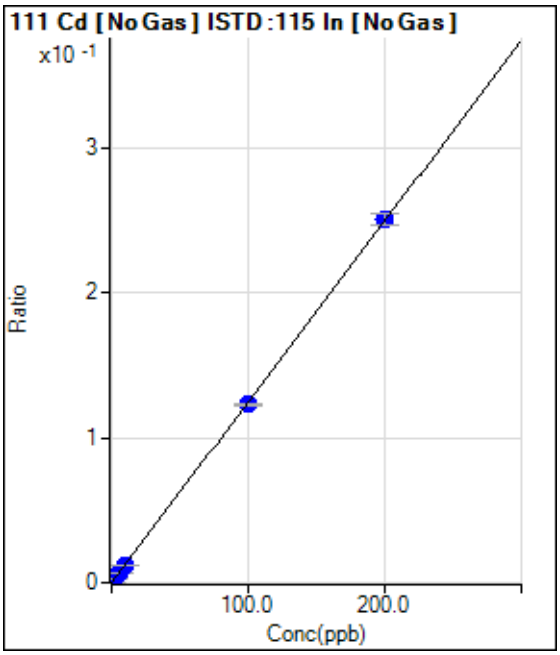
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	100.00	0.0000	P	30.1
2	☐	2.000	2.101	45006.69	0.0126	P	3.5
3	☐	5.000	5.360	113802.59	0.0321	P	4.3
4	☐	10.000	10.674	228650.18	0.0639	P	4.0
5	☐	100.000	100.329	2093965.23	0.6003	A	2.7
6	☐	200.000	199.792	3987285.98	1.1953	A	4.3

y = 0.0060 * x + 2.8529E-005
R = 1.0000
DL = 0.00431
BEC = 0.004769

Weight: <None>
Min Conc: <None>

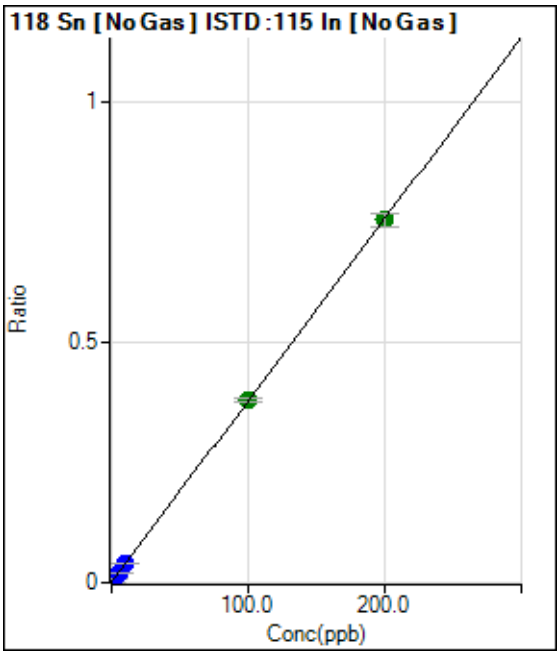


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	-18.13	0.0000	P	-30.6
2	☐	2.000	2.016	8970.72	0.0025	P	1.9
3	☐	5.000	5.034	22250.54	0.0063	P	5.1
4	☐	10.000	9.871	44059.90	0.0123	P	3.3
5	☐	100.000	98.523	428797.60	0.1229	P	1.4
6	☐	200.000	200.744	835536.82	0.2504	P	3.2

y = 0.0012 * x - 5.1491E-006
R = 1.0000
DL = 0.003791
BEC = -0.004127

Weight: <None>
Min Conc: <None>

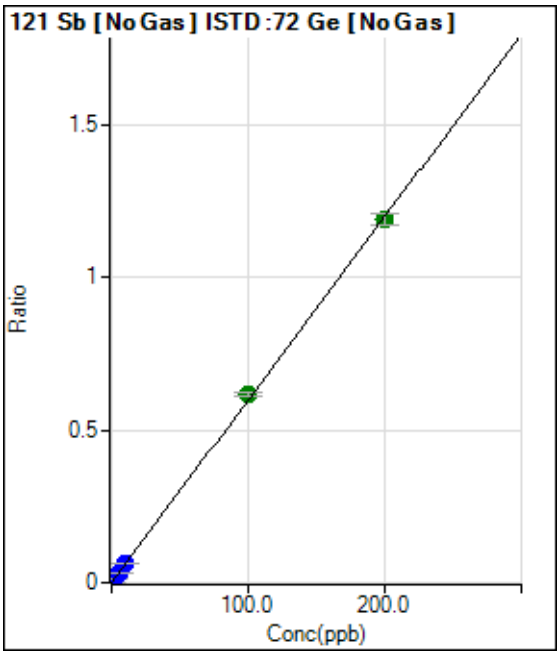
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2210.23	0.0006	P	4.1
2	☐	2.000	2.022	29526.84	0.0083	P	3.8
3	☐	5.000	5.120	70793.79	0.0200	P	3.9
4	☐	10.000	10.282	141233.57	0.0395	P	4.1
5	☐	100.000	100.829	1330687.69	0.3814	A	2.2
6	☐	200.000	199.568	2516414.86	0.7543	A	3.5

y = 0.0038 * x + 6.2968E-004
R = 1.0000
DL = 0.02057
BEC = 0.1667

Weight: <None>
Min Conc: <None>

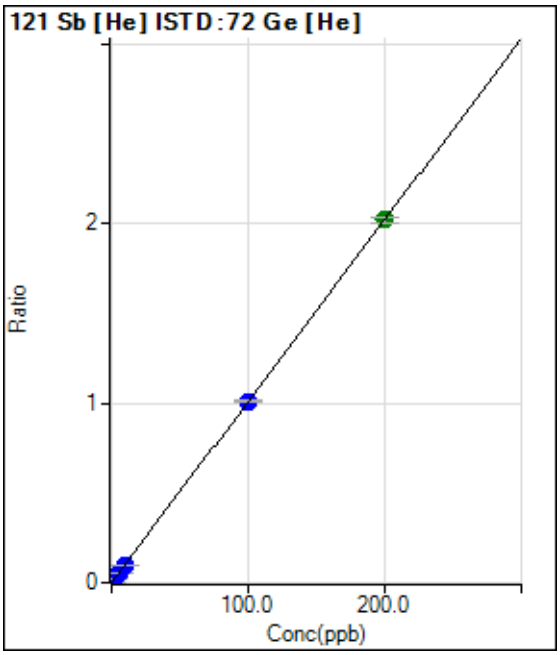


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	283.34	0.0001	P	13.1
2	☐	2.000	2.068	37313.19	0.0125	P	3.8
3	☐	5.000	5.238	94455.30	0.0315	P	3.2
4	☐	10.000	10.535	188752.67	0.0632	P	2.1
5	☐	100.000	102.967	1815072.00	0.6168	A	2.3
6	☐	200.000	198.483	3431542.14	1.1890	A	3.2

y = 0.0060 * x + 9.5556E-005
R = 0.9998
DL = 0.006259
BEC = 0.01595

Weight: <None>
Min Conc: <None>

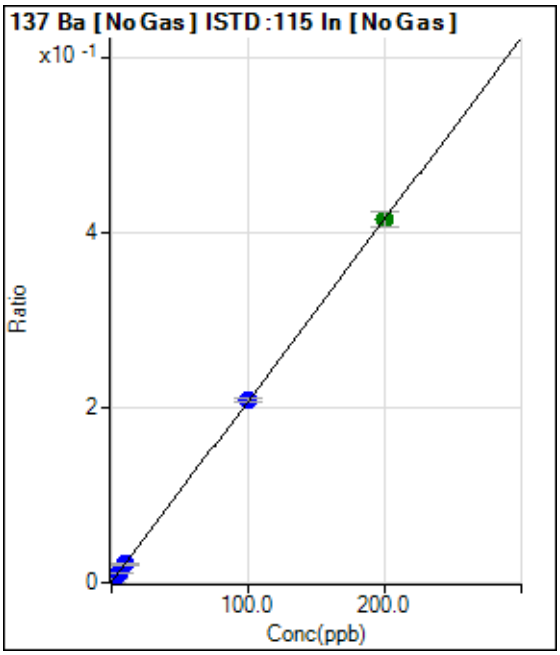
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	136.67	0.0001	P	15.8
2	☐	2.000	1.929	18386.60	0.0196	P	3.3
3	☐	5.000	5.008	47432.62	0.0507	P	3.1
4	☐	10.000	9.954	94102.35	0.1007	P	1.7
5	☐	100.000	99.821	923404.57	1.0085	P	1.2
6	☐	200.000	200.092	1808745.13	2.0215	A	1.3

y = 0.0101 * x + 1.4880E-004
R = 1.0000
DL = 0.006974
BEC = 0.01473

Weight: <None>
Min Conc: <None>

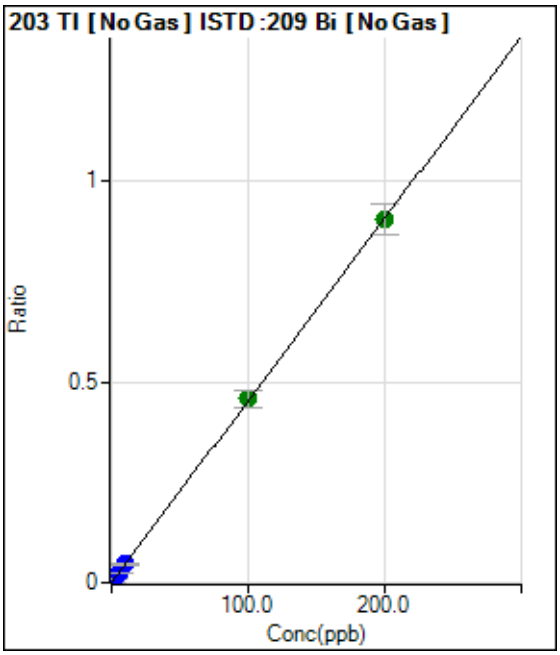


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1233.42	0.0004	P	3.5
2	☐	2.000	1.979	15923.33	0.0045	P	2.4
3	☐	5.000	5.170	39249.75	0.0111	P	3.2
4	☐	10.000	10.021	75589.33	0.0211	P	4.7
5	☐	100.000	100.469	727654.60	0.2086	P	2.1
6	☐	200.000	199.761	1382481.28	0.4144	A	4.3

y = 0.0021 * x + 3.5144E-004
R = 1.0000
DL = 0.01786
BEC = 0.1695

Weight: <None>
Min Conc: <None>

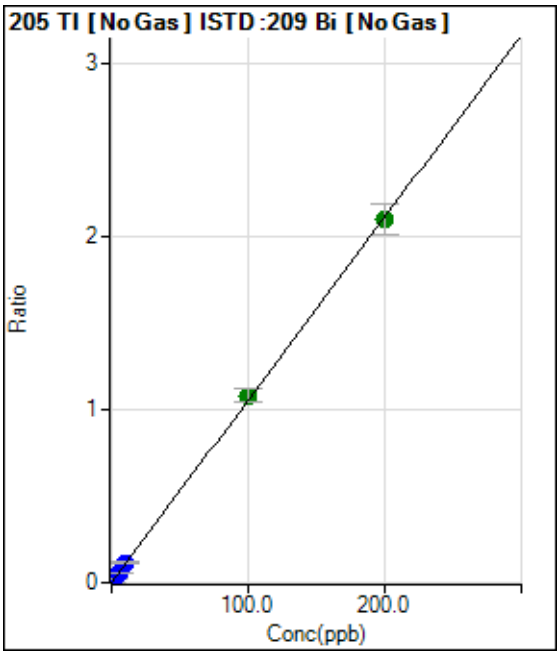
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	143.33	0.0000	P	22.1
2	☐	2.000	2.008	28118.67	0.0091	P	11.4
3	☐	5.000	5.178	72999.93	0.0235	P	9.5
4	☐	10.000	10.393	145672.65	0.0472	P	11.1
5	☐	100.000	101.256	1398795.24	0.4591	A	9.1
6	☐	200.000	199.348	2697099.96	0.9038	A	8.5

y = 0.0045 * x + 4.6884E-005
R = 1.0000
DL = 0.006844
BEC = 0.01034

Weight: <None>
Min Conc: <None>

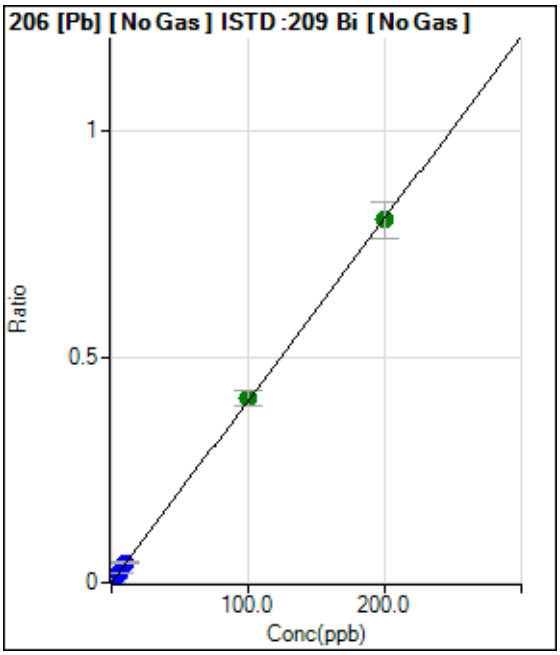


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	310.01	0.0001	P	23.4
2	☐	2.000	2.082	67964.83	0.0221	P	10.4
3	☐	5.000	5.270	173063.54	0.0558	P	10.1
4	☐	10.000	10.597	346240.77	0.1121	P	10.4
5	☐	100.000	102.519	3302501.10	1.0832	A	7.8
6	☐	200.000	198.703	6264453.24	2.0994	A	8.6

y = 0.0106 * x + 1.0153E-004
R = 0.9999
DL = 0.006738
BEC = 0.00961

Weight: <None>
Min Conc: <None>

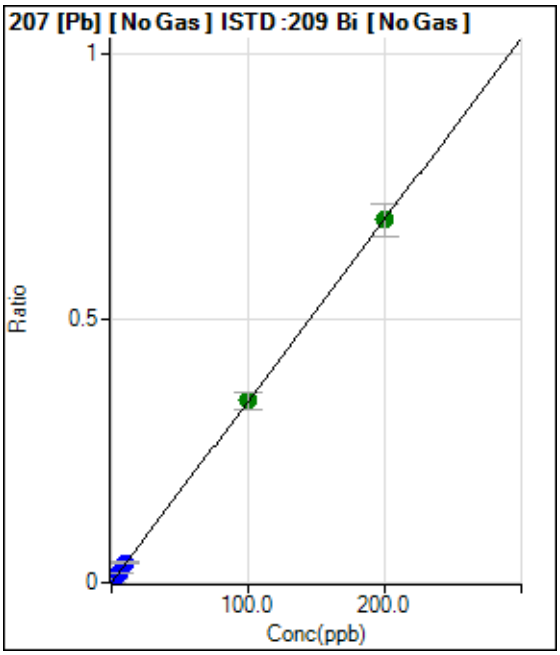
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	336.68	0.0001	P	14.1
2	☐	2.000	2.137	26845.87	0.0087	P	10.4
3	☐	5.000	5.257	66114.98	0.0213	P	10.4
4	☐	10.000	10.620	132775.49	0.0429	P	9.6
5	☐	100.000	101.324	1246477.22	0.4088	A	7.7
6	☐	200.000	199.299	2397754.24	0.8040	A	9.8

y = 0.0040 * x + 1.0870E-004
R = 1.0000
DL = 0.01142
BEC = 0.02695

Weight: <None>
Min Conc: <None>

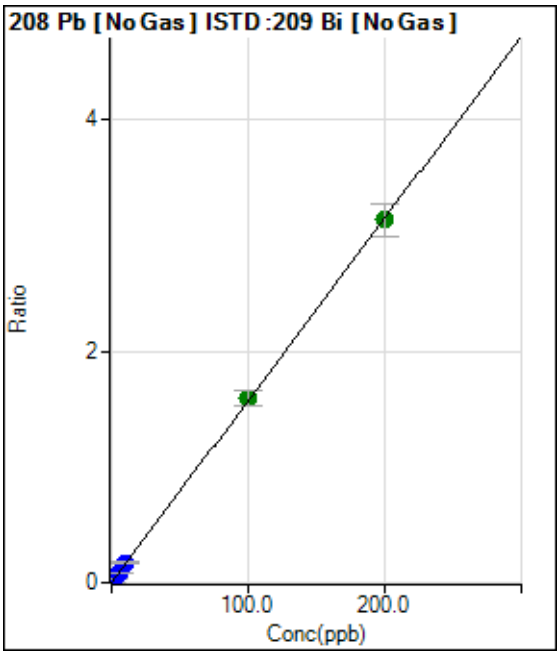


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	313.34	0.0001	P	12.1
2	☐	2.000	2.126	22764.45	0.0074	P	11.3
3	☐	5.000	5.382	57747.20	0.0186	P	8.8
4	☐	10.000	10.730	114237.03	0.0370	P	10.6
5	☐	100.000	100.154	1048777.25	0.3442	A	9.3
6	☐	200.000	199.876	2049287.52	0.6869	A	9.1

y = 0.0034 * x + 1.0166E-004
R = 1.0000
DL = 0.01074
BEC = 0.02958

Weight: <None>
Min Conc: <None>

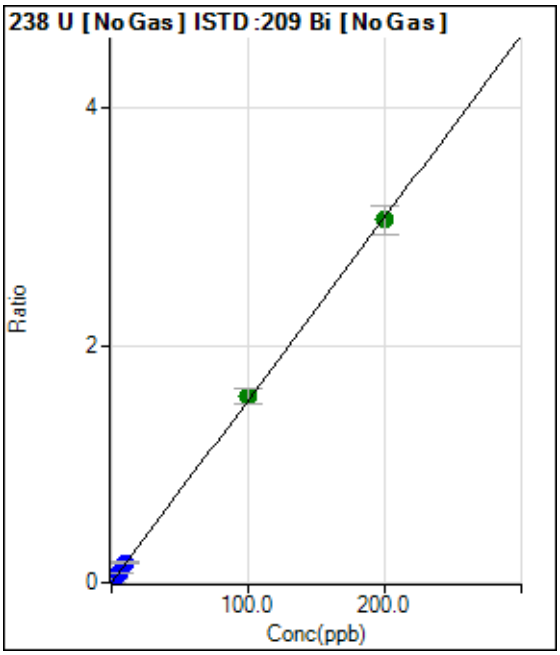
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1356.72	0.0004	P	3.9
2	☐	2.000	2.143	104923.04	0.0341	P	10.2
3	☐	5.000	5.360	262837.51	0.0847	P	9.3
4	☐	10.000	10.841	527951.96	0.1708	P	10.0
5	☐	100.000	101.350	4855890.01	1.5933	A	8.6
6	☐	200.000	199.273	9345442.00	3.1323	A	8.8

y = 0.0157 * x + 4.3994E-004
R = 1.0000
DL = 0.003304
BEC = 0.02799

Weight: <None>
Min Conc: <None>

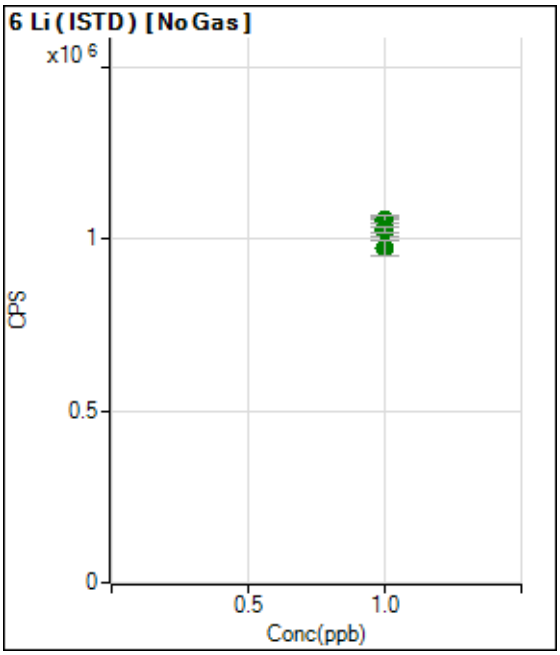


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	86.67	0.0000	P	55.1
2	☐	2.000	2.090	98918.34	0.0322	P	11.5
3	☐	5.000	5.219	249483.87	0.0803	P	8.3
4	☐	10.000	10.613	504971.41	0.1633	P	9.5
5	☐	100.000	102.461	4804828.37	1.5766	A	8.6
6	☐	200.000	198.732	9125993.82	3.0579	A	8.3

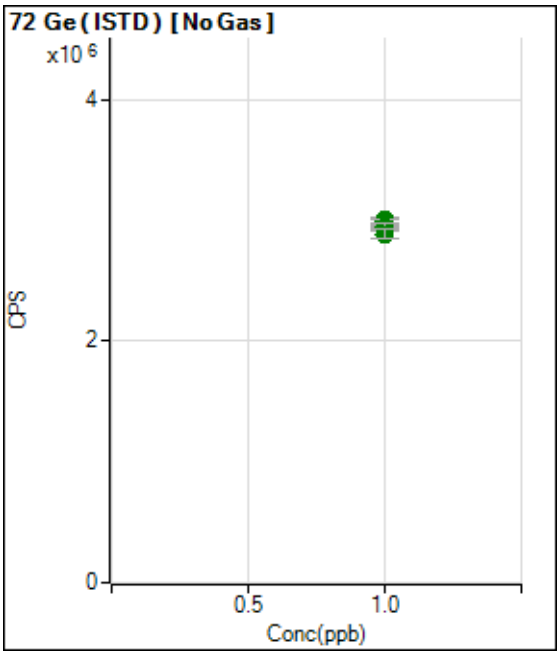
y = 0.0154 * x + 2.8336E-005
R = 0.9999
DL = 0.003044
BEC = 0.001842

Weight: <None>
Min Conc: <None>

Calibration for 392_ICV.d

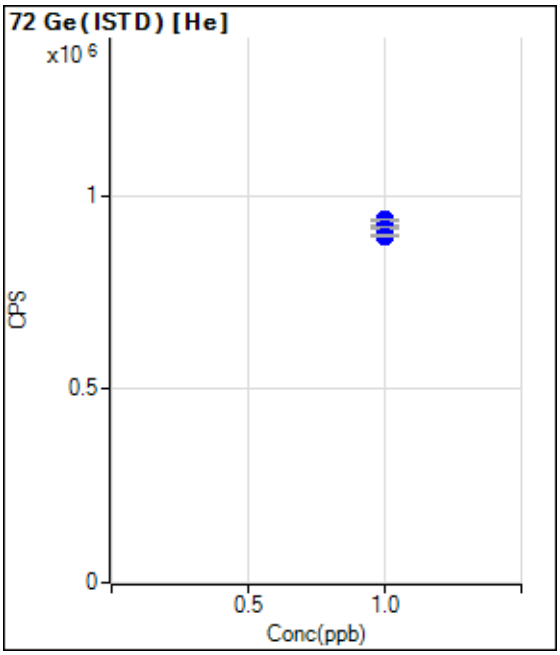


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1050248.64		A	2.9
2	☐	1.000		1045151.04		A	2.4
3	☐	1.000		1055806.99		A	2.0
4	☐	1.000		1026633.98		A	3.5
5	☐	1.000		1027324.58		A	1.9
6	☐	1.000		974457.93		A	4.3

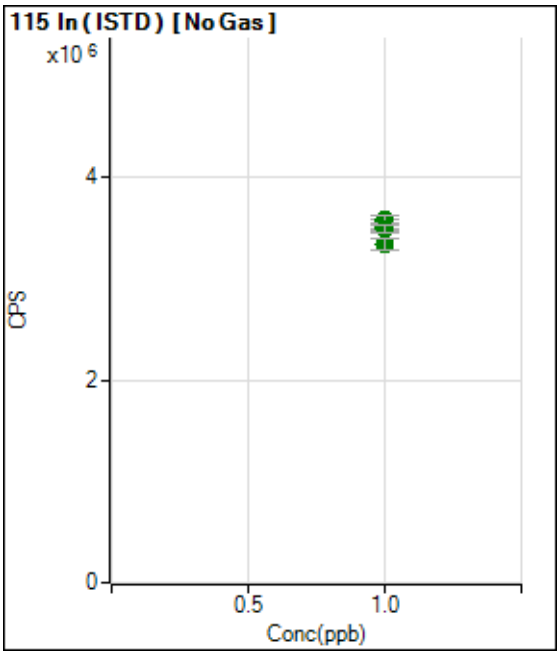


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2961995.58		A	1.2
2	☐	1.000		2991019.54		A	2.3
3	☐	1.000		3002649.02		A	1.9
4	☐	1.000		2987275.37		A	1.8
5	☐	1.000		2943211.73		A	2.3
6	☐	1.000		2887581.73		A	2.8

Calibration for 392_ICV.d

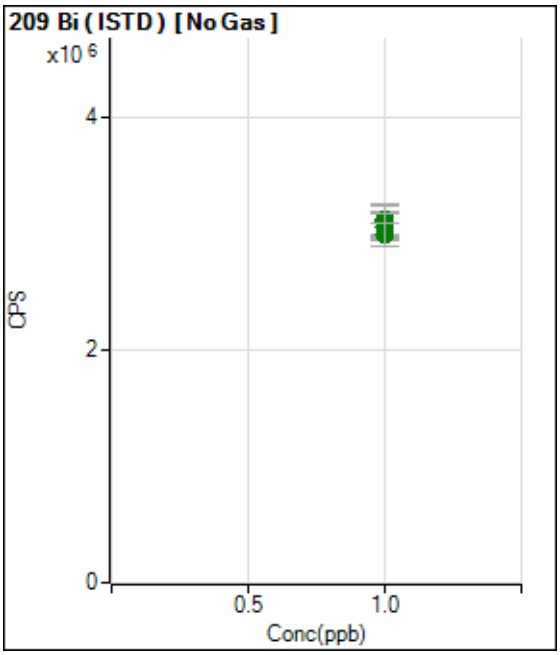


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		919094.52		P	1.3
2	☐	1.000		936688.61		P	0.7
3	☐	1.000		934926.18		P	0.6
4	☐	1.000		934519.39		P	0.6
5	☐	1.000		915591.16		P	0.3
6	☐	1.000		894791.73		P	0.8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3508716.20		A	1.7
2	☐	1.000		3575157.61		A	2.5
3	☐	1.000		3548152.48		A	2.7
4	☐	1.000		3580867.26		A	2.2
5	☐	1.000		3489203.66		A	2.3
6	☐	1.000		3338144.52		A	3.0

Calibration for 392_ICV.d



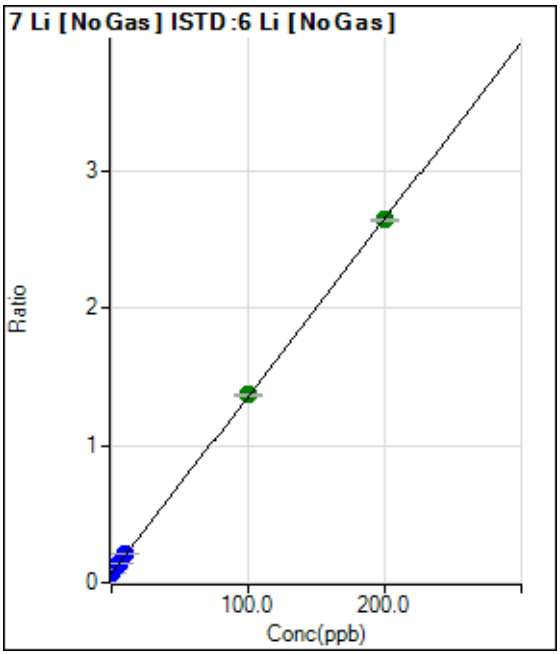
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3084426.83		A	7.1
2	☐	1.000		3094663.91		A	9.2
3	☐	1.000		3119861.83		A	8.3
4	☐	1.000		3108750.37		A	8.7
5	☐	1.000		3060644.95		A	7.4
6	☐	1.000		2995420.89		A	6.7

Calibration for 329_ICV.d

Batch Folder: C:\Agilent\ICPMH\1\DATA\062023A.b\
Analysis File: 062023A.batch.bin
DA Date-Time: 6/20/2023 10:13:19 PM
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	322CALB.d	CAL BLK	6/20/2023 9:59:28 PM
2	323CALS.d	2/10/200	6/20/2023 10:01:24 PM
3	324CALS.d	5/25/500	6/20/2023 10:03:19 PM
4	325CALS.d	10/50/100	6/20/2023 10:05:14 PM
5	326CALS.d	100/500/10K	6/20/2023 10:07:09 PM
6	327CALS.d	200/1000/20K	6/20/2023 10:08:56 PM

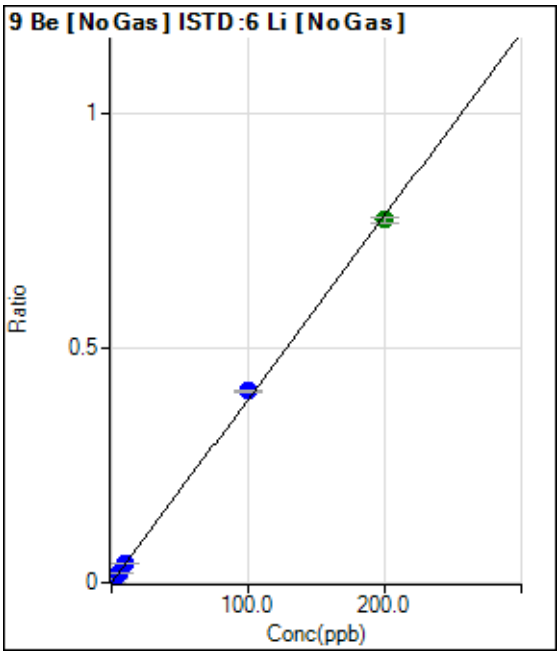
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	91214.36	0.0677	P	1.7
2	☐	2.000	2.154	129264.73	0.0954	P	0.4
3	☐	5.000	5.465	187757.94	0.1381	P	2.3
4	☐	10.000	10.900	282170.80	0.2081	P	0.1
5	☐	100.000	100.645	1791909.66	1.3642	A	1.2
6	☐	200.000	199.619	3379912.87	2.6391	A	0.9

y = 0.0129 * x + 0.0677
R = 1.0000
DL = 0.2709
BEC = 5.253

Weight: <None>
Min Conc: <None>

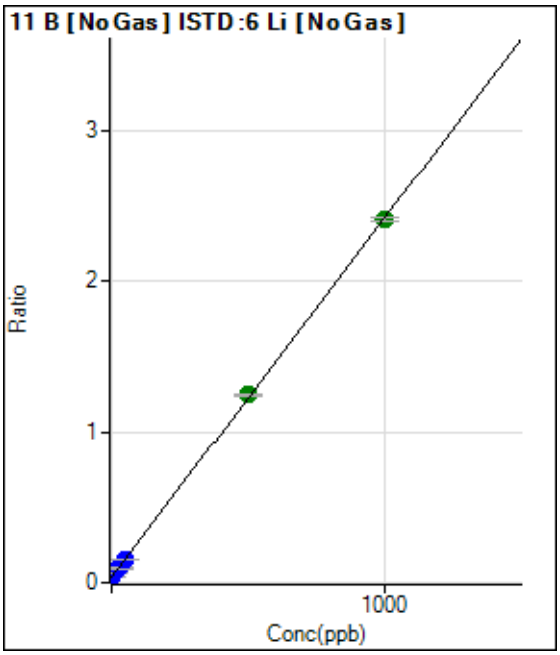


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	18.33	0.0000	P	78.8
2	☐	2.000	2.008	10639.11	0.0079	P	1.6
3	☐	5.000	5.181	27533.61	0.0202	P	2.4
4	☐	10.000	10.278	54449.91	0.0402	P	1.6
5	☐	100.000	104.424	535728.22	0.4078	P	0.7
6	☐	200.000	197.769	989138.52	0.7724	A	1.4

y = 0.0039 * x + 1.3603E-005
R = 0.9997
DL = 0.008229
BEC = 0.003483

Weight: <None>
Min Conc: <None>

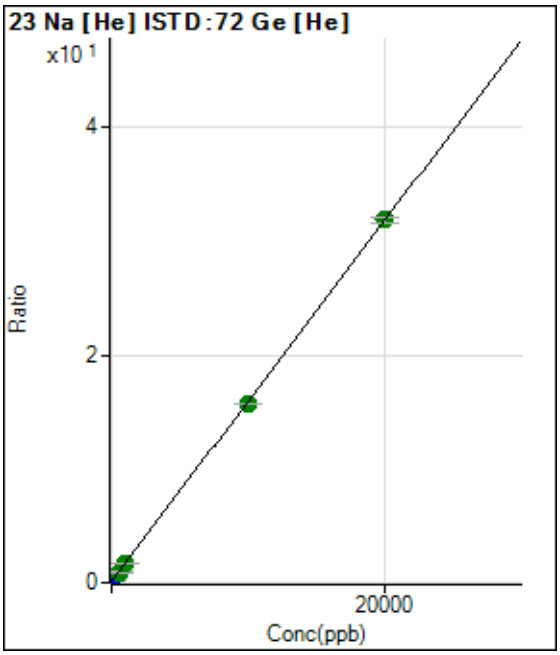
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	49250.85	0.0365	P	1.0
2	☐	10.000	9.668	80703.28	0.0596	P	1.2
3	☐	25.000	24.980	130634.10	0.0961	P	2.6
4	☐	50.000	50.996	214327.70	0.1581	P	1.1
5	☐	500.000	508.369	1639448.88	1.2480	A	1.1
6	☐	1000.000	995.770	3086224.95	2.4095	A	1.1

y = 0.0024 * x + 0.0365
R = 0.9999
DL = 0.4599
BEC = 15.33

Weight: <None>
Min Conc: <None>

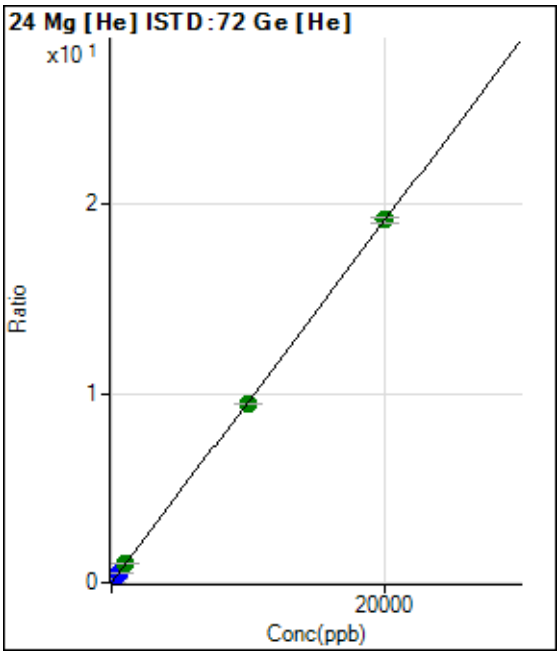


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	92555.10	0.0884	P	1.1
2	☐	200.000	221.387	453099.17	0.4394	P	2.5
3	☐	500.000	522.531	960153.81	0.9169	A	3.2
4	☐	1000.000	1006.745	1776680.65	1.6846	A	4.4
5	☐	10000.00	9870.279	16112981.84	15.7376	A	0.5
6	☐	20000.00	20063.74	31515454.53	31.8992	A	1.3

y = 0.0016 * x + 0.0884
R = 1.0000
DL = 1.778
BEC = 55.75

Weight: <None>
Min Conc: <None>

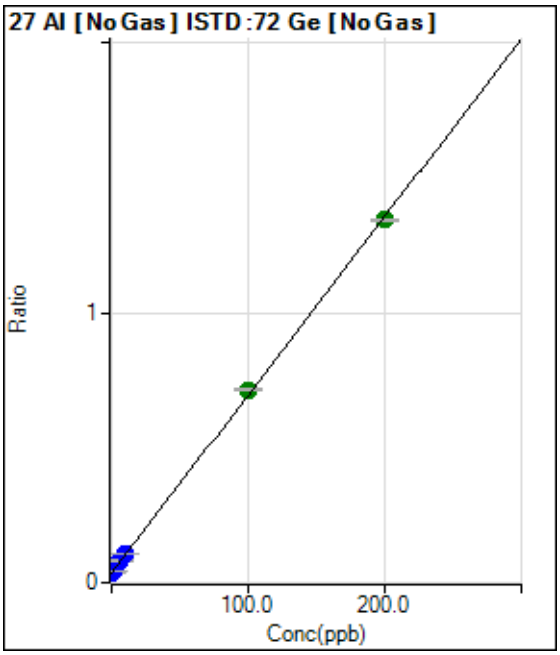
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1906.83	0.0018	P	3.0
2	☐	200.000	224.914	223579.98	0.2168	P	1.9
3	☐	500.000	554.989	557585.37	0.5323	P	1.4
4	☐	1000.000	1025.508	1035947.43	0.9820	A	3.2
5	☐	10000.00	9888.414	9679399.23	9.4536	A	0.8
6	☐	20000.00	20052.89	18937565.55	19.1692	A	1.9

y = 9.5584E-004 * x + 0.0018
R = 1.0000
DL = 0.1737
BEC = 1.905

Weight: <None>
Min Conc: <None>

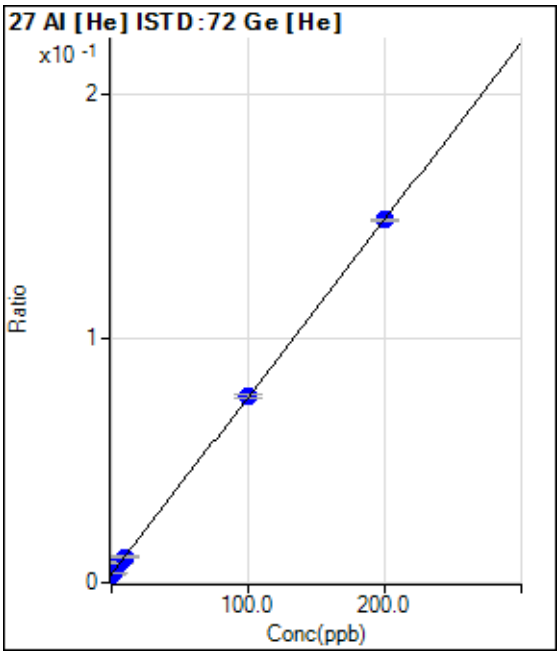


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	125808.32	0.0359	P	1.4
2	☐	2.000	0.542	138905.30	0.0395	P	0.5
3	☐	5.000	6.941	286705.24	0.0817	P	0.9
4	☐	10.000	10.832	379663.68	0.1074	P	0.3
5	☐	100.000	103.119	2492159.80	0.7162	A	1.1
6	☐	200.000	198.365	4551804.72	1.3446	A	0.6

y = 0.0066 * x + 0.0359
R = 0.9997
DL = 0.2221
BEC = 5.442

Weight: <None>
Min Conc: <None>

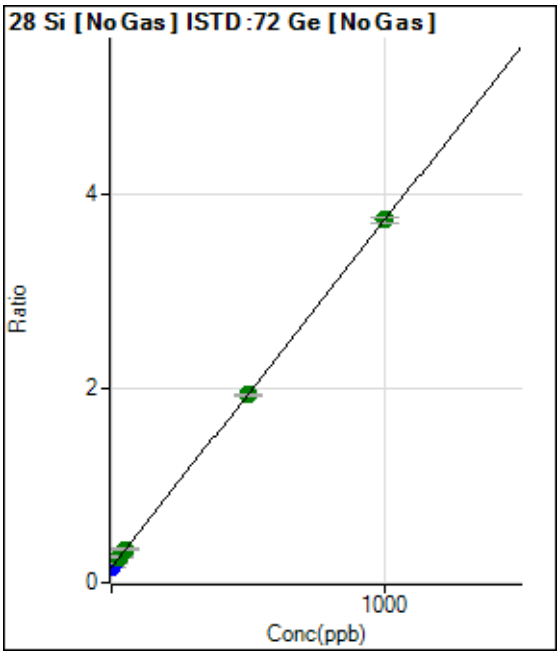
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3660.53	0.0035	P	4.4
2	☐	2.000	0.748	4164.06	0.0040	P	7.2
3	☐	5.000	6.457	8572.79	0.0082	P	5.5
4	☐	10.000	9.754	11171.34	0.0106	P	2.5
5	☐	100.000	100.109	78068.23	0.0763	P	1.9
6	☐	200.000	199.934	147029.91	0.1488	P	0.8

y = 7.2684E-004 * x + 0.0035
R = 0.9999
DL = 0.6414
BEC = 4.808

Weight: <None>
Min Conc: <None>

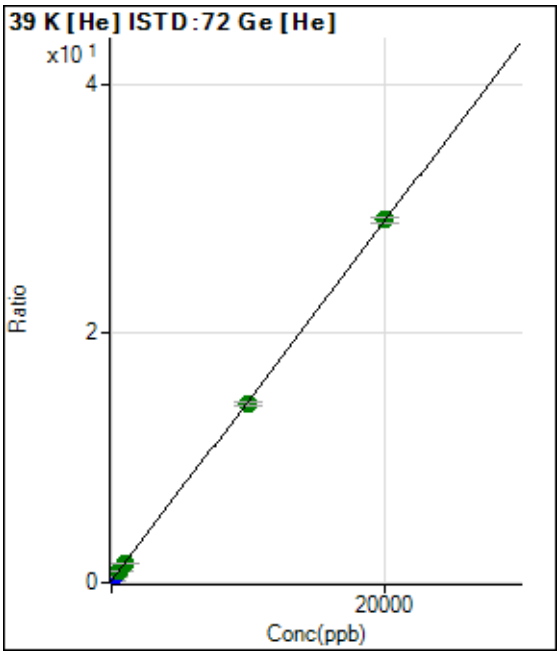


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	549243.20	0.1568	P	0.8
2	☐	10.000	11.589	697220.22	0.1982	P	1.3
3	☐	25.000	30.510	932797.09	0.2658	A	2.5
4	☐	50.000	53.011	1223938.37	0.3462	A	2.0
5	☐	500.000	497.226	6728354.07	1.9337	A	1.5
6	☐	1000.000	1001.083	12640822.73	3.7344	A	1.5

y = 0.0036 * x + 0.1568
R = 1.0000
DL = 1.06
BEC = 43.86

Weight: <None>
Min Conc: <None>

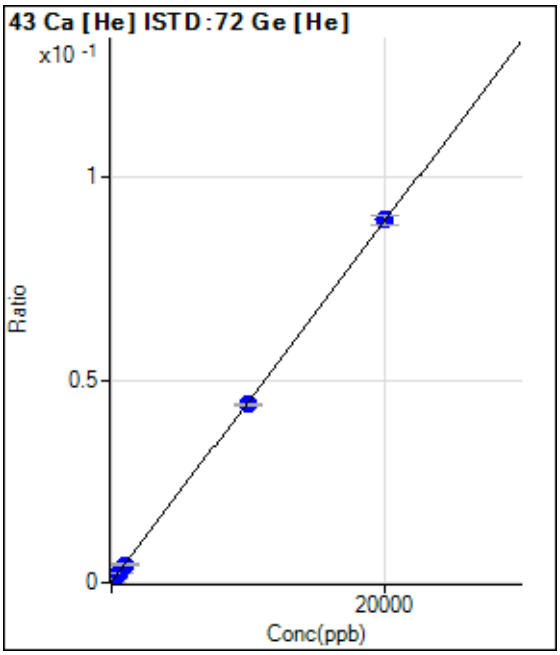
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	165135.25	0.1577	P	0.8
2	☐	200.000	216.005	484011.15	0.4694	P	2.3
3	☐	500.000	519.021	949442.51	0.9066	A	3.3
4	☐	1000.000	998.272	1685886.69	1.5980	A	2.1
5	☐	10000.00	9840.384	14698254.78	14.3557	A	1.9
6	☐	20000.00	20079.25	28778271.24	29.1286	A	1.3

y = 0.0014 * x + 0.1577
R = 1.0000
DL = 2.487
BEC = 109.3

Weight: <None>
Min Conc: <None>

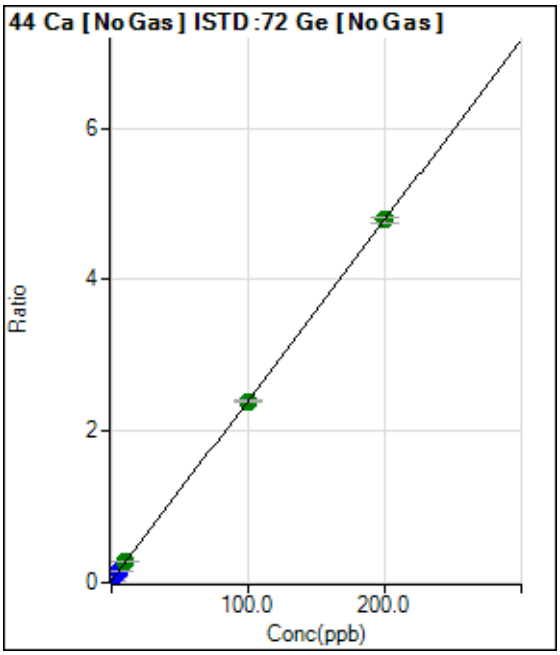


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	153.33	0.0001	P	14.2
2	☐	200.000	186.391	1006.72	0.0010	P	1.4
3	☐	500.000	520.956	2583.63	0.0025	P	9.8
4	☐	1000.000	949.381	4610.86	0.0044	P	7.3
5	☐	10000.00	9852.711	45060.65	0.0440	P	0.6
6	☐	20000.00	20075.78	88439.67	0.0895	P	2.5

y = 4.4521E-006 * x + 1.4631E-004
R = 1.0000
DL = 14
BEC = 32.86

Weight: <None>
Min Conc: <None>

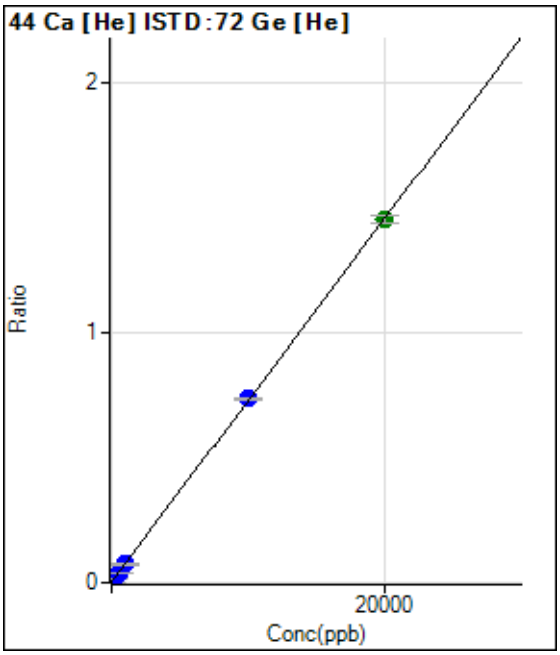
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	90922.58	0.0260	P	1.5
2	☐	2.000	2.102	267381.32	0.0760	P	1.5
3	☐	5.000	5.615	560254.33	0.1596	P	1.5
4	☐	10.000	10.439	970369.39	0.2745	A	2.5
5	☐	100.000	99.579	8338898.21	2.3966	A	1.3
6	☐	200.000	200.172	16218933.51	4.7913	A	1.3

y = 0.0238 * x + 0.0260
R = 1.0000
DL = 0.04982
BEC = 1.09

Weight: <None>
Min Conc: <None>

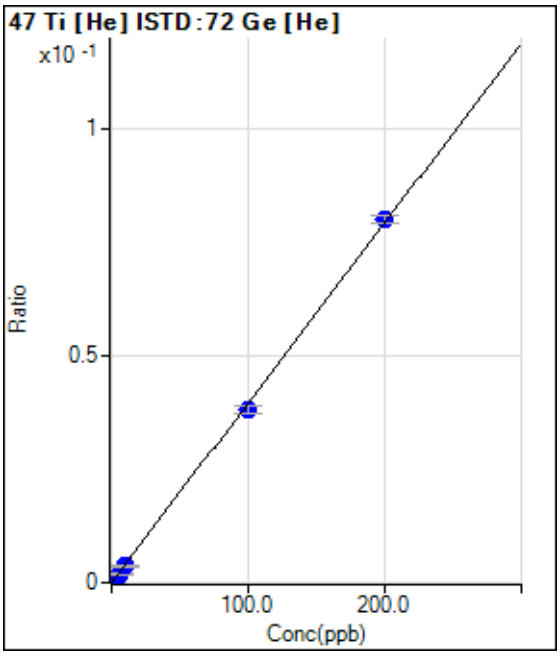


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2583.62	0.0025	P	3.4
2	☐	200.000	195.503	17207.66	0.0167	P	1.8
3	☐	500.000	504.585	41014.86	0.0391	P	1.1
4	☐	1000.000	988.842	78426.12	0.0744	P	3.6
5	☐	10000.00	10108.95	754908.24	0.7374	P	1.5
6	☐	20000.00	19946.00	1434956.90	1.4525	A	2.2

y = 7.2700E-005 * x + 0.0025
R = 1.0000
DL = 3.504
BEC = 33.93

Weight: <None>
Min Conc: <None>

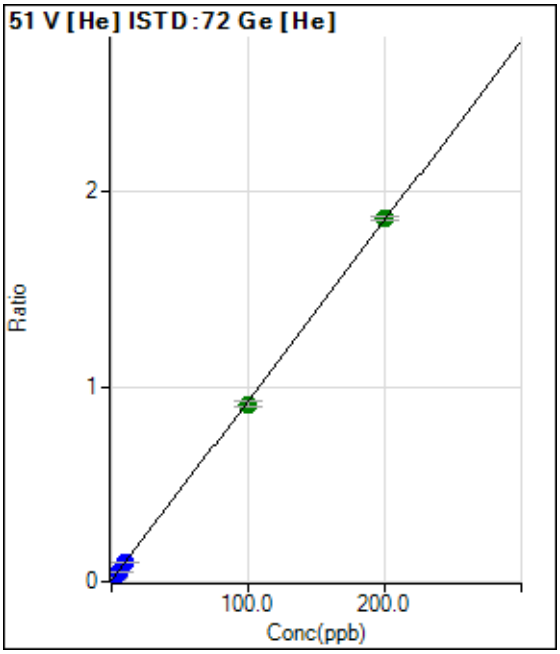
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	26.67	0.0000	P	57.1
2	☐	2.000	2.014	850.04	0.0008	P	2.7
3	☐	5.000	4.724	1986.85	0.0019	P	13.6
4	☐	10.000	9.391	3950.64	0.0037	P	10.3
5	☐	100.000	96.452	39176.27	0.0383	P	4.1
6	☐	200.000	201.811	79080.06	0.0800	P	2.1

y = 3.9652E-004 * x + 2.5409E-005
R = 0.9998
DL = 0.1098
BEC = 0.06408

Weight: <None>
Min Conc: <None>

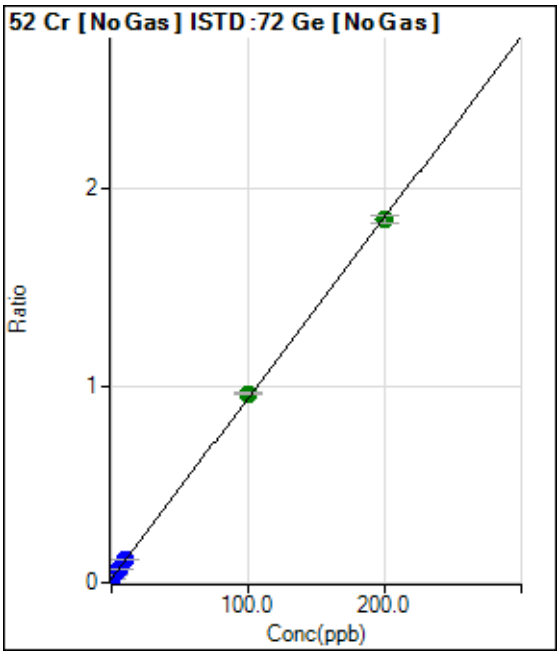


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5891.30	0.0056	P	0.4
2	☐	2.000	2.045	25287.74	0.0245	P	1.5
3	☐	5.000	5.080	55058.83	0.0526	P	1.5
4	☐	10.000	9.959	103008.06	0.0976	P	2.0
5	☐	100.000	98.051	933089.82	0.9115	A	2.9
6	☐	200.000	200.974	1840089.30	1.8625	A	1.1

y = 0.0092 * x + 0.0056
R = 0.9999
DL = 0.00747
BEC = 0.6089

Weight: <None>
Min Conc: <None>

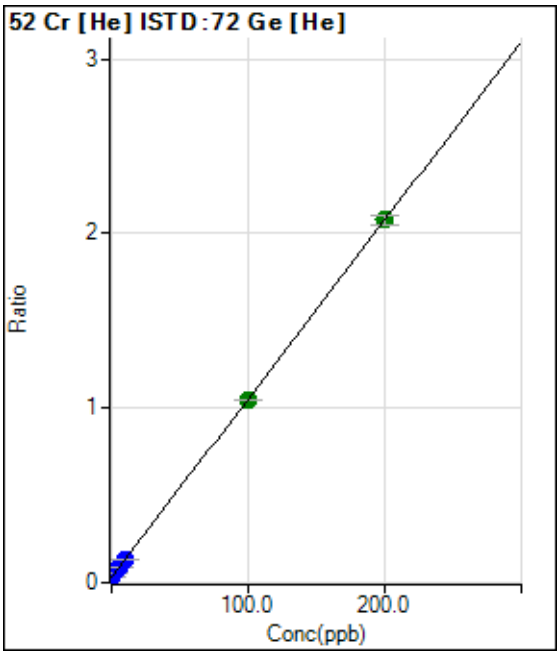
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	70226.37	0.0200	P	1.7
2	☐	2.000	2.278	144061.36	0.0409	P	0.3
3	☐	5.000	5.541	248774.77	0.0709	P	0.6
4	☐	10.000	11.001	427786.19	0.1210	P	1.1
5	☐	100.000	102.606	3345833.59	0.9616	A	1.5
6	☐	200.000	198.631	6237629.70	1.8428	A	2.2

y = 0.0092 * x + 0.0200
R = 0.9999
DL = 0.1085
BEC = 2.184

Weight: <None>
Min Conc: <None>

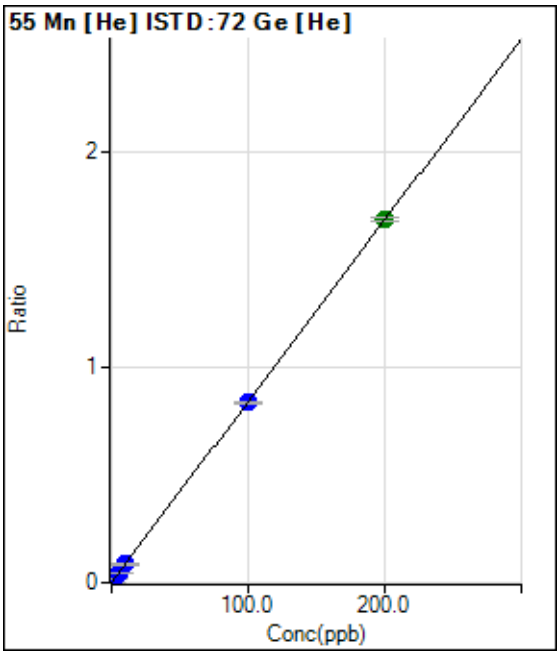


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	31206.08	0.0298	P	1.3
2	☐	2.000	2.237	54317.81	0.0527	P	1.9
3	☐	5.000	5.307	88062.05	0.0841	P	2.1
4	☐	10.000	10.395	143573.51	0.1361	P	1.7
5	☐	100.000	99.459	1071642.95	1.0467	A	0.8
6	☐	200.000	200.241	2052084.87	2.0772	A	2.4

y = 0.0102 * x + 0.0298
R = 1.0000
DL = 0.1159
BEC = 2.915

Weight: <None>
Min Conc: <None>

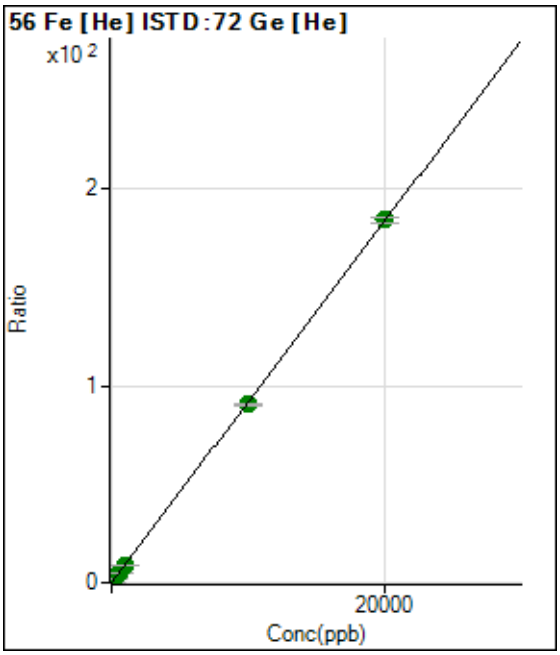
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1050.06	0.0010	P	14.1
2	☐	2.000	2.098	19220.44	0.0186	P	3.3
3	☐	5.000	5.233	47144.88	0.0450	P	1.0
4	☐	10.000	10.044	90132.54	0.0855	P	3.6
5	☐	100.000	99.504	857599.88	0.8377	P	1.3
6	☐	200.000	200.239	1664432.37	1.6847	A	1.2

y = 0.0084 * x + 0.0010
R = 1.0000
DL = 0.05058
BEC = 0.1192

Weight: <None>
Min Conc: <None>

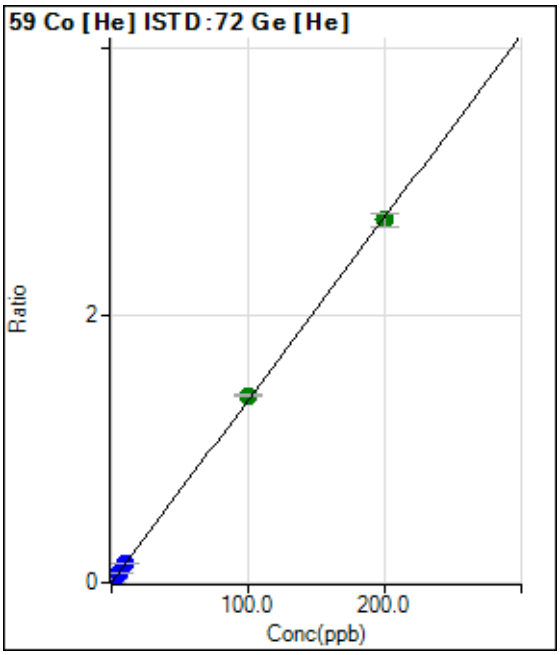


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	36225.02	0.0346	P	3.1
2	☐	200.000	209.035	2014870.44	1.9538	A	2.0
3	☐	500.000	506.620	4908473.05	4.6861	A	1.4
4	☐	1000.000	991.929	9645138.19	9.1419	A	1.7
5	☐	10000.00	9853.898	92662298.62	90.5068	A	1.1
6	☐	20000.00	20073.19	182115990.6	184.334	A	1.4

y = 0.0092 * x + 0.0346
R = 1.0000
DL = 0.3553
BEC = 3.768

Weight: <None>
Min Conc: <None>

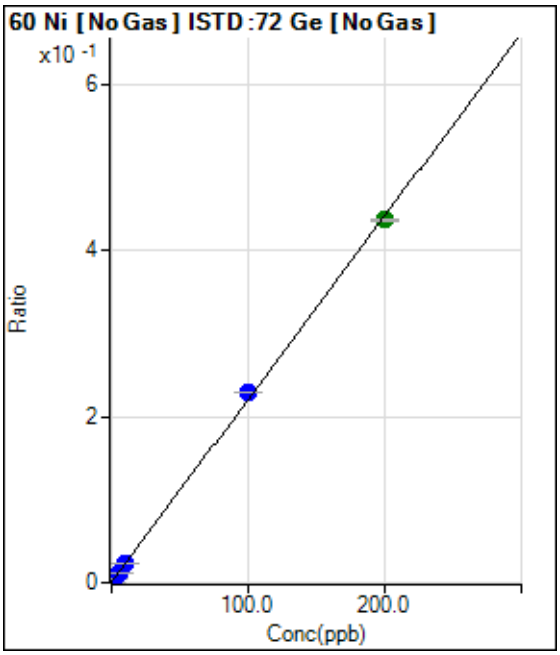
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	166.67	0.0002	P	47.5
2	☐	2.000	2.152	30517.87	0.0296	P	1.2
3	☐	5.000	5.250	75381.18	0.0720	P	1.0
4	☐	10.000	10.345	149391.56	0.1416	P	3.0
5	☐	100.000	102.598	1436873.73	1.4032	A	1.8
6	☐	200.000	198.676	2683986.63	2.7172	A	3.5

y = 0.0137 * x + 1.5890E-004
R = 0.9999
DL = 0.01654
BEC = 0.01162

Weight: <None>
Min Conc: <None>

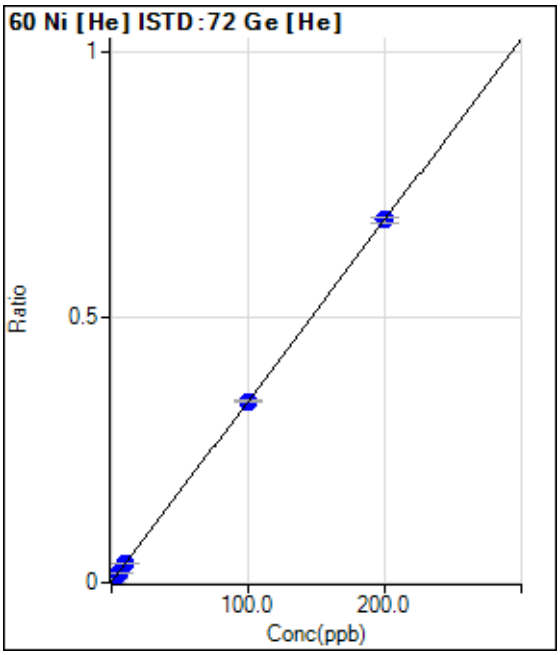


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1720.15	0.0005	P	1.2
2	☐	2.000	2.285	19454.13	0.0055	P	2.0
3	☐	5.000	5.415	43643.56	0.0124	P	0.7
4	☐	10.000	10.625	84598.35	0.0239	P	0.8
5	☐	100.000	103.832	798497.12	0.2295	P	0.9
6	☐	200.000	198.039	1480243.47	0.4372	A	0.3

y = 0.0022 * x + 4.9093E-004
R = 0.9997
DL = 0.00819
BEC = 0.2226

Weight: <None>
Min Conc: <None>

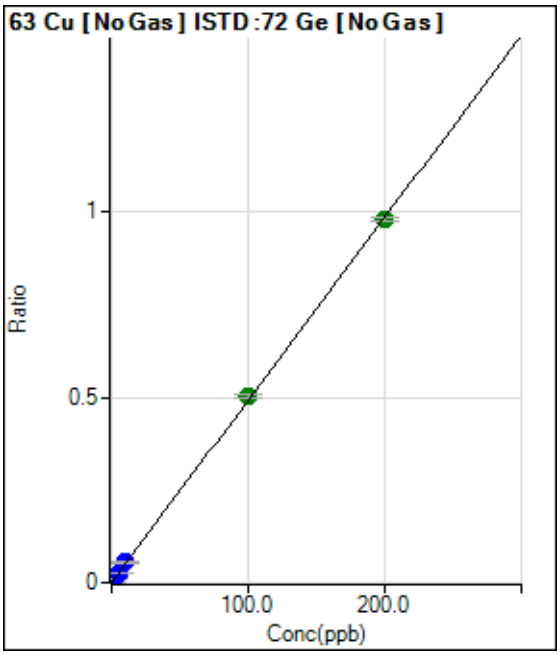
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	780.04	0.0007	P	8.6
2	☐	2.000	2.078	8072.52	0.0078	P	4.1
3	☐	5.000	5.210	19377.39	0.0185	P	1.7
4	☐	10.000	10.213	37478.58	0.0355	P	4.5
5	☐	100.000	99.739	348636.95	0.3405	P	1.1
6	☐	200.000	200.114	674251.32	0.6825	P	1.6

y = 0.0034 * x + 7.4463E-004
R = 1.0000
DL = 0.05623
BEC = 0.2186

Weight: <None>
Min Conc: <None>

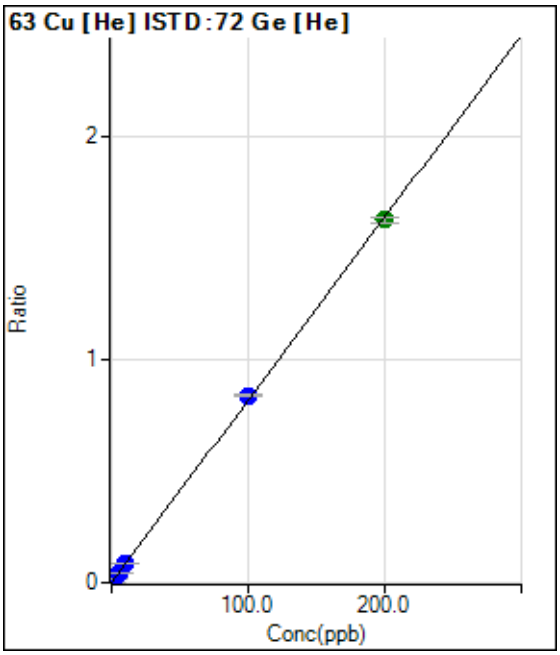


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1716.81	0.0005	P	5.1
2	☐	2.000	2.277	41175.93	0.0117	P	0.7
3	☐	5.000	5.587	98269.47	0.0280	P	2.3
4	☐	10.000	11.025	193693.12	0.0548	P	1.0
5	☐	100.000	102.216	1752983.67	0.5038	A	2.1
6	☐	200.000	198.823	3316055.47	0.9796	A	0.9

y = 0.0049 * x + 4.8994E-004
R = 0.9999
DL = 0.01514
BEC = 0.09949

Weight: <None>
Min Conc: <None>

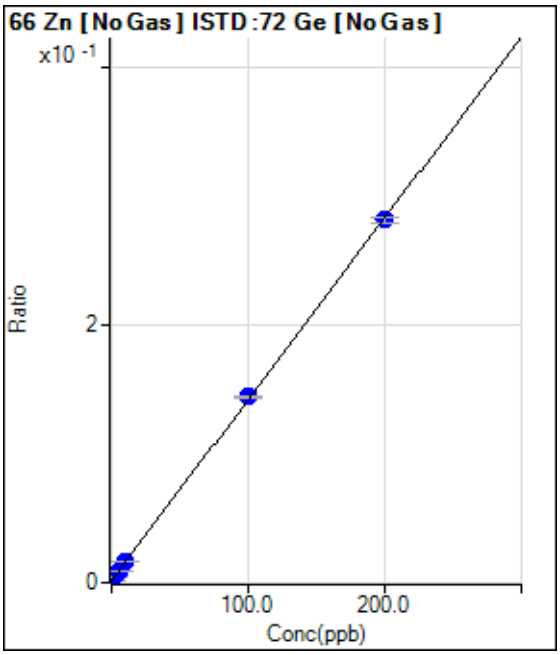
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	760.04	0.0007	P	12.4
2	☐	2.000	2.175	19107.10	0.0185	P	1.4
3	☐	5.000	5.351	46633.37	0.0445	P	2.5
4	☐	10.000	10.477	91221.55	0.0865	P	2.7
5	☐	100.000	102.458	859174.15	0.8392	P	1.0
6	☐	200.000	198.737	1607572.01	1.6271	A	1.6

y = 0.0082 * x + 7.2630E-004
R = 0.9999
DL = 0.03288
BEC = 0.08875

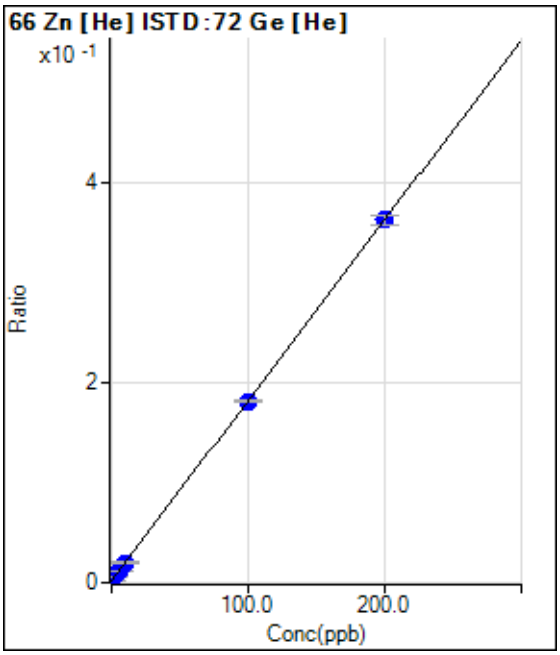
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5784.70	0.0017	P	2.4
2	☐	2.000	2.205	16703.78	0.0047	P	3.5
3	☐	5.000	5.373	32268.83	0.0092	P	1.9
4	☐	10.000	10.465	57789.59	0.0163	P	1.3
5	☐	100.000	101.673	502463.82	0.1444	P	1.3
6	☐	200.000	199.129	952012.04	0.2812	P	1.3

y = 0.0014 * x + 0.0017
R = 1.0000
DL = 0.08331
BEC = 1.176

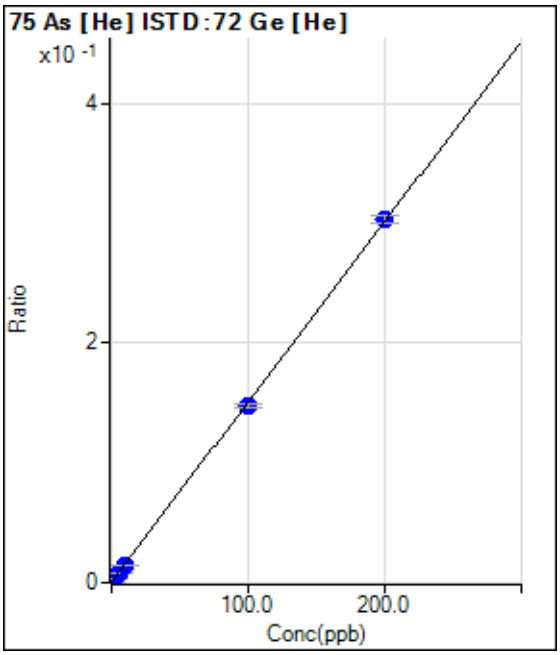
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2346.92	0.0022	P	18.1
2	☐	2.000	2.073	6154.84	0.0060	P	5.1
3	☐	5.000	4.856	11501.71	0.0110	P	1.5
4	☐	10.000	9.880	21116.69	0.0200	P	2.3
5	☐	100.000	99.585	185701.46	0.1814	P	1.5
6	☐	200.000	200.216	358035.20	0.3624	P	2.7

y = 0.0018 * x + 0.0022
R = 1.0000
DL = 0.6776
BEC = 1.245

Weight: <None>
Min Conc: <None>

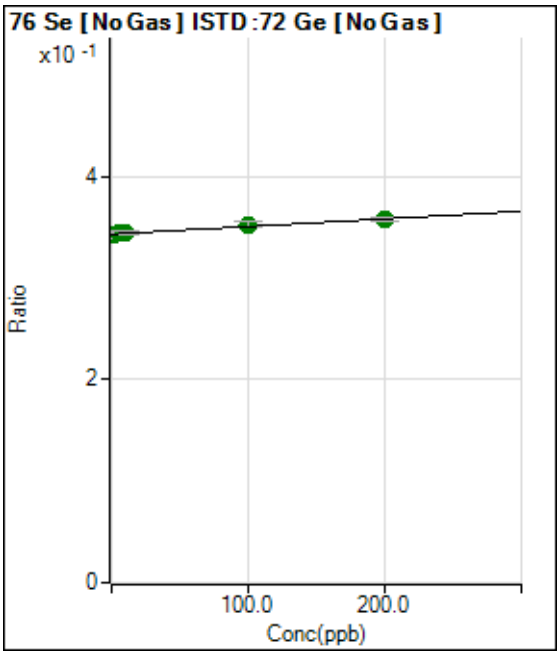


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	362.23	0.0003	P	12.5
2	☐	2.000	2.061	3553.82	0.0034	P	2.5
3	☐	5.000	4.937	8133.59	0.0078	P	4.6
4	☐	10.000	9.649	15661.35	0.0148	P	4.1
5	☐	100.000	97.962	151109.57	0.1476	P	1.2
6	☐	200.000	201.038	298877.43	0.3025	P	2.2

y = 0.0015 * x + 3.4606E-004
R = 0.9999
DL = 0.08658
BEC = 0.2302

Weight: <None>
Min Conc: <None>

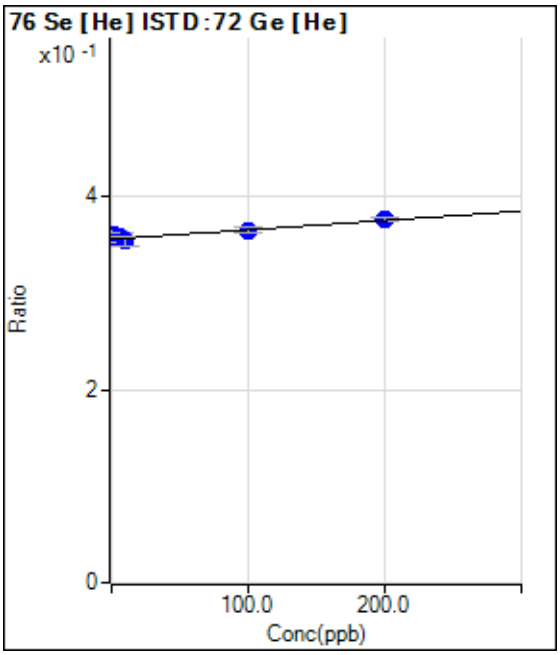
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1203272.79	0.3434	A	1.8
2	☐	2.000	-7.514	1206521.05	0.3429	A	1.8
3	☐	5.000	8.355	1207511.47	0.3441	A	0.9
4	☐	10.000	20.442	1219730.01	0.3450	A	1.0
5	☐	100.000	128.068	1228593.86	0.3531	A	1.6
6	☐	200.000	185.455	1209802.79	0.3574	A	1.1

y = 7.5181E-005 * x + 0.3434
R = 0.9825
DL = 252.7
BEC = 4568

Weight: <None>
Min Conc: <None>

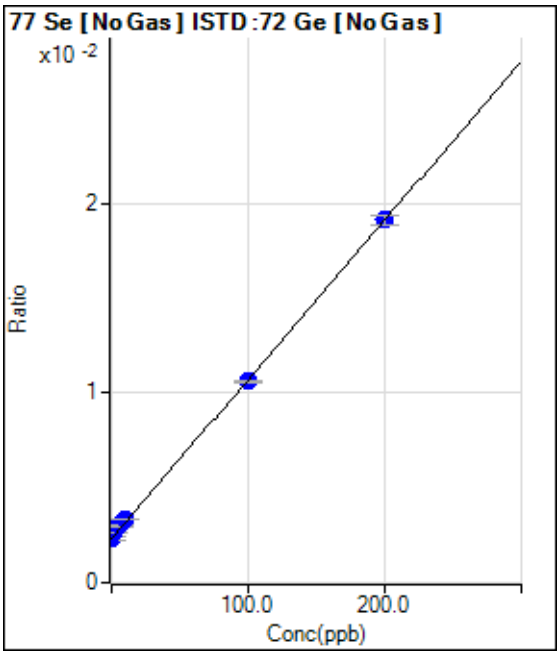


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	372852.99	0.3561	P	1.9
2	☐	2.000	44.300	371649.23	0.3604	P	2.0
3	☐	5.000	19.301	374905.07	0.3580	P	2.4
4	☐	10.000	-22.571	373332.78	0.3539	P	2.5
5	☐	100.000	90.883	373572.32	0.3649	P	1.7
6	☐	200.000	205.406	371501.86	0.3760	P	1.1

y = 9.7034E-005 * x + 0.3561
R = 0.9543
DL = 204.5
BEC = 3670

Weight: <None>
Min Conc: <None>

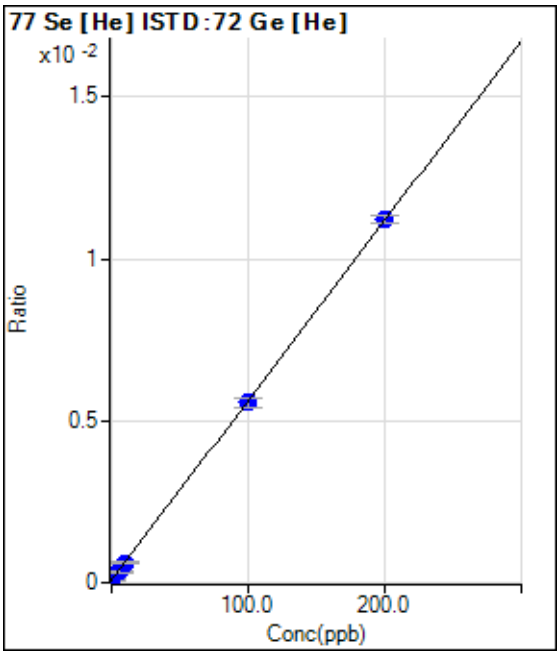
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8145.95	0.0023	P	7.1
2	☐	2.000	3.728	9280.03	0.0026	P	3.3
3	☐	5.000	8.122	10550.94	0.0030	P	3.4
4	☐	10.000	12.606	11962.18	0.0034	P	0.5
5	☐	100.000	99.044	37044.60	0.0106	P	1.0
6	☐	200.000	200.252	64818.84	0.0192	P	2.5

y = 8.4031E-005 * x + 0.0023
R = 0.9999
DL = 5.892
BEC = 27.65

Weight: <None>
Min Conc: <None>

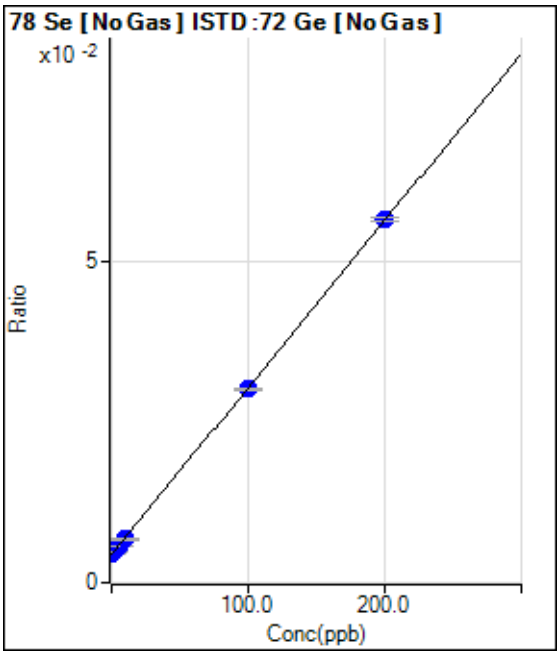


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	80.00	0.0001	P	37.3
2	☐	2.000	2.818	240.01	0.0002	P	4.5
3	☐	5.000	4.770	356.68	0.0003	P	17.2
4	☐	10.000	9.730	650.03	0.0006	P	9.1
5	☐	100.000	99.134	5711.33	0.0056	P	5.3
6	☐	200.000	200.444	11071.35	0.0112	P	2.3

y = 5.5511E-005 * x + 7.6314E-005
R = 1.0000
DL = 1.537
BEC = 1.375

Weight: <None>
Min Conc: <None>

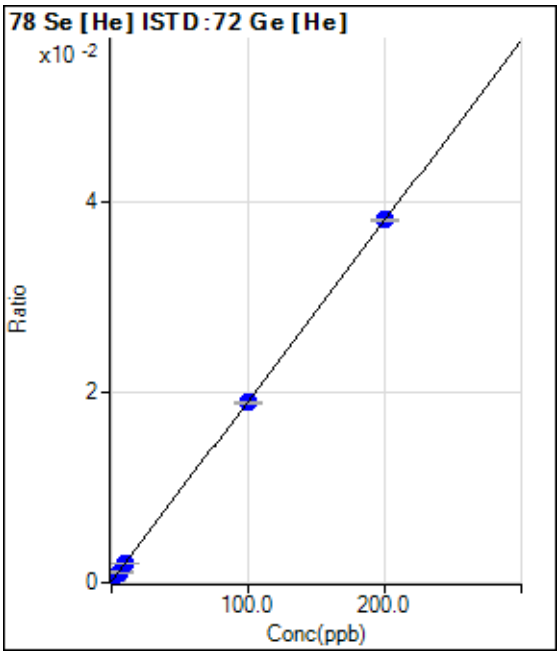
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	15425.81	0.0044	P	0.7
2	☐	2.000	1.774	17104.39	0.0049	P	5.2
3	☐	5.000	4.831	19854.93	0.0057	P	0.3
4	☐	10.000	9.018	23848.10	0.0067	P	2.4
5	☐	100.000	99.086	104866.54	0.0301	P	1.6
6	☐	200.000	200.513	191218.27	0.0565	P	0.9

y = 2.5973E-004 * x + 0.0044
R = 1.0000
DL = 0.3498
BEC = 16.95

Weight: <None>
Min Conc: <None>

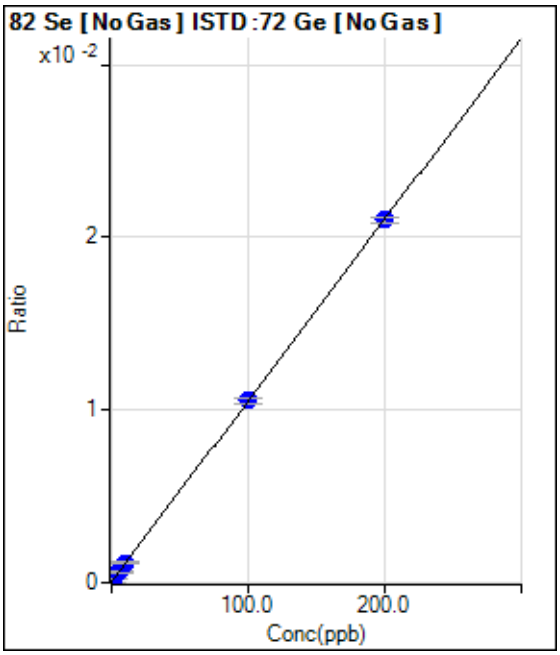


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	176.00	0.0002	P	3.1
2	☐	2.000	1.908	546.01	0.0005	P	7.2
3	☐	5.000	4.854	1138.72	0.0011	P	6.0
4	☐	10.000	9.790	2133.51	0.0020	P	5.0
5	☐	100.000	99.191	19415.28	0.0190	P	0.8
6	☐	200.000	200.419	37685.13	0.0381	P	0.7

y = 1.8947E-004 * x + 1.6806E-004
R = 1.0000
DL = 0.08204
BEC = 0.887

Weight: <None>
Min Conc: <None>

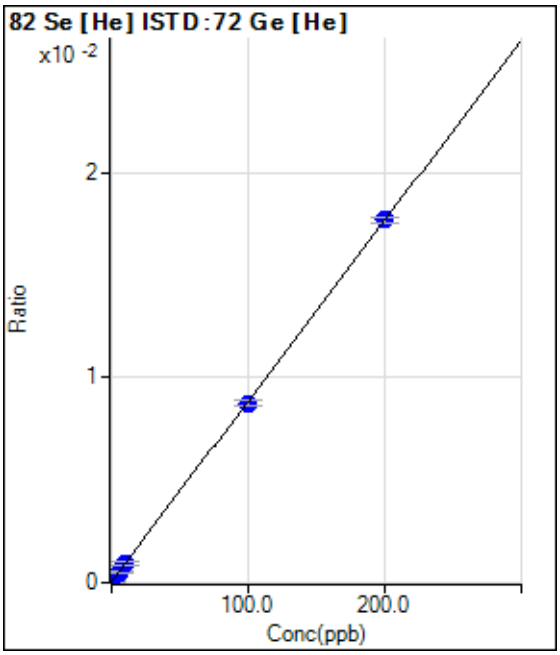
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	178.42	0.0001	P	6.5
2	☐	2.000	1.935	891.45	0.0003	P	15.1
3	☐	5.000	5.355	2149.11	0.0006	P	0.5
4	☐	10.000	10.604	4109.18	0.0012	P	7.5
5	☐	100.000	100.155	36705.97	0.0105	P	3.3
6	☐	200.000	199.884	71097.21	0.0210	P	1.7

y = 1.0482E-004 * x + 5.0940E-005
R = 1.0000
DL = 0.09523
BEC = 0.486

Weight: <None>
Min Conc: <None>

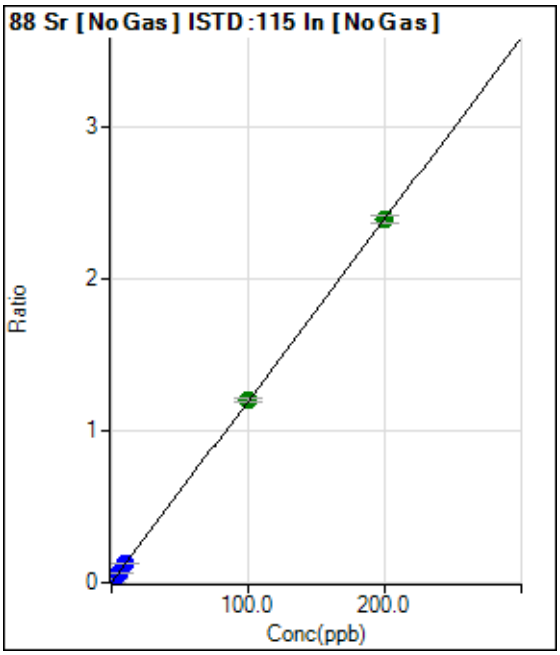


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	46.67	0.0000	P	75.8
2	☐	2.000	2.725	293.35	0.0003	P	34.8
3	☐	5.000	5.238	530.02	0.0005	P	13.3
4	☐	10.000	9.908	966.72	0.0009	P	21.6
5	☐	100.000	99.082	8979.88	0.0088	P	3.9
6	☐	200.000	200.450	17481.62	0.0177	P	1.8

y = 8.8045E-005 * x + 4.4651E-005
R = 1.0000
DL = 1.153
BEC = 0.5071

Weight: <None>
Min Conc: <None>

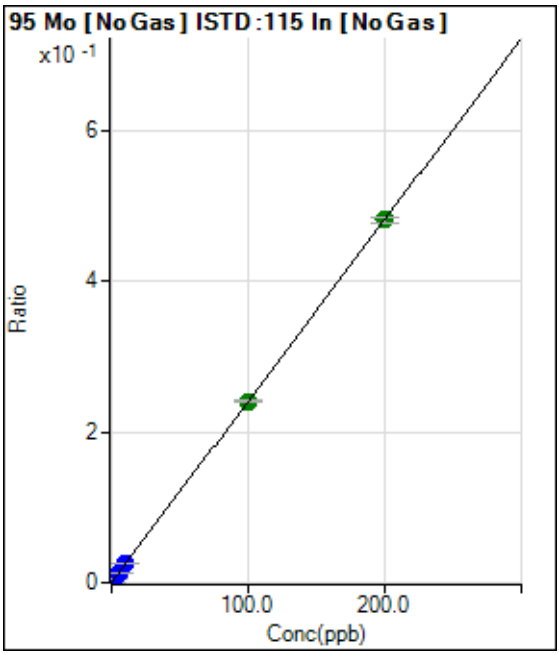
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5677.96	0.0014	P	6.0
2	☐	2.000	2.093	108080.62	0.0264	P	1.7
3	☐	5.000	5.397	270370.09	0.0658	P	1.1
4	☐	10.000	10.719	529870.49	0.1294	P	2.8
5	☐	100.000	100.465	4828903.37	1.2011	A	1.9
6	☐	200.000	199.721	9328614.86	2.3863	A	2.2

y = 0.0119 * x + 0.0014
R = 1.0000
DL = 0.02094
BEC = 0.116

Weight: <None>
Min Conc: <None>

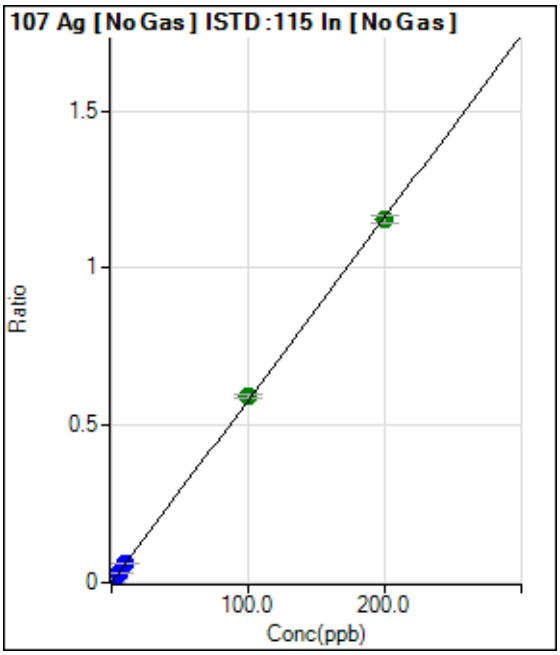


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1046.73	0.0003	P	9.2
2	☐	2.000	2.094	21674.51	0.0053	P	3.7
3	☐	5.000	5.126	51687.12	0.0126	P	1.6
4	☐	10.000	10.198	101504.74	0.0248	P	3.2
5	☐	100.000	99.890	966998.32	0.2405	A	1.6
6	☐	200.000	200.041	1882345.39	0.4814	A	1.9

y = 0.0024 * x + 2.5544E-004
R = 1.0000
DL = 0.0294
BEC = 0.1062

Weight: <None>
Min Conc: <None>

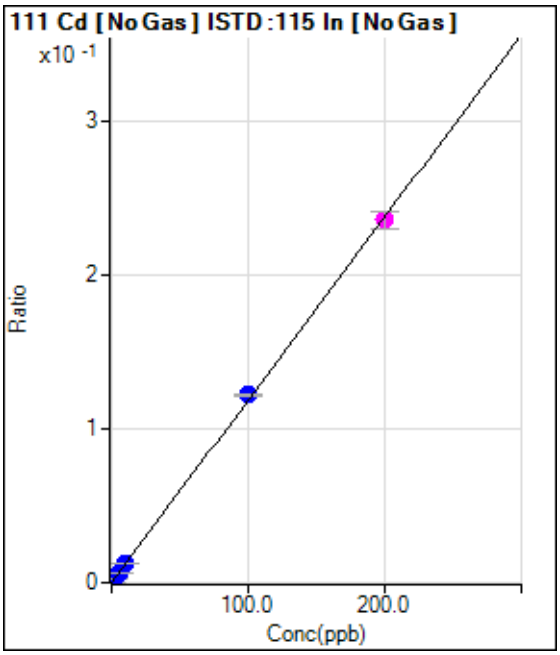
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	180.00	0.0000	P	32.9
2	☐	2.000	2.165	51630.75	0.0126	P	2.6
3	☐	5.000	5.507	131357.59	0.0320	P	2.0
4	☐	10.000	10.936	260047.08	0.0635	P	1.8
5	☐	100.000	102.289	2385773.61	0.5934	A	1.7
6	☐	200.000	198.795	4507980.14	1.1532	A	2.1

y = 0.0058 * x + 4.3732E-005
R = 0.9999
DL = 0.007438
BEC = 0.007539

Weight: <None>
Min Conc: <None>

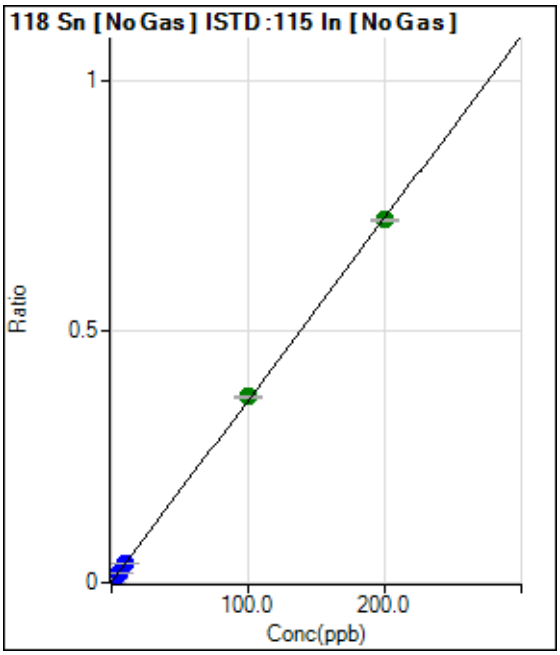


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	-30.07	0.0000	P	-144.5
2	☐	2.000	1.976	9565.29	0.0023	P	3.2
3	☐	5.000	5.191	25247.68	0.0061	P	1.1
4	☐	10.000	10.380	50388.80	0.0123	P	3.3
5	☐	100.000	102.688	489474.05	0.1217	P	0.8
6	☐	200.000	198.633	920275.06	0.2355	M	5.0

y = 0.0012 * x - 7.3568E-006
R = 0.9999
DL = 0.0269
BEC = -0.006205

Weight: <None>
Min Conc: <None>

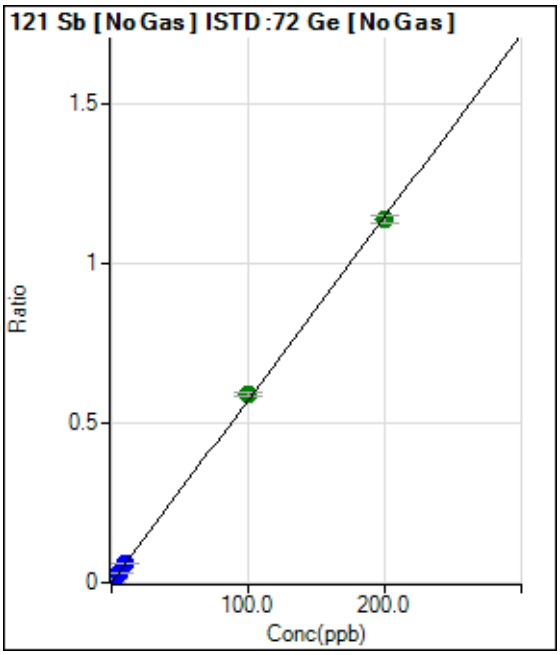
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2413.61	0.0006	P	3.1
2	☐	2.000	2.047	32808.16	0.0080	P	4.7
3	☐	5.000	5.244	80509.22	0.0196	P	3.0
4	☐	10.000	10.427	157300.16	0.0384	P	1.0
5	☐	100.000	101.819	1486794.09	0.3698	A	1.4
6	☐	200.000	199.063	2824391.52	0.7224	A	0.7

y = 0.0036 * x + 5.8849E-004
R = 0.9999
DL = 0.0151
BEC = 0.1623

Weight: <None>
Min Conc: <None>

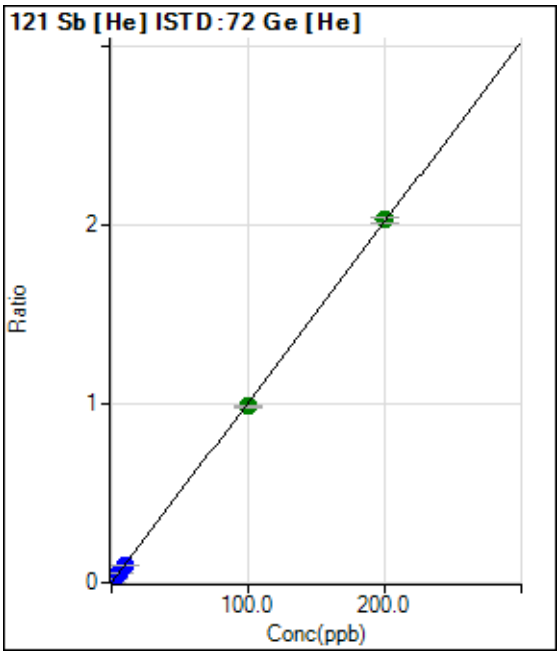


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	360.01	0.0001	P	17.4
2	☐	2.000	2.112	42820.20	0.0122	P	1.9
3	☐	5.000	5.358	107844.20	0.0307	P	2.0
4	☐	10.000	10.514	212836.13	0.0602	P	0.3
5	☐	100.000	102.825	2045242.84	0.5878	A	1.9
6	☐	200.000	198.552	3841967.96	1.1349	A	1.9

y = 0.0057 * x + 1.0275E-004
R = 0.9999
DL = 0.009359
BEC = 0.01798

Weight: <None>
Min Conc: <None>

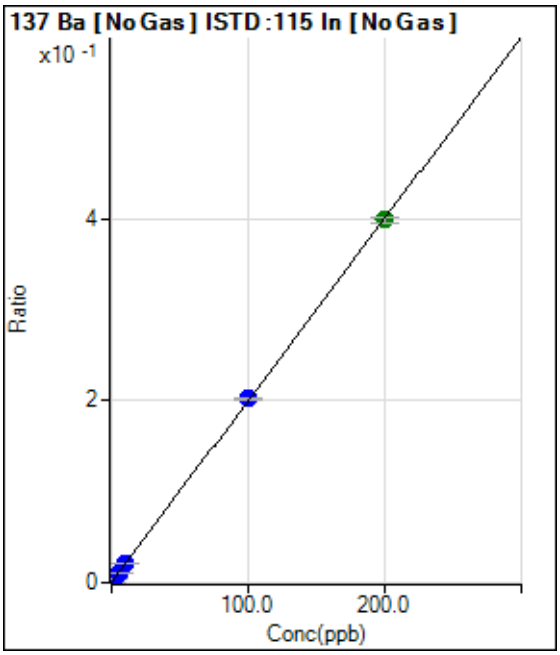
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	153.34	0.0001	P	25.5
2	☐	2.000	1.950	20416.23	0.0198	P	2.7
3	☐	5.000	4.951	52431.77	0.0501	P	2.7
4	☐	10.000	9.585	102065.24	0.0968	P	3.2
5	☐	100.000	97.719	1008612.41	0.9852	A	1.1
6	☐	200.000	201.163	2003433.36	2.0279	A	1.7

y = 0.0101 * x + 1.4623E-004
R = 0.9999
DL = 0.01109
BEC = 0.01451

Weight: <None>
Min Conc: <None>

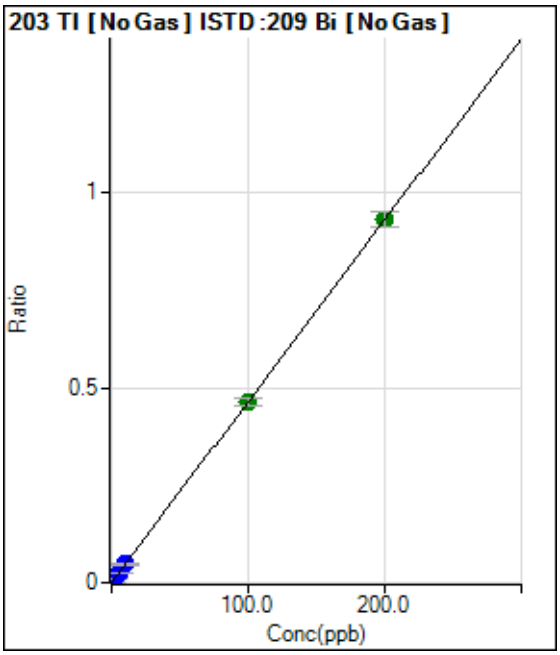


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1323.43	0.0003	P	10.6
2	☐	2.000	2.010	17769.03	0.0043	P	4.5
3	☐	5.000	5.171	43743.75	0.0107	P	2.5
4	☐	10.000	10.237	85091.18	0.0208	P	1.9
5	☐	100.000	101.158	813727.10	0.2024	P	0.7
6	☐	200.000	199.405	1558622.63	0.3986	A	1.2

y = 0.0020 * x + 3.2294E-004
R = 1.0000
DL = 0.05162
BEC = 0.1617

Weight: <None>
Min Conc: <None>

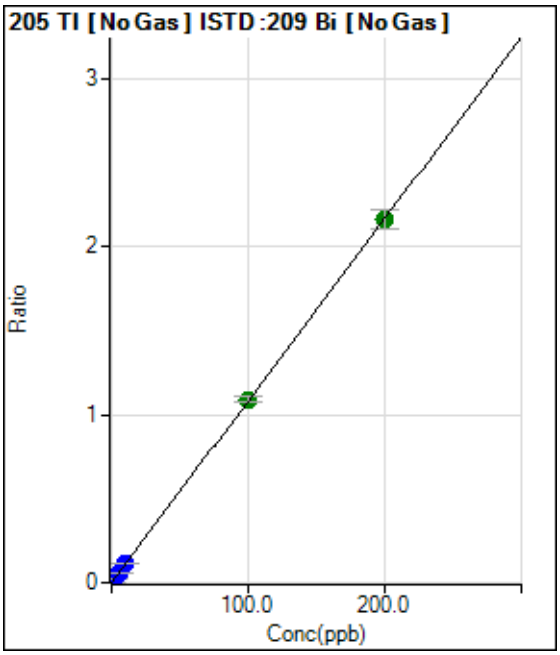
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	143.33	0.0000	P	14.1
2	☐	2.000	1.996	32943.90	0.0093	P	5.9
3	☐	5.000	5.060	83498.63	0.0235	P	5.9
4	☐	10.000	10.075	166125.37	0.0468	P	4.6
5	☐	100.000	99.498	1601183.99	0.4619	A	4.4
6	☐	200.000	200.246	3101444.75	0.9296	A	4.3

y = 0.0046 * x + 4.1066E-005
R = 1.0000
DL = 0.003755
BEC = 0.008846

Weight: <None>
Min Conc: <None>

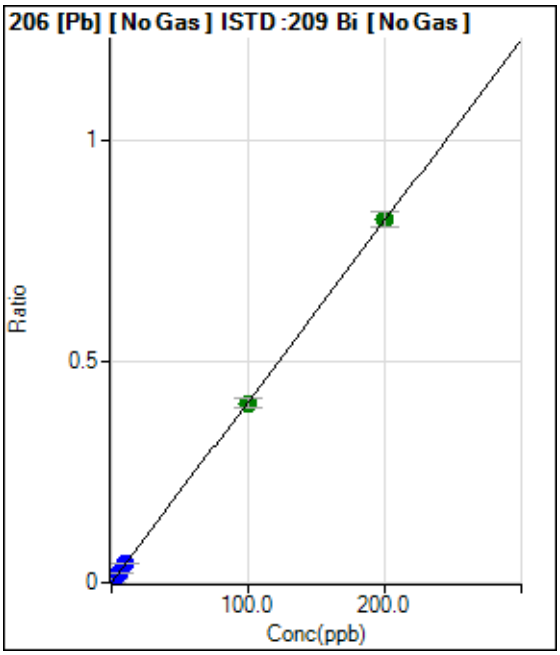


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	386.68	0.0001	P	10.5
2	☐	2.000	2.038	78503.53	0.0222	P	6.3
3	☐	5.000	5.210	200661.95	0.0565	P	5.4
4	☐	10.000	10.271	395273.77	0.1114	P	4.1
5	☐	100.000	100.888	3788253.90	1.0929	A	3.9
6	☐	200.000	199.537	7209769.68	2.1614	A	5.4

y = 0.0108 * x + 1.1089E-004
R = 1.0000
DL = 0.003219
BEC = 0.01024

Weight: <None>
Min Conc: <None>

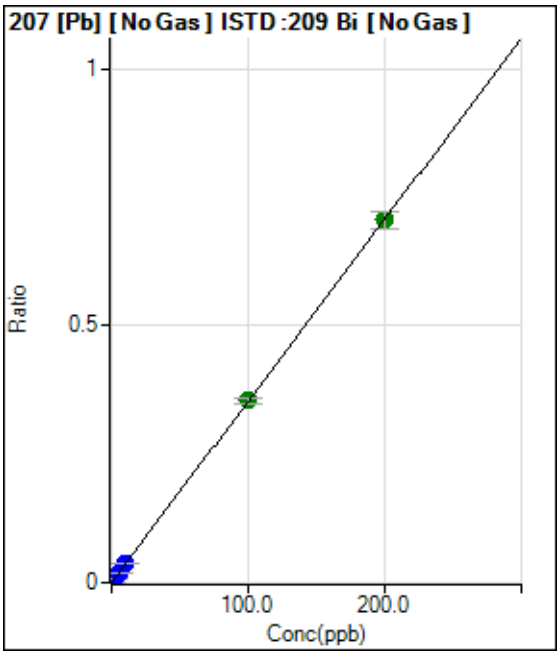
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	436.69	0.0001	P	12.9
2	☐	2.000	2.056	30257.15	0.0085	P	5.8
3	☐	5.000	5.259	76923.32	0.0217	P	4.6
4	☐	10.000	10.430	152068.80	0.0429	P	4.8
5	☐	100.000	99.054	1406781.33	0.4059	A	5.3
6	☐	200.000	200.444	2739896.00	0.8213	A	4.4

y = 0.0041 * x + 1.2530E-004
R = 1.0000
DL = 0.01188
BEC = 0.03059

Weight: <None>
Min Conc: <None>

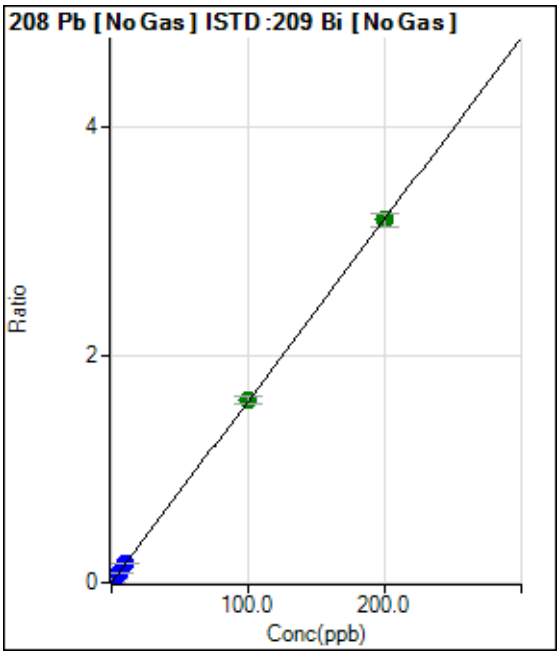


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	283.34	0.0001	P	22.4
2	☐	2.000	2.057	25984.04	0.0073	P	5.4
3	☐	5.000	5.236	65870.84	0.0186	P	5.4
4	☐	10.000	10.397	130494.83	0.0368	P	5.0
5	☐	100.000	100.173	1225786.83	0.3536	A	4.0
6	☐	200.000	199.887	2353871.27	0.7055	A	4.5

y = 0.0035 * x + 8.1364E-005
R = 1.0000
DL = 0.01548
BEC = 0.02305

Weight: <None>
Min Conc: <None>

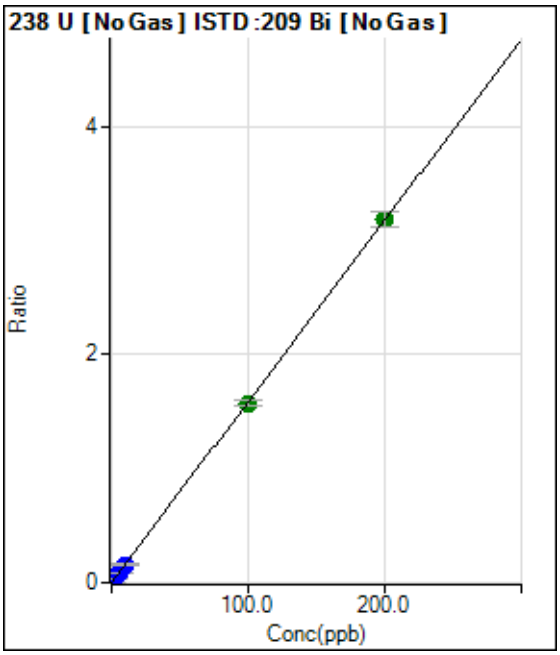
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1466.73	0.0004	P	8.1
2	☐	2.000	2.085	119257.66	0.0337	P	5.7
3	☐	5.000	5.326	303224.70	0.0854	P	5.3
4	☐	10.000	10.553	599281.09	0.1689	P	4.7
5	☐	100.000	100.613	5568178.95	1.6064	A	4.1
6	☐	200.000	199.657	10635069.27	3.1873	A	3.7

y = 0.0160 * x + 4.2069E-004
R = 1.0000
DL = 0.006413
BEC = 0.02636

Weight: <None>
Min Conc: <None>

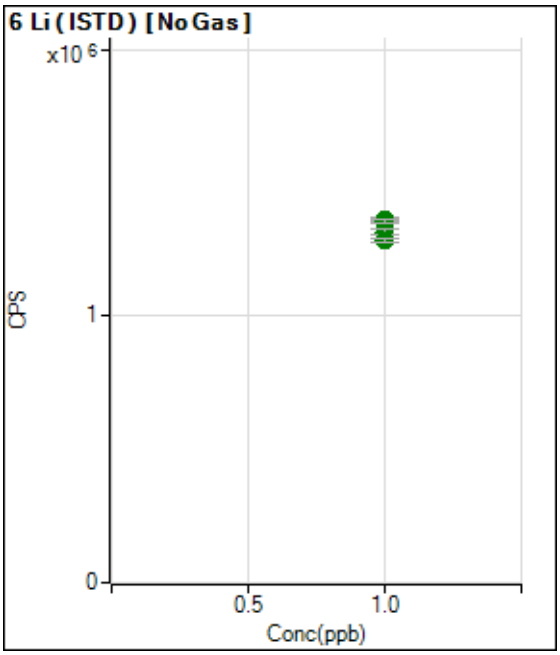


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	103.33	0.0000	P	40.7
2	☐	2.000	2.020	113664.69	0.0321	P	5.5
3	☐	5.000	5.045	284507.46	0.0802	P	5.2
4	☐	10.000	10.056	566819.00	0.1598	P	5.7
5	☐	100.000	99.227	5463864.92	1.5760	A	2.6
6	☐	200.000	200.382	10618581.30	3.1827	A	4.2

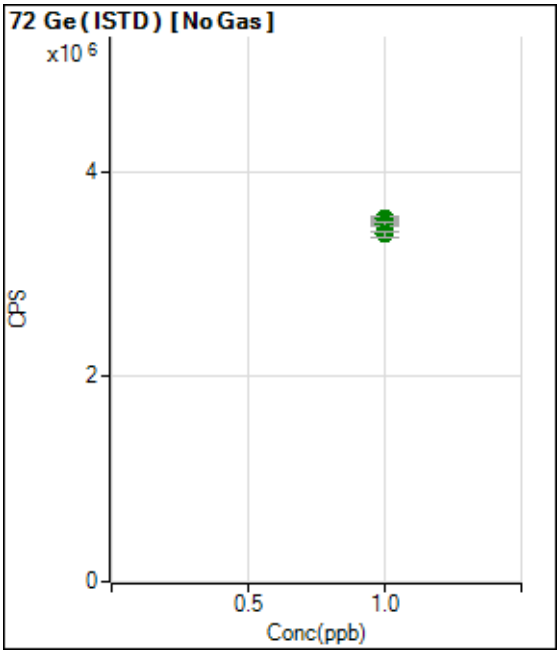
y = 0.0159 * x + 2.9635E-005
R = 1.0000
DL = 0.002278
BEC = 0.001866

Weight: <None>
Min Conc: <None>

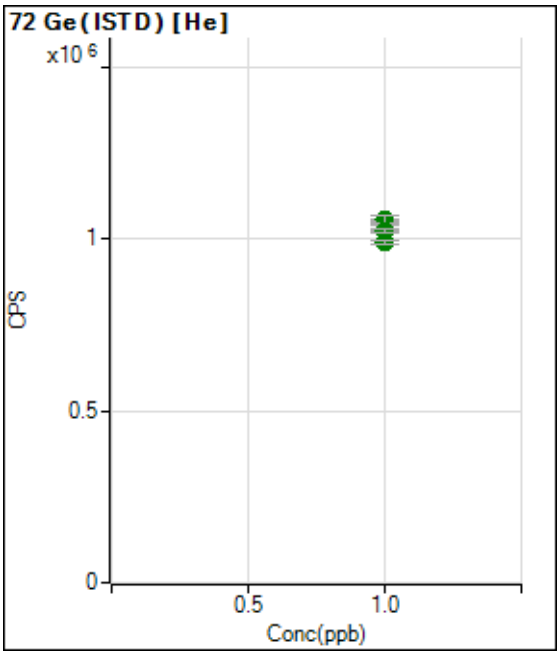
Calibration for 329_ICV.d



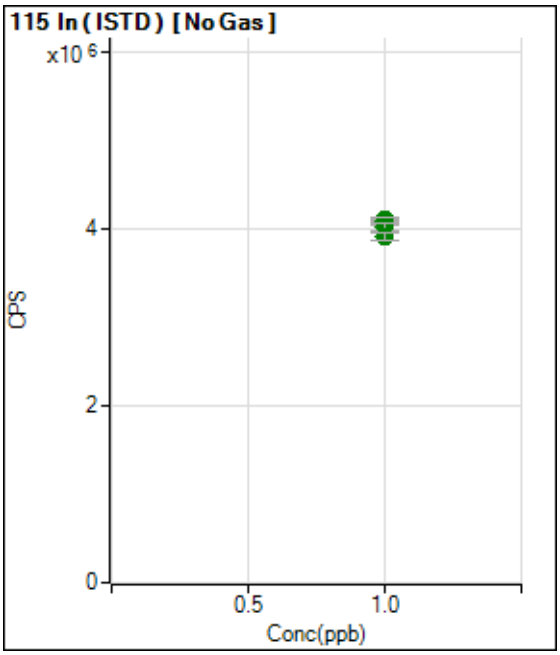
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1347953.42		A	0.4
2	☐	1.000		1354643.78		A	0.6
3	☐	1.000		1360235.83		A	1.8
4	☐	1.000		1356045.90		A	1.0
5	☐	1.000		1313726.26		A	1.5
6	☐	1.000		1280788.48		A	1.2



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3504067.86		A	1.0
2	☐	1.000		3518809.95		A	1.7
3	☐	1.000		3509814.95		A	1.2
4	☐	1.000		3536168.28		A	1.8
5	☐	1.000		3479762.34		A	1.1
6	☐	1.000		3385346.51		A	1.3

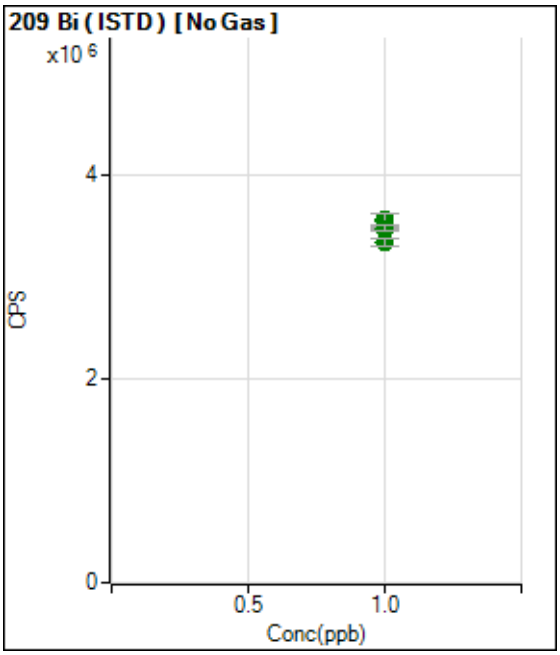


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1047185.69		A	0.9
2	☐	1.000		1031461.13		A	1.6
3	☐	1.000		1047637.25		A	1.8
4	☐	1.000		1055297.87		A	2.2
5	☐	1.000		1023848.34		A	1.1
6	☐	1.000		988065.04		A	1.2



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4101194.70		A	1.7
2	☐	1.000		4097281.46		A	1.8
3	☐	1.000		4106824.68		A	0.2
4	☐	1.000		4096853.47		A	2.3
5	☐	1.000		4020928.37		A	2.3
6	☐	1.000		3910312.10		A	2.2

Calibration for 329_ICV.d



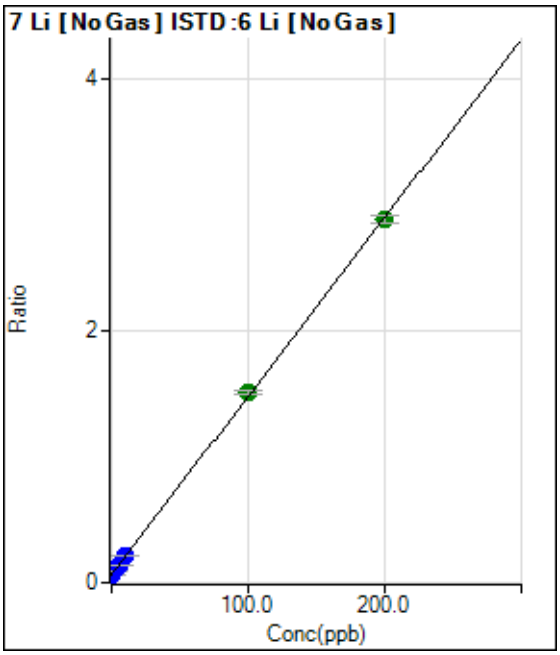
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3488916.72		A	1.3
2	☐	1.000		3543894.32		A	3.7
3	☐	1.000		3554045.67		A	3.8
4	☐	1.000		3552677.03		A	3.4
5	☐	1.000		3467796.41		A	1.7
6	☐	1.000		3338621.93		A	2.5

Calibration for 026_ICV.d

Batch Folder: C:\Agilent\ICPMH\1\DATA\062023A.b\
Analysis File: 062023A.batch.bin
DA Date-Time: 6/20/2023 12:11:32 PM
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	019CALB.d	CAL BLK	6/20/2023 10:07:53 AM
2	020CALS.d	2/10/200	6/20/2023 10:09:49 AM
3	021CALS.d	5/25/500	6/20/2023 10:11:44 AM
4	022CALS.d	10/50/100	6/20/2023 10:13:38 AM
5	023CALS.d	100/500/10K	6/20/2023 10:15:32 AM
6	024CALS.d	200/1000/20K	6/20/2023 10:17:20 AM

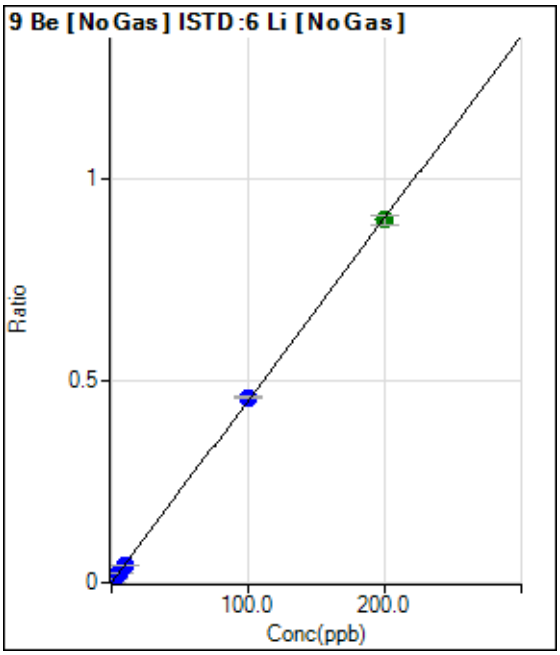
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	85197.48	0.0643	P	1.2
2	☐	2.000	2.076	121553.72	0.0936	P	2.1
3	☐	5.000	5.267	177273.45	0.1388	P	1.0
4	☐	10.000	10.474	275253.24	0.2125	P	3.0
5	☐	100.000	102.216	1863802.84	1.5112	A	1.5
6	☐	200.000	198.861	3485725.16	2.8792	A	2.3

y = 0.0142 * x + 0.0643
R = 0.9999
DL = 0.1672
BEC = 4.54

Weight: <None>
Min Conc: <None>

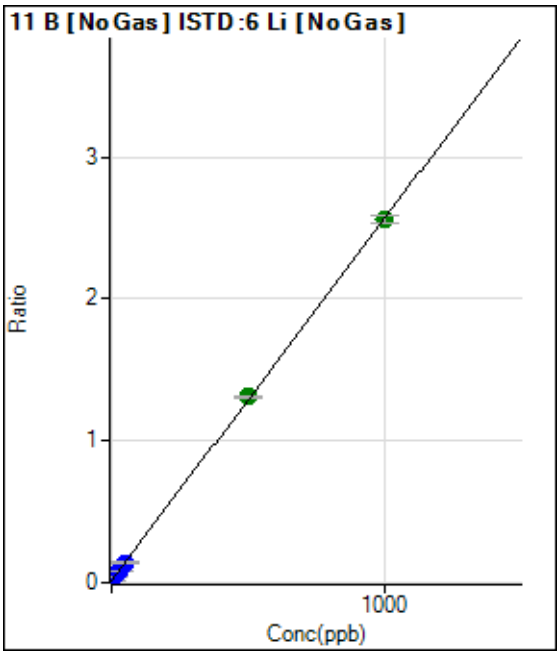


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	60.00	0.0000	P	15.1
2	☐	2.000	2.004	11781.66	0.0091	P	3.0
3	☐	5.000	5.055	29140.26	0.0228	P	3.7
4	☐	10.000	9.806	57271.14	0.0442	P	3.9
5	☐	100.000	101.757	565627.31	0.4586	P	0.4
6	☐	200.000	199.130	1086648.97	0.8973	A	2.4

y = 0.0045 * x + 4.5187E-005
R = 0.9999
DL = 0.004549
BEC = 0.01003

Weight: <None>
Min Conc: <None>

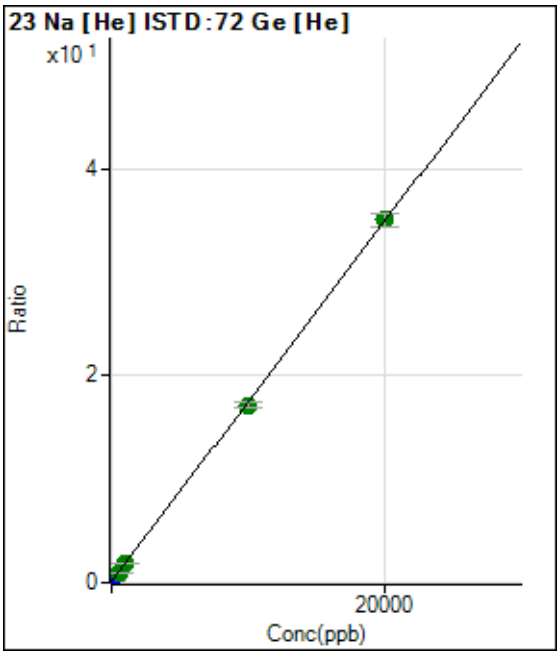
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	19830.69	0.0150	P	0.9
2	☐	10.000	9.652	51373.72	0.0396	P	2.6
3	☐	25.000	24.847	100000.34	0.0783	P	3.8
4	☐	50.000	49.345	182291.56	0.1408	P	5.3
5	☐	500.000	507.081	1614097.21	1.3085	A	0.5
6	☐	1000.000	996.500	3096618.81	2.5571	A	2.2

y = 0.0026 * x + 0.0150
R = 1.0000
DL = 0.1557
BEC = 5.863

Weight: <None>
Min Conc: <None>

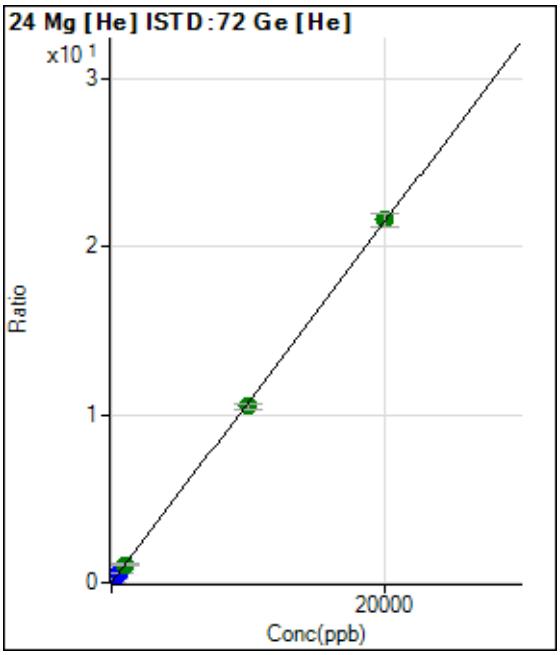


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	110343.30	0.1011	P	1.6
2	☐	200.000	214.217	506930.60	0.4736	P	2.2
3	☐	500.000	505.181	1051892.79	0.9795	A	3.0
4	☐	1000.000	997.970	1945980.13	1.8364	A	3.0
5	☐	10000.00	9810.103	17705795.15	17.1593	A	3.1
6	☐	20000.00	20094.77	34971765.31	35.0428	A	3.4

y = 0.0017 * x + 0.1011
R = 0.9999
DL = 2.763
BEC = 58.15

Weight: <None>
Min Conc: <None>

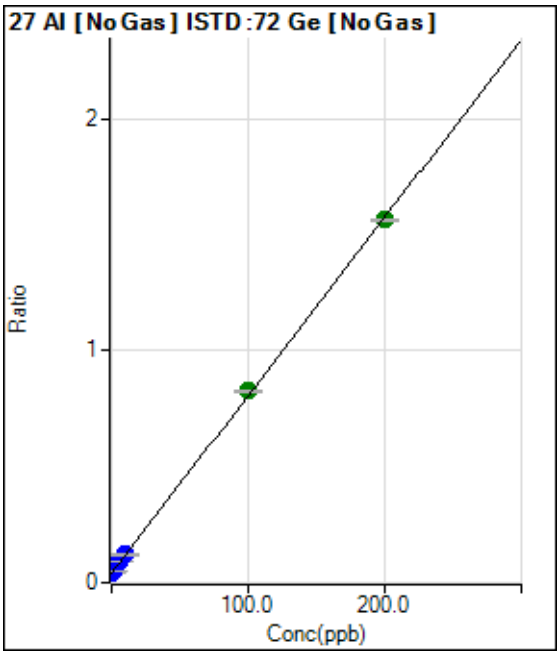
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1663.46	0.0015	P	11.5
2	☐	200.000	211.531	244782.00	0.2287	P	2.7
3	☐	500.000	520.850	602390.93	0.5609	P	1.2
4	☐	1000.000	999.593	1138734.18	1.0750	A	5.0
5	☐	10000.00	9763.028	10819547.76	10.4861	A	3.1
6	☐	20000.00	20117.87	21562500.51	21.6062	A	3.4

y = 0.0011 * x + 0.0015
R = 0.9999
DL = 0.4905
BEC = 1.418

Weight: <None>
Min Conc: <None>

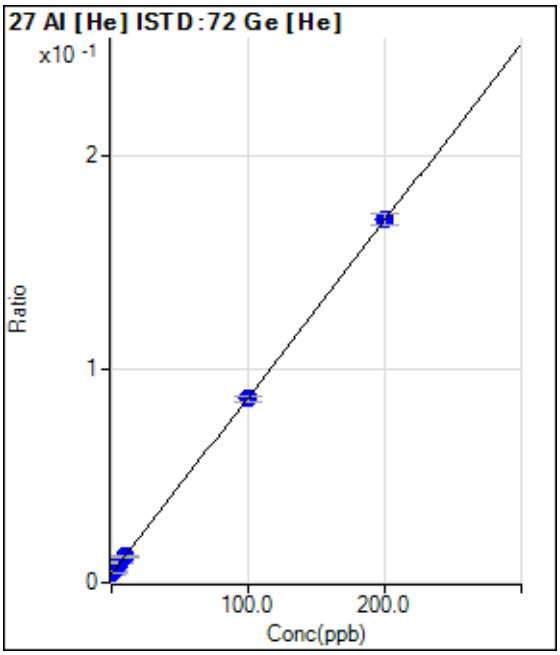


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	128728.27	0.0408	P	2.3
2	☐	2.000	1.366	160725.08	0.0512	P	2.3
3	☐	5.000	6.527	278566.74	0.0908	P	3.1
4	☐	10.000	10.469	373436.99	0.1210	P	3.9
5	☐	100.000	102.352	2508530.12	0.8252	A	1.1
6	☐	200.000	198.769	4689638.78	1.5641	A	0.7

y = 0.0077 * x + 0.0408
R = 0.9999
DL = 0.3718
BEC = 5.317

Weight: <None>
Min Conc: <None>

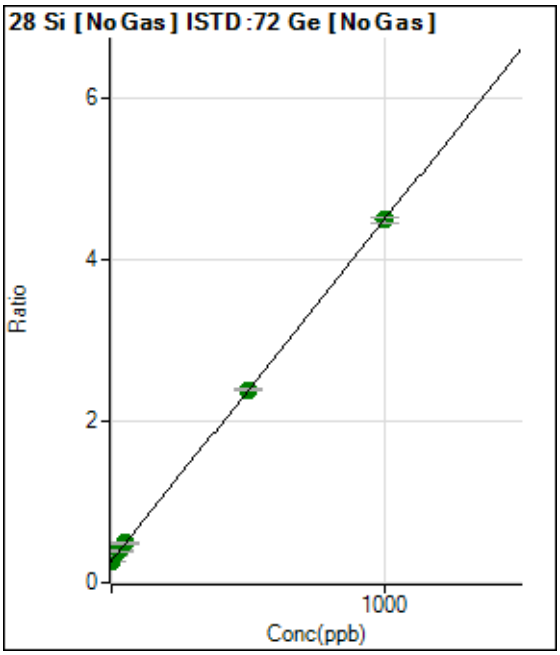
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4444.11	0.0041	P	3.0
2	☐	2.000	1.096	5331.12	0.0050	P	1.7
3	☐	5.000	6.207	9890.39	0.0092	P	7.7
4	☐	10.000	9.992	13083.02	0.0123	P	5.9
5	☐	100.000	99.132	88943.35	0.0862	P	2.7
6	☐	200.000	200.413	169776.60	0.1701	P	3.3

y = 8.2840E-004 * x + 0.0041
R = 1.0000
DL = 0.4412
BEC = 4.916

Weight: <None>
Min Conc: <None>

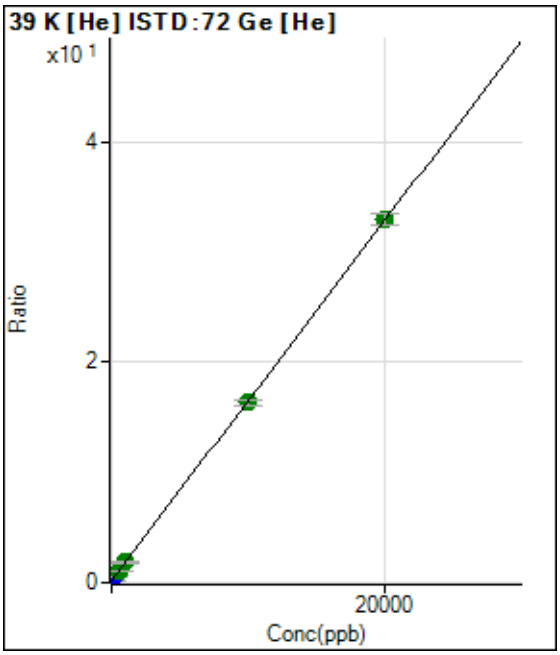


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	853658.42	0.2702	A	1.9
2	☐	10.000	12.254	1010504.36	0.3220	A	0.4
3	☐	25.000	29.071	1206423.91	0.3930	A	2.3
4	☐	50.000	52.481	1518345.60	0.4919	A	3.2
5	☐	500.000	501.387	7258744.48	2.3878	A	1.2
6	☐	1000.000	999.058	13457271.88	4.4897	A	1.6

y = 0.0042 * x + 0.2702
R = 1.0000
DL = 3.581
BEC = 63.98

Weight: <None>
Min Conc: <None>

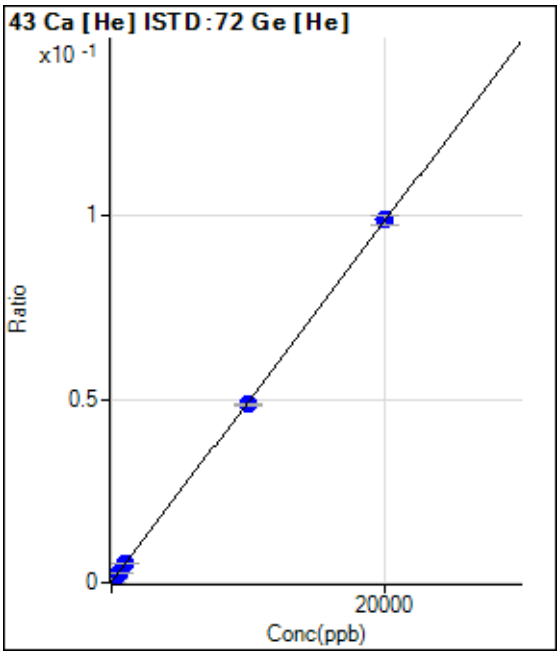
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	213297.46	0.1955	P	1.4
2	☐	200.000	210.641	577395.09	0.5394	P	2.3
3	☐	500.000	504.106	1094095.11	1.0187	A	1.8
4	☐	1000.000	1004.271	1944736.38	1.8355	A	3.6
5	☐	10000.00	9887.358	16862576.83	16.3422	A	2.9
6	☐	20000.00	20055.89	32885248.68	32.9482	A	3.1

y = 0.0016 * x + 0.1955
R = 1.0000
DL = 5.143
BEC = 119.7

Weight: <None>
Min Conc: <None>

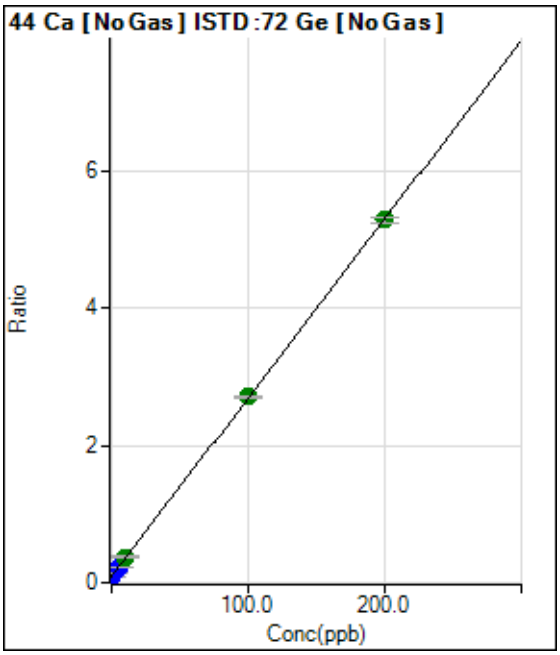


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	133.33	0.0001	P	17.9
2	☐	200.000	209.162	1233.41	0.0012	P	2.4
3	☐	500.000	481.167	2677.00	0.0025	P	4.8
4	☐	1000.000	1026.928	5487.86	0.0052	P	3.1
5	☐	10000.00	9845.744	50175.02	0.0486	P	1.1
6	☐	20000.00	20076.16	98793.49	0.0990	P	2.7

y = 4.9241E-006 * x + 1.2204E-004
R = 1.0000
DL = 13.33
BEC = 24.78

Weight: <None>
Min Conc: <None>

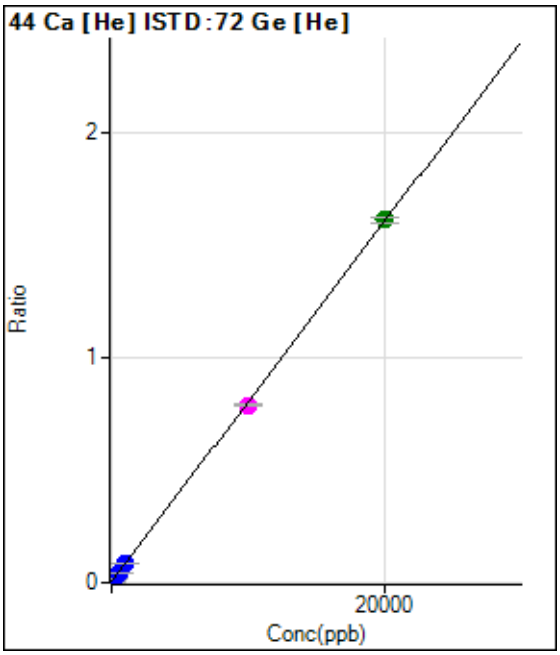
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	284480.11	0.0901	P	2.0
2	☐	2.000	2.183	460683.33	0.1468	P	1.4
3	☐	5.000	5.525	717034.39	0.2337	P	3.6
4	☐	10.000	11.011	1161744.67	0.3762	A	1.7
5	☐	100.000	100.545	8217776.54	2.7033	A	0.8
6	☐	200.000	199.662	15826472.26	5.2795	A	1.6

y = 0.0260 * x + 0.0901
R = 1.0000
DL = 0.2073
BEC = 3.465

Weight: <None>
Min Conc: <None>

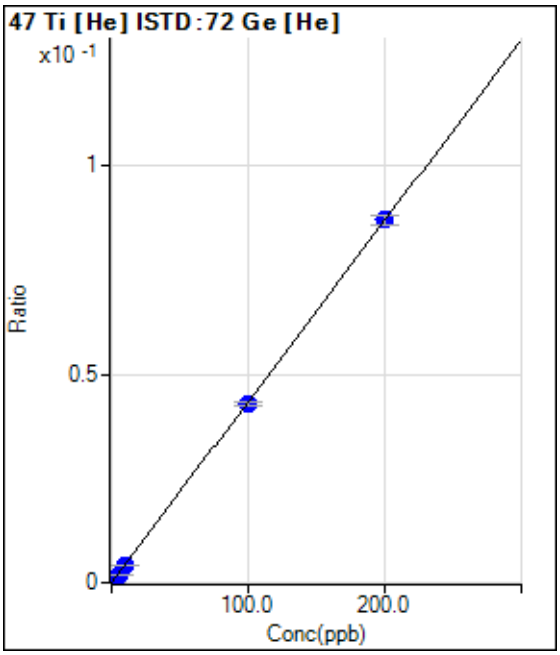


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4790.92	0.0044	P	7.9
2	☐	200.000	198.132	21664.02	0.0202	P	2.5
3	☐	500.000	498.442	47545.76	0.0443	P	0.3
4	☐	1000.000	996.459	89124.28	0.0841	P	2.3
5	☐	10000.00	9808.656	814538.76	0.7890	M	0.5
6	☐	20000.00	20095.90	1609256.07	1.6120	A	1.3

y = 7.9995E-005 * x + 0.0044
R = 0.9999
DL = 13.04
BEC = 54.89

Weight: <None>
Min Conc: <None>

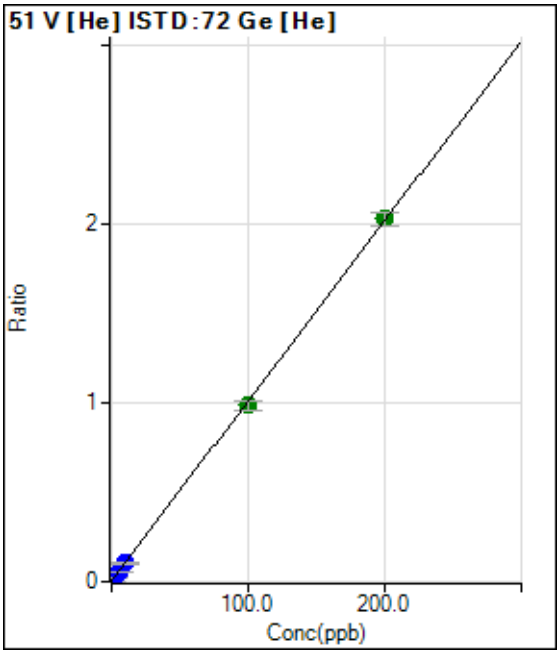
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	10.00	0.0000	P	100.6
2	☐	2.000	1.977	930.05	0.0009	P	12.0
3	☐	5.000	4.613	2160.21	0.0020	P	4.8
4	☐	10.000	9.543	4397.46	0.0042	P	6.6
5	☐	100.000	98.986	44355.34	0.0430	P	2.9
6	☐	200.000	200.540	86914.16	0.0871	P	2.4

y = 4.3415E-004 * x + 9.1625E-006
R = 1.0000
DL = 0.06367
BEC = 0.0211

Weight: <None>
Min Conc: <None>

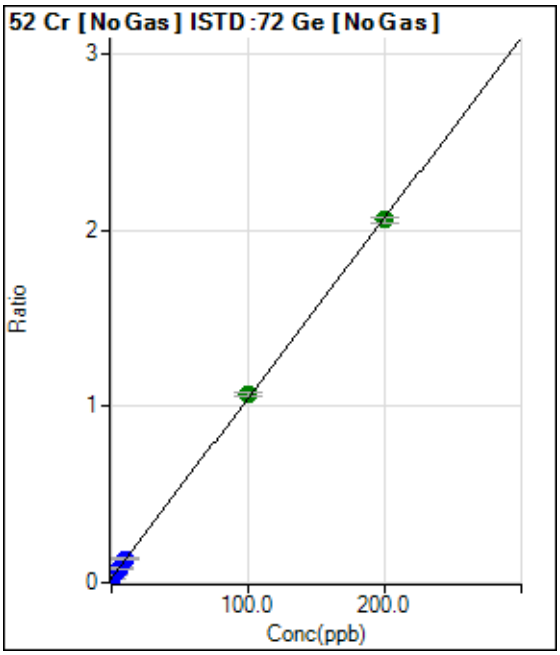


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5586.73	0.0051	P	3.6
2	☐	2.000	1.950	26492.28	0.0247	P	0.9
3	☐	5.000	4.902	58481.97	0.0545	P	1.5
4	☐	10.000	9.730	109189.28	0.1031	P	3.3
5	☐	100.000	97.594	1018424.09	0.9873	A	4.9
6	☐	200.000	201.220	2026196.38	2.0303	A	3.7

y = 0.0101 * x + 0.0051
R = 0.9999
DL = 0.05481
BEC = 0.5087

Weight: <None>
Min Conc: <None>

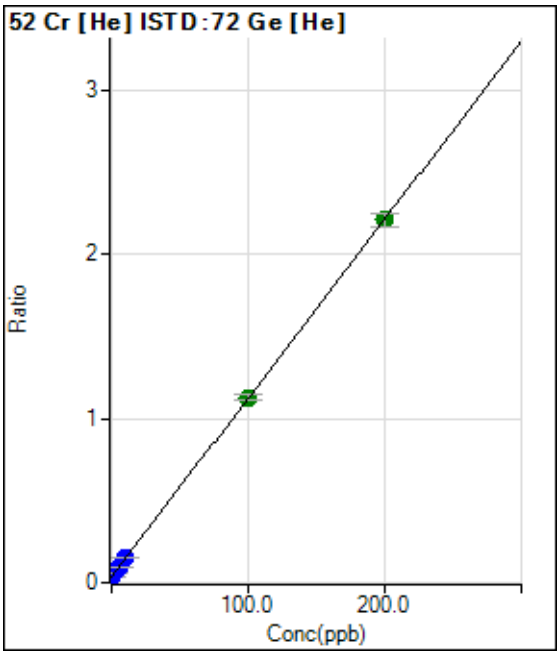
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	78390.82	0.0248	P	1.6
2	☐	2.000	2.298	151531.49	0.0483	P	3.1
3	☐	5.000	5.418	246102.27	0.0802	P	4.5
4	☐	10.000	10.822	418186.48	0.1354	P	2.1
5	☐	100.000	102.112	3248987.66	1.0687	A	1.7
6	☐	200.000	198.889	6170605.12	2.0581	A	1.7

y = 0.0102 * x + 0.0248
R = 0.9999
DL = 0.1165
BEC = 2.426

Weight: <None>
Min Conc: <None>

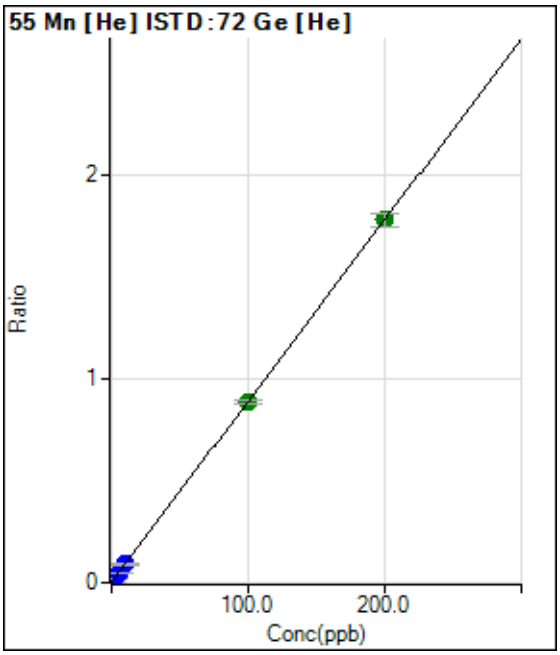


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	39527.38	0.0362	P	4.6
2	☐	2.000	2.223	64659.19	0.0604	P	1.2
3	☐	5.000	5.062	98029.80	0.0913	P	2.2
4	☐	10.000	10.473	159094.17	0.1502	P	3.5
5	☐	100.000	100.270	1162800.63	1.1270	A	3.5
6	☐	200.000	199.838	2205750.85	2.2102	A	3.5

y = 0.0109 * x + 0.0362
R = 1.0000
DL = 0.4563
BEC = 3.329

Weight: <None>
Min Conc: <None>

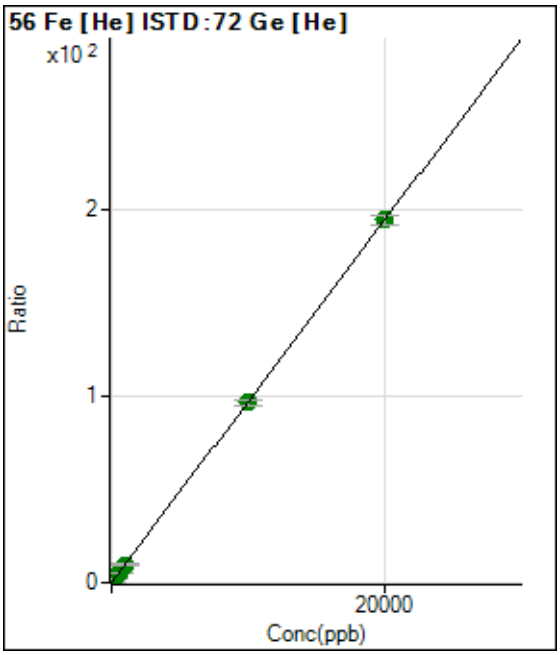
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2296.90	0.0021	P	2.5
2	☐	2.000	2.070	21977.99	0.0205	P	2.0
3	☐	5.000	4.979	49861.14	0.0464	P	2.1
4	☐	10.000	9.953	96103.78	0.0907	P	3.5
5	☐	100.000	99.788	918849.31	0.8904	A	2.5
6	☐	200.000	200.108	1779770.81	1.7835	A	3.8

y = 0.0089 * x + 0.0021
R = 1.0000
DL = 0.01805
BEC = 0.2364

Weight: <None>
Min Conc: <None>

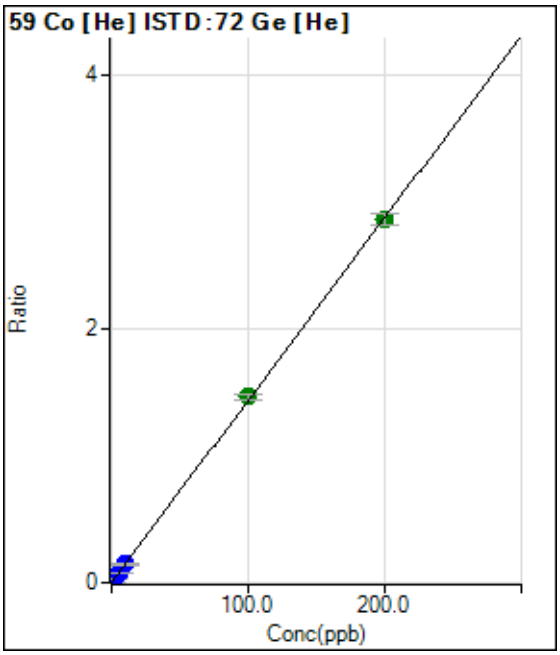


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	55607.21	0.0509	P	5.8
2	☐	200.000	206.215	2193446.32	2.0491	A	1.8
3	☐	500.000	498.370	5241489.09	4.8801	A	0.8
4	☐	1000.000	982.128	10136641.51	9.5676	A	4.4
5	☐	10000.00	9951.052	99537895.18	96.4751	A	3.4
6	☐	20000.00	20025.34	193725377.1	194.093	A	2.6

y = 0.0097 * x + 0.0509
R = 1.0000
DL = 0.9136
BEC = 5.257

Weight: <None>
Min Conc: <None>

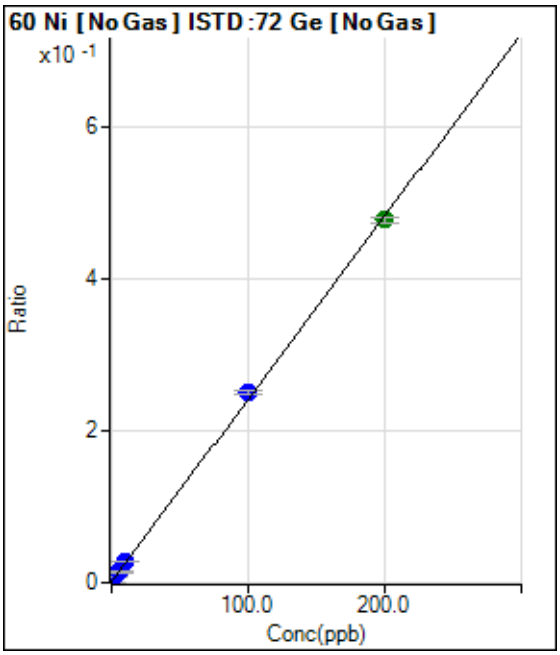
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	420.02	0.0004	P	35.6
2	☐	2.000	1.990	30992.25	0.0290	P	2.6
3	☐	5.000	4.927	76393.93	0.0711	P	1.3
4	☐	10.000	10.062	153487.78	0.1449	P	3.3
5	☐	100.000	101.993	1511340.60	1.4647	A	3.0
6	☐	200.000	199.002	2851917.56	2.8575	A	3.2

y = 0.0144 * x + 3.8398E-004
R = 0.9999
DL = 0.02858
BEC = 0.02674

Weight: <None>
Min Conc: <None>

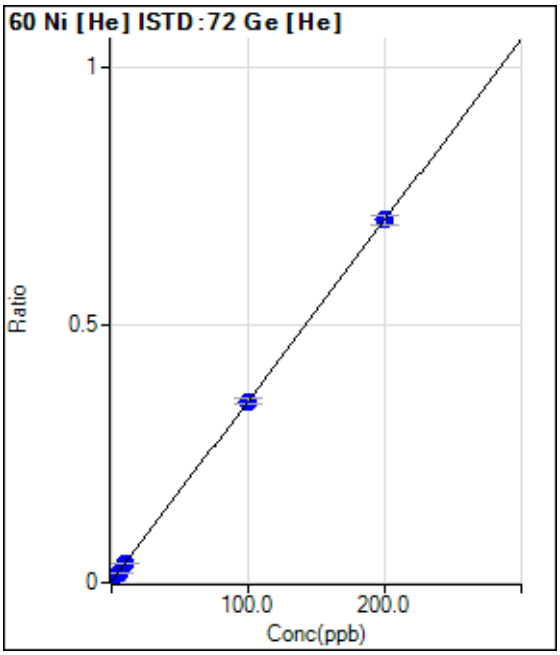


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3453.85	0.0011	P	20.4
2	☐	2.000	2.308	20856.26	0.0066	P	4.6
3	☐	5.000	5.397	43235.76	0.0141	P	3.7
4	☐	10.000	10.726	83096.14	0.0269	P	2.3
5	☐	100.000	103.742	762588.87	0.2508	P	1.3
6	☐	200.000	198.080	1432996.85	0.4780	A	1.4

y = 0.0024 * x + 0.0011
R = 0.9998
DL = 0.2773
BEC = 0.4533

Weight: <None>
Min Conc: <None>

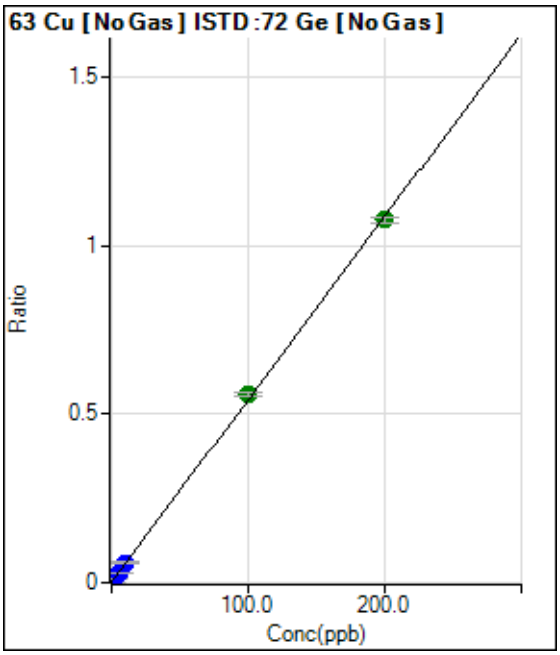
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2323.57	0.0021	P	7.8
2	☐	2.000	2.184	10490.92	0.0098	P	0.8
3	☐	5.000	5.128	21627.41	0.0201	P	1.3
4	☐	10.000	10.115	39905.42	0.0377	P	2.2
5	☐	100.000	99.817	363877.14	0.3527	P	3.4
6	☐	200.000	200.081	703491.97	0.7048	P	2.5

y = 0.0035 * x + 0.0021
R = 1.0000
DL = 0.1414
BEC = 0.606

Weight: <None>
Min Conc: <None>

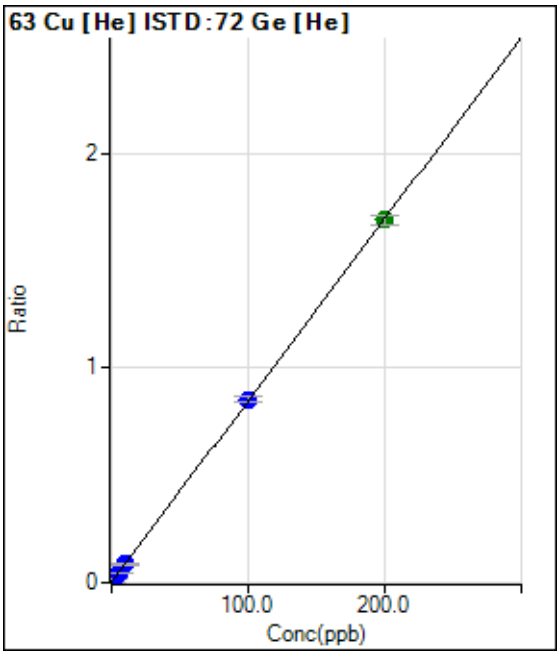


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3530.51	0.0011	P	8.6
2	☐	2.000	2.319	42971.50	0.0137	P	1.4
3	☐	5.000	5.457	94249.44	0.0307	P	4.2
4	☐	10.000	10.812	184468.53	0.0598	P	3.0
5	☐	100.000	103.211	1705248.15	0.5609	A	2.1
6	☐	200.000	198.339	3227886.72	1.0769	A	1.6

y = 0.0054 * x + 0.0011
R = 0.9998
DL = 0.05303
BEC = 0.206

Weight: <None>
Min Conc: <None>

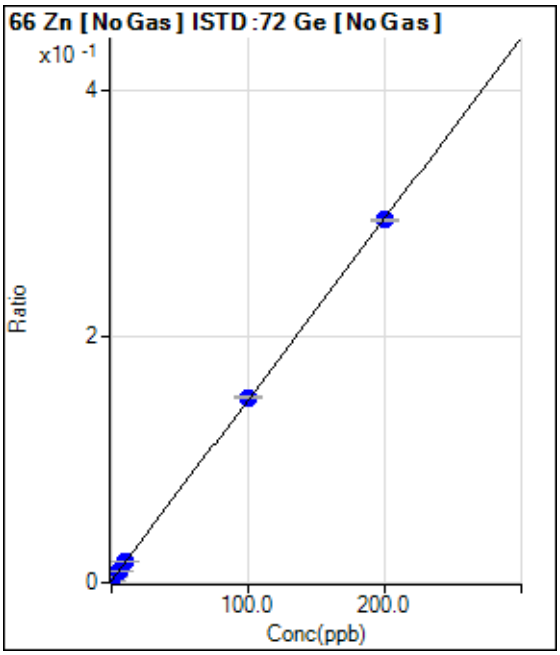
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1656.80	0.0015	P	8.6
2	☐	2.000	2.185	21417.14	0.0200	P	5.0
3	☐	5.000	5.062	47650.45	0.0444	P	1.5
4	☐	10.000	10.125	92369.88	0.0872	P	6.5
5	☐	100.000	100.815	881982.18	0.8549	P	3.5
6	☐	200.000	199.583	1687688.46	1.6909	A	2.5

y = 0.0085 * x + 0.0015
R = 1.0000
DL = 0.04621
BEC = 0.1794

Weight: <None>
Min Conc: <None>

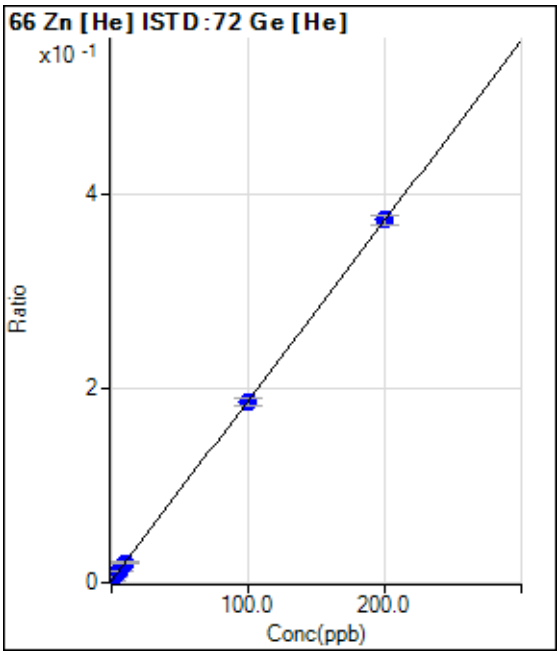


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5301.13	0.0017	P	4.4
2	☐	2.000	2.692	17661.79	0.0056	P	7.1
3	☐	5.000	5.360	29291.95	0.0095	P	4.5
4	☐	10.000	10.491	52739.41	0.0171	P	1.6
5	☐	100.000	101.193	456599.20	0.1502	P	1.1
6	☐	200.000	199.363	882196.26	0.2943	P	0.3

y = 0.0015 * x + 0.0017
R = 1.0000
DL = 0.1496
BEC = 1.143

Weight: <None>
Min Conc: <None>

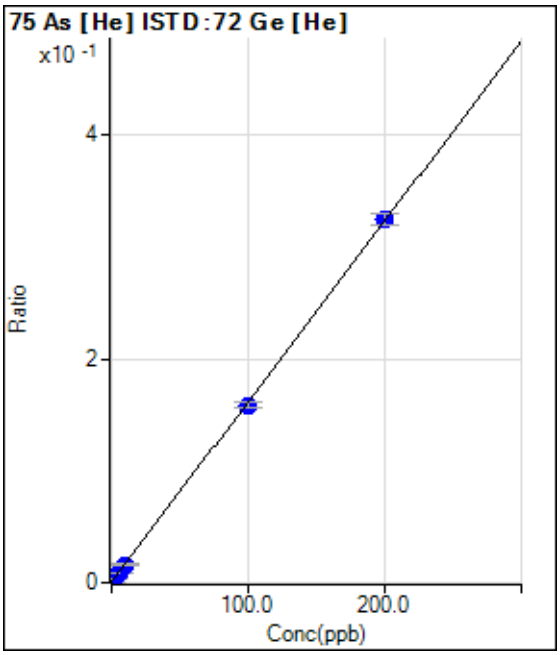
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2270.23	0.0021	P	5.6
2	☐	2.000	2.553	7288.77	0.0068	P	7.0
3	☐	5.000	4.916	12018.83	0.0112	P	2.4
4	☐	10.000	10.021	21877.93	0.0206	P	3.7
5	☐	100.000	99.183	191758.58	0.1859	P	3.6
6	☐	200.000	200.404	372724.42	0.3734	P	2.6

y = 0.0019 * x + 0.0021
R = 1.0000
DL = 0.1872
BEC = 1.123

Weight: <None>
Min Conc: <None>

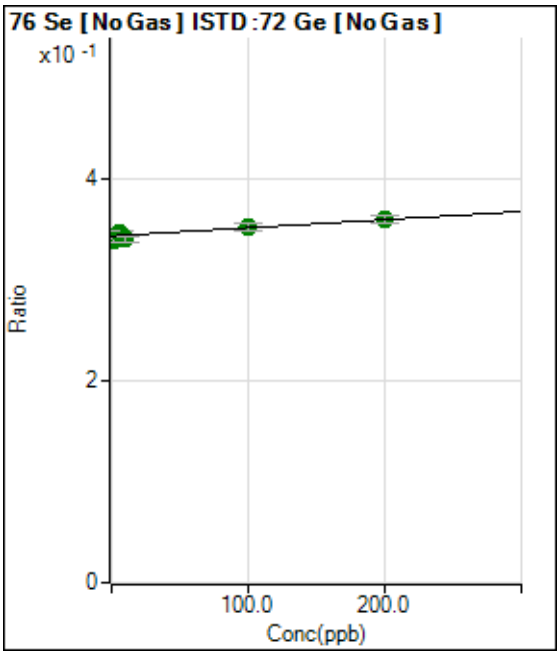


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	450.01	0.0004	P	5.0
2	☐	2.000	1.944	3797.22	0.0035	P	2.4
3	☐	5.000	4.732	8636.14	0.0080	P	1.8
4	☐	10.000	9.798	17175.38	0.0162	P	3.4
5	☐	100.000	98.252	163882.27	0.1588	P	2.6
6	☐	200.000	200.891	323647.10	0.3243	P	3.2

y = 0.0016 * x + 4.1247E-004
R = 0.9999
DL = 0.03872
BEC = 0.2558

Weight: <None>
Min Conc: <None>

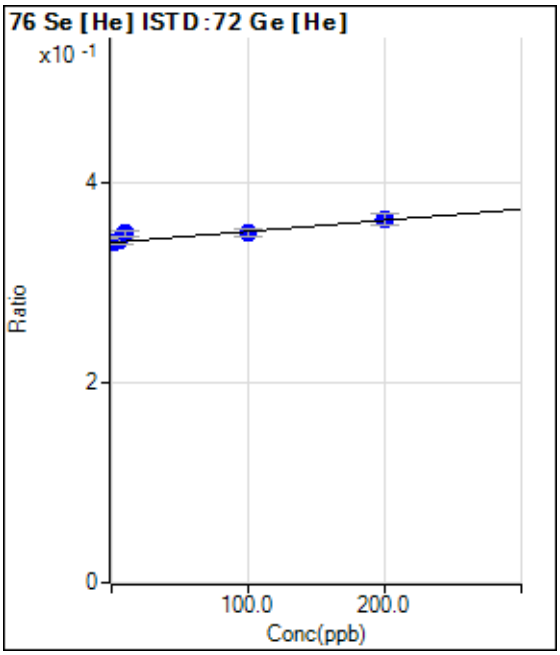
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1085434.88	0.3436	A	1.7
2	☐	2.000	-58.535	1063464.49	0.3389	A	1.0
3	☐	5.000	29.988	1062091.13	0.3460	A	1.8
4	☐	10.000	-34.256	1052358.11	0.3408	A	1.6
5	☐	100.000	111.688	1071891.28	0.3526	A	1.7
6	☐	200.000	196.349	1077646.00	0.3594	A	2.2

y = 8.0697E-005 * x + 0.3436
R = 0.9435
DL = 220.3
BEC = 4258

Weight: <None>
Min Conc: <None>

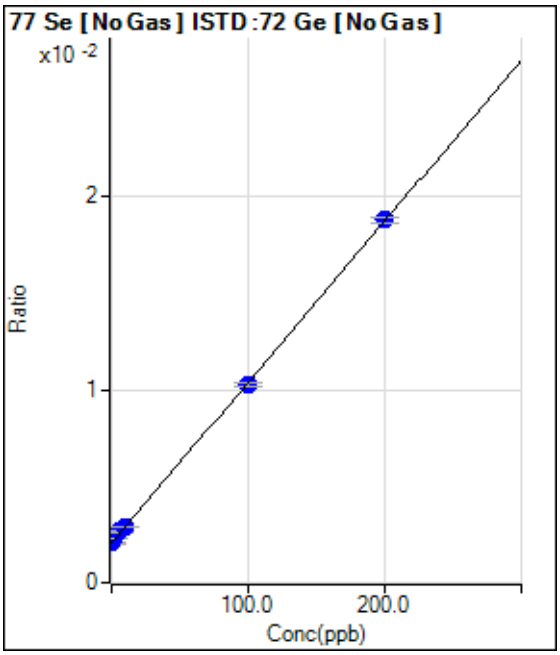


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	371922.21	0.3408	P	1.4
2	☐	2.000	3.343	365266.65	0.3412	P	0.4
3	☐	5.000	13.587	367664.41	0.3423	P	1.5
4	☐	10.000	79.643	370621.19	0.3497	P	1.7
5	☐	100.000	87.018	361745.51	0.3505	P	2.1
6	☐	200.000	202.781	362732.70	0.3635	P	3.1

y = 1.1163E-004 * x + 0.3408
R = 0.9336
DL = 131.5
BEC = 3053

Weight: <None>
Min Conc: <None>

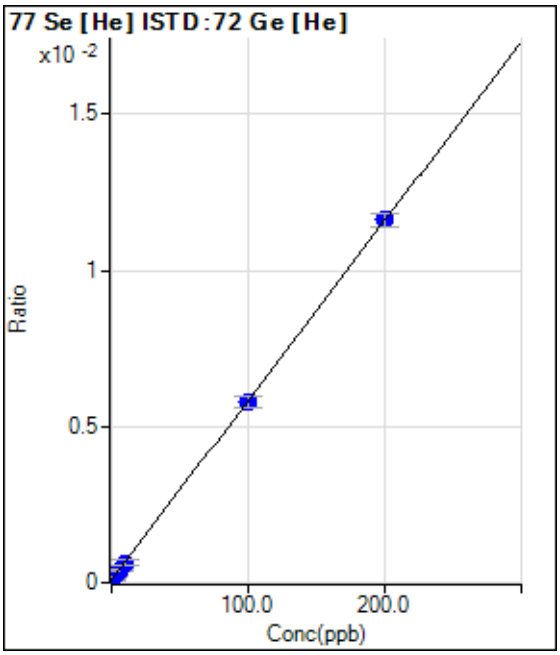
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6478.32	0.0020	P	6.2
2	☐	2.000	2.827	7172.07	0.0023	P	3.1
3	☐	5.000	7.101	8105.93	0.0026	P	5.0
4	☐	10.000	10.177	8949.80	0.0029	P	2.8
5	☐	100.000	98.170	31123.06	0.0102	P	2.0
6	☐	200.000	200.845	56368.14	0.0188	P	1.3

y = 8.3411E-005 * x + 0.0020
R = 0.9999
DL = 4.538
BEC = 24.58

Weight: <None>
Min Conc: <None>

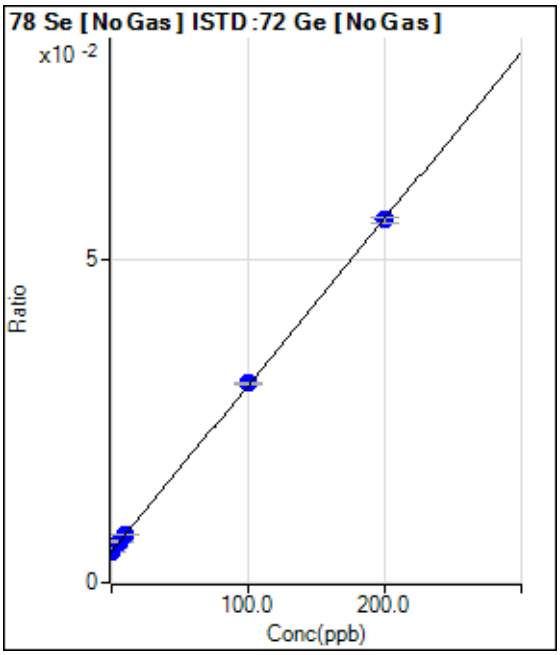


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	100.00	0.0001	P	16.3
2	☐	2.000	2.153	230.01	0.0002	P	18.5
3	☐	5.000	5.327	426.69	0.0004	P	5.6
4	☐	10.000	9.244	656.69	0.0006	P	30.6
5	☐	100.000	98.790	5948.11	0.0058	P	6.7
6	☐	200.000	200.633	11588.49	0.0116	P	3.4

y = 5.7417E-005 * x + 9.1529E-005
R = 1.0000
DL = 0.7772
BEC = 1.594

Weight: <None>
Min Conc: <None>

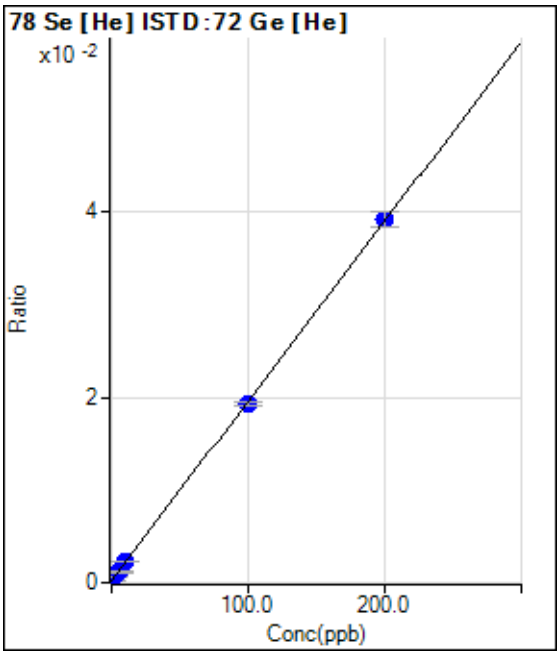
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	15065.35	0.0048	P	1.7
2	☐	2.000	2.875	17284.70	0.0055	P	2.0
3	☐	5.000	5.972	19340.84	0.0063	P	4.6
4	☐	10.000	10.691	23216.95	0.0075	P	0.5
5	☐	100.000	101.049	93436.73	0.0307	P	0.6
6	☐	200.000	199.408	167881.24	0.0560	P	1.8

y = 2.5698E-004 * x + 0.0048
R = 1.0000
DL = 0.9331
BEC = 18.56

Weight: <None>
Min Conc: <None>

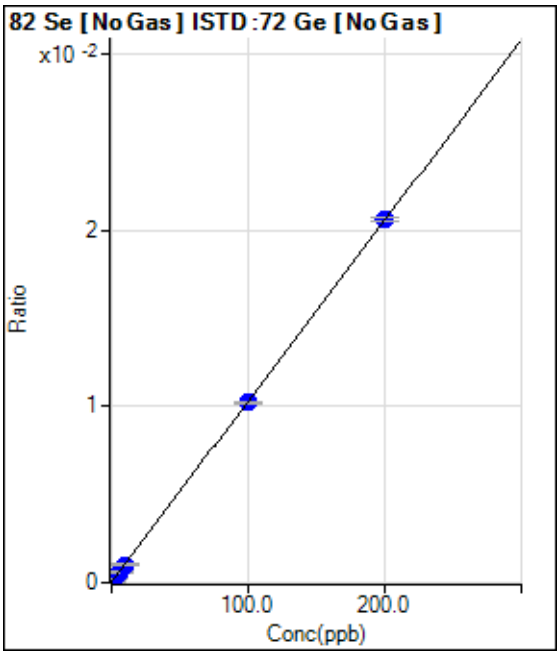


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	265.33	0.0002	P	3.4
2	☐	2.000	1.982	671.35	0.0006	P	6.8
3	☐	5.000	4.749	1249.39	0.0012	P	8.5
4	☐	10.000	10.301	2372.22	0.0022	P	2.3
5	☐	100.000	98.255	19888.68	0.0193	P	2.7
6	☐	200.000	200.864	39065.12	0.0391	P	4.1

y = 1.9369E-004 * x + 2.4308E-004
R = 0.9999
DL = 0.1261
BEC = 1.255

Weight: <None>
Min Conc: <None>

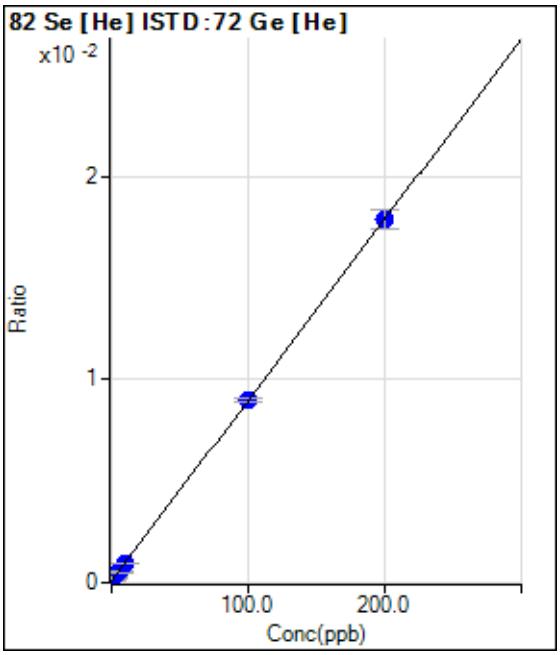
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	134.93	0.0000	P	61.1
2	☐	2.000	1.670	671.09	0.0002	P	5.3
3	☐	5.000	5.264	1784.43	0.0006	P	13.3
4	☐	10.000	9.623	3181.28	0.0010	P	5.2
5	☐	100.000	99.219	31071.79	0.0102	P	1.0
6	☐	200.000	200.406	61751.28	0.0206	P	1.2

y = 1.0259E-004 * x + 4.2505E-005
R = 1.0000
DL = 0.7595
BEC = 0.4143

Weight: <None>
Min Conc: <None>

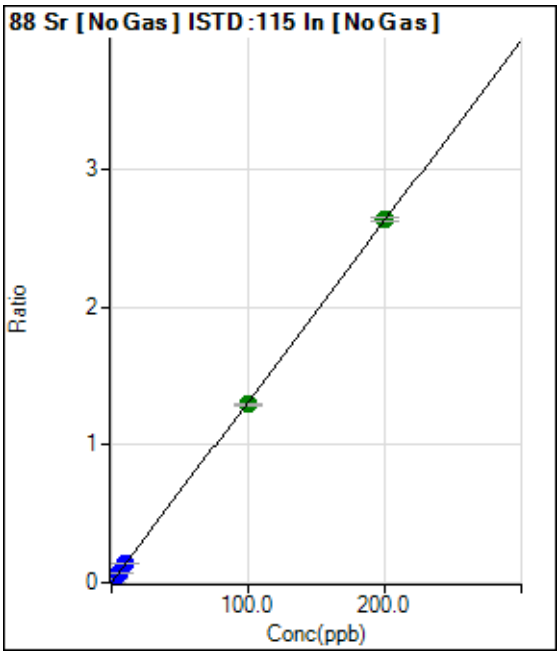


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	103.33	0.0001	P	36.5
2	☐	2.000	1.740	266.68	0.0002	P	11.7
3	☐	5.000	4.908	570.02	0.0005	P	4.1
4	☐	10.000	9.627	1006.72	0.0009	P	0.8
5	☐	100.000	100.390	9300.02	0.0090	P	2.4
6	☐	200.000	199.828	17808.74	0.0178	P	5.4

y = 8.8829E-005 * x + 9.4604E-005
R = 1.0000
DL = 1.165
BEC = 1.065

Weight: <None>
Min Conc: <None>

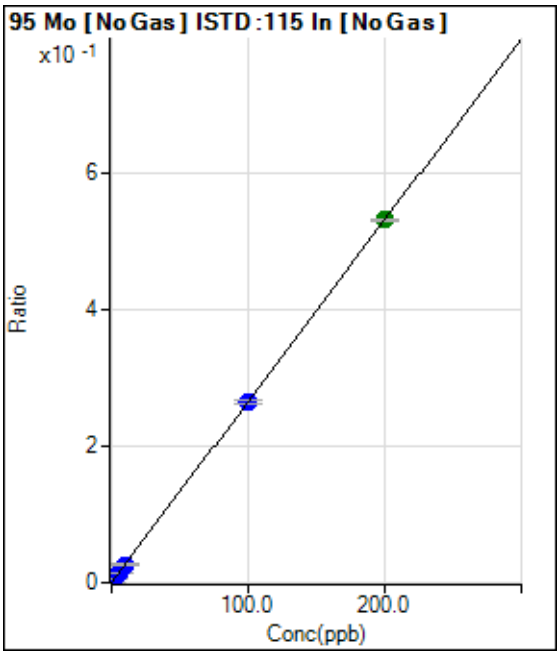
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4784.28	0.0014	P	3.8
2	☐	2.000	2.056	93874.67	0.0284	P	1.3
3	☐	5.000	5.046	224100.86	0.0677	P	0.2
4	☐	10.000	10.177	444900.20	0.1352	P	1.5
5	☐	100.000	98.726	4149279.94	1.2988	A	1.0
6	☐	200.000	200.627	8227120.71	2.6380	A	1.1

y = 0.0131 * x + 0.0014
R = 1.0000
DL = 0.0124
BEC = 0.1076

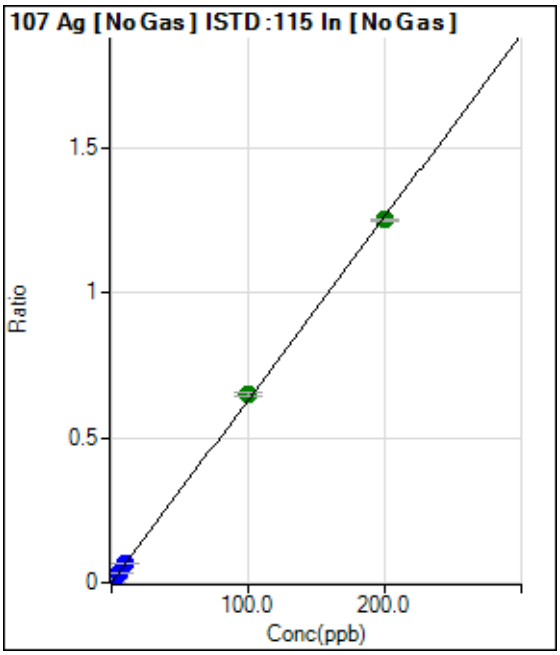
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	853.38	0.0003	P	8.2
2	☐	2.000	1.963	18045.87	0.0055	P	5.4
3	☐	5.000	4.800	43006.52	0.0130	P	3.1
4	☐	10.000	9.936	87674.61	0.0266	P	2.5
5	☐	100.000	99.643	846271.00	0.2649	P	1.3
6	☐	200.000	200.187	1658983.36	0.5319	A	0.6

y = 0.0027 * x + 2.5220E-004
R = 1.0000
DL = 0.02347
BEC = 0.09496

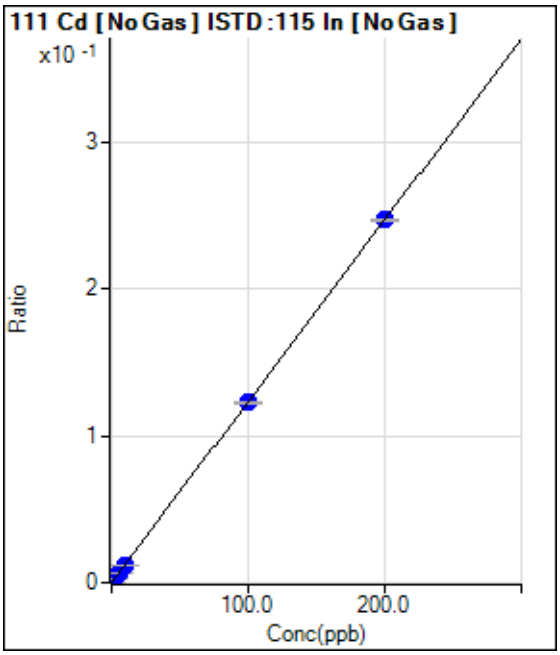
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	416.68	0.0001	P	13.1
2	☐	2.000	2.098	44153.81	0.0134	P	0.7
3	☐	5.000	5.162	108257.89	0.0327	P	2.3
4	☐	10.000	10.329	215165.60	0.0654	P	0.6
5	☐	100.000	103.027	2079068.62	0.6507	A	2.5
6	☐	200.000	198.465	3909392.44	1.2534	A	0.2

y = 0.0063 * x + 1.2304E-004
R = 0.9998
DL = 0.007659
BEC = 0.01948

Weight: <None>
Min Conc: <None>

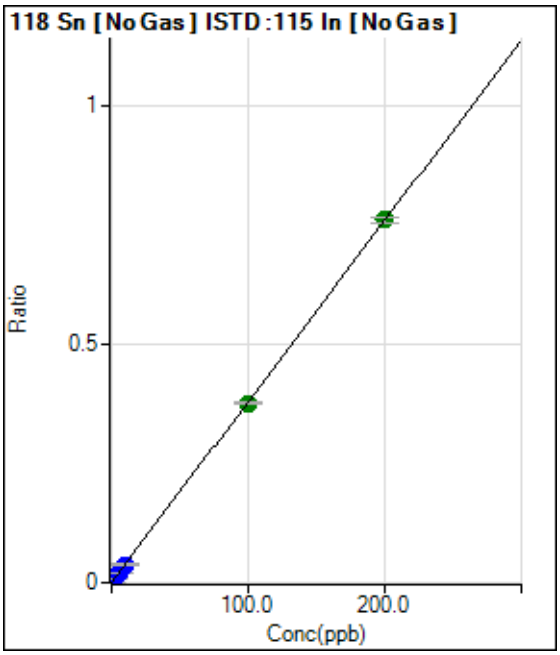


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	-16.98	0.0000	P	-60.9
2	☐	2.000	1.975	8015.33	0.0024	P	4.2
3	☐	5.000	4.889	19907.31	0.0060	P	4.0
4	☐	10.000	9.976	40442.65	0.0123	P	1.0
5	☐	100.000	99.551	391799.35	0.1226	P	1.1
6	☐	200.000	200.229	769342.86	0.2467	P	0.4

y = 0.0012 * x - 5.0398E-006
R = 1.0000
DL = 0.007476
BEC = -0.004091

Weight: <None>
Min Conc: <None>

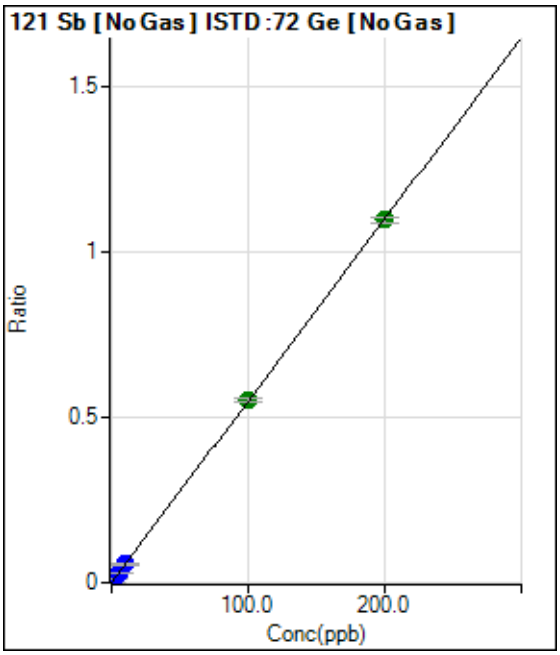
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1703.48	0.0005	P	2.9
2	☐	2.000	1.986	26533.77	0.0080	P	0.7
3	☐	5.000	4.803	61922.62	0.0187	P	2.7
4	☐	10.000	9.939	125714.77	0.0382	P	1.2
5	☐	100.000	98.886	1199558.66	0.3755	A	0.9
6	☐	200.000	200.565	2373637.78	0.7610	A	1.9

y = 0.0038 * x + 5.0366E-004
R = 1.0000
DL = 0.01167
BEC = 0.1328

Weight: <None>
Min Conc: <None>

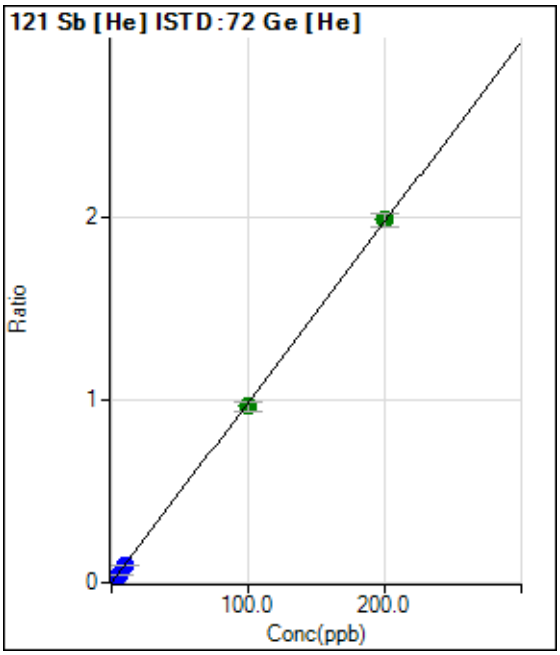


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	333.34	0.0001	P	26.1
2	☐	2.000	2.013	34997.11	0.0112	P	2.5
3	☐	5.000	5.081	85897.22	0.0280	P	2.8
4	☐	10.000	10.153	172305.55	0.0558	P	3.6
5	☐	100.000	100.556	1677975.34	0.5519	A	1.5
6	☐	200.000	199.712	3285577.03	1.0961	A	1.3

y = 0.0055 * x + 1.0561E-004
R = 1.0000
DL = 0.01508
BEC = 0.01925

Weight: <None>
Min Conc: <None>

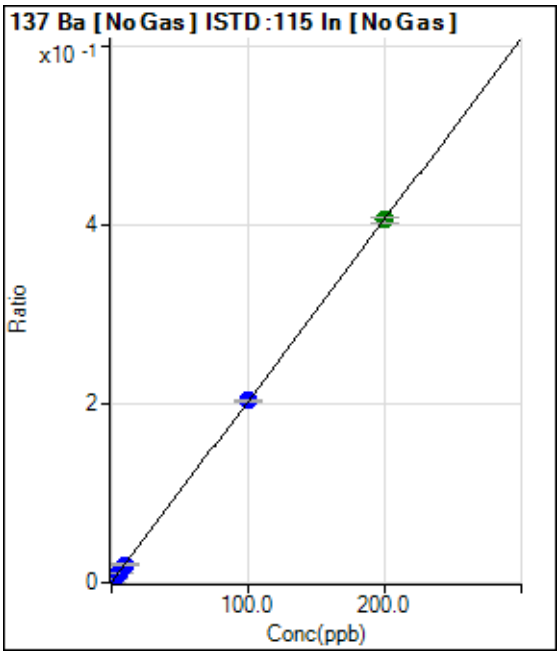
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	183.34	0.0002	P	21.5
2	☐	2.000	1.891	20172.40	0.0188	P	3.1
3	☐	5.000	4.622	49192.30	0.0458	P	0.8
4	☐	10.000	9.372	98222.92	0.0927	P	2.1
5	☐	100.000	97.790	995857.59	0.9656	A	5.2
6	☐	200.000	201.147	1981769.29	1.9859	A	3.8

y = 0.0099 * x + 1.6823E-004
R = 0.9999
DL = 0.01099
BEC = 0.01704

Weight: <None>
Min Conc: <None>

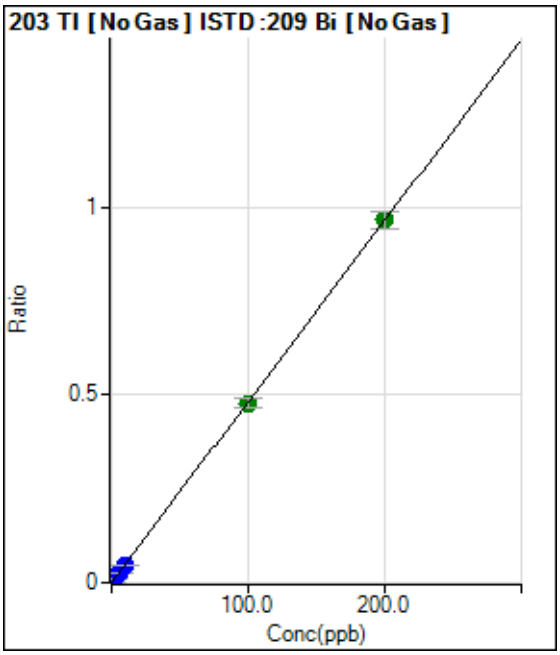


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	986.72	0.0003	P	10.3
2	☐	2.000	2.036	14581.71	0.0044	P	2.1
3	☐	5.000	4.909	33857.98	0.0102	P	2.4
4	☐	10.000	9.925	67133.51	0.0204	P	0.4
5	☐	100.000	100.295	649933.77	0.2034	P	1.2
6	☐	200.000	199.858	1263542.72	0.4051	A	1.6

y = 0.0020 * x + 2.9200E-004
R = 1.0000
DL = 0.04438
BEC = 0.1442

Weight: <None>
Min Conc: <None>

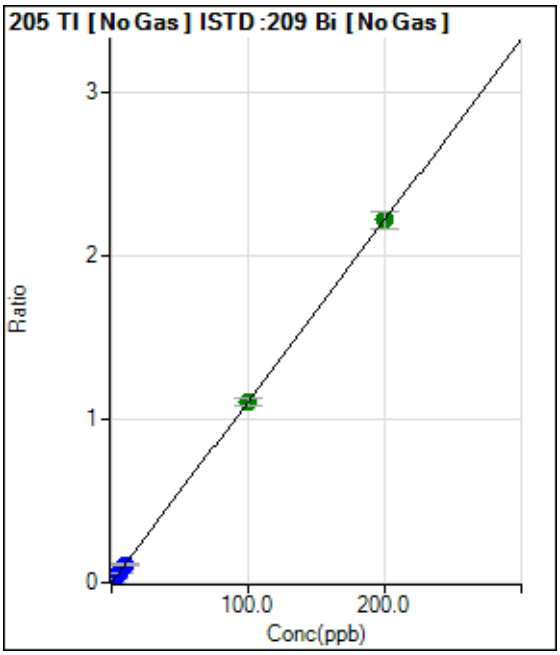
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	193.34	0.0001	P	38.1
2	☐	2.000	2.026	27273.45	0.0098	P	5.5
3	☐	5.000	4.938	65012.77	0.0239	P	4.3
4	☐	10.000	9.648	127921.53	0.0466	P	4.0
5	☐	100.000	99.053	1282854.36	0.4773	A	5.1
6	☐	200.000	200.492	2477831.06	0.9660	A	4.5

y = 0.0048 * x + 7.0227E-005
R = 1.0000
DL = 0.01666
BEC = 0.01458

Weight: <None>
Min Conc: <None>

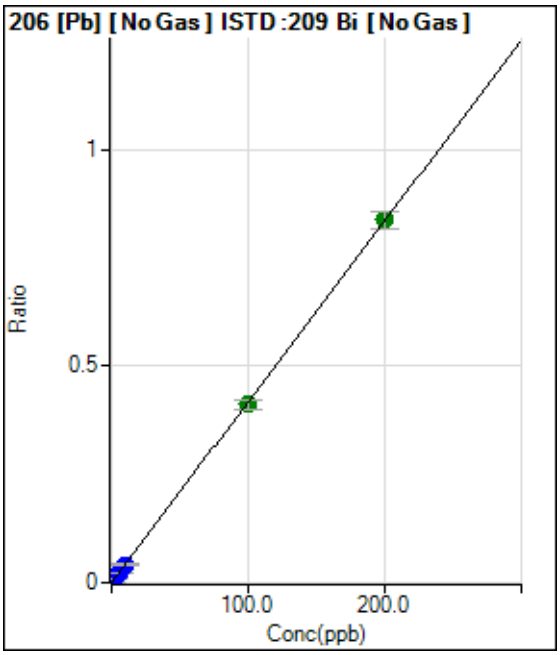


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	570.02	0.0002	P	8.0
2	☐	2.000	2.024	62878.65	0.0227	P	5.1
3	☐	5.000	5.102	154752.88	0.0568	P	5.5
4	☐	10.000	9.897	302276.74	0.1100	P	4.4
5	☐	100.000	99.709	2973913.91	1.1065	A	5.3
6	☐	200.000	200.148	5696517.83	2.2209	A	4.7

y = 0.0111 * x + 2.0459E-004
R = 1.0000
DL = 0.004409
BEC = 0.01844

Weight: <None>
Min Conc: <None>

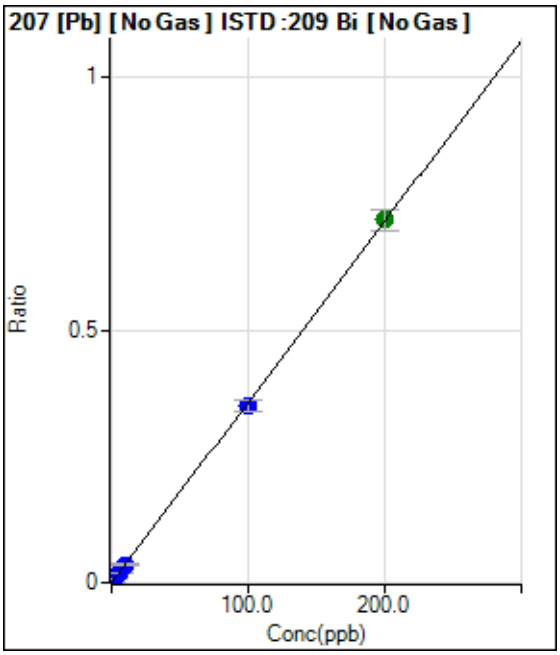
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	443.35	0.0002	P	12.5
2	☐	2.000	2.018	23819.89	0.0086	P	3.9
3	☐	5.000	4.997	57258.58	0.0210	P	5.3
4	☐	10.000	9.889	113883.46	0.0414	P	4.4
5	☐	100.000	98.605	1107011.88	0.4118	A	4.9
6	☐	200.000	200.703	2149694.55	0.8381	A	4.7

y = 0.0042 * x + 1.5902E-004
R = 1.0000
DL = 0.01434
BEC = 0.03809

Weight: <None>
Min Conc: <None>

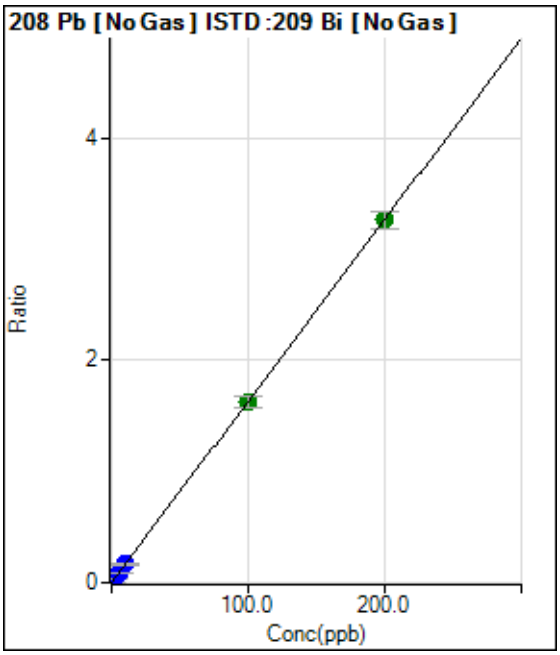


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	580.34	0.0002	P	64.4
2	☐	2.000	2.017	20553.96	0.0074	P	6.4
3	☐	5.000	4.965	48903.13	0.0179	P	3.9
4	☐	10.000	9.942	98169.22	0.0357	P	4.1
5	☐	100.000	97.987	941173.79	0.3503	P	6.8
6	☐	200.000	201.010	1842257.01	0.7184	A	6.0

y = 0.0036 * x + 2.0315E-004
R = 0.9999
DL = 0.1098
BEC = 0.05685

Weight: <None>
Min Conc: <None>

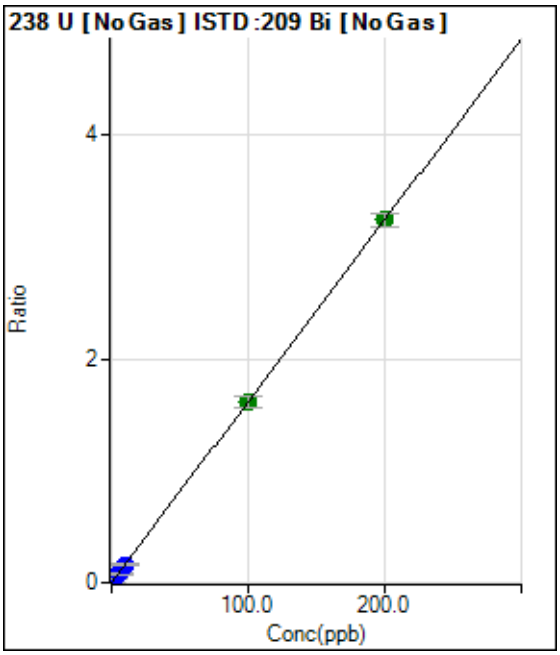
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1993.76	0.0007	P	12.2
2	☐	2.000	2.038	94103.59	0.0339	P	6.6
3	☐	5.000	5.067	226981.19	0.0833	P	5.3
4	☐	10.000	10.039	451673.11	0.1644	P	4.5
5	☐	100.000	100.013	4383010.12	1.6313	A	6.3
6	☐	200.000	199.990	8364832.64	3.2612	A	4.7

y = 0.0163 * x + 7.1485E-004
R = 1.0000
DL = 0.01598
BEC = 0.04385

Weight: <None>
Min Conc: <None>

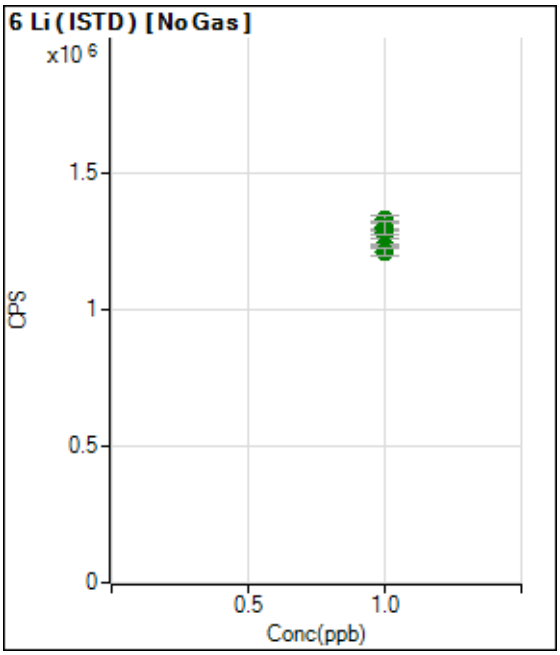


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	380.01	0.0001	P	10.4
2	☐	2.000	1.970	88801.36	0.0320	P	4.9
3	☐	5.000	4.902	216363.98	0.0794	P	5.8
4	☐	10.000	9.923	441443.42	0.1607	P	4.7
5	☐	100.000	99.581	4328848.37	1.6111	A	6.4
6	☐	200.000	200.216	8309604.46	3.2392	A	4.1

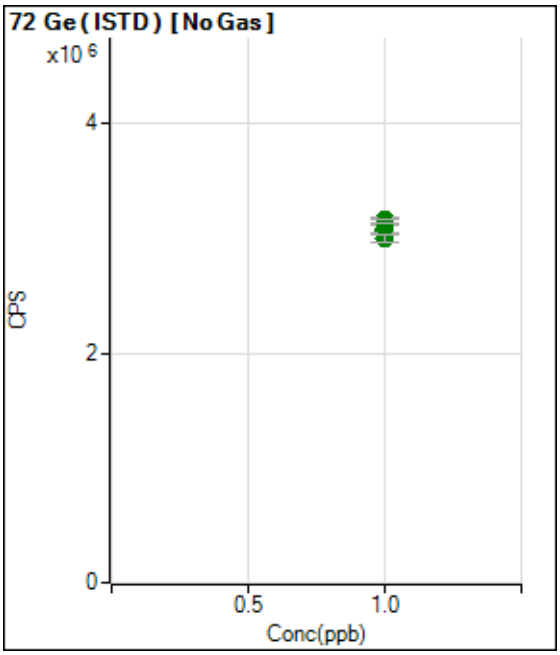
y = 0.0162 * x + 1.3731E-004
R = 1.0000
DL = 0.002639
BEC = 0.008487

Weight: <None>
Min Conc: <None>

Calibration for 026_ICV.d

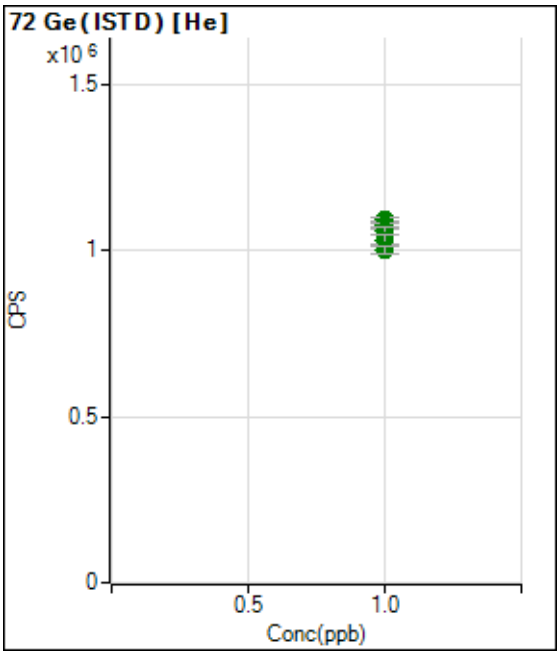


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1326043.40		A	2.3
2	☐	1.000		1298414.14		A	2.1
3	☐	1.000		1277173.79		A	2.5
4	☐	1.000		1296246.48		A	4.2
5	☐	1.000		1233472.13		A	1.0
6	☐	1.000		1210916.93		A	2.2

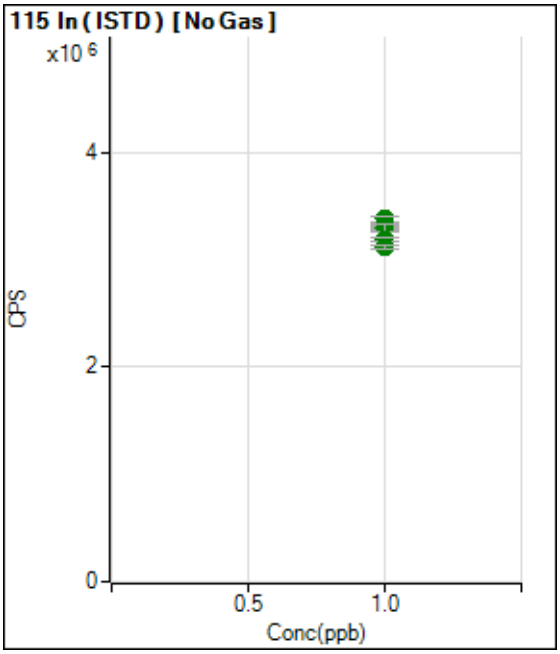


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3159632.76		A	1.9
2	☐	1.000		3138295.58		A	1.2
3	☐	1.000		3070711.31		A	2.9
4	☐	1.000		3088719.43		A	2.9
5	☐	1.000		3039910.06		A	1.0
6	☐	1.000		2998020.68		A	2.3

Calibration for 026_ICV.d

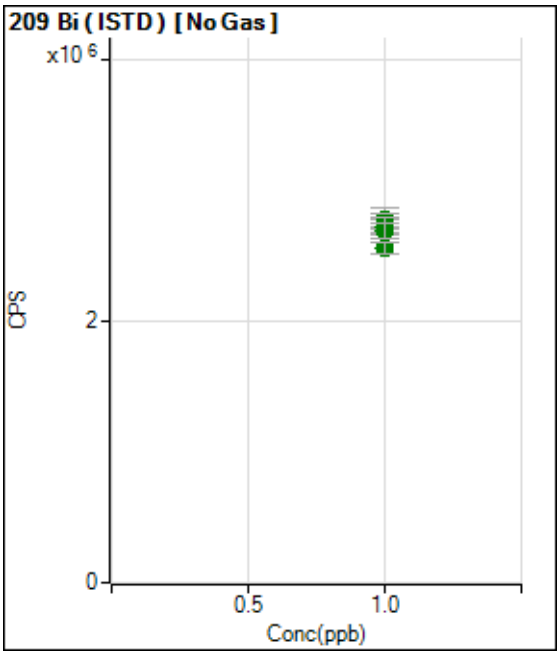


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1091369.41		A	1.0
2	☐	1.000		1070595.66		A	1.6
3	☐	1.000		1074135.01		A	1.4
4	☐	1.000		1060077.30		A	2.2
5	☐	1.000		1032412.51		A	2.9
6	☐	1.000		998523.42		A	2.4



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3381547.15		A	1.8
2	☐	1.000		3302336.92		A	1.1
3	☐	1.000		3308620.95		A	0.6
4	☐	1.000		3292154.85		A	2.1
5	☐	1.000		3194714.78		A	0.9
6	☐	1.000		3118988.61		A	1.3

Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2779550.53		A	6.7
2	☐	1.000		2777906.10		A	4.1
3	☐	1.000		2728279.91		A	4.5
4	☐	1.000		2750122.56		A	3.1
5	☐	1.000		2691827.83		A	4.4
6	☐	1.000		2567643.56		A	3.3

Calibration Blank Report

Sample Table

Sample Name	CAL BLK
Data File Name	019CALB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T10:07:53-05:00
Sample Type	CalBlk
Level	1
Dilution	1
Comment	

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Li	7	1	No Gas	85197	0.00
Be	9	1	No Gas	60	27.78
V	51	2	He	5587	0.06
Cr	52	2	He	39527	0.01
Fe	56	2	He	55607	0.01
Se	78	2	He	265	1.56
As	75	2	He	450	0.92
Ca	44	2	He	4791	0.16
Na	23	2	He	110343	0.00
Mg	24	2	He	1663	0.74
K	39	2	He	213297	0.00
Mn	55	2	He	2297	0.15
Co	59	2	He	420	8.73
Ni	60	2	He	2324	0.37
Cu	63	2	He	1657	0.51
Zn	66	2	He	2270	0.20
Al	27	2	He	4444	0.06
B	11	1	No Gas	19831	0.01
Al	27	1	No Gas	128728	0.00
Si	28	1	No Gas	853658	0.00
Ag	107	1	No Gas	417	3.52
Sr	88	1	No Gas	4784	0.10
Mo	95	1	No Gas	853	1.11
Sn	118	1	No Gas	1703	0.24
Sb	121	1	No Gas	333	7.76
Ba	137	1	No Gas	987	0.95
Tl	205	1	No Gas	570	2.40
Tl	203	1	No Gas	193	17.41
Pb	208	1	No Gas	1994	0.88
U	238	1	No Gas	380	1.39
Ca	43	2	He	133	14.16
Sb	121	2	He	183	11.26
Ti	47	2	He	10	1000.00
Cu	63	1	No Gas	3531	0.26

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Li	6	1	No Gas	1326043	2.29

Calibration Blank Report

Ge	72	2	He	1091369	1.00
Ge	72	1	No Gas	3159633	1.88
In	115	1	No Gas	3381547	1.76
Bi	209	1	No Gas	2779551	6.69

Calibration Standard Report

Sample Table

Sample Name	2/10/200
Data File Name	020CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T10:09:49-05:00
Sample Type	CalStd
Level	2
Dilution	1
Comment	
ISTD Ref File Name	019CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	No Gas	11782	0.01
V	51	2	He	26492	0.01
Cr	52	2	He	64659	0.00
Fe	56	2	He	2193446	0.00
Se	78	2	He	671	1.11
As	75	2	He	3797	0.08
Ca	44	2	He	21664	0.01
Na	23	2	He	506931	0.00
Mg	24	2	He	244782	0.00
K	39	2	He	577395	0.00
Mn	55	2	He	21978	0.01
Co	59	2	He	30992	0.00
Ni	60	2	He	10491	0.02
Cu	63	2	He	21417	0.02
Zn	66	2	He	7289	0.08
Al	27	2	He	5331	0.02
B	11	1	No Gas	51374	0.00
Al	27	1	No Gas	160725	0.00
Si	28	1	No Gas	1010504	0.00
Ag	107	1	No Gas	44154	0.00
Cd	111	1	No Gas	8015	0.05
Sr	88	1	No Gas	93875	0.00
Mo	95	1	No Gas	18046	0.02
Sn	118	1	No Gas	26534	0.01
Sb	121	1	No Gas	34997	0.01
Ba	137	1	No Gas	14582	0.02
Tl	205	1	No Gas	62879	0.00
Tl	203	1	No Gas	27273	0.01
Pb	208	1	No Gas	94104	0.00
U	238	1	No Gas	88801	0.00
Ca	43	2	He	1233	0.27
Sb	121	2	He	20172	0.02
Cu	63	1	No Gas	42972	0.00

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1298414	2.11	1326043	97.92	70	120	
Ge	72	2	He	1070596	1.58	1091369	98.10	70	120	
Ge	72	1	No Gas	3138296	1.21	3159633	99.32	70	120	

Calibration Standard Report

In	115	1	No Gas	3302337	1.15	3381547	97.66	70	120	
Bi	209	1	No Gas	2777906	4.07	2779551	99.94	70	120	

Calibration Standard Report

Sample Table

Sample Name	5/25/500
Data File Name	021CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T10:11:44-05:00
Sample Type	CalStd
Level	3
Dilution	1
Comment	
ISTD Ref File Name	019CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	No Gas	29140	0.01
V	51	2	He	58482	0.00
Cr	52	2	He	98030	0.00
Fe	56	2	He	5241489	0.00
Se	78	2	He	1249	0.71
As	75	2	He	8636	0.01
Ca	44	2	He	47546	0.00
Na	23	2	He	1051893	0.00
Mg	24	2	He	602391	0.00
K	39	2	He	1094095	0.00
Mn	55	2	He	49861	0.00
Co	59	2	He	76394	0.00
Ni	60	2	He	21627	0.00
Cu	63	2	He	47650	0.00
Zn	66	2	He	12019	0.01
Al	27	2	He	9890	0.06
B	11	1	No Gas	100000	0.00
Al	27	1	No Gas	278567	0.00
Si	28	1	No Gas	1206424	0.00
Ag	107	1	No Gas	108258	0.00
Cd	111	1	No Gas	19907	0.02
Sr	88	1	No Gas	224101	0.00
Mo	95	1	No Gas	43007	0.01
Sn	118	1	No Gas	61923	0.00
Sb	121	1	No Gas	85897	0.00
Ba	137	1	No Gas	33858	0.01
Tl	205	1	No Gas	154753	0.00
Tl	203	1	No Gas	65013	0.00
Pb	208	1	No Gas	226981	0.00
U	238	1	No Gas	216364	0.00
Ca	43	2	He	2677	0.22
Sb	121	2	He	49192	0.00
Cu	63	1	No Gas	94249	0.00

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1277174	2.52	1326043	96.31	70	120	
Ge	72	2	He	1074135	1.37	1091369	98.42	70	120	
Ge	72	1	No Gas	3070711	2.95	3159633	97.19	70	120	

Calibration Standard Report

In	115	1	No Gas	3308621	0.60	3381547	97.84	70	120	
Bi	209	1	No Gas	2728280	4.53	2779551	98.16	70	120	

Calibration Standard Report

Sample Table

Sample Name	10/50/100
Data File Name	022CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T10:13:38-05:00
Sample Type	CalStd
Level	4
Dilution	1
Comment	
ISTD Ref File Name	019CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	No Gas	57271	0.00
V	51	2	He	109189	0.00
Cr	52	2	He	159094	0.00
Fe	56	2	He	10136642	0.00
Se	78	2	He	2372	0.08
As	75	2	He	17175	0.01
Ca	44	2	He	89124	0.00
Na	23	2	He	1945980	0.00
Mg	24	2	He	1138734	0.00
K	39	2	He	1944736	0.00
Mn	55	2	He	96104	0.00
Co	59	2	He	153488	0.00
Ni	60	2	He	39905	0.00
Cu	63	2	He	92370	0.00
Zn	66	2	He	21878	0.01
Al	27	2	He	13083	0.04
B	11	1	No Gas	182292	0.00
Al	27	1	No Gas	373437	0.00
Si	28	1	No Gas	1518346	0.00
Ag	107	1	No Gas	215166	0.00
Cd	111	1	No Gas	40443	0.01
Sr	88	1	No Gas	444900	0.00
Mo	95	1	No Gas	87675	0.00
Sn	118	1	No Gas	125715	0.00
Sb	121	1	No Gas	172306	0.00
Ba	137	1	No Gas	67134	0.00
Tl	205	1	No Gas	302277	0.00
Tl	203	1	No Gas	127922	0.00
Pb	208	1	No Gas	451673	0.00
U	238	1	No Gas	441443	0.00
Ca	43	2	He	5488	0.03
Sb	121	2	He	98223	0.00
Cu	63	1	No Gas	184469	0.00

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1296246	4.25	1326043	97.75	70	120	
Ge	72	2	He	1060077	2.23	1091369	97.13	70	120	
Ge	72	1	No Gas	3088719	2.87	3159633	97.76	70	120	

Calibration Standard Report

In	115	1	No Gas	3292155	2.13	3381547	97.36	70	120	
Bi	209	1	No Gas	2750123	3.12	2779551	98.94	70	120	

Calibration Standard Report

Sample Table

Sample Name	100/500/10K
Data File Name	023CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T10:15:32-05:00
Sample Type	CalStd
Level	5
Dilution	1
Comment	
ISTD Ref File Name	019CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	No Gas	565627	0.00
V	51	2	He	1018424	0.00
Cr	52	2	He	1162801	0.00
Fe	56	2	He	99537895	0.00
Se	78	2	He	19889	0.00
As	75	2	He	163882	0.00
Ca	44	2	He	814539	0.00
Na	23	2	He	17705795	0.00
Mg	24	2	He	10819548	0.00
K	39	2	He	16862577	0.00
Mn	55	2	He	918849	0.00
Co	59	2	He	1511341	0.00
Ni	60	2	He	363877	0.00
Cu	63	2	He	881982	0.00
Zn	66	2	He	191759	0.00
Al	27	2	He	88943	0.00
B	11	1	No Gas	1614097	0.00
Al	27	1	No Gas	2508530	0.00
Si	28	1	No Gas	7258744	0.00
Ag	107	1	No Gas	2079069	0.00
Cd	111	1	No Gas	391799	0.00
Sr	88	1	No Gas	4149280	0.00
Mo	95	1	No Gas	846271	0.00
Sn	118	1	No Gas	1199559	0.00
Sb	121	1	No Gas	1677975	0.00
Ba	137	1	No Gas	649934	0.00
Tl	205	1	No Gas	2973914	0.00
Tl	203	1	No Gas	1282854	0.00
Pb	208	1	No Gas	4383010	0.00
U	238	1	No Gas	4328848	0.00
Ca	43	2	He	50175	0.01
Sb	121	2	He	995858	0.00
Cu	63	1	No Gas	1705248	0.00

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1233472	0.98	1326043	93.02	70	120	
Ge	72	2	He	1032413	2.87	1091369	94.60	70	120	
Ge	72	1	No Gas	3039910	1.04	3159633	96.21	70	120	

Calibration Standard Report

In	115	1	No Gas	3194715	0.95	3381547	94.47	70	120	
Bi	209	1	No Gas	2691828	4.39	2779551	96.84	70	120	

Calibration Standard Report

Sample Table

Sample Name	200/1000/20K
Data File Name	024CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T10:17:20-05:00
Sample Type	CalStd
Level	6
Dilution	1
Comment	
ISTD Ref File Name	019CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	No Gas	1086649	0.00
V	51	2	He	2026196	0.00
Cr	52	2	He	2205751	0.00
Fe	56	2	He	193725377	0.00
Se	78	2	He	39065	0.00
As	75	2	He	323647	0.00
Ca	44	2	He	1609256	0.00
Na	23	2	He	34971765	0.00
Mg	24	2	He	21562501	0.00
K	39	2	He	32885249	0.00
Mn	55	2	He	1779771	0.00
Co	59	2	He	2851918	0.00
Ni	60	2	He	703492	0.00
Cu	63	2	He	1687688	0.00
Zn	66	2	He	372724	0.00
Al	27	2	He	169777	0.00
B	11	1	No Gas	3096619	0.00
Al	27	1	No Gas	4689639	0.00
Si	28	1	No Gas	13457272	0.00
Ag	107	1	No Gas	3909392	0.00
Cd	111	1	No Gas	769343	0.00
Sr	88	1	No Gas	8227121	0.00
Mo	95	1	No Gas	1658983	0.00
Sn	118	1	No Gas	2373638	0.00
Sb	121	1	No Gas	3285577	0.00
Ba	137	1	No Gas	1263543	0.00
Tl	205	1	No Gas	5696518	0.00
Tl	203	1	No Gas	2477831	0.00
Pb	208	1	No Gas	8364833	0.00
U	238	1	No Gas	8309604	0.00
Ca	43	2	He	98793	0.00
Sb	121	2	He	1981769	0.00
Cu	63	1	No Gas	3227887	0.00

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1210917	2.24	1326043	91.32	70	120	
Ge	72	2	He	998523	2.41	1091369	91.49	70	120	
Ge	72	1	No Gas	2998021	2.30	3159633	94.89	70	120	

Calibration Standard Report

In	115	1	No Gas	3118989	1.26	3381547	92.24	70	120	
Bi	209	1	No Gas	2567644	3.34	2779551	92.38	70	120	

Initial Calibration Verification (ICV) Report

Sample Table

Sample Name	ICV
Data File Name	026_ICV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T10:23:50-05:00
Sample Type	ICV
Dilution	1
Comment	
ISTD Ref File Name	019CALB.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
Li	7	1	No Gas	103.096	1.613	1866576	1.50	100	103.1	90	110	
Be	9	1	No Gas	101.603	1.980	560946	2.00	100	101.6	90	110	
V	51	2	He	97.814	1.398	1027808	1.13	100	97.8	90	110	
Cr	52	2	He	98.000	1.124	1145005	1.35	100	98.0	90	110	
Fe	56	2	He	9961.633	1.434	100312562	1.46	10000	99.6	90	110	
Se	78	2	He	97.950	1.104	19957	0.68	100	97.9	90	110	
As	75	2	He	101.375	0.810	170192	1.22	100	101.4	90	110	
Ca	44	2	He	9912.187	2.249	828183	2.53	10000	99.1	90	110	
Na	23	2	He	9855.233	0.664	17904168	0.25	10000	98.6	90	110	
Mg	24	2	He	9922.655	1.634	11069442	1.45	10000	99.2	90	110	
K	39	2	He	9965.066	1.136	17105722	0.90	10000	99.7	90	110	
Mn	55	2	He	98.218	2.261	910368	2.56	100	98.2	90	110	
Co	59	2	He	99.409	2.223	1482776	1.98	100	99.4	90	110	
Ni	60	2	He	97.963	1.017	359556	0.78	100	98.0	90	110	
Cu	63	2	He	99.227	0.312	873962	0.40	100	99.2	90	110	
Zn	66	2	He	100.432	1.199	195464	1.56	100	100.4	90	110	
Al	27	2	He	96.632	2.749	87370	2.27	100	96.6	90	110	
B	11	1	No Gas	505.954	2.332	1599561	2.23	500	101.2	90	110	
Al	27	1	No Gas	100.313	1.502	2475972	0.66	100	100.3	90	110	
Si	28	1	No Gas	511.940	2.373	7438937	0.89	500	102.4	90	110	
Ag	107	1	No Gas	102.484	1.305	2017865	1.12	100	102.5	90	110	
Cd	111	1	No Gas	100.066	0.887	384384	2.88	100	100.1	90	110	
Sr	88	1	No Gas	104.163	2.421	4271009	0.62	100	104.2	90	110	
Mo	95	1	No Gas	100.548	1.279	833261	1.12	100	100.5	90	110	
Sn	118	1	No Gas	101.913	2.295	1206430	3.05	100	101.9	90	110	
Sb	121	1	No Gas	102.100	1.975	1714355	2.95	100	102.1	90	110	
Ba	137	1	No Gas	100.790	2.056	637215	0.30	100	100.8	90	110	
Tl	205	1	No Gas	104.309	4.659	3043752	0.52	100	104.3	90	110	
Tl	203	1	No Gas	102.986	3.501	1305382	1.90	100	103.0	90	110	
Pb	208	1	No Gas	99.663	3.656	4275657	0.71	100	99.7	90	110	
U	238	1	No Gas	102.577	5.364	4363199	1.48	100	102.6	90	110	
Ca	43	2	He	9876.002	0.950	50637	0.63	10000	98.8	90	110	
Sb	121	2	He	96.594	0.492	990630	0.65	100	96.6	90	110	
Ti	47	2	He	101.401	1.651	45733	1.24	100	101.4	90	110	
Cu	63	1	No Gas	102.237	0.934	1699645	1.94	100	102.2	90	110	
Se	82	1	No Gas	97.773	2.484	30814	3.34	100	97.8	90	110	

QC ISTD Table

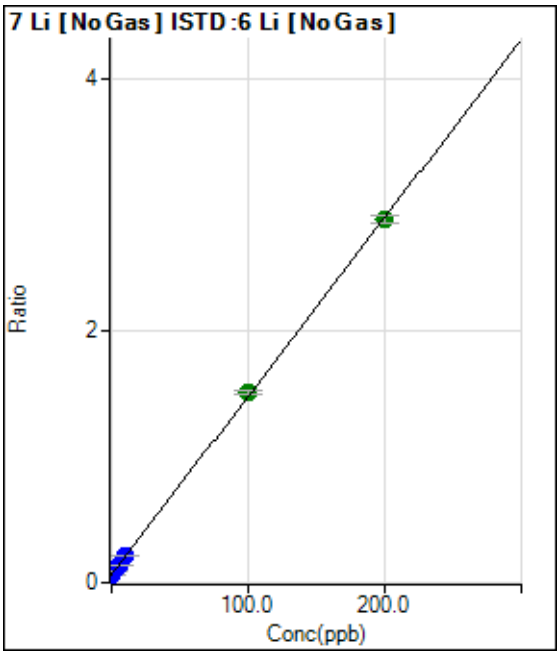
Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1225102	0.21	1326043	92.39	70	120	
Ge	72	2	He	1038676	0.43	1091369	95.17	70	120	
Ge	72	1	No Gas	3058874	1.41	3159633	96.81	70	120	
In	115	1	No Gas	3118013	2.34	3381547	92.21	70	120	
Bi	209	1	No Gas	2633029	4.33	2779551	94.73	70	120	

Calibration for 026_ICV.d

Batch Folder: C:\Agilent\ICPMH\1\DATA\062023A.b\
Analysis File: 062023A.batch.bin
DA Date-Time: 6/20/2023 12:11:32 PM
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	019CALB.d	CAL BLK	6/20/2023 10:07:53 AM
2	020CALS.d	2/10/200	6/20/2023 10:09:49 AM
3	021CALS.d	5/25/500	6/20/2023 10:11:44 AM
4	022CALS.d	10/50/100	6/20/2023 10:13:38 AM
5	023CALS.d	100/500/10K	6/20/2023 10:15:32 AM
6	024CALS.d	200/1000/20K	6/20/2023 10:17:20 AM

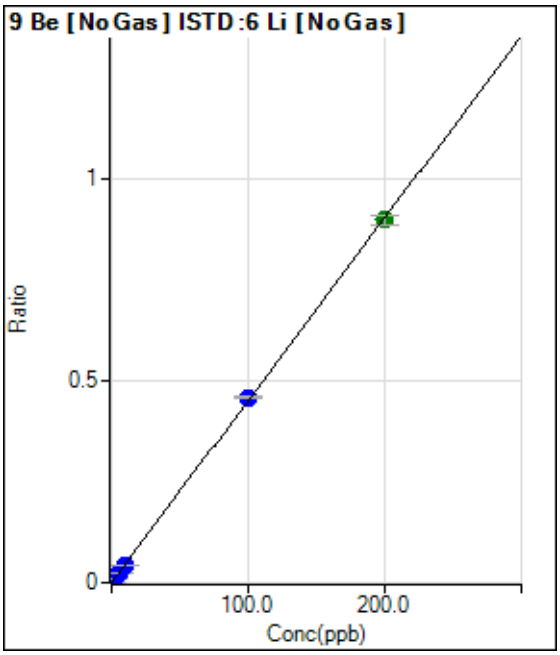
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	85197.48	0.0643	P	1.2
2	☐	2.000	2.076	121553.72	0.0936	P	2.1
3	☐	5.000	5.267	177273.45	0.1388	P	1.0
4	☐	10.000	10.474	275253.24	0.2125	P	3.0
5	☐	100.000	102.216	1863802.84	1.5112	A	1.5
6	☐	200.000	198.861	3485725.16	2.8792	A	2.3

y = 0.0142 * x + 0.0643
R = 0.9999
DL = 0.1672
BEC = 4.54

Weight: <None>
Min Conc: <None>

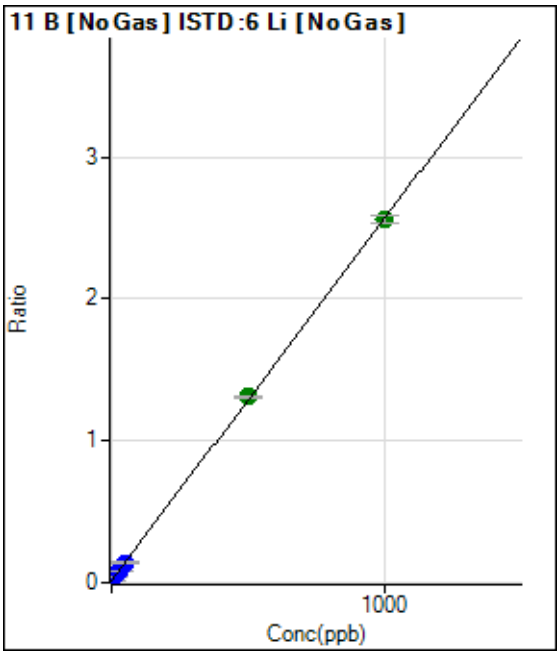


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	60.00	0.0000	P	15.1
2	☐	2.000	2.004	11781.66	0.0091	P	3.0
3	☐	5.000	5.055	29140.26	0.0228	P	3.7
4	☐	10.000	9.806	57271.14	0.0442	P	3.9
5	☐	100.000	101.757	565627.31	0.4586	P	0.4
6	☐	200.000	199.130	1086648.97	0.8973	A	2.4

y = 0.0045 * x + 4.5187E-005
R = 0.9999
DL = 0.004549
BEC = 0.01003

Weight: <None>
Min Conc: <None>

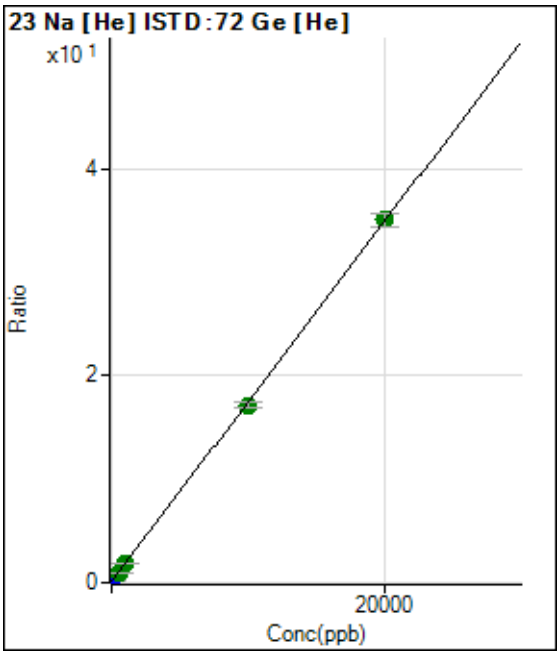
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	19830.69	0.0150	P	0.9
2	☐	10.000	9.652	51373.72	0.0396	P	2.6
3	☐	25.000	24.847	100000.34	0.0783	P	3.8
4	☐	50.000	49.345	182291.56	0.1408	P	5.3
5	☐	500.000	507.081	1614097.21	1.3085	A	0.5
6	☐	1000.000	996.500	3096618.81	2.5571	A	2.2

y = 0.0026 * x + 0.0150
R = 1.0000
DL = 0.1557
BEC = 5.863

Weight: <None>
Min Conc: <None>

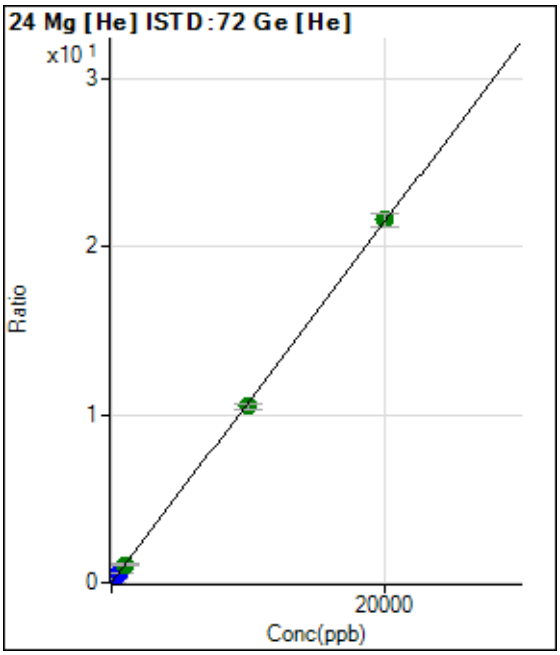


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	110343.30	0.1011	P	1.6
2	☐	200.000	214.217	506930.60	0.4736	P	2.2
3	☐	500.000	505.181	1051892.79	0.9795	A	3.0
4	☐	1000.000	997.970	1945980.13	1.8364	A	3.0
5	☐	10000.00	9810.103	17705795.15	17.1593	A	3.1
6	☐	20000.00	20094.77	34971765.31	35.0428	A	3.4

y = 0.0017 * x + 0.1011
R = 0.9999
DL = 2.763
BEC = 58.15

Weight: <None>
Min Conc: <None>

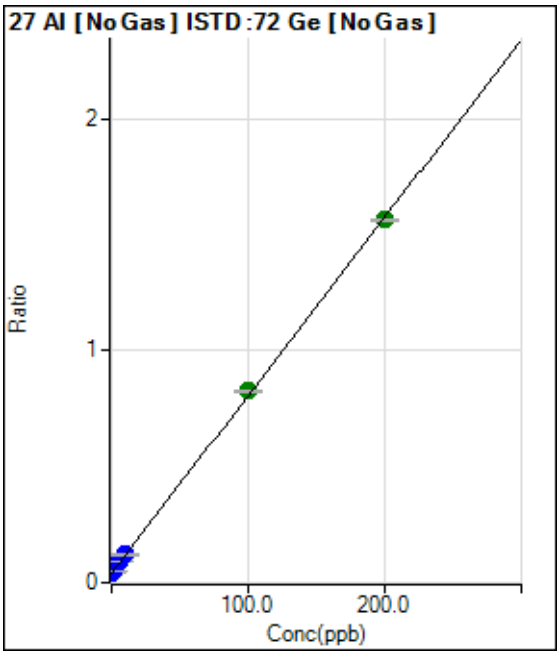
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1663.46	0.0015	P	11.5
2	☐	200.000	211.531	244782.00	0.2287	P	2.7
3	☐	500.000	520.850	602390.93	0.5609	P	1.2
4	☐	1000.000	999.593	1138734.18	1.0750	A	5.0
5	☐	10000.00	9763.028	10819547.76	10.4861	A	3.1
6	☐	20000.00	20117.87	21562500.51	21.6062	A	3.4

y = 0.0011 * x + 0.0015
R = 0.9999
DL = 0.4905
BEC = 1.418

Weight: <None>
Min Conc: <None>

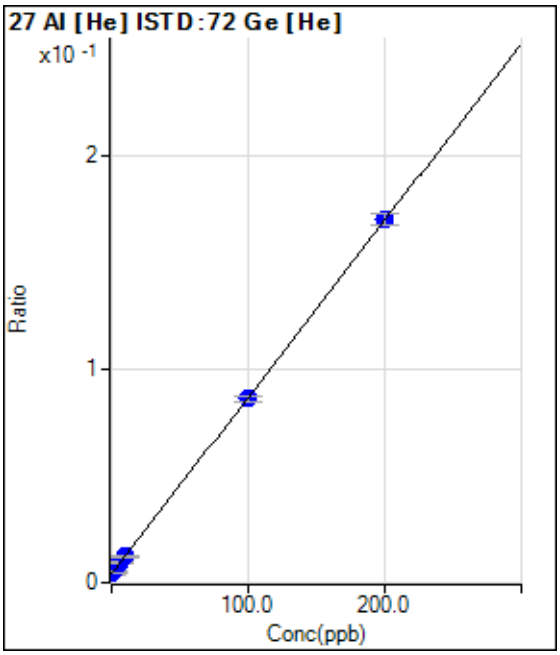


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	128728.27	0.0408	P	2.3
2	☐	2.000	1.366	160725.08	0.0512	P	2.3
3	☐	5.000	6.527	278566.74	0.0908	P	3.1
4	☐	10.000	10.469	373436.99	0.1210	P	3.9
5	☐	100.000	102.352	2508530.12	0.8252	A	1.1
6	☐	200.000	198.769	4689638.78	1.5641	A	0.7

y = 0.0077 * x + 0.0408
R = 0.9999
DL = 0.3718
BEC = 5.317

Weight: <None>
Min Conc: <None>

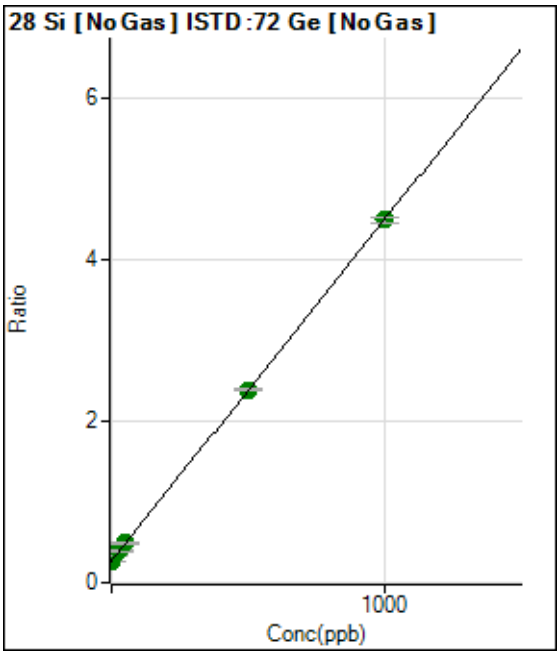
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4444.11	0.0041	P	3.0
2	☐	2.000	1.096	5331.12	0.0050	P	1.7
3	☐	5.000	6.207	9890.39	0.0092	P	7.7
4	☐	10.000	9.992	13083.02	0.0123	P	5.9
5	☐	100.000	99.132	88943.35	0.0862	P	2.7
6	☐	200.000	200.413	169776.60	0.1701	P	3.3

y = 8.2840E-004 * x + 0.0041
R = 1.0000
DL = 0.4412
BEC = 4.916

Weight: <None>
Min Conc: <None>

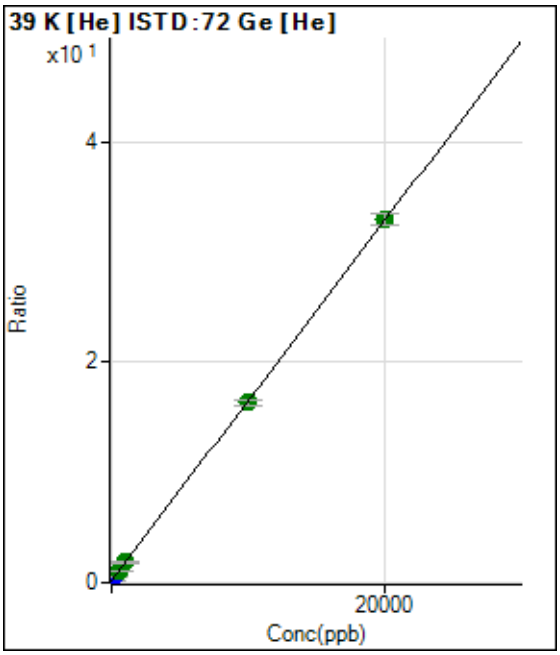


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	853658.42	0.2702	A	1.9
2	☐	10.000	12.254	1010504.36	0.3220	A	0.4
3	☐	25.000	29.071	1206423.91	0.3930	A	2.3
4	☐	50.000	52.481	1518345.60	0.4919	A	3.2
5	☐	500.000	501.387	7258744.48	2.3878	A	1.2
6	☐	1000.000	999.058	13457271.88	4.4897	A	1.6

y = 0.0042 * x + 0.2702
R = 1.0000
DL = 3.581
BEC = 63.98

Weight: <None>
Min Conc: <None>

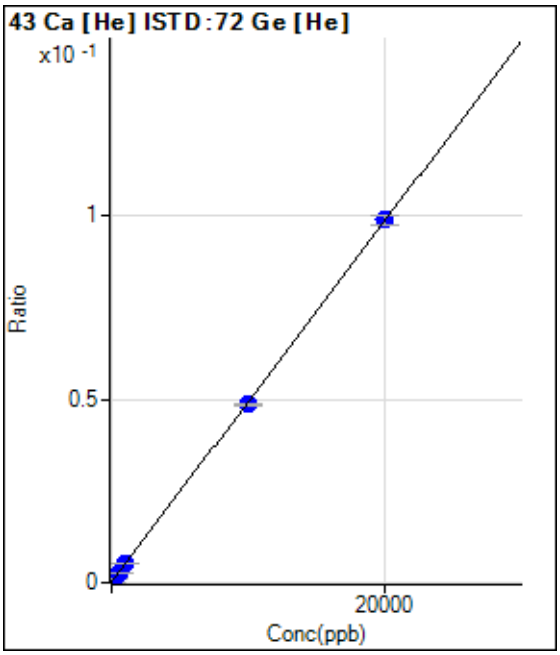
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	213297.46	0.1955	P	1.4
2	☐	200.000	210.641	577395.09	0.5394	P	2.3
3	☐	500.000	504.106	1094095.11	1.0187	A	1.8
4	☐	1000.000	1004.271	1944736.38	1.8355	A	3.6
5	☐	10000.00	9887.358	16862576.83	16.3422	A	2.9
6	☐	20000.00	20055.89	32885248.68	32.9482	A	3.1

y = 0.0016 * x + 0.1955
R = 1.0000
DL = 5.143
BEC = 119.7

Weight: <None>
Min Conc: <None>

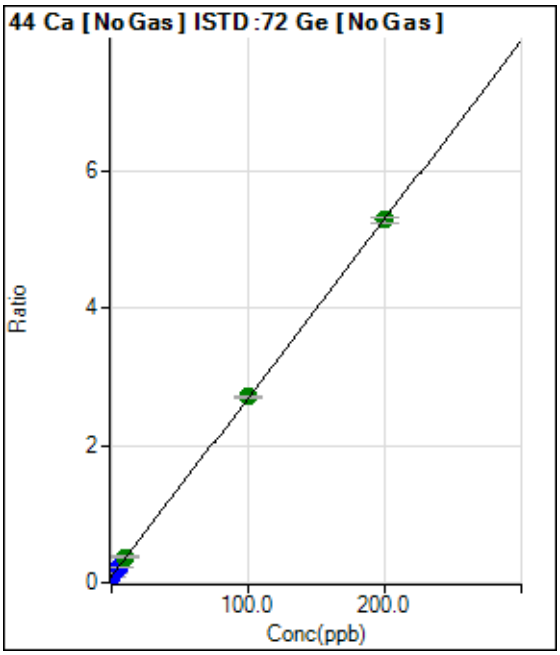


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	133.33	0.0001	P	17.9
2	☐	200.000	209.162	1233.41	0.0012	P	2.4
3	☐	500.000	481.167	2677.00	0.0025	P	4.8
4	☐	1000.000	1026.928	5487.86	0.0052	P	3.1
5	☐	10000.00	9845.744	50175.02	0.0486	P	1.1
6	☐	20000.00	20076.16	98793.49	0.0990	P	2.7

y = 4.9241E-006 * x + 1.2204E-004
R = 1.0000
DL = 13.33
BEC = 24.78

Weight: <None>
Min Conc: <None>

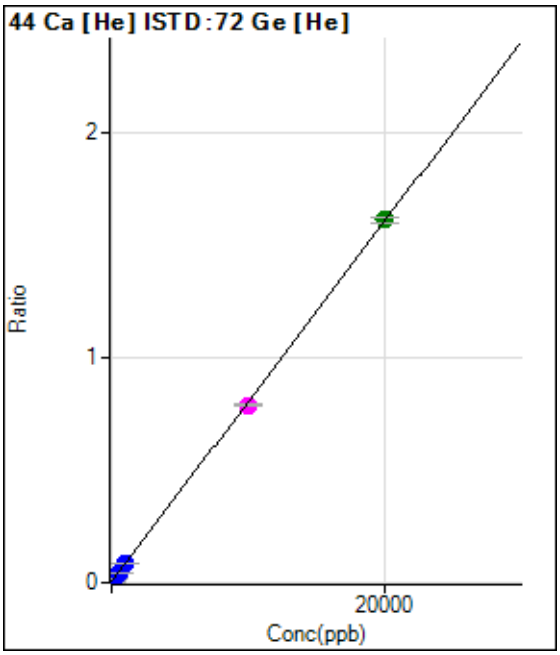
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	284480.11	0.0901	P	2.0
2	☐	2.000	2.183	460683.33	0.1468	P	1.4
3	☐	5.000	5.525	717034.39	0.2337	P	3.6
4	☐	10.000	11.011	1161744.67	0.3762	A	1.7
5	☐	100.000	100.545	8217776.54	2.7033	A	0.8
6	☐	200.000	199.662	15826472.26	5.2795	A	1.6

y = 0.0260 * x + 0.0901
R = 1.0000
DL = 0.2073
BEC = 3.465

Weight: <None>
Min Conc: <None>

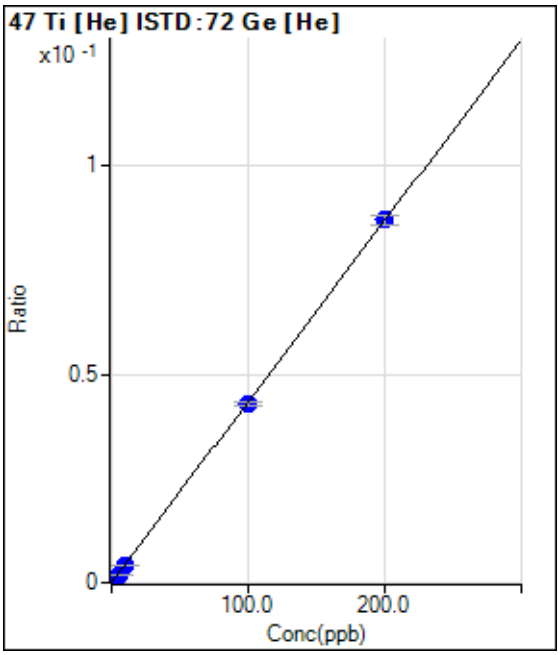


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4790.92	0.0044	P	7.9
2	☐	200.000	198.132	21664.02	0.0202	P	2.5
3	☐	500.000	498.442	47545.76	0.0443	P	0.3
4	☐	1000.000	996.459	89124.28	0.0841	P	2.3
5	☐	10000.00	9808.656	814538.76	0.7890	M	0.5
6	☐	20000.00	20095.90	1609256.07	1.6120	A	1.3

y = 7.9995E-005 * x + 0.0044
R = 0.9999
DL = 13.04
BEC = 54.89

Weight: <None>
Min Conc: <None>

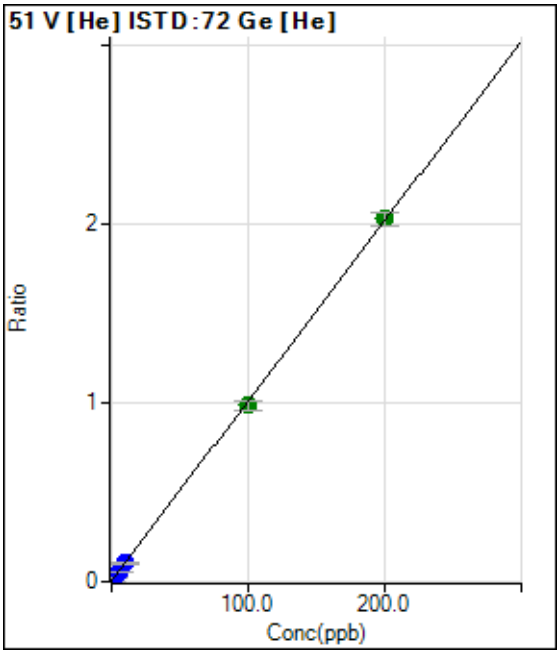
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	10.00	0.0000	P	100.6
2	☐	2.000	1.977	930.05	0.0009	P	12.0
3	☐	5.000	4.613	2160.21	0.0020	P	4.8
4	☐	10.000	9.543	4397.46	0.0042	P	6.6
5	☐	100.000	98.986	44355.34	0.0430	P	2.9
6	☐	200.000	200.540	86914.16	0.0871	P	2.4

y = 4.3415E-004 * x + 9.1625E-006
R = 1.0000
DL = 0.06367
BEC = 0.0211

Weight: <None>
Min Conc: <None>

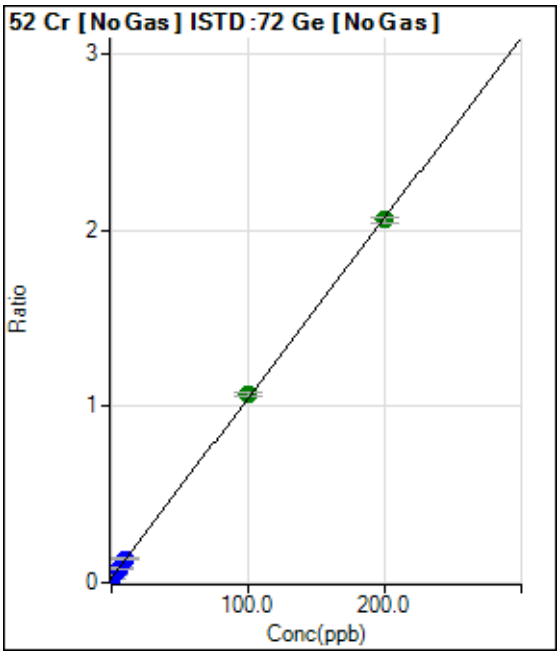


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5586.73	0.0051	P	3.6
2	☐	2.000	1.950	26492.28	0.0247	P	0.9
3	☐	5.000	4.902	58481.97	0.0545	P	1.5
4	☐	10.000	9.730	109189.28	0.1031	P	3.3
5	☐	100.000	97.594	1018424.09	0.9873	A	4.9
6	☐	200.000	201.220	2026196.38	2.0303	A	3.7

y = 0.0101 * x + 0.0051
R = 0.9999
DL = 0.05481
BEC = 0.5087

Weight: <None>
Min Conc: <None>

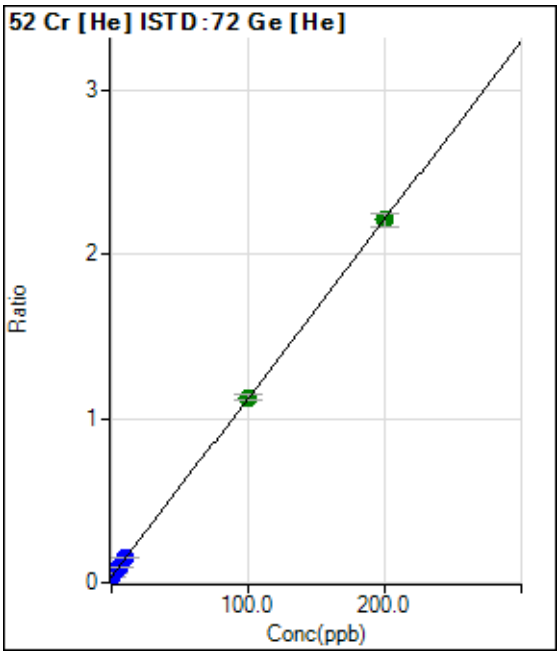
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	78390.82	0.0248	P	1.6
2	☐	2.000	2.298	151531.49	0.0483	P	3.1
3	☐	5.000	5.418	246102.27	0.0802	P	4.5
4	☐	10.000	10.822	418186.48	0.1354	P	2.1
5	☐	100.000	102.112	3248987.66	1.0687	A	1.7
6	☐	200.000	198.889	6170605.12	2.0581	A	1.7

y = 0.0102 * x + 0.0248
R = 0.9999
DL = 0.1165
BEC = 2.426

Weight: <None>
Min Conc: <None>

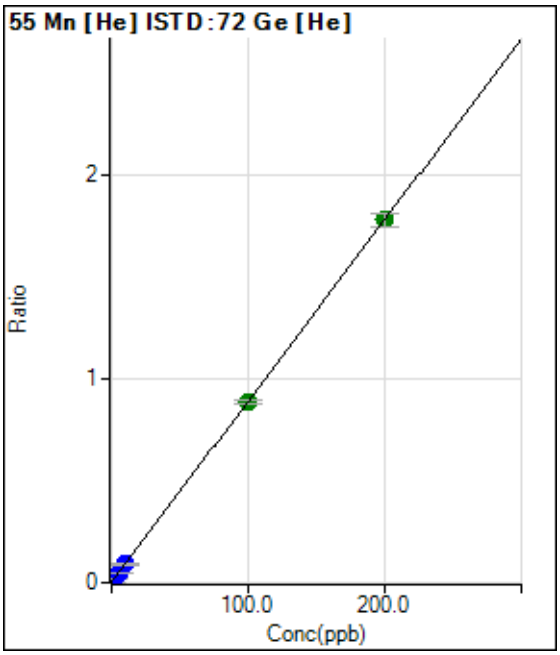


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	39527.38	0.0362	P	4.6
2	☐	2.000	2.223	64659.19	0.0604	P	1.2
3	☐	5.000	5.062	98029.80	0.0913	P	2.2
4	☐	10.000	10.473	159094.17	0.1502	P	3.5
5	☐	100.000	100.270	1162800.63	1.1270	A	3.5
6	☐	200.000	199.838	2205750.85	2.2102	A	3.5

y = 0.0109 * x + 0.0362
R = 1.0000
DL = 0.4563
BEC = 3.329

Weight: <None>
Min Conc: <None>

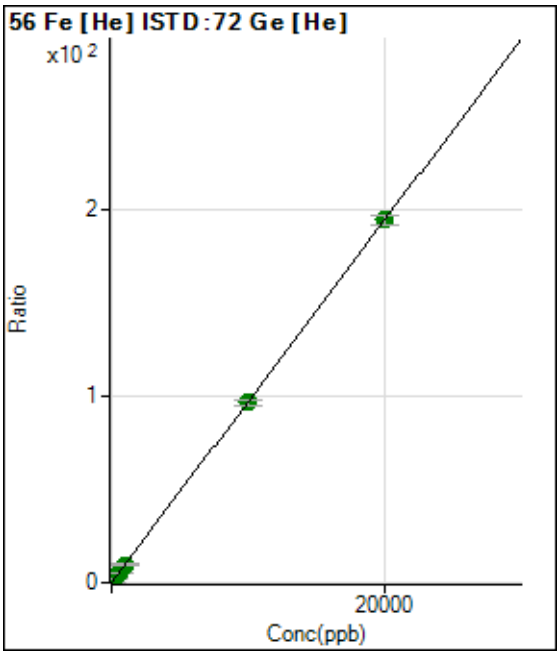
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2296.90	0.0021	P	2.5
2	☐	2.000	2.070	21977.99	0.0205	P	2.0
3	☐	5.000	4.979	49861.14	0.0464	P	2.1
4	☐	10.000	9.953	96103.78	0.0907	P	3.5
5	☐	100.000	99.788	918849.31	0.8904	A	2.5
6	☐	200.000	200.108	1779770.81	1.7835	A	3.8

y = 0.0089 * x + 0.0021
R = 1.0000
DL = 0.01805
BEC = 0.2364

Weight: <None>
Min Conc: <None>

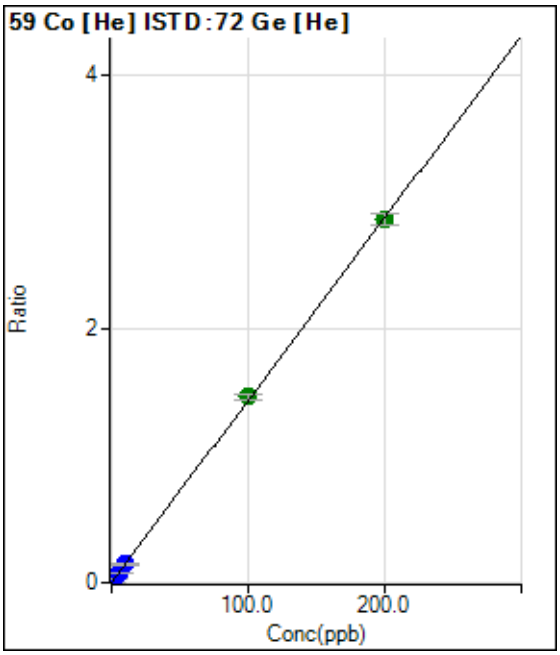


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	55607.21	0.0509	P	5.8
2	☐	200.000	206.215	2193446.32	2.0491	A	1.8
3	☐	500.000	498.370	5241489.09	4.8801	A	0.8
4	☐	1000.000	982.128	10136641.51	9.5676	A	4.4
5	☐	10000.00	9951.052	99537895.18	96.4751	A	3.4
6	☐	20000.00	20025.34	193725377.1	194.093	A	2.6

y = 0.0097 * x + 0.0509
R = 1.0000
DL = 0.9136
BEC = 5.257

Weight: <None>
Min Conc: <None>

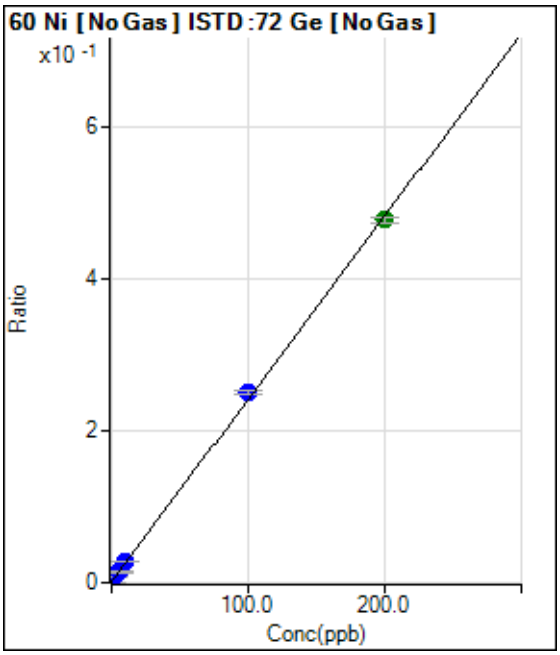
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	420.02	0.0004	P	35.6
2	☐	2.000	1.990	30992.25	0.0290	P	2.6
3	☐	5.000	4.927	76393.93	0.0711	P	1.3
4	☐	10.000	10.062	153487.78	0.1449	P	3.3
5	☐	100.000	101.993	1511340.60	1.4647	A	3.0
6	☐	200.000	199.002	2851917.56	2.8575	A	3.2

y = 0.0144 * x + 3.8398E-004
R = 0.9999
DL = 0.02858
BEC = 0.02674

Weight: <None>
Min Conc: <None>

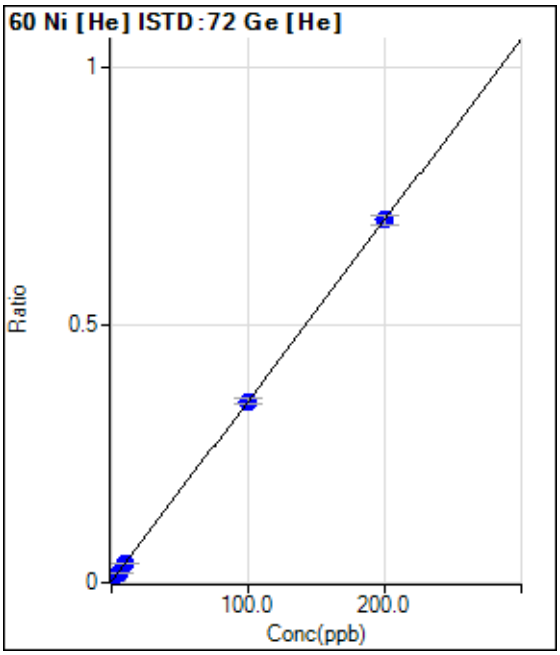


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3453.85	0.0011	P	20.4
2	☐	2.000	2.308	20856.26	0.0066	P	4.6
3	☐	5.000	5.397	43235.76	0.0141	P	3.7
4	☐	10.000	10.726	83096.14	0.0269	P	2.3
5	☐	100.000	103.742	762588.87	0.2508	P	1.3
6	☐	200.000	198.080	1432996.85	0.4780	A	1.4

y = 0.0024 * x + 0.0011
R = 0.9998
DL = 0.2773
BEC = 0.4533

Weight: <None>
Min Conc: <None>

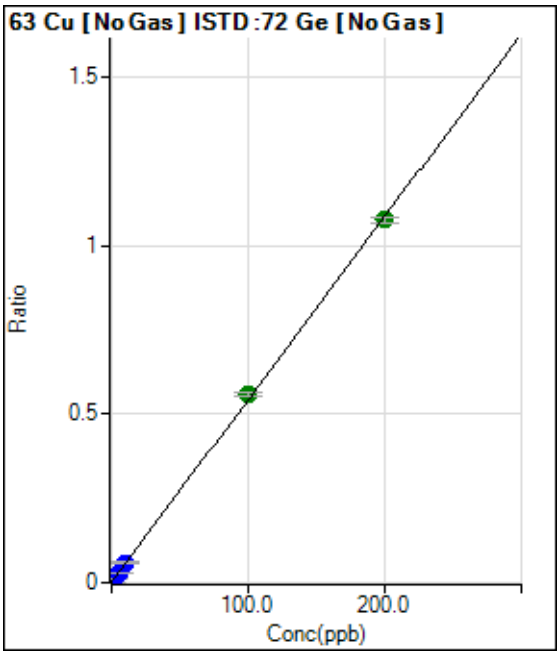
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2323.57	0.0021	P	7.8
2	☐	2.000	2.184	10490.92	0.0098	P	0.8
3	☐	5.000	5.128	21627.41	0.0201	P	1.3
4	☐	10.000	10.115	39905.42	0.0377	P	2.2
5	☐	100.000	99.817	363877.14	0.3527	P	3.4
6	☐	200.000	200.081	703491.97	0.7048	P	2.5

y = 0.0035 * x + 0.0021
R = 1.0000
DL = 0.1414
BEC = 0.606

Weight: <None>
Min Conc: <None>

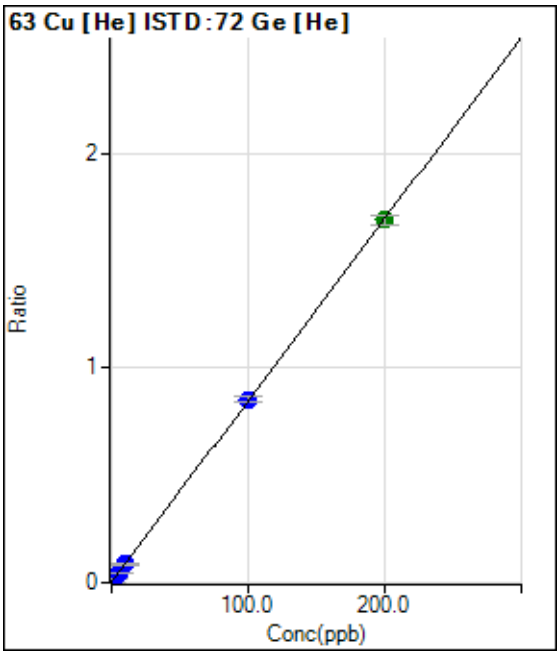


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3530.51	0.0011	P	8.6
2	☐	2.000	2.319	42971.50	0.0137	P	1.4
3	☐	5.000	5.457	94249.44	0.0307	P	4.2
4	☐	10.000	10.812	184468.53	0.0598	P	3.0
5	☐	100.000	103.211	1705248.15	0.5609	A	2.1
6	☐	200.000	198.339	3227886.72	1.0769	A	1.6

y = 0.0054 * x + 0.0011
R = 0.9998
DL = 0.05303
BEC = 0.206

Weight: <None>
Min Conc: <None>

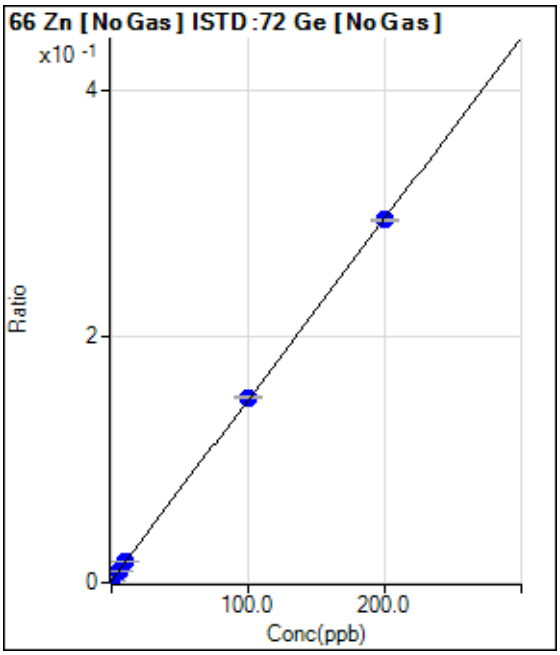
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1656.80	0.0015	P	8.6
2	☐	2.000	2.185	21417.14	0.0200	P	5.0
3	☐	5.000	5.062	47650.45	0.0444	P	1.5
4	☐	10.000	10.125	92369.88	0.0872	P	6.5
5	☐	100.000	100.815	881982.18	0.8549	P	3.5
6	☐	200.000	199.583	1687688.46	1.6909	A	2.5

y = 0.0085 * x + 0.0015
R = 1.0000
DL = 0.04621
BEC = 0.1794

Weight: <None>
Min Conc: <None>

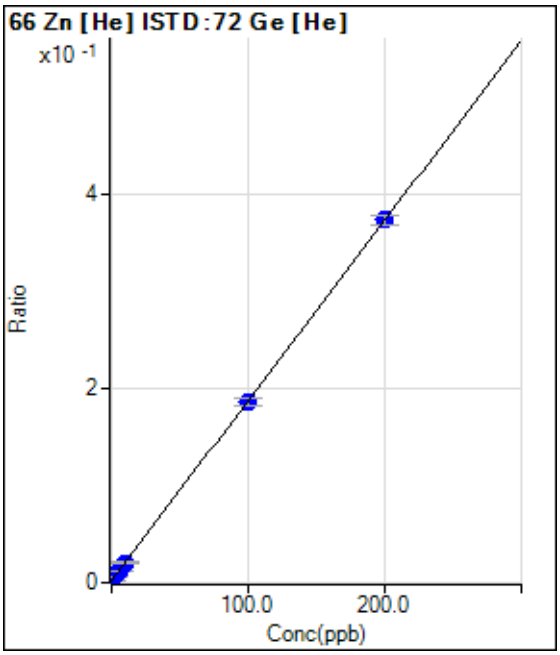


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5301.13	0.0017	P	4.4
2	☐	2.000	2.692	17661.79	0.0056	P	7.1
3	☐	5.000	5.360	29291.95	0.0095	P	4.5
4	☐	10.000	10.491	52739.41	0.0171	P	1.6
5	☐	100.000	101.193	456599.20	0.1502	P	1.1
6	☐	200.000	199.363	882196.26	0.2943	P	0.3

y = 0.0015 * x + 0.0017
R = 1.0000
DL = 0.1496
BEC = 1.143

Weight: <None>
Min Conc: <None>

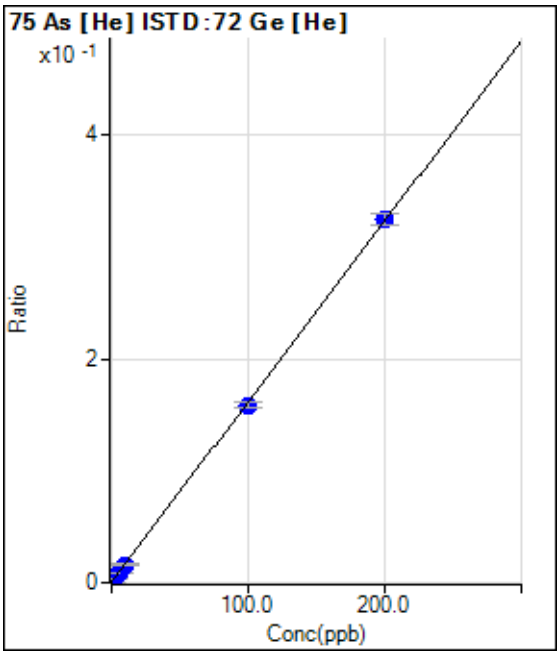
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2270.23	0.0021	P	5.6
2	☐	2.000	2.553	7288.77	0.0068	P	7.0
3	☐	5.000	4.916	12018.83	0.0112	P	2.4
4	☐	10.000	10.021	21877.93	0.0206	P	3.7
5	☐	100.000	99.183	191758.58	0.1859	P	3.6
6	☐	200.000	200.404	372724.42	0.3734	P	2.6

y = 0.0019 * x + 0.0021
R = 1.0000
DL = 0.1872
BEC = 1.123

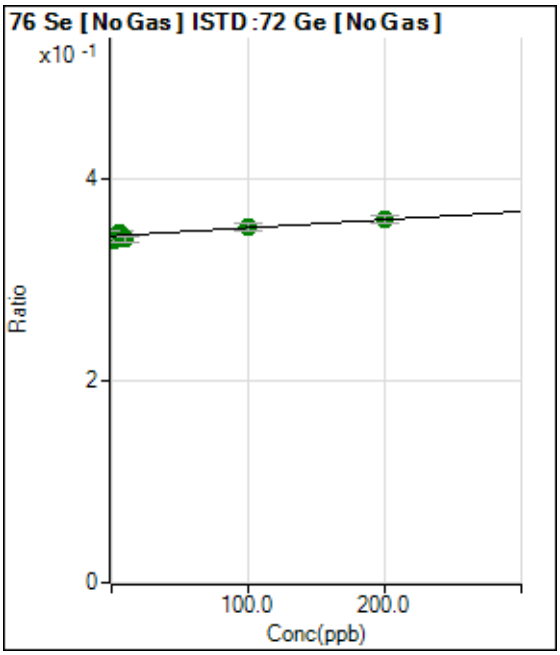
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	450.01	0.0004	P	5.0
2	☐	2.000	1.944	3797.22	0.0035	P	2.4
3	☐	5.000	4.732	8636.14	0.0080	P	1.8
4	☐	10.000	9.798	17175.38	0.0162	P	3.4
5	☐	100.000	98.252	163882.27	0.1588	P	2.6
6	☐	200.000	200.891	323647.10	0.3243	P	3.2

y = 0.0016 * x + 4.1247E-004
R = 0.9999
DL = 0.03872
BEC = 0.2558

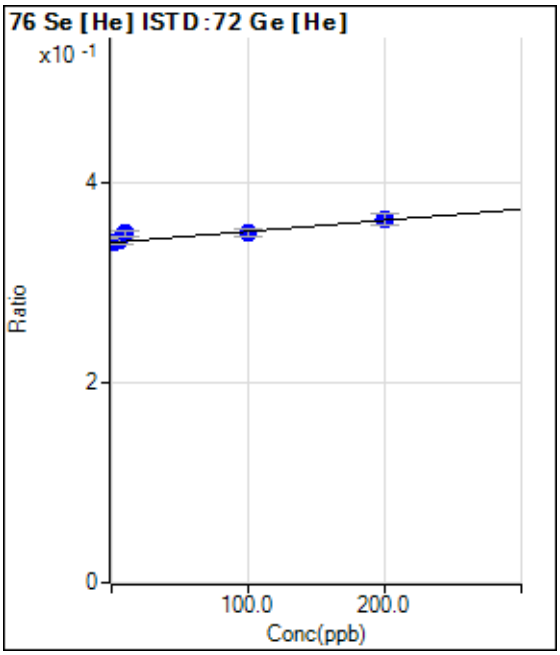
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1085434.88	0.3436	A	1.7
2	☐	2.000	-58.535	1063464.49	0.3389	A	1.0
3	☐	5.000	29.988	1062091.13	0.3460	A	1.8
4	☐	10.000	-34.256	1052358.11	0.3408	A	1.6
5	☐	100.000	111.688	1071891.28	0.3526	A	1.7
6	☐	200.000	196.349	1077646.00	0.3594	A	2.2

y = 8.0697E-005 * x + 0.3436
R = 0.9435
DL = 220.3
BEC = 4258

Weight: <None>
Min Conc: <None>

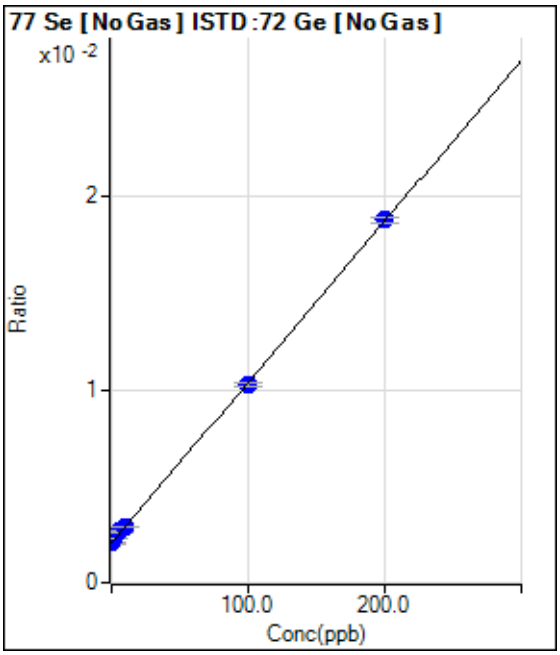


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	371922.21	0.3408	P	1.4
2	☐	2.000	3.343	365266.65	0.3412	P	0.4
3	☐	5.000	13.587	367664.41	0.3423	P	1.5
4	☐	10.000	79.643	370621.19	0.3497	P	1.7
5	☐	100.000	87.018	361745.51	0.3505	P	2.1
6	☐	200.000	202.781	362732.70	0.3635	P	3.1

y = 1.1163E-004 * x + 0.3408
R = 0.9336
DL = 131.5
BEC = 3053

Weight: <None>
Min Conc: <None>

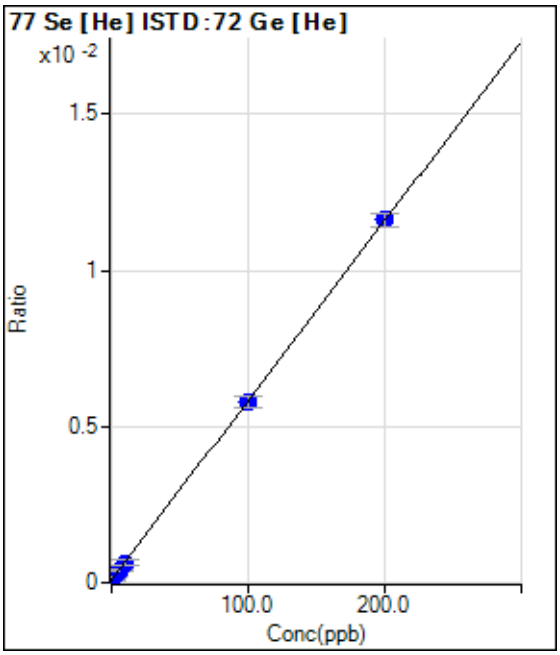
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6478.32	0.0020	P	6.2
2	☐	2.000	2.827	7172.07	0.0023	P	3.1
3	☐	5.000	7.101	8105.93	0.0026	P	5.0
4	☐	10.000	10.177	8949.80	0.0029	P	2.8
5	☐	100.000	98.170	31123.06	0.0102	P	2.0
6	☐	200.000	200.845	56368.14	0.0188	P	1.3

y = 8.3411E-005 * x + 0.0020
R = 0.9999
DL = 4.538
BEC = 24.58

Weight: <None>
Min Conc: <None>

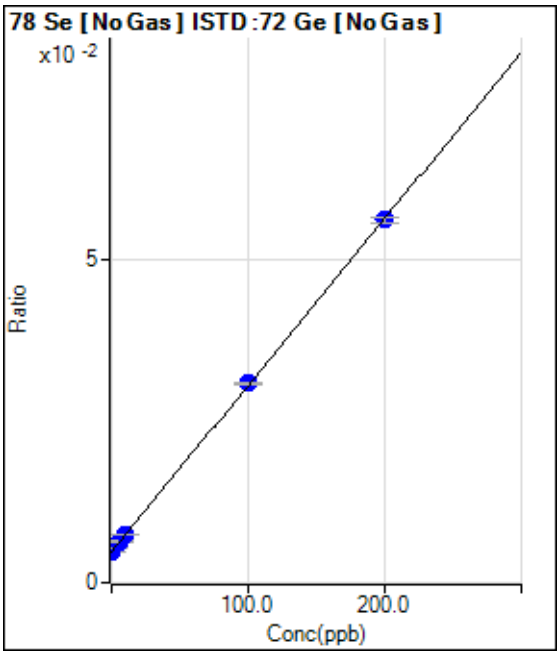


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	100.00	0.0001	P	16.3
2	☐	2.000	2.153	230.01	0.0002	P	18.5
3	☐	5.000	5.327	426.69	0.0004	P	5.6
4	☐	10.000	9.244	656.69	0.0006	P	30.6
5	☐	100.000	98.790	5948.11	0.0058	P	6.7
6	☐	200.000	200.633	11588.49	0.0116	P	3.4

y = 5.7417E-005 * x + 9.1529E-005
R = 1.0000
DL = 0.7772
BEC = 1.594

Weight: <None>
Min Conc: <None>

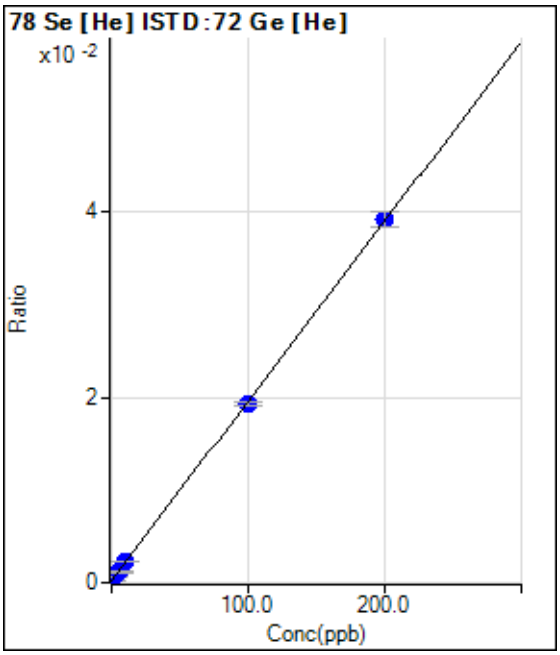
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	15065.35	0.0048	P	1.7
2	☐	2.000	2.875	17284.70	0.0055	P	2.0
3	☐	5.000	5.972	19340.84	0.0063	P	4.6
4	☐	10.000	10.691	23216.95	0.0075	P	0.5
5	☐	100.000	101.049	93436.73	0.0307	P	0.6
6	☐	200.000	199.408	167881.24	0.0560	P	1.8

y = 2.5698E-004 * x + 0.0048
R = 1.0000
DL = 0.9331
BEC = 18.56

Weight: <None>
Min Conc: <None>

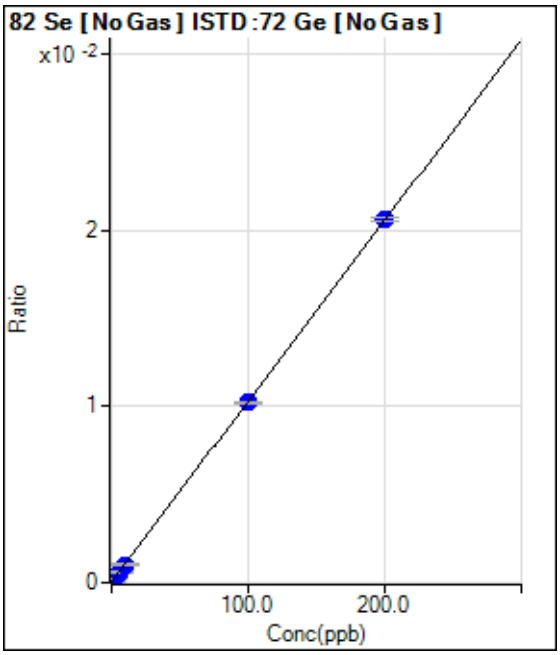


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	265.33	0.0002	P	3.4
2	☐	2.000	1.982	671.35	0.0006	P	6.8
3	☐	5.000	4.749	1249.39	0.0012	P	8.5
4	☐	10.000	10.301	2372.22	0.0022	P	2.3
5	☐	100.000	98.255	19888.68	0.0193	P	2.7
6	☐	200.000	200.864	39065.12	0.0391	P	4.1

y = 1.9369E-004 * x + 2.4308E-004
R = 0.9999
DL = 0.1261
BEC = 1.255

Weight: <None>
Min Conc: <None>

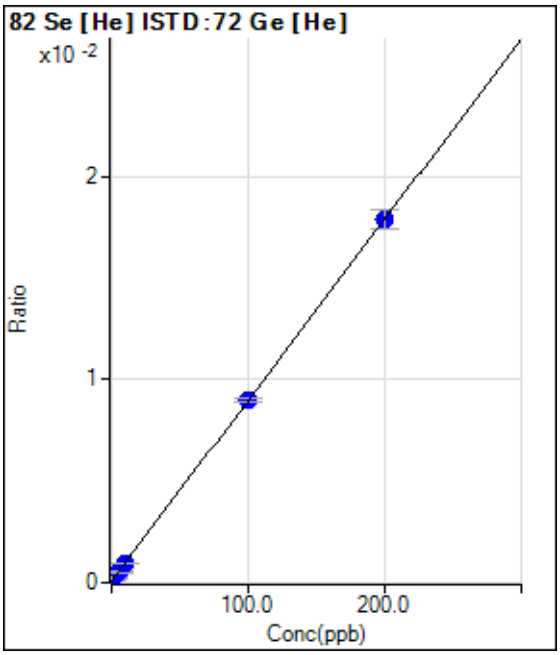
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	134.93	0.0000	P	61.1
2	☐	2.000	1.670	671.09	0.0002	P	5.3
3	☐	5.000	5.264	1784.43	0.0006	P	13.3
4	☐	10.000	9.623	3181.28	0.0010	P	5.2
5	☐	100.000	99.219	31071.79	0.0102	P	1.0
6	☐	200.000	200.406	61751.28	0.0206	P	1.2

y = 1.0259E-004 * x + 4.2505E-005
R = 1.0000
DL = 0.7595
BEC = 0.4143

Weight: <None>
Min Conc: <None>

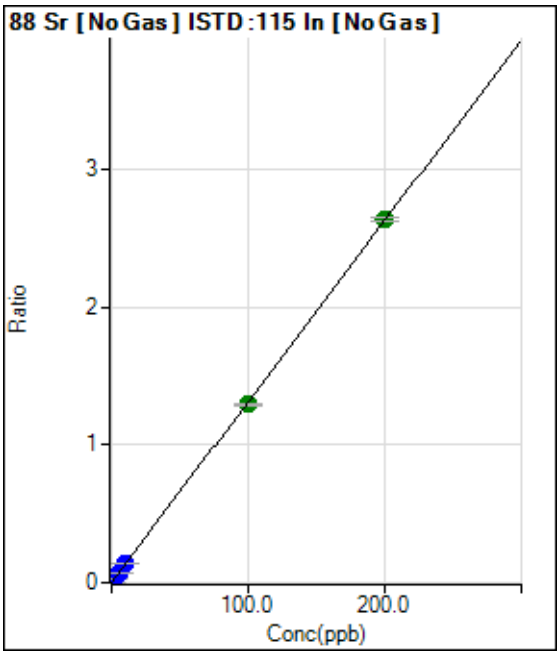


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	103.33	0.0001	P	36.5
2	☐	2.000	1.740	266.68	0.0002	P	11.7
3	☐	5.000	4.908	570.02	0.0005	P	4.1
4	☐	10.000	9.627	1006.72	0.0009	P	0.8
5	☐	100.000	100.390	9300.02	0.0090	P	2.4
6	☐	200.000	199.828	17808.74	0.0178	P	5.4

y = 8.8829E-005 * x + 9.4604E-005
R = 1.0000
DL = 1.165
BEC = 1.065

Weight: <None>
Min Conc: <None>

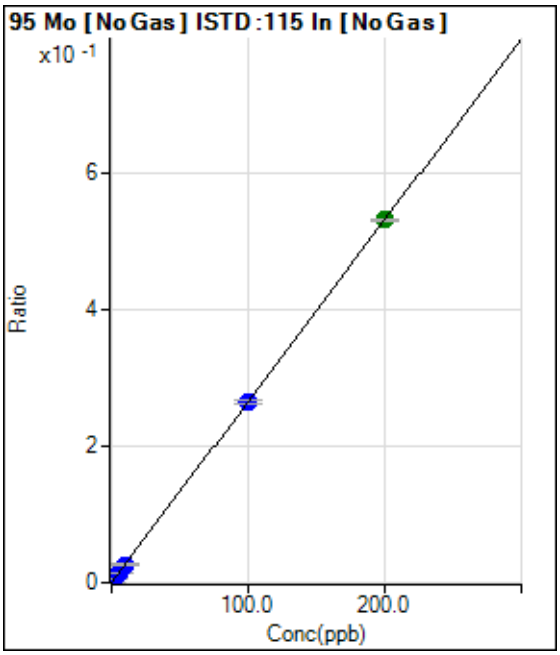
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4784.28	0.0014	P	3.8
2	☐	2.000	2.056	93874.67	0.0284	P	1.3
3	☐	5.000	5.046	224100.86	0.0677	P	0.2
4	☐	10.000	10.177	444900.20	0.1352	P	1.5
5	☐	100.000	98.726	4149279.94	1.2988	A	1.0
6	☐	200.000	200.627	8227120.71	2.6380	A	1.1

y = 0.0131 * x + 0.0014
R = 1.0000
DL = 0.0124
BEC = 0.1076

Weight: <None>
Min Conc: <None>

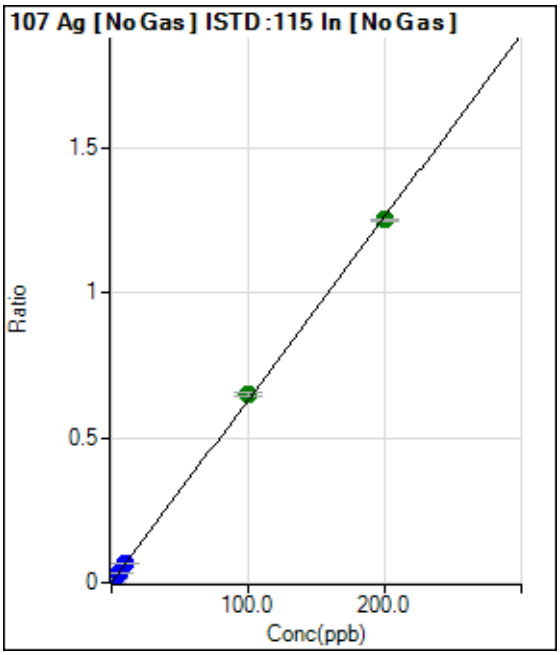


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	853.38	0.0003	P	8.2
2	☐	2.000	1.963	18045.87	0.0055	P	5.4
3	☐	5.000	4.800	43006.52	0.0130	P	3.1
4	☐	10.000	9.936	87674.61	0.0266	P	2.5
5	☐	100.000	99.643	846271.00	0.2649	P	1.3
6	☐	200.000	200.187	1658983.36	0.5319	A	0.6

y = 0.0027 * x + 2.5220E-004
R = 1.0000
DL = 0.02347
BEC = 0.09496

Weight: <None>
Min Conc: <None>

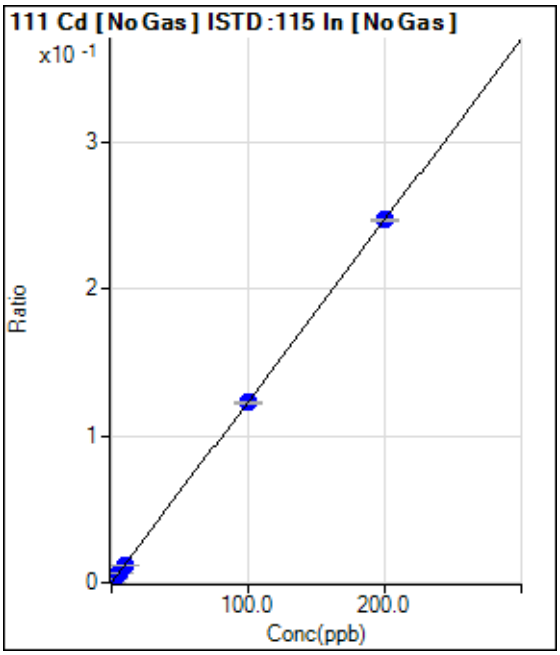
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	416.68	0.0001	P	13.1
2	☐	2.000	2.098	44153.81	0.0134	P	0.7
3	☐	5.000	5.162	108257.89	0.0327	P	2.3
4	☐	10.000	10.329	215165.60	0.0654	P	0.6
5	☐	100.000	103.027	2079068.62	0.6507	A	2.5
6	☐	200.000	198.465	3909392.44	1.2534	A	0.2

y = 0.0063 * x + 1.2304E-004
R = 0.9998
DL = 0.007659
BEC = 0.01948

Weight: <None>
Min Conc: <None>

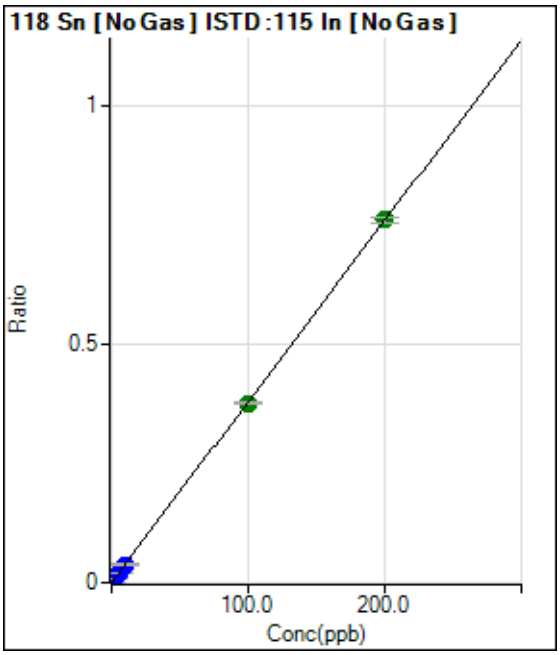


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	-16.98	0.0000	P	-60.9
2	☐	2.000	1.975	8015.33	0.0024	P	4.2
3	☐	5.000	4.889	19907.31	0.0060	P	4.0
4	☐	10.000	9.976	40442.65	0.0123	P	1.0
5	☐	100.000	99.551	391799.35	0.1226	P	1.1
6	☐	200.000	200.229	769342.86	0.2467	P	0.4

y = 0.0012 * x - 5.0398E-006
R = 1.0000
DL = 0.007476
BEC = -0.004091

Weight: <None>
Min Conc: <None>

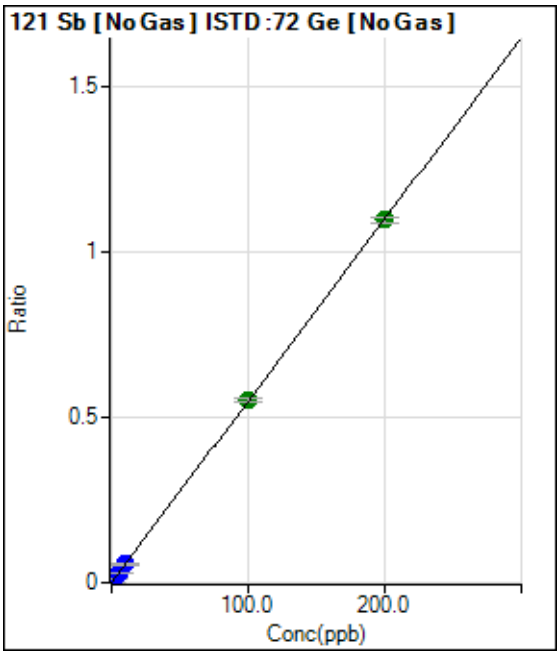
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1703.48	0.0005	P	2.9
2	☐	2.000	1.986	26533.77	0.0080	P	0.7
3	☐	5.000	4.803	61922.62	0.0187	P	2.7
4	☐	10.000	9.939	125714.77	0.0382	P	1.2
5	☐	100.000	98.886	1199558.66	0.3755	A	0.9
6	☐	200.000	200.565	2373637.78	0.7610	A	1.9

y = 0.0038 * x + 5.0366E-004
R = 1.0000
DL = 0.01167
BEC = 0.1328

Weight: <None>
Min Conc: <None>

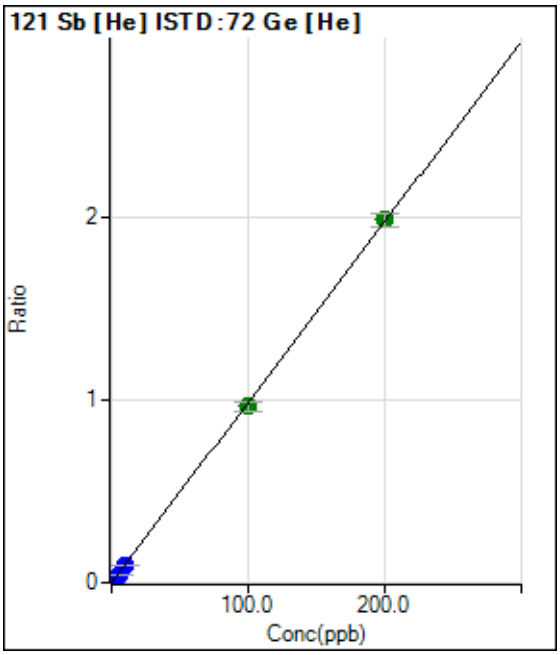


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	333.34	0.0001	P	26.1
2	☐	2.000	2.013	34997.11	0.0112	P	2.5
3	☐	5.000	5.081	85897.22	0.0280	P	2.8
4	☐	10.000	10.153	172305.55	0.0558	P	3.6
5	☐	100.000	100.556	1677975.34	0.5519	A	1.5
6	☐	200.000	199.712	3285577.03	1.0961	A	1.3

y = 0.0055 * x + 1.0561E-004
R = 1.0000
DL = 0.01508
BEC = 0.01925

Weight: <None>
Min Conc: <None>

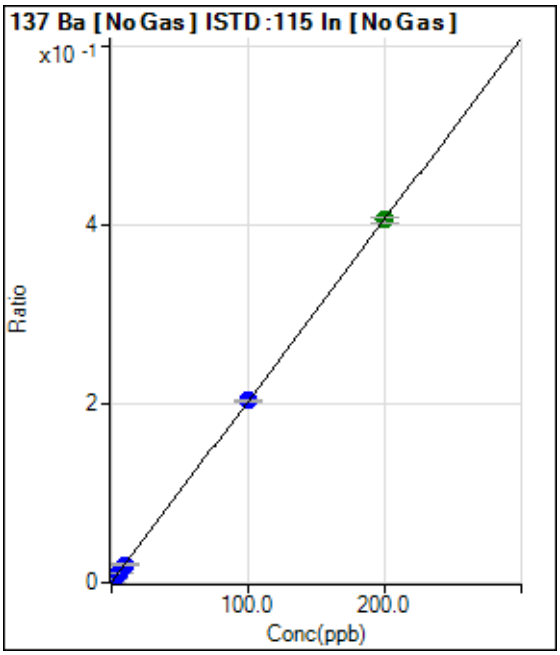
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	183.34	0.0002	P	21.5
2	☐	2.000	1.891	20172.40	0.0188	P	3.1
3	☐	5.000	4.622	49192.30	0.0458	P	0.8
4	☐	10.000	9.372	98222.92	0.0927	P	2.1
5	☐	100.000	97.790	995857.59	0.9656	A	5.2
6	☐	200.000	201.147	1981769.29	1.9859	A	3.8

y = 0.0099 * x + 1.6823E-004
R = 0.9999
DL = 0.01099
BEC = 0.01704

Weight: <None>
Min Conc: <None>

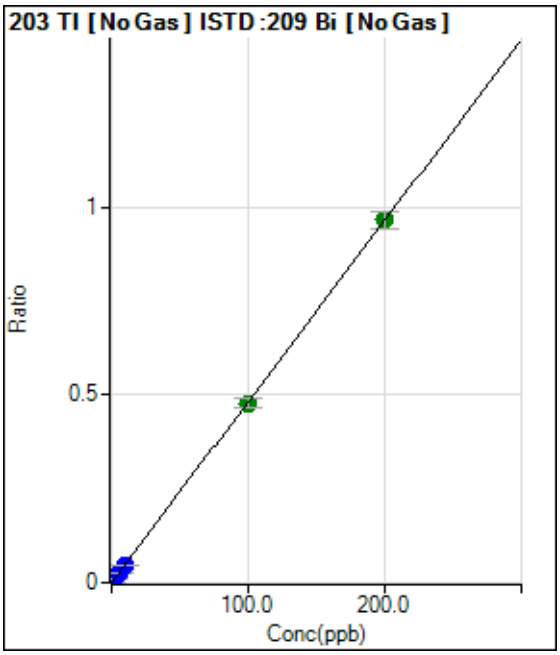


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	986.72	0.0003	P	10.3
2	☐	2.000	2.036	14581.71	0.0044	P	2.1
3	☐	5.000	4.909	33857.98	0.0102	P	2.4
4	☐	10.000	9.925	67133.51	0.0204	P	0.4
5	☐	100.000	100.295	649933.77	0.2034	P	1.2
6	☐	200.000	199.858	1263542.72	0.4051	A	1.6

y = 0.0020 * x + 2.9200E-004
R = 1.0000
DL = 0.04438
BEC = 0.1442

Weight: <None>
Min Conc: <None>

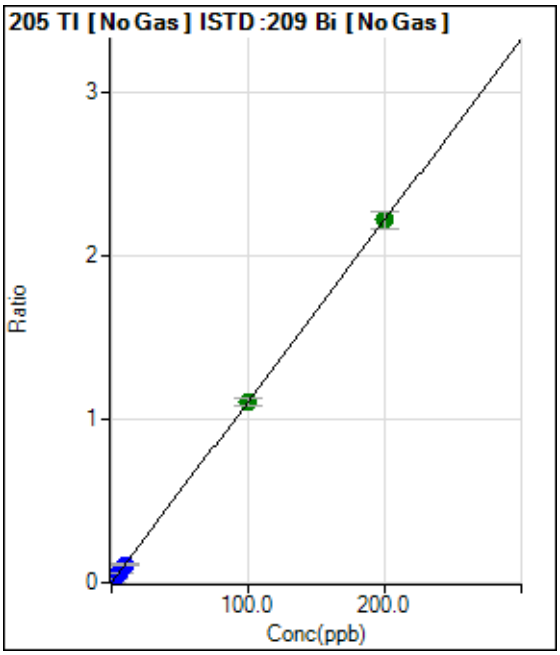
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	193.34	0.0001	P	38.1
2	☐	2.000	2.026	27273.45	0.0098	P	5.5
3	☐	5.000	4.938	65012.77	0.0239	P	4.3
4	☐	10.000	9.648	127921.53	0.0466	P	4.0
5	☐	100.000	99.053	1282854.36	0.4773	A	5.1
6	☐	200.000	200.492	2477831.06	0.9660	A	4.5

y = 0.0048 * x + 7.0227E-005
R = 1.0000
DL = 0.01666
BEC = 0.01458

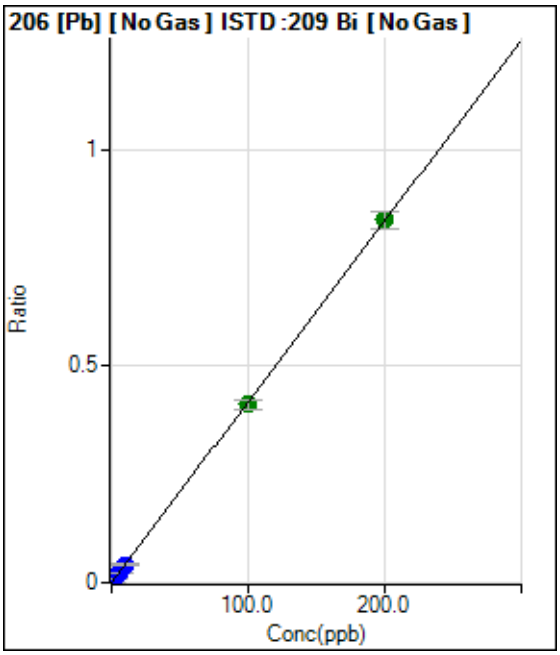
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	570.02	0.0002	P	8.0
2	☐	2.000	2.024	62878.65	0.0227	P	5.1
3	☐	5.000	5.102	154752.88	0.0568	P	5.5
4	☐	10.000	9.897	302276.74	0.1100	P	4.4
5	☐	100.000	99.709	2973913.91	1.1065	A	5.3
6	☐	200.000	200.148	5696517.83	2.2209	A	4.7

y = 0.0111 * x + 2.0459E-004
R = 1.0000
DL = 0.004409
BEC = 0.01844

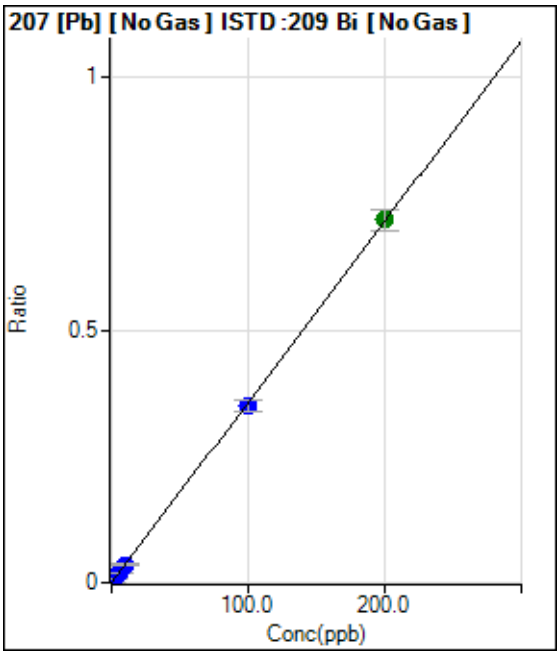
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	443.35	0.0002	P	12.5
2	☐	2.000	2.018	23819.89	0.0086	P	3.9
3	☐	5.000	4.997	57258.58	0.0210	P	5.3
4	☐	10.000	9.889	113883.46	0.0414	P	4.4
5	☐	100.000	98.605	1107011.88	0.4118	A	4.9
6	☐	200.000	200.703	2149694.55	0.8381	A	4.7

y = 0.0042 * x + 1.5902E-004
R = 1.0000
DL = 0.01434
BEC = 0.03809

Weight: <None>
Min Conc: <None>

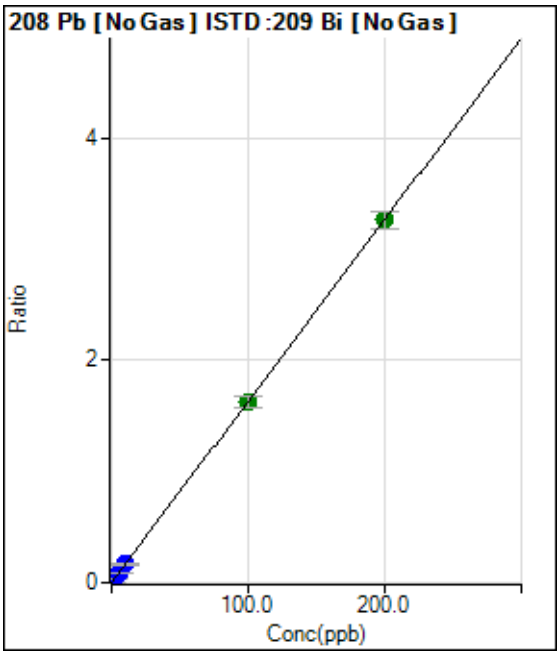


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	580.34	0.0002	P	64.4
2	☐	2.000	2.017	20553.96	0.0074	P	6.4
3	☐	5.000	4.965	48903.13	0.0179	P	3.9
4	☐	10.000	9.942	98169.22	0.0357	P	4.1
5	☐	100.000	97.987	941173.79	0.3503	P	6.8
6	☐	200.000	201.010	1842257.01	0.7184	A	6.0

y = 0.0036 * x + 2.0315E-004
R = 0.9999
DL = 0.1098
BEC = 0.05685

Weight: <None>
Min Conc: <None>

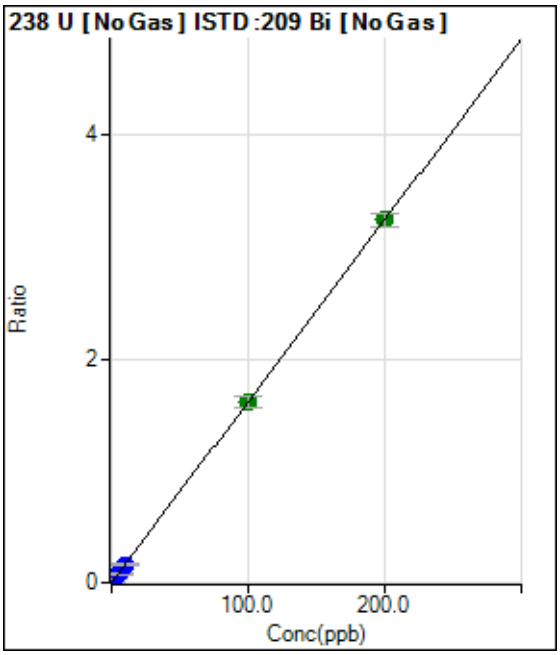
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1993.76	0.0007	P	12.2
2	☐	2.000	2.038	94103.59	0.0339	P	6.6
3	☐	5.000	5.067	226981.19	0.0833	P	5.3
4	☐	10.000	10.039	451673.11	0.1644	P	4.5
5	☐	100.000	100.013	4383010.12	1.6313	A	6.3
6	☐	200.000	199.990	8364832.64	3.2612	A	4.7

y = 0.0163 * x + 7.1485E-004
R = 1.0000
DL = 0.01598
BEC = 0.04385

Weight: <None>
Min Conc: <None>

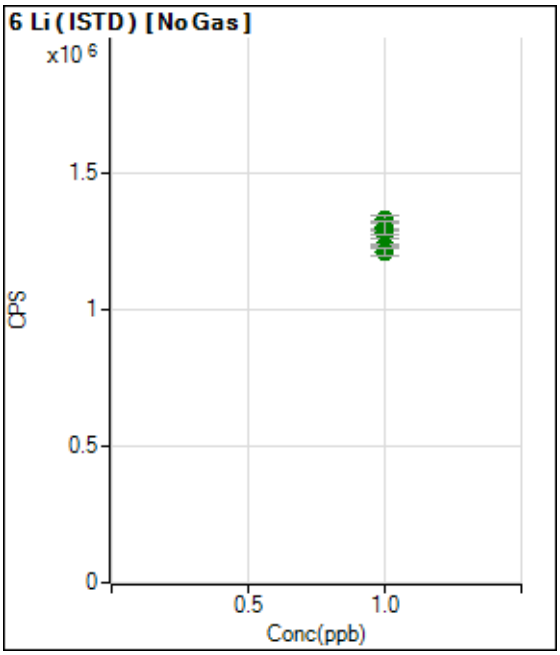


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	380.01	0.0001	P	10.4
2	☐	2.000	1.970	88801.36	0.0320	P	4.9
3	☐	5.000	4.902	216363.98	0.0794	P	5.8
4	☐	10.000	9.923	441443.42	0.1607	P	4.7
5	☐	100.000	99.581	4328848.37	1.6111	A	6.4
6	☐	200.000	200.216	8309604.46	3.2392	A	4.1

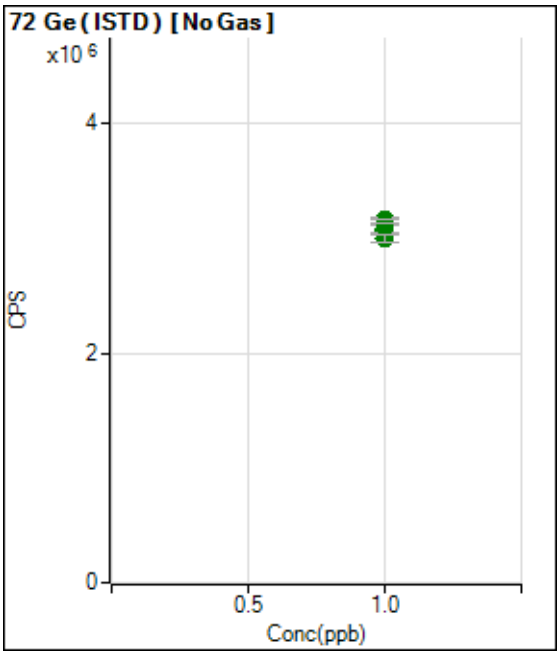
y = 0.0162 * x + 1.3731E-004
R = 1.0000
DL = 0.002639
BEC = 0.008487

Weight: <None>
Min Conc: <None>

Calibration for 026_ICV.d

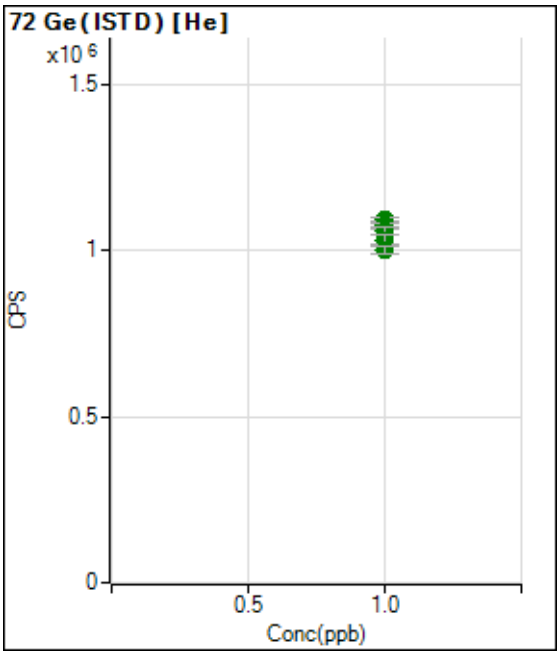


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1326043.40		A	2.3
2	☐	1.000		1298414.14		A	2.1
3	☐	1.000		1277173.79		A	2.5
4	☐	1.000		1296246.48		A	4.2
5	☐	1.000		1233472.13		A	1.0
6	☐	1.000		1210916.93		A	2.2

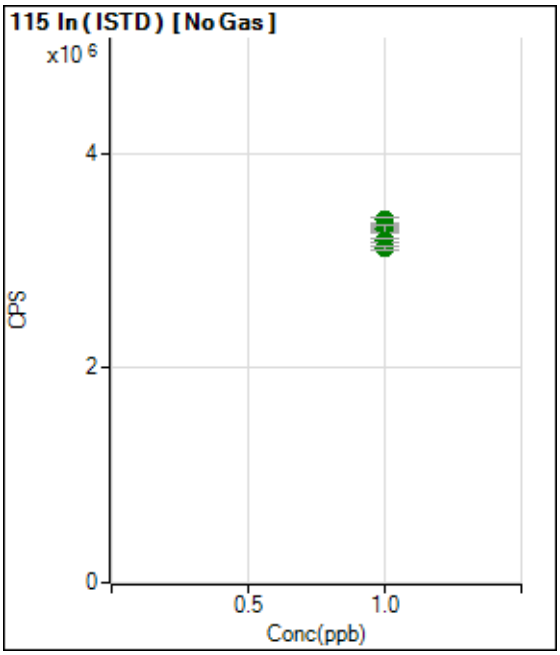


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3159632.76		A	1.9
2	☐	1.000		3138295.58		A	1.2
3	☐	1.000		3070711.31		A	2.9
4	☐	1.000		3088719.43		A	2.9
5	☐	1.000		3039910.06		A	1.0
6	☐	1.000		2998020.68		A	2.3

Calibration for 026_ICV.d

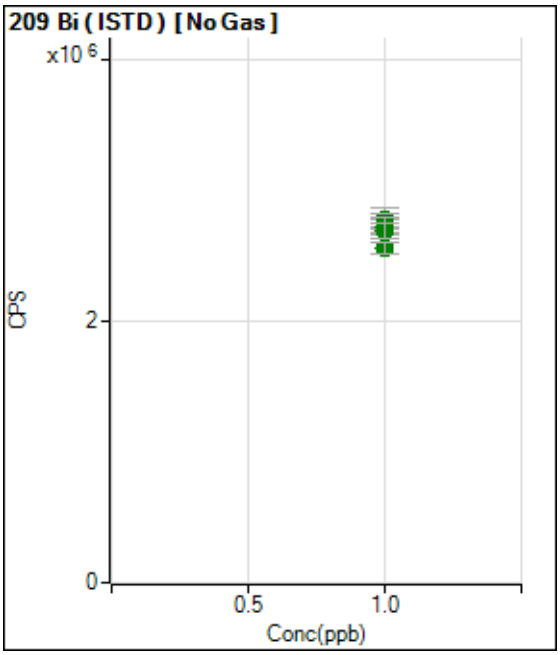


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1091369.41		A	1.0
2	☐	1.000		1070595.66		A	1.6
3	☐	1.000		1074135.01		A	1.4
4	☐	1.000		1060077.30		A	2.2
5	☐	1.000		1032412.51		A	2.9
6	☐	1.000		998523.42		A	2.4



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3381547.15		A	1.8
2	☐	1.000		3302336.92		A	1.1
3	☐	1.000		3308620.95		A	0.6
4	☐	1.000		3292154.85		A	2.1
5	☐	1.000		3194714.78		A	0.9
6	☐	1.000		3118988.61		A	1.3

Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2779550.53		A	6.7
2	☐	1.000		2777906.10		A	4.1
3	☐	1.000		2728279.91		A	4.5
4	☐	1.000		2750122.56		A	3.1
5	☐	1.000		2691827.83		A	4.4
6	☐	1.000		2567643.56		A	3.3

Sample Report

Sample Table

Sample Name	LLICV5
Data File Name	028LCV5.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T10:27:32-05:00
Sample Type	LLCCV5
Dilution	1
Comment	
ISTD Ref FileName	019CALB.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
Li	7	1	No Gas	5.208	5.208	4.10	172521	0.00	5	
Be	9	1	No Gas	4.886	4.886	3.71	27575	0.02	5	
V	51	2	He	4.646	4.646	2.57	55829	0.01	5	
Cr	52	2	He	5.151	5.151	3.52	99285	0.01	5	
Fe	56	2	He	484.271	484.271	3.15	5104287	0.01	500	
Se	78	2	He	4.801	4.801	6.01	1262	0.38	5	
As	75	2	He	4.747	4.747	1.91	8682	0.05	5	
Ca	44	2	He	491.153	491.153	0.42	47021	1.04	500	
Na	23	2	He	478.430	478.430	3.59	1004046	0.05	500	
Mg	24	2	He	508.396	508.396	2.10	589210	0.09	500	
K	39	2	He	500.271	500.271	1.12	1089768	0.05	500	
Mn	55	2	He	4.926	4.926	3.07	49450	0.01	5	
Co	59	2	He	4.834	4.834	3.40	75087	0.01	5	
Ni	60	2	He	5.266	5.266	3.65	22188	0.02	5	
Cu	63	2	He	4.927	4.927	2.99	46510	0.01	5	
Zn	66	2	He	4.765	4.765	2.86	11742	0.04	5	
Al	27	2	He	5.929	5.929	8.00	9677	0.06	5	
B	11	1	No Gas	28.892	28.892	3.64	110839	0.03	25	
Al	27	1	No Gas	6.648	6.648	5.27	280576	0.00	5	NewName2 Main CR1 Failed
Si	28	1	No Gas	30.090	30.090	4.55	1215757	0.00	25	
Ag	107	1	No Gas	5.237	5.237	4.03	106302	0.00	5	
Cd	111	1	No Gas	5.085	5.085	4.52	20054	0.03	5	
Sr	88	1	No Gas	5.104	5.104	2.47	219389	0.00	5	
Mo	95	1	No Gas	4.964	4.964	2.61	43037	0.01	5	
Sn	118	1	No Gas	5.045	5.045	1.63	62887	0.01	5	
Sb	121	1	No Gas	4.990	4.990	1.57	84116	0.01	5	
Ba	137	1	No Gas	4.863	4.863	4.24	32474	0.01	5	
Tl	205	1	No Gas	4.984	4.984	5.25	150409	0.00	5	
Tl	203	1	No Gas	4.862	4.862	5.79	63669	0.01	5	
Pb	208	1	No Gas	4.973	4.973	6.34	221660	0.00	5	
U	238	1	No Gas	4.829	4.829	5.26	212092	0.00	5	
Ca	43	2	He	462.702	462.702	1.35	2584	17.91	500	
Sb	121	2	He	4.610	4.610	2.45	49166	0.01	5	
Ti	47	2	He	4.812	4.812	7.93	2257	0.21	5	
Cu	63	1	No Gas	5.285	5.285	1.33	91131	0.01	5	
Se	82	1	No Gas	4.969	4.969	13.74	1691	0.29	5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1250859	2.81	1326043	94.33	70	120	
Ge	72	2	He	1076501	2.06	1091369	98.64	70	120	
Ge	72	1	No Gas	3060534	1.99	3159633	96.86	70	120	
In	115	1	No Gas	3203765	1.68	3381547	94.74	70	120	
Bi	209	1	No Gas	2714032	4.16	2779551	97.64	70	120	

Initial Calibration Blank (ICB) Report

Sample Table

Sample Name	ICB
Data File Name	029_ICB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T10:29:27-05:00
Sample Type	ICB
Dilution	1
Comment	
ISTD Ref File Name	019CALB.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
Li	7	1	No Gas	-0.047	-95.9	79683	1.4	0.5	
Be	9	1	No Gas	0.006	113.9	88	42.5	0.5	
V	51	2	He	-0.021	-111.7	5171	2.0	2.5	
Cr	52	2	He	0.291	35.9	41540	2.6	2.5	
Fe	56	2	He	1.917	16.6	73304	3.5	100	
Se	78	2	He	0.104	171.2	277	11.7	1	
As	75	2	He	-0.023	-13.9	397	2.2	2.5	
Ca	44	2	He	-0.755	-445.2	4564	3.9	100	
Na	23	2	He	3.766	54.1	113522	0.4	100	
Mg	24	2	He	0.757	9.3	2464	2.0	100	
K	39	2	He	12.028	27.4	226838	0.5	100	
Mn	55	2	He	0.440	9.1	6358	8.7	2.5	
Co	59	2	He	0.011	43.5	570	11.0	2.5	
Ni	60	2	He	0.232	57.2	3110	17.7	2.5	
Cu	63	2	He	0.055	37.7	2094	6.4	1	
Zn	66	2	He	0.729	15.6	3617	3.7	2.5	
Al	27	2	He	-1.910	-14.0	2630	10.7	5	
B	11	1	No Gas	3.117	9.1	28701	2.0	0.5	ICB Main CR1 Failed
Al	27	1	No Gas	-2.066	-2.7	76101	0.8	5	
Si	28	1	No Gas	5.055	8.2	890547	1.4	10	
Ag	107	1	No Gas	0.008	89.7	560	24.8	2.5	
Cd	111	1	No Gas	-0.009	-38.1	-52	-25.4	1	
Sr	88	1	No Gas	-0.038	-12.5	2994	6.5	2.5	
Mo	95	1	No Gas	0.041	21.4	1183	6.6	2.5	
Sn	118	1	No Gas	0.121	5.3	3147	2.6	5	
Sb	121	1	No Gas	0.027	26.4	770	14.5	2.5	
Ba	137	1	No Gas	-0.016	-32.3	850	4.2	2.5	
Tl	205	1	No Gas	0.043	16.4	1847	14.4	1	
Tl	203	1	No Gas	0.044	39.3	770	34.9	1	
Pb	208	1	No Gas	0.004	112.1	2094	8.4	2.5	
U	238	1	No Gas	0.007	42.1	683	22.0	2.5	
Ca	43	2	He	2.738	273.6	143	29.0	100	
Sb	121	2	He	0.023	24.4	417	11.1	2.5	
Ti	47	2	He	0.044	97.9	30	66.7	2.5	
Se	82	1	No Gas	-0.325	-49.4	28	180.9	1	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1253340	2.43	1326043	94.52	70	120	
Ge	72	2	He	1055075	2.87	1091369	96.67	70	120	
Ge	72	1	No Gas	3054183	1.02	3159633	96.66	70	120	
In	115	1	No Gas	3266138	0.54	3381547	96.59	70	120	
Bi	209	1	No Gas	2710724	5.17	2779551	97.52	70	120	

Sample Report

Sample Table

Sample Name	LLICV2
Data File Name	031LCV2.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T10:51:54-05:00
Sample Type	LLCCV2
Dilution	1
Comment	
ISTD Ref FileName	019CALB.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
Li	7	1	No Gas	2.025	2.025	3.53	127461	0.00	2	
Be	9	1	No Gas	1.962	1.962	1.81	12187	0.02	2	
V	51	2	He	1.951	1.951	1.39	27810	0.01	2	
Cr	52	2	He	2.202	2.202	6.56	67610	0.00	2	
Fe	56	2	He	204.624	204.624	1.46	2284952	0.01	200	
Se	78	2	He	1.999	1.999	8.27	708	0.28	2	
As	75	2	He	1.873	1.873	6.98	3855	0.05	2	
Ca	44	2	He	199.500	199.500	1.18	22866	0.87	200	
Na	23	2	He	209.001	209.001	1.18	521939	0.04	200	
Mg	24	2	He	211.837	211.837	0.87	257312	0.08	200	
K	39	2	He	206.842	206.842	1.02	599145	0.03	200	
Mn	55	2	He	2.077	2.077	2.35	23137	0.01	2	
Co	59	2	He	1.972	1.972	1.12	32242	0.01	2	
Ni	60	2	He	2.363	2.363	6.70	11715	0.02	2	
Cu	63	2	He	2.150	2.150	2.10	22155	0.01	2	
Zn	66	2	He	2.651	2.651	3.86	7859	0.03	2	NewName Main CR1 Failed
Al	27	2	He	1.419	1.419	26.08	5895	0.02	2	
B	11	1	No Gas	10.091	10.091	1.86	55827	0.02	10	
Al	27	1	No Gas	1.538	1.538	10.89	173284	0.00	2	
Si	28	1	No Gas	8.630	8.630	11.41	1011540	0.00	10	
Ag	107	1	No Gas	2.062	2.062	3.14	46014	0.00	2	
Cd	111	1	No Gas	1.995	1.995	1.61	8587	0.02	2	
Sr	88	1	No Gas	1.997	1.997	1.55	96846	0.00	2	
Mo	95	1	No Gas	2.000	2.000	2.75	19481	0.01	2	
Sn	118	1	No Gas	2.016	2.016	3.43	28531	0.01	2	
Sb	121	1	No Gas	2.023	2.023	2.47	36973	0.01	2	
Ba	137	1	No Gas	1.972	1.972	3.92	15006	0.01	2	
Tl	205	1	No Gas	2.037	2.037	3.33	65482	0.00	2	
Tl	203	1	No Gas	1.961	1.961	3.10	27334	0.01	2	
Pb	208	1	No Gas	2.009	2.009	4.07	96093	0.00	2	
U	238	1	No Gas	1.955	1.955	4.84	91216	0.00	2	
Ca	43	2	He	197.405	197.405	11.36	1230	16.05	200	
Sb	121	2	He	1.885	1.885	1.23	21101	0.01	2	
Ti	47	2	He	2.021	2.021	7.84	997	0.20	200	
Cu	63	1	No Gas	2.286	2.286	0.16	44583	0.01	2	
Se	82	1	No Gas	1.866	1.866	9.79	771	0.24	2	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1371734	0.66	1326043	103.45	70	120	
Ge	72	2	He	1123610	0.94	1091369	102.95	70	120	
Ge	72	1	No Gas	3298608	0.78	3159633	104.40	70	120	
In	115	1	No Gas	3501335	1.74	3381547	103.54	70	120	
Bi	209	1	No Gas	2873632	2.79	2779551	103.38	70	120	

Interference Check Solution A (ICS-A) Report

Sample Table

Sample Name	ICSA
Data File Name	032ICSA.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T10:53:50-05:00
Sample Type	ICSA
Dilution	1
Comment	
ISTD Ref File Name	019CALB.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
Li	7	1	No Gas	0.188	78.9	84044	1.5	0	ICSA Main CR1 Failed
Be	9	1	No Gas	0.003	128.1	72	26.4	0	ICSA Main CR1 Failed
V	51	2	He	0.236	8.1	7697	1.9	0	ICSA Main CR1 Failed
Cr	52	2	He	1.683	3.5	55978	1.3	0	ICSA Main CR1 Failed
Fe	56	2	He	94798.765	1.0	943166359	1.5	0	
Se	78	2	He	0.070	99.2	263	4.6	0	ICSA Main CR1 Failed
As	75	2	He	0.287	8.3	899	4.7	0	ICSA Main CR1 Failed
Ca	44	2	He	90367.001	0.7	7426489	1.4	0	
Na	23	2	He	94452.367	0.3	168723061	0.7	0	
Mg	24	2	He	93786.690	1.3	103402075	0.9	0	
K	39	2	He	95109.541	1.0	159669691	1.6	0	
Mn	55	2	He	1.176	6.0	12906	4.3	0	ICSA Main CR1 Failed
Co	59	2	He	0.535	4.0	8273	3.6	0	ICSA Main CR1 Failed
Ni	60	2	He	1.099	5.4	6148	3.4	0	ICSA Main CR1 Failed
Cu	63	2	He	0.885	2.0	9247	1.2	0	ICSA Main CR1 Failed
Zn	66	2	He	2.422	5.8	6745	4.3	0	ICSA Main CR1 Failed
Al	27	2	He	87280.065	0.9	74239084	1.7	0	
B	11	1	No Gas	2.626	4.5	27205	0.4	0	
Al	27	1	No Gas	95168.777	1.4	2164268554	2.0	0	
Si	28	1	No Gas	28.547	3.4	1159671	2.5	0	
Ag	107	1	No Gas	0.174	5.3	3697	4.6	0	ICSA Main CR1 Failed
Cd	111	1	No Gas	0.468	21.1	1727	21.2	0	ICSA Main CR1 Failed
Sr	88	1	No Gas	4.668	2.0	189765	2.0	0	ICSA Main CR1 Failed
Mo	95	1	No Gas	1979.736	2.2	15899586	2.4	0	
Sn	118	1	No Gas	0.089	19.4	2544	7.6	0	ICSA Main CR1 Failed
Sb	121	1	No Gas	0.242	6.8	4257	7.5	0	ICSA Main CR1 Failed
Ba	137	1	No Gas	0.612	2.2	4631	1.4	0	ICSA Main CR1 Failed
Tl	205	1	No Gas	0.025	3.6	1150	3.8	0	ICSA Main CR1 Failed
Tl	203	1	No Gas	0.026	15.7	467	15.8	0	ICSA Main CR1 Failed
Pb	208	1	No Gas	0.199	4.8	9472	2.0	0	ICSA Main CR1 Failed
U	238	1	No Gas	0.014	4.5	877	3.5	0	ICSA Main CR1 Failed
Ca	43	2	He	90819.585	0.7	459260	0.9	0	
Sb	121	2	He	0.216	2.3	2367	2.5	0	ICSA Main CR1 Failed
Ti	47	2	He	1966.579	0.8	876602	1.3	0	
Se	82	1	No Gas	-0.047	-1074.0	110	136.1	0	ICSA Main CR1 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1256387	1.75	1326043	94.75	70	120	
Ge	72	2	He	1026681	0.74	1091369	94.07	70	120	
Ge	72	1	No Gas	2967174	1.43	3159633	93.91	70	120	
In	115	1	No Gas	3023768	0.61	3381547	89.42	70	120	
Bi	209	1	No Gas	2391970	5.64	2779551	86.06	70	120	

Interference Check Solution AB (ICS-AB) Report

Sample Table

Sample Name	ICSAB
Data File Name	033ICSB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T10:55:53-05:00
Sample Type	ICSB
Dilution	1
Comment	
ISTD Ref File Name	019CALB.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
Li	7	1	No Gas	95.839	3.840	1797555	2.54	100	95.8	180	120	ICSB Main CR1 Failed
Be	9	1	No Gas	93.843	2.724	535044	1.40	100	93.8	80	120	
V	51	2	He	93.743	1.496	993790	2.33	100	93.7	80	120	
Cr	52	2	He	95.129	3.209	1121689	0.65	100	95.1	80	120	
Fe	56	2	He	103270.666	3.146	1047988704	1.04	100	103270.7	80	120	
Se	78	2	He	94.780	2.476	19482	1.04	100	94.8	80	120	
As	75	2	He	93.239	2.254	157877	0.97	100	93.2	80	120	
Ca	44	2	He	99543.162	2.985	8345842	2.85	100	99543.2	80	120	
Na	23	2	He	102680.296	2.356	187111277	1.11	100	102680.3	80	120	
Mg	24	2	He	101857.303	2.462	114563942	0.29	100	101857.3	80	120	
K	39	2	He	104120.214	2.159	178306451	1.34	100	104120.2	80	120	
Mn	55	2	He	91.878	3.382	858684	1.06	100	91.9	80	120	
Co	59	2	He	90.410	2.722	1360023	2.19	100	90.4	80	120	
Ni	60	2	He	87.625	2.922	324508	0.37	100	87.6	80	120	
Cu	63	2	He	87.512	1.063	777577	1.58	100	87.5	80	120	
Zn	66	2	He	91.884	1.046	180543	1.59	100	91.9	80	120	
Al	27	2	He	87342.712	2.127	75790179	1.19	100	87342.7	80	120	ICSB Main CR1 Failed
B	11	1	No Gas	475.916	0.804	1555278	1.38	100	475.9	80	120	
Al	27	1	No Gas	92198.688	1.911	2143111648	0.56	100	92198.7	80	120	ICSB Main CR1 Failed
Si	28	1	No Gas	501.347	2.962	7240624	0.87	100	501.3	80	120	
Ag	107	1	No Gas	95.316	3.643	1844486	2.63	100	95.3	80	120	
Cd	111	1	No Gas	96.554	1.937	364455	0.92	100	96.6	80	120	
Sr	88	1	No Gas	103.143	2.831	4157552	2.06	100	103.1	80	120	
Mo	95	1	No Gas	2057.861	3.250	16746246	2.36	100	2057.9	80	120	ICSB Main CR1 Failed
Sn	118	1	No Gas	96.558	2.964	1123397	2.26	100	96.6	80	120	
Sb	121	1	No Gas	97.738	1.702	1627040	0.66	100	97.7	80	120	
Ba	137	1	No Gas	96.980	1.841	602766	0.82	100	97.0	80	120	
Tl	205	1	No Gas	99.874	5.441	2675436	1.34	100	99.9	80	120	
Tl	203	1	No Gas	96.348	5.227	1120685	0.76	100	96.3	80	120	
Pb	208	1	No Gas	97.900	7.216	3852397	2.78	100	97.9	80	120	
U	238	1	No Gas	101.327	5.419	3957339	1.06	100	101.3	80	120	
Ca	43	2	He	99920.494	2.103	515483	1.12	100	99920.5	80	120	
Sb	121	2	He	87.396	2.668	903756	0.49	100	87.4	80	120	
Ti	47	2	He	2108.049	4.727	958279	2.95	100	2108.0	80	120	ICSB Main CR1 Failed
Cu	63	1	No Gas	94.124	1.726	1551701	0.72	100	94.1	80	120	
Se	82	1	No Gas	96.267	2.933	30082	2.73	100	96.3	80	120	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1265469	1.42	1326043	95.43	70	120	
Ge	72	2	He	1047769	2.58	1091369	96.00	70	120	
Ge	72	1	No Gas	3033550	1.95	3159633	96.01	70	120	
In	115	1	No Gas	3064539	1.02	3381547	90.63	70	120	
Bi	209	1	No Gas	2417872	4.57	2779551	86.99	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\062023A.b
Acq Date Time	2023-06-20T12:14:11-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	019CALB.d
n	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
Li	7	1	No Gas	100.411	2.177	2112841	2.00	100	100.4	90	110	
Be	9	1	No Gas	98.047	1.901	628373	1.33	100	98.0	90	110	
V	51	2	He	96.178	1.143	1095785	0.45	100	96.2	90	110	
Cr	52	2	He	97.185	0.569	1231409	0.90	100	97.2	90	110	
Fe	56	2	He	9656.183	1.668	105426205	1.78	10000	96.6	90	110	
Se	78	2	He	95.456	0.524	21094	0.72	100	95.5	90	110	
As	75	2	He	95.187	0.929	173276	0.02	100	95.2	90	110	
Ca	44	2	He	9307.366	1.526	843383	1.51	10000	93.1	90	110	
Na	23	2	He	9727.707	0.813	19162498	1.13	10000	97.3	90	110	
Mg	24	2	He	9743.865	1.764	11784762	1.22	10000	97.4	90	110	
K	39	2	He	9647.765	0.913	17963341	1.40	10000	96.5	90	110	
Mn	55	2	He	96.976	2.750	974408	2.05	100	97.0	90	110	
Co	59	2	He	98.086	0.920	1586291	0.90	100	98.1	90	110	
Ni	60	2	He	96.167	0.657	382752	1.51	100	96.2	90	110	
Cu	63	2	He	98.107	0.880	936882	1.18	100	98.1	90	110	
Zn	66	2	He	98.455	1.573	207780	1.10	100	98.5	90	110	
Al	27	2	He	100.211	1.021	98074	1.48	100	100.2	90	110	
B	11	1	No Gas	509.208	3.478	1868535	2.89	500	101.8	90	110	
Al	27	1	No Gas	105.972	0.549	2867606	2.10	100	106.0	90	110	
Si	28	1	No Gas	576.292	0.379	9091846	2.09	5000	11.5	90	110	CCV Main CR1-2 Failed
Ag	107	1	No Gas	98.535	2.375	2211763	1.21	100	98.5	90	110	
Cd	111	1	No Gas	97.527	3.404	426895	1.65	100	97.5	90	110	
Sr	88	1	No Gas	97.778	2.135	4571647	0.87	100	97.8	90	110	
Mo	95	1	No Gas	96.183	2.299	908682	0.34	100	96.2	90	110	
Sn	118	1	No Gas	98.875	3.921	1333890	2.13	100	98.9	90	110	
Sb	121	1	No Gas	99.417	2.572	1834136	1.58	100	99.4	90	110	
Ba	137	1	No Gas	96.774	3.006	697528	1.23	100	96.8	90	110	
Tl	205	1	No Gas	94.711	8.276	3158062	2.01	100	94.7	90	110	
Tl	203	1	No Gas	94.187	7.385	1364206	1.71	100	94.2	90	110	
Pb	208	1	No Gas	96.098	7.441	4711095	0.67	100	96.1	90	110	
U	238	1	No Gas	95.338	7.853	4635380	1.34	100	95.3	90	110	
Ca	43	2	He	9484.611	0.472	52731	0.50	10000	94.8	90	110	
Sb	121	2	He	95.131	2.276	1057757	2.22	100	95.1	90	110	
Ti	47	2	He	95.355	0.711	46629	0.24	100	95.4	90	110	
Cu	63	1	No Gas	101.137	2.209	1847488	0.39	100	101.1	90	110	
Se	82	1	No Gas	100.309	1.671	34734	1.18	100	100.3	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1422244	0.77	1326043	107.25	70	120	
Ge	72	2	He	1126148	0.90	1091369	103.19	70	120	
Ge	72	1	No Gas	3362133	2.01	3159633	106.41	70	120	
In	115	1	No Gas	3554808	2.00	3381547	105.12	70	120	
Bi	209	1	No Gas	3016513	7.33	2779551	108.53	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\062023A.b
Acq Date Time	2023-06-20T12:15:58-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	019CALB.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
Li	7	1	No Gas	-0.066	-48.6	94278	1.3	0.5	
Be	9	1	No Gas	-0.001	-223.4	58	35.7	0.5	
V	51	2	He	0.102	9.9	7034	0.7	2.5	
Cr	52	2	He	0.185	65.6	43764	2.7	2.5	
Fe	56	2	He	1.029	14.8	69744	1.5	100	
Se	78	2	He	-0.034	-389.8	271	10.4	2	
As	75	2	He	-0.001	-937.5	471	3.3	2.5	
Ca	44	2	He	-16.541	-10.4	3514	5.3	100	
Na	23	2	He	-4.661	-14.6	106504	1.3	100	
Mg	24	2	He	1.572	94.6	3677	49.7	100	
K	39	2	He	-2.485	-7.2	219174	1.1	100	
Mn	55	2	He	0.052	71.8	2934	12.0	2.5	
Co	59	2	He	0.000	-455.8	433	6.7	2.5	
Ni	60	2	He	0.130	17.3	2960	2.9	2.5	
Cu	63	2	He	-0.032	-40.0	1430	8.2	2	
Zn	66	2	He	-0.145	-90.2	2077	14.0	2.5	
Al	27	2	He	-1.859	-7.1	2900	4.5	5	
B	11	1	No Gas	7.677	2.6	51434	3.0	0.5	CCB Main CR1 Failed
Al	27	1	No Gas	-2.408	-2.6	76212	1.5	5	
Si	28	1	No Gas	-0.103	-1346.6	922350	2.1	10	
Ag	107	1	No Gas	0.002	168.4	493	16.4	2.5	
Cd	111	1	No Gas	-0.011	-97.1	-68	-70.5	1	
Sr	88	1	No Gas	-0.042	-7.4	3130	6.5	2.5	
Mo	95	1	No Gas	0.156	9.4	2437	7.6	2.5	
Sn	118	1	No Gas	0.178	4.4	4301	3.1	5	
Sb	121	1	No Gas	0.084	19.0	1940	15.0	2.5	
Ba	137	1	No Gas	-0.048	-28.0	710	14.1	2.5	
Tl	205	1	No Gas	0.509	35.8	18299	43.9	1	
Tl	203	1	No Gas	0.518	29.4	7986	37.9	1	
Pb	208	1	No Gas	-0.001	-323.5	2137	18.0	2.5	
U	238	1	No Gas	0.022	51.4	1530	46.3	2.5	
Ca	43	2	He	-2.934	-206.9	123	28.5	100	
Sb	121	2	He	0.061	10.1	880	7.9	2.5	
Ti	47	2	He	0.019	103.8	20	50.0	2.5	
Cu	63	1	No Gas	-0.021	-33.9	3421	3.8	2.5	
Se	82	1	No Gas	-0.269	-52.5	51	97.6	2	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1488845	1.53	1326043	112.28	70	120	
Ge	72	2	He	1145106	0.95	1091369	104.92	70	120	
Ge	72	1	No Gas	3418800	0.57	3159633	108.20	70	120	
In	115	1	No Gas	3654849	1.73	3381547	108.08	70	120	
Bi	209	1	No Gas	3060759	9.58	2779551	110.12	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\062023A.b
Acq Date Time	2023-06-20T12:38:00-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	019CALB.d
n	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
Li	7	1	No Gas	94.528	2.850	2025862	1.96	100	94.5	90	110	
Be	9	1	No Gas	93.238	1.441	607061	0.93	100	93.2	90	110	
V	51	2	He	92.855	1.638	1061090	2.31	100	92.9	90	110	
Cr	52	2	He	95.777	3.454	1217243	2.68	100	95.8	90	110	
Fe	56	2	He	9645.445	0.932	105587295	0.49	10000	96.5	90	110	
Se	78	2	He	94.554	1.922	20952	1.33	100	94.6	90	110	
As	75	2	He	94.921	1.289	173255	0.95	100	94.9	90	110	
Ca	44	2	He	9290.997	1.085	844195	1.52	10000	92.9	90	110	
Na	23	2	He	9422.537	1.928	18612866	1.22	10000	94.2	90	110	
Mg	24	2	He	9408.198	2.119	11409548	1.87	10000	94.1	90	110	
K	39	2	He	9293.449	0.845	17357788	1.18	10000	92.9	90	110	
Mn	55	2	He	94.761	0.764	954853	0.39	100	94.8	90	110	
Co	59	2	He	98.927	2.758	1604163	2.73	100	98.9	90	110	
Ni	60	2	He	97.275	1.171	388143	0.99	100	97.3	90	110	
Cu	63	2	He	97.949	1.197	937823	0.57	100	97.9	90	110	
Zn	66	2	He	98.226	0.812	207868	0.90	100	98.2	90	110	
Al	27	2	He	97.579	2.488	95861	1.61	100	97.6	90	110	
B	11	1	No Gas	489.109	3.500	1824112	2.79	500	97.8	90	110	
Al	27	1	No Gas	103.097	2.702	2869854	1.72	100	103.1	90	110	
Si	28	1	No Gas	556.239	1.838	9048206	0.86	5000	11.1	90	110	CCV Main CR1-2 Failed
Ag	107	1	No Gas	98.835	2.723	2284740	0.92	100	98.8	90	110	
Cd	111	1	No Gas	98.610	4.104	444535	2.45	100	98.6	90	110	
Sr	88	1	No Gas	97.904	3.534	4713487	1.30	100	97.9	90	110	
Mo	95	1	No Gas	95.701	3.428	931049	1.09	100	95.7	90	110	
Sn	118	1	No Gas	97.411	2.714	1353678	0.31	100	97.4	90	110	
Sb	121	1	No Gas	99.872	1.272	1893575	0.96	100	99.9	90	110	
Ba	137	1	No Gas	96.325	2.529	715119	0.08	100	96.3	90	110	
Tl	205	1	No Gas	95.233	6.946	3244357	0.87	100	95.2	90	110	
Tl	203	1	No Gas	93.077	6.521	1377053	0.76	100	93.1	90	110	
Pb	208	1	No Gas	95.602	8.234	4784446	2.23	100	95.6	90	110	
U	238	1	No Gas	95.528	6.237	4746049	0.48	100	95.5	90	110	
Ca	43	2	He	9385.106	1.300	52316	0.49	10000	93.9	90	110	
Sb	121	2	He	94.577	2.544	1054385	2.33	100	94.6	90	110	
Ti	47	2	He	95.773	2.729	46954	1.92	100	95.8	90	110	
Cu	63	1	No Gas	100.125	2.792	1879525	1.81	100	100.1	90	110	
Se	82	1	No Gas	98.954	0.770	35215	1.36	100	99.0	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1444872	1.17	1326043	108.96	70	120	
Ge	72	2	He	1129157	0.81	1091369	103.46	70	120	
Ge	72	1	No Gas	3454555	1.01	3159633	109.33	70	120	
In	115	1	No Gas	3661499	2.44	3381547	108.28	70	120	
Bi	209	1	No Gas	3078667	6.19	2779551	110.76	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\062023A.b
Acq Date Time	2023-06-20T12:39:48-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	019CALB.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
Li	7	1	No Gas	-0.193	-27.7	93135	0.9	0.5	
Be	9	1	No Gas	0.000	85.0	72	4.0	0.5	
V	51	2	He	0.112	9.0	7142	1.1	2.5	
Cr	52	2	He	0.124	48.9	42964	1.1	2.5	
Fe	56	2	He	0.616	23.3	65088	1.8	100	
Se	78	2	He	-0.060	-345.5	265	17.0	2	
As	75	2	He	0.020	60.6	508	3.8	2.5	
Ca	44	2	He	-20.997	-12.7	3100	7.4	100	
Na	23	2	He	-17.342	-4.1	81156	1.3	100	
Mg	24	2	He	0.565	13.5	2437	4.5	100	
K	39	2	He	-8.755	-10.9	207197	1.0	100	
Mn	55	2	He	0.055	63.6	2967	12.2	2.5	
Co	59	2	He	-0.002	-121.2	403	10.3	2.5	
Ni	60	2	He	0.058	131.0	2667	10.9	2.5	
Cu	63	2	He	-0.038	-22.9	1370	6.4	2	
Zn	66	2	He	-0.045	-281.9	2284	11.3	2.5	
Al	27	2	He	-2.239	-6.5	2537	5.5	5	
B	11	1	No Gas	5.442	6.6	43664	3.5	0.5	CCB Main CR1 Failed
Al	27	1	No Gas	-2.311	-1.9	81766	2.1	5	
Si	28	1	No Gas	-8.232	-3.7	835697	1.3	10	
Ag	107	1	No Gas	0.005	63.6	583	12.4	2.5	
Cd	111	1	No Gas	-0.001	-166.9	-26	-41.5	1	
Sr	88	1	No Gas	-0.052	-11.7	2787	10.4	2.5	
Mo	95	1	No Gas	0.133	12.8	2320	9.1	2.5	
Sn	118	1	No Gas	0.151	14.3	4131	9.3	5	
Sb	121	1	No Gas	0.219	12.4	4648	10.8	2.5	
Ba	137	1	No Gas	-0.055	-30.8	690	17.6	2.5	
Tl	205	1	No Gas	0.567	39.2	20630	43.2	1	
Tl	203	1	No Gas	0.557	40.0	8754	44.4	1	
Pb	208	1	No Gas	0.004	139.8	2437	13.7	2.5	
U	238	1	No Gas	0.015	63.3	1220	45.9	2.5	
Ca	43	2	He	-7.043	-48.7	100	20.0	100	
Sb	121	2	He	0.178	1.6	2197	0.9	2.5	
Ti	47	2	He	0.066	46.9	43	35.3	2.5	
Cu	63	1	No Gas	-0.034	-13.3	3307	3.0	2.5	
Se	82	1	No Gas	0.020	836.0	158	38.6	2	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1513961	0.56	1326043	114.17	70	120	
Ge	72	2	He	1143729	0.70	1091369	104.80	70	120	
Ge	72	1	No Gas	3549115	0.74	3159633	112.33	70	120	
In	115	1	No Gas	3829744	1.66	3381547	113.25	70	120	
Bi	209	1	No Gas	3135802	5.14	2779551	112.82	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\062023A.b
Acq Date Time	2023-06-20T13:02:31-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	019CALB.d
n	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
Li	7	1	No Gas	93.726	1.772	2114067	1.52	100	93.7	90	110	
Be	9	1	No Gas	91.900	1.372	629430	0.85	100	91.9	90	110	
V	51	2	He	93.950	2.565	1089972	2.52	100	94.0	90	110	
Cr	52	2	He	95.735	3.508	1235340	2.14	100	95.7	90	110	
Fe	56	2	He	9631.451	1.994	107052082	1.27	10000	96.3	90	110	
Se	78	2	He	94.769	2.790	21322	2.21	100	94.8	90	110	
As	75	2	He	94.627	2.126	175360	0.42	100	94.6	90	110	
Ca	44	2	He	9278.730	2.416	855947	1.57	10000	92.8	90	110	
Na	23	2	He	9512.466	3.679	19076987	2.85	10000	95.1	90	110	
Mg	24	2	He	9445.957	2.072	11630691	0.72	10000	94.5	90	110	
K	39	2	He	9239.888	2.589	17521032	0.86	10000	92.4	90	110	
Mn	55	2	He	94.748	3.234	969223	1.94	100	94.7	90	110	
Co	59	2	He	98.101	2.651	1615007	1.43	100	98.1	90	110	
Ni	60	2	He	97.724	2.004	395890	0.86	100	97.7	90	110	
Cu	63	2	He	96.982	3.617	942627	1.98	100	97.0	90	110	
Zn	66	2	He	97.970	2.058	210503	1.06	100	98.0	90	110	
Al	27	2	He	100.749	3.627	100405	5.14	100	100.7	90	110	
B	11	1	No Gas	484.567	0.630	1901658	1.62	500	96.9	90	110	
Al	27	1	No Gas	103.169	1.741	2915464	1.85	100	103.2	90	110	
Si	28	1	No Gas	549.277	1.643	9081658	0.77	5000	11.0	90	110	CCV Main CR1-2 Failed
Ag	107	1	No Gas	96.939	1.595	2326680	1.42	100	96.9	90	110	
Cd	111	1	No Gas	98.589	1.587	461536	1.82	100	98.6	90	110	
Sr	88	1	No Gas	95.525	0.181	4775995	1.02	100	95.5	90	110	
Mo	95	1	No Gas	93.766	1.546	947230	0.54	100	93.8	90	110	
Sn	118	1	No Gas	95.927	1.184	1384296	2.07	100	95.9	90	110	
Sb	121	1	No Gas	101.792	1.325	1959229	1.81	100	101.8	90	110	
Ba	137	1	No Gas	97.665	1.334	752832	1.61	100	97.7	90	110	
Tl	205	1	No Gas	94.610	6.293	3314635	1.14	100	94.6	90	110	
Tl	203	1	No Gas	92.328	6.080	1404537	0.76	100	92.3	90	110	
Pb	208	1	No Gas	95.428	4.656	4916707	0.80	100	95.4	90	110	
U	238	1	No Gas	95.802	6.520	4892941	1.31	100	95.8	90	110	
Ca	43	2	He	9182.611	2.742	51972	1.35	10000	91.8	90	110	
Sb	121	2	He	94.303	4.076	1067337	3.16	100	94.3	90	110	
Ti	47	2	He	93.052	3.193	46328	3.17	100	93.1	90	110	
Cu	63	1	No Gas	100.632	2.076	1917627	1.34	100	100.6	90	110	
Se	82	1	No Gas	100.141	2.120	36174	2.58	100	100.1	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1520060	2.00	1326043	114.63	70	120	
Ge	72	2	He	1146636	1.72	1091369	105.06	70	120	
Ge	72	1	No Gas	3506603	0.83	3159633	110.98	70	120	
In	115	1	No Gas	3800239	1.02	3381547	112.38	70	120	
Bi	209	1	No Gas	3164061	5.37	2779551	113.83	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\062023A.b
Acq Date Time	2023-06-20T13:04:19-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	019CALB.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
Li	7	1	No Gas	-0.186	-25.4	97803	0.9	0.5	
Be	9	1	No Gas	-0.005	-13.0	35	14.3	0.5	
V	51	2	He	0.115	19.4	7213	2.9	2.5	
Cr	52	2	He	0.100	88.0	42891	3.5	2.5	
Fe	56	2	He	0.467	15.4	63773	0.9	100	
Se	78	2	He	-0.090	-110.1	259	8.3	2	
As	75	2	He	0.015	248.9	502	13.6	2.5	
Ca	44	2	He	-10.343	-127.4	4104	30.5	100	
Na	23	2	He	-15.721	-4.2	84820	0.8	100	
Mg	24	2	He	0.857	82.7	2815	32.1	100	
K	39	2	He	-6.615	-35.6	212283	1.3	100	
Mn	55	2	He	0.029	53.2	2717	6.0	2.5	
Co	59	2	He	-0.002	-280.1	407	25.2	2.5	
Ni	60	2	He	0.015	342.3	2510	9.4	2.5	
Cu	63	2	He	-0.042	-11.6	1333	3.5	2	
Zn	66	2	He	-0.055	-123.0	2274	5.6	2.5	
Al	27	2	He	-0.052	-7265.8	4618	77.0	5	
B	11	1	No Gas	5.952	3.8	47841	2.3	0.5	CCB Main CR1 Failed
Al	27	1	No Gas	-2.372	-1.5	81843	1.2	5	
Si	28	1	No Gas	-9.456	-7.3	835096	0.7	10	
Ag	107	1	No Gas	0.004	52.1	573	8.1	2.5	
Cd	111	1	No Gas	-0.011	-78.7	-74	-58.6	1	
Sr	88	1	No Gas	-0.048	-7.9	3040	6.9	2.5	
Mo	95	1	No Gas	0.130	18.0	2317	9.8	2.5	
Sn	118	1	No Gas	0.172	16.9	4481	8.9	5	
Sb	121	1	No Gas	0.080	4.6	1984	3.3	2.5	
Ba	137	1	No Gas	-0.055	-29.1	697	17.8	2.5	
Tl	205	1	No Gas	0.609	38.5	22447	43.3	1	
Tl	203	1	No Gas	0.583	43.0	9294	47.7	1	
Pb	208	1	No Gas	-0.002	-154.1	2157	5.4	2.5	
U	238	1	No Gas	0.017	52.8	1340	40.9	2.5	
Ca	43	2	He	2.330	803.1	153	68.5	100	
Sb	121	2	He	0.064	21.0	920	16.4	2.5	
Ti	47	2	He	0.052	58.3	37	41.7	2.5	
Cu	63	1	No Gas	-0.053	-15.8	3014	4.1	2.5	
Se	82	1	No Gas	-0.251	-79.6	61	122.0	2	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1587310	1.64	1326043	119.70	70	120	
Ge	72	2	He	1149746	0.91	1091369	105.35	70	120	
Ge	72	1	No Gas	3626605	1.31	3159633	114.78	70	120	
In	115	1	No Gas	3880944	0.72	3381547	114.77	70	120	
Bi	209	1	No Gas	3178451	5.78	2779551	114.35	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\062023A.b
Acq Date Time	2023-06-20T13:31:22-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	019CALB.d
n	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
Li	7	1	No Gas	98.033	3.549	2098806	1.61	100	98.0	90	110	
Be	9	1	No Gas	96.094	2.666	626061	1.46	100	96.1	90	110	
V	51	2	He	96.210	2.226	1049122	1.31	100	96.2	90	110	
Cr	52	2	He	97.565	3.041	1182975	2.28	100	97.6	90	110	
Fe	56	2	He	9782.523	2.910	102212392	1.87	10000	97.8	90	110	
Se	78	2	He	96.694	1.340	20449	0.98	100	96.7	90	110	
As	75	2	He	98.661	1.029	171897	1.07	100	98.7	90	110	
Ca	44	2	He	9756.943	3.308	845953	2.82	10000	97.6	90	110	
Na	23	2	He	9766.396	2.248	18411561	1.02	10000	97.7	90	110	
Mg	24	2	He	9773.264	0.583	11315402	1.46	10000	97.7	90	110	
K	39	2	He	9556.253	0.946	17031984	0.55	10000	95.6	90	110	
Mn	55	2	He	96.681	2.090	929865	1.23	100	96.7	90	110	
Co	59	2	He	102.664	1.990	1589104	1.44	100	102.7	90	110	
Ni	60	2	He	100.743	1.095	383648	0.20	100	100.7	90	110	
Cu	63	2	He	102.850	1.070	939982	0.18	100	102.9	90	110	
Zn	66	2	He	102.845	0.320	207670	1.28	100	102.8	90	110	
Al	27	2	He	103.410	0.394	96731	1.14	100	103.4	90	110	
B	11	1	No Gas	497.465	1.639	1856658	1.83	500	99.5	90	110	
Al	27	1	No Gas	104.387	0.798	2841221	1.48	100	104.4	90	110	
Si	28	1	No Gas	560.487	1.661	8912042	1.16	5000	11.2	90	110	CCV Main CR1-2 Failed
Ag	107	1	No Gas	98.528	0.264	2207246	1.21	100	98.5	90	110	
Cd	111	1	No Gas	102.371	0.430	447301	1.47	100	102.4	90	110	
Sr	88	1	No Gas	97.834	0.812	4564965	0.70	100	97.8	90	110	
Mo	95	1	No Gas	97.545	3.812	919482	2.61	100	97.5	90	110	
Sn	118	1	No Gas	99.006	0.838	1333263	0.66	100	99.0	90	110	
Sb	121	1	No Gas	102.336	2.115	1897834	0.97	100	102.3	90	110	
Ba	137	1	No Gas	101.873	0.898	732831	0.71	100	101.9	90	110	
Tl	205	1	No Gas	97.566	6.716	3198384	1.29	100	97.6	90	110	
Tl	203	1	No Gas	96.133	5.386	1368971	1.02	100	96.1	90	110	
Pb	208	1	No Gas	97.703	7.085	4706784	1.57	100	97.7	90	110	
U	238	1	No Gas	98.666	6.542	4715979	1.35	100	98.7	90	110	
Ca	43	2	He	9654.365	3.248	51363	2.03	10000	96.5	90	110	
Sb	121	2	He	97.441	0.692	1037090	1.35	100	97.4	90	110	
Ti	47	2	He	98.959	0.130	46322	1.22	100	99.0	90	110	
Cu	63	1	No Gas	99.260	1.411	1822888	0.22	100	99.3	90	110	
Se	82	1	No Gas	101.700	0.584	35399	0.76	100	101.7	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1446095	1.81	1326043	109.05	70	120	
Ge	72	2	He	1077946	1.23	1091369	98.77	70	120	
Ge	72	1	No Gas	3379347	1.22	3159633	106.95	70	120	
In	115	1	No Gas	3546927	1.39	3381547	104.89	70	120	
Bi	209	1	No Gas	2961155	5.44	2779551	106.53	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\062023A.b
Acq Date Time	2023-06-20T13:33:10-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	019CALB.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
Li	7	1	No Gas	-0.045	-188.9	97553	1.2	0.5	
Be	9	1	No Gas	0.103	63.7	780	56.9	0.5	
V	51	2	He	0.127	3.5	7017	1.4	2.5	
Cr	52	2	He	0.227	36.6	42416	1.6	2.5	
Fe	56	2	He	3.743	4.5	95647	2.6	100	
Se	78	2	He	0.130	83.4	294	7.1	2	
As	75	2	He	0.044	47.5	530	6.4	2.5	
Ca	44	2	He	-14.543	-17.8	3541	7.1	100	
Na	23	2	He	-12.889	-3.6	86309	1.0	100	
Mg	24	2	He	3.633	12.7	5951	9.8	100	
K	39	2	He	3.159	2.9	220008	0.7	100	
Mn	55	2	He	0.052	11.2	2820	2.7	2.5	
Co	59	2	He	0.025	51.9	813	25.1	2.5	
Ni	60	2	He	0.083	43.0	2654	4.5	2.5	
Cu	63	2	He	-0.005	-90.6	1617	2.3	2	
Zn	66	2	He	-0.024	-115.2	2234	3.0	2.5	
Al	27	2	He	-1.911	-6.5	2730	4.8	5	
B	11	1	No Gas	8.224	10.2	55091	5.1	0.5	CCB Main CR1 Failed
Al	27	1	No Gas	-2.144	-4.0	83162	3.1	5	
Si	28	1	No Gas	-6.426	-9.0	831226	1.5	10	
Ag	107	1	No Gas	0.101	50.2	2807	42.8	2.5	
Cd	111	1	No Gas	0.093	60.8	403	64.1	1	
Sr	88	1	No Gas	0.068	79.0	8510	31.4	2.5	
Mo	95	1	No Gas	0.208	24.5	2960	17.6	2.5	
Sn	118	1	No Gas	0.319	26.1	6292	19.0	5	
Sb	121	1	No Gas	0.194	37.3	4001	34.3	2.5	
Ba	137	1	No Gas	0.058	91.3	1503	26.8	2.5	
Tl	205	1	No Gas	0.720	34.5	25339	39.6	1	
Tl	203	1	No Gas	0.687	40.5	10482	45.6	1	
Pb	208	1	No Gas	0.099	43.7	7191	35.5	2.5	
U	238	1	No Gas	0.119	43.2	6422	46.4	2.5	
Ca	43	2	He	25.682	127.9	273	65.9	100	
Sb	121	2	He	0.074	13.0	983	11.3	2.5	
Ti	47	2	He	0.091	35.6	53	28.6	2.5	
Cu	63	1	No Gas	0.069	53.4	5094	13.8	2.5	
Se	82	1	No Gas	-0.068	-445.7	121	87.9	2	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1533753	2.35	1326043	115.66	70	120	
Ge	72	2	He	1096661	0.74	1091369	100.48	70	120	
Ge	72	1	No Gas	3419324	0.55	3159633	108.22	70	120	
In	115	1	No Gas	3672847	0.96	3381547	108.61	70	120	
Bi	209	1	No Gas	3055303	5.80	2779551	109.92	70	120	

Sample Report

Sample Table

Sample Name	MBLK-195358
Data File Name	110SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T13:53:24-05:00
Sample Type	Sample
Dilution	1
Comment	TW B 195358
ISTD Ref FileName	019CALB.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
Li	7	1	No Gas	-0.100	-0.100	-61.91	95731	0.00	2000	
Be	9	1	No Gas	-0.003	-0.003	-97.63	47	-0.01	2000	
V	51	2	He	0.110	0.110	9.77	6871	0.00	2000	
Cr	52	2	He	0.041	0.041	434.83	40453	0.00	2000	
Fe	56	2	He	0.589	0.589	44.91	62531	0.00	200000	
Se	78	2	He	0.086	0.086	145.92	287	0.03	2000	
As	75	2	He	0.019	0.019	118.38	489	0.00	2000	
Ca	44	2	He	82.864	82.864	7.02	12162	0.68	200000	
Na	23	2	He	-5.932	-5.932	-20.85	100245	-0.01	200000	
Mg	24	2	He	1.034	1.034	11.24	2907	0.04	200000	
K	39	2	He	7.737	7.737	36.80	229734	0.00	200000	
Mn	55	2	He	0.146	0.146	16.76	3761	0.00	2000	
Co	59	2	He	-0.004	-0.004	-49.76	353	0.00	2000	
Ni	60	2	He	-0.105	-0.105	-63.66	1940	-0.01	2000	
Cu	63	2	He	0.005	0.005	461.71	1720	0.00	2000	
Zn	66	2	He	2.093	2.093	11.21	6575	0.03	2000	
Al	27	2	He	0.562	0.562	80.92	5004	0.01	2000	
B	11	1	No Gas	4.963	4.963	1.10	42074	0.01	2000	
Al	27	1	No Gas	1.672	1.672	121.65	183492	0.00	2000	
Si	28	1	No Gas	-6.126	-6.126	-4.29	836946	0.00	2000	
Ag	107	1	No Gas	-0.007	-0.007	-57.59	300	0.00	2000	
Cd	111	1	No Gas	-0.006	-0.006	-71.73	-44	0.01	2000	
Sr	88	1	No Gas	0.003	0.003	86.63	5304	0.00	2000	
Mo	95	1	No Gas	0.182	0.182	92.21	2695	0.01	2000	
Sn	118	1	No Gas	0.234	0.234	11.33	5091	0.00	2000	
Sb	121	1	No Gas	0.015	0.015	22.76	647	0.00	2000	
Ba	137	1	No Gas	-0.062	-0.062	-18.94	610	-0.01	2000	
Tl	205	1	No Gas	0.034	0.034	7.32	1834	0.00	2000	
Tl	203	1	No Gas	0.034	0.034	13.26	743	0.00	2000	
Pb	208	1	No Gas	-0.013	-0.013	-21.60	1570	0.00	2000	
U	238	1	No Gas	-0.003	-0.003	-60.79	300	0.00	2000	
Ca	43	2	He	86.951	86.951	20.28	607	14.33	200000	
Sb	121	2	He	0.010	0.010	66.92	290	0.00	2000	
Ti	47	2	He	0.007	0.007	181.91	13	0.05	2000	
Cu	63	1	No Gas	0.000	0.000	3020.08	3827	0.00	2000	
Zn	66	1	No Gas	2.223	2.223	5.40	16918	0.01	2000	
Se	82	1	No Gas	-0.203	-0.203	-100.18	74	-0.27	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1523501	2.16	1326043	114.89	70	120	
Ge	72	2	He	1104472	2.89	1091369	101.20	70	120	

Sample Report

Ge	72	1	No Gas	3425125	0.29	3159633	108.40	70	120	
In	115	1	No Gas	3662167	0.16	3381547	108.30	70	120	
Bi	209	1	No Gas	3151200	12.01	2779551	113.37	70	120	

Sample Report

Sample Table

Sample Name	LCS-195358
Data File Name	111SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T13:55:21-05:00
Sample Type	Sample
Dilution	1
Comment	TW B 195358
ISTD Ref FileName	019CALB.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
Li	7	1	No Gas	90.704	90.704	1.09	2054213	0.00	2000	
Be	9	1	No Gas	45.419	45.419	0.28	311891	0.01	2000	
V	51	2	He	46.101	46.101	0.09	542365	0.01	2000	
Cr	52	2	He	45.551	45.551	0.41	614803	0.01	2000	
Fe	56	2	He	4603.929	4603.929	1.37	51635708	0.01	200000	
Se	78	2	He	47.302	47.302	1.88	10873	0.44	2000	
As	75	2	He	46.393	46.393	0.51	86953	0.05	2000	
Ca	44	2	He	4822.936	4822.936	0.84	451152	1.07	200000	
Na	23	2	He	4640.316	4640.316	1.01	9445900	0.05	200000	
Mg	24	2	He	4646.307	4646.307	0.31	5770789	0.08	200000	
K	39	2	He	4552.477	4552.477	1.72	8821985	0.05	200000	
Mn	55	2	He	46.833	46.833	0.99	484442	0.01	2000	
Co	59	2	He	47.619	47.619	0.75	790901	0.01	2000	
Ni	60	2	He	47.589	47.589	1.07	195701	0.02	2000	
Cu	63	2	He	49.041	49.041	0.12	481686	0.01	2000	
Zn	66	2	He	49.149	49.149	0.97	107702	0.05	2000	
Al	27	2	He	90.080	90.080	0.96	90987	0.10	2000	
B	11	1	No Gas	461.920	461.920	0.32	1818134	0.03	2000	
Al	27	1	No Gas	95.764	95.764	0.74	2707950	0.00	2000	
Si	28	1	No Gas	533.845	533.845	0.14	8825714	0.01	2000	
Ag	107	1	No Gas	47.768	47.768	0.82	1111848	0.00	2000	
Cd	111	1	No Gas	50.148	50.148	2.15	227593	0.02	2000	
Sr	88	1	No Gas	93.735	93.735	1.88	4543527	0.00	2000	
Mo	95	1	No Gas	47.415	47.415	1.27	464882	0.01	2000	
Sn	118	1	No Gas	93.256	93.256	1.71	1304641	0.01	2000	
Sb	121	1	No Gas	49.855	49.855	0.93	956678	0.01	2000	
Ba	137	1	No Gas	48.147	48.147	1.05	360371	0.01	2000	
Tl	205	1	No Gas	41.340	41.340	7.04	1433100	0.00	2000	
Tl	203	1	No Gas	41.569	41.569	8.09	625275	0.01	2000	
Pb	208	1	No Gas	45.890	45.890	9.28	2336056	0.00	2000	
U	238	1	No Gas	90.786	90.786	6.53	4588233	0.00	2000	
Ca	43	2	He	4888.086	4888.086	2.38	27972	17.47	200000	
Sb	121	2	He	45.297	45.297	0.19	517208	0.01	2000	
Ti	47	2	He	138.432	138.432	0.71	69495	0.20	2000	
Cu	63	1	No Gas	50.435	50.435	2.67	959916	0.01	2000	
Zn	66	1	No Gas	50.978	50.978	0.52	267388	0.02	2000	
Se	82	1	No Gas	50.403	50.403	1.32	18221	0.28	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1523592	1.03	1326043	114.90	70	120	
Ge	72	2	He	1156177	0.55	1091369	105.94	70	120	
Ge	72	1	No Gas	3495506	1.05	3159633	110.63	70	120	
In	115	1	No Gas	3684566	0.79	3381547	108.96	70	120	

Sample Report

Bi	209	1	No Gas	3133853	7.51	2779551	112.75	70	120	

Sample Report

Sample Table

Sample Name	HS23060391-02SD
Data File Name	115SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T14:12:32-05:00
Sample Type	Sample
Dilution	25
Comment	TW B 195358
ISTD Ref FileName	019CALB.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
Li	7	1	No Gas	47.579	1189.478	1.11	1176217	0.00	2000	
Be	9	1	No Gas	-0.008	-0.198	-8.88	15	-0.05	2000	
V	51	2	He	0.490	12.254	5.43	12346	0.00	2000	
Cr	52	2	He	0.132	3.288	53.24	46231	0.00	2000	
Fe	56	2	He	6.900	172.509	3.24	144673	0.00	200000	
Se	78	2	He	3.924	98.102	5.66	1232	0.32	2000	
As	75	2	He	0.051	1.280	56.54	608	0.01	2000	
Ca	44	2	He	19125.306	478132.642	1.33	1884291	1.01	200000	
Na	23	2	He	77769.738	1944243.448	0.47	166205298	0.05	200000	
Mg	24	2	He	44523.219	1113080.477	0.59	58723066	0.08	200000	
K	39	2	He	1113.097	27827.430	0.77	2472492	0.05	200000	
Mn	55	2	He	31.457	786.428	0.33	346504	0.01	2000	
Co	59	2	He	0.270	6.760	8.21	5241	0.01	2000	
Ni	60	2	He	11.530	288.250	1.47	52344	0.02	2000	
Cu	63	2	He	-0.041	-1.013	-2.73	1443	0.00	2000	
Zn	66	2	He	0.370	9.248	24.54	3397	0.01	2000	
Al	27	2	He	-0.309	-7.734	-787.62	4679	-0.01	2000	
B	11	1	No Gas	59.799	1494.987	1.70	267051	0.02	2000	
Al	27	1	No Gas	-1.848	-46.189	-27.63	101636	0.00	2000	
Si	28	1	No Gas	250.816	6270.403	1.58	5086357	0.00	2000	
Ag	107	1	No Gas	-0.003	-0.069	-87.06	410	0.00	2000	
Cd	111	1	No Gas	-0.008	-0.205	-54.99	-59	0.01	2000	
Sr	88	1	No Gas	508.979	12724.470	2.39	25937266	0.00	2000	
Mo	95	1	No Gas	0.080	2.000	38.50	1800	0.00	2000	
Sn	118	1	No Gas	0.048	1.196	60.63	2654	0.00	2000	
Sb	121	1	No Gas	0.003	0.083	134.81	473	0.00	2000	
Ba	137	1	No Gas	0.347	8.663	2.26	3854	0.01	2000	
Tl	205	1	No Gas	-0.007	-0.187	-17.47	370	0.00	2000	
Tl	203	1	No Gas	-0.007	-0.175	-32.46	110	-0.01	2000	
Pb	208	1	No Gas	-0.015	-0.386	-4.53	1417	0.00	2000	
U	238	1	No Gas	1.118	27.940	6.08	55620	0.00	2000	
Ca	43	2	He	19822.250	495556.248	0.84	120026	16.51	200000	
Sb	121	2	He	0.006	0.152	71.73	280	0.00	2000	
Ti	47	2	He	0.073	1.814	89.02	50	0.15	2000	
Cu	63	1	No Gas	0.507	12.682	3.46	14798	0.00	2000	
Zn	66	1	No Gas	1.126	28.138	7.88	12736	0.01	2000	
Se	82	1	No Gas	4.735	118.366	2.70	2021	0.23	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1594454	1.33	1326043	120.24	70	120	ISTD Failed
Ge	72	2	He	1228147	0.51	1091369	112.53	70	120	
Ge	72	1	No Gas	3825984	1.04	3159633	121.09	70	120	ISTD Failed
In	115	1	No Gas	3877621	1.61	3381547	114.67	70	120	

Sample Report

Bi	209	1	No Gas	3061957	7.37	2779551	110.16	70	120	

Sample Report

Sample Table

Sample Name	HS23060391-02MS
Data File Name	116SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T14:14:29-05:00
Sample Type	Sample
Dilution	5
Comment	TW B 195358
ISTD Ref FileName	019CALB.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
Li	7	1	No Gas	244.607	1223.035	1.41	5138261	0.00	2000	
Be	9	1	No Gas	9.193	45.967	1.86	60428	0.02	2000	
V	51	2	He	10.256	51.282	0.88	130297	0.01	2000	
Cr	52	2	He	9.746	48.731	0.75	171067	0.01	2000	
Fe	56	2	He	952.231	4761.155	0.77	11157690	0.01	200000	
Se	78	2	He	28.915	144.577	0.60	7028	0.41	2000	
As	75	2	He	9.634	48.171	1.48	19175	0.05	2000	
Ca	44	2	He	88674.983	443374.915	2.70	8535097	1.04	200000	
Na	23	2	He	365970.394	1829851.969	0.74	765402282	0.05	200000	>LDR
Mg	24	2	He	208400.608	1042003.039	1.28	269136623	0.08	200000	>LDR
K	39	2	He	6037.019	30185.097	1.65	12090757	0.05	200000	
Mn	55	2	He	152.546	762.728	1.52	1635525	0.01	2000	
Co	59	2	He	10.467	52.334	1.04	181189	0.01	2000	
Ni	60	2	He	63.213	316.067	0.57	269542	0.02	2000	
Cu	63	2	He	9.132	45.662	1.06	94790	0.01	2000	
Zn	66	2	He	10.060	50.300	4.49	24917	0.04	2000	
Al	27	2	He	17.189	85.947	2.69	22021	0.08	2000	
B	11	1	No Gas	358.212	1791.059	1.30	1353193	0.03	2000	
Al	27	1	No Gas	18.037	90.186	0.53	647796	0.00	2000	
Si	28	1	No Gas	1336.299	6681.496	1.55	21403694	0.01	2000	
Ag	107	1	No Gas	9.488	47.440	1.18	218903	0.00	2000	
Cd	111	1	No Gas	9.599	47.994	0.18	43095	0.02	2000	
Sr	88	1	No Gas	2428.066	12140.328	0.72	116340912	0.00	2000	>LDR
Mo	95	1	No Gas	10.183	50.916	0.25	99523	0.01	2000	
Sn	118	1	No Gas	19.402	97.008	0.47	270058	0.01	2000	
Sb	121	1	No Gas	9.632	48.158	1.13	191677	0.01	2000	
Ba	137	1	No Gas	11.436	57.179	2.10	85518	0.01	2000	
Tl	205	1	No Gas	9.158	45.792	6.96	286227	0.00	2000	
Tl	203	1	No Gas	8.871	44.356	6.18	120380	0.01	2000	
Pb	208	1	No Gas	9.524	47.622	6.87	438557	0.00	2000	
U	238	1	No Gas	25.520	127.601	5.80	1161547	0.00	2000	
Ca	43	2	He	94594.850	472974.248	1.79	560305	16.88	200000	
Sb	121	2	He	8.650	43.250	2.12	102888	0.01	2000	
Ti	47	2	He	28.125	140.624	1.23	14695	0.19	2000	
Cu	63	1	No Gas	11.874	59.369	1.39	237135	0.01	2000	
Zn	66	1	No Gas	12.970	64.851	2.57	74967	0.02	2000	
Se	82	1	No Gas	34.328	171.638	4.03	12901	0.27	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1457048	1.91	1326043	109.88	70	120	
Ge	72	2	He	1202620	0.65	1091369	110.19	70	120	
Ge	72	1	No Gas	3619270	1.54	3159633	114.55	70	120	
In	115	1	No Gas	3645878	0.66	3381547	107.82	70	120	
Bi	209	1	No Gas	2818816	5.91	2779551	101.41	70	120	

Sample Report

Sample Table

Sample Name	HS23060391-02MSD
Data File Name	117SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T14:16:26-05:00
Sample Type	Sample
Dilution	5
Comment	TW B 195358
ISTD Ref FileName	019CALB.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
Li	7	1	No Gas	240.563	1202.817	3.25	5050133	0.00	2000	
Be	9	1	No Gas	9.084	45.418	2.41	59661	0.02	2000	
V	51	2	He	10.537	52.686	1.78	129149	0.01	2000	
Cr	52	2	He	10.118	50.591	0.96	169955	0.01	2000	
Fe	56	2	He	967.640	4838.202	1.34	10951784	0.01	200000	
Se	78	2	He	29.863	149.314	5.95	7000	0.43	2000	
As	75	2	He	9.740	48.698	3.17	18720	0.05	2000	
Ca	44	2	He	91847.443	459237.217	1.80	8540683	1.08	200000	
Na	23	2	He	375892.976	1879464.882	0.73	759478655	0.05	200000	>LDR
Mg	24	2	He	215068.878	1075344.389	2.98	268283449	0.08	200000	>LDR
K	39	2	He	6208.217	31041.083	1.26	12005279	0.05	200000	
Mn	55	2	He	156.912	784.562	1.93	1625264	0.01	2000	
Co	59	2	He	10.715	53.575	0.88	179170	0.01	2000	
Ni	60	2	He	63.647	318.234	0.99	262155	0.02	2000	
Cu	63	2	He	9.361	46.805	1.60	93812	0.01	2000	
Zn	66	2	He	10.082	50.411	1.11	24122	0.04	2000	
Al	27	2	He	22.825	114.126	17.48	26720	0.09	2000	
B	11	1	No Gas	361.776	1808.882	2.57	1365473	0.03	2000	
Al	27	1	No Gas	19.196	95.981	2.19	656590	0.00	2000	
Si	28	1	No Gas	1379.991	6899.954	1.09	21314264	0.01	2000	
Ag	107	1	No Gas	9.624	48.118	0.98	214218	0.00	2000	
Cd	111	1	No Gas	9.861	49.305	1.80	42722	0.02	2000	
Sr	88	1	No Gas	2506.764	12533.821	1.44	115885145	0.00	2000	>LDR
Mo	95	1	No Gas	10.481	52.407	2.62	98798	0.01	2000	
Sn	118	1	No Gas	19.995	99.973	1.55	268485	0.01	2000	
Sb	121	1	No Gas	9.952	49.760	1.88	191233	0.01	2000	
Ba	137	1	No Gas	11.711	58.553	1.76	84457	0.01	2000	
Tl	205	1	No Gas	9.516	47.581	7.18	279672	0.00	2000	
Tl	203	1	No Gas	9.153	45.766	8.28	116712	0.01	2000	
Pb	208	1	No Gas	9.898	49.488	7.64	428426	0.00	2000	
U	238	1	No Gas	26.485	132.425	7.09	1133317	0.00	2000	
Ca	43	2	He	97097.963	485489.815	1.63	555573	17.48	200000	
Sb	121	2	He	8.690	43.451	2.39	99852	0.01	2000	
Ti	47	2	He	30.561	152.804	3.60	15422	0.20	2000	
Cu	63	1	No Gas	12.399	61.994	1.41	238924	0.01	2000	
Zn	66	1	No Gas	13.354	66.770	1.45	74360	0.02	2000	
Se	82	1	No Gas	34.830	174.148	3.51	12637	0.28	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1456580	3.32	1326043	109.84	70	120	
Ge	72	2	He	1161837	1.16	1091369	106.46	70	120	
Ge	72	1	No Gas	3495073	0.89	3159633	110.62	70	120	
In	115	1	No Gas	3518090	1.48	3381547	104.04	70	120	
Bi	209	1	No Gas	2652714	7.15	2779551	95.44	70	120	

Sample Report

Sample Table

Sample Name	HS23060391-02PDS
Data File Name	118SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T14:18:23-05:00
Sample Type	Sample
Dilution	5
Comment	TW B 195358
ISTD Ref FileName	019CALB.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
Li	7	1	No Gas	224.411	1122.055	2.17	4643455	0.00	2000	
Be	9	1	No Gas	97.458	487.290	3.04	629180	0.02	2000	
V	51	2	He	102.179	510.893	1.75	1214670	0.01	2000	
Cr	52	2	He	98.603	493.017	1.13	1303350	0.01	2000	
Fe	56	2	He	10008.919	50044.597	1.12	114052695	0.01	200000	
Se	78	2	He	122.850	614.252	0.65	28253	0.43	2000	
As	75	2	He	103.222	516.111	1.01	196084	0.05	2000	
Ca	44	2	He	97257.484	486287.422	0.40	9149390	1.06	200000	
Na	23	2	He	374210.585	1871052.924	0.42	764883615	0.05	200000	>LDR
Mg	24	2	He	220339.773	1101698.864	0.63	278111969	0.08	200000	>LDR
K	39	2	He	15129.940	75649.701	0.32	29269638	0.05	200000	
Mn	55	2	He	238.418	1192.089	2.03	2497071	0.01	2000	
Co	59	2	He	101.710	508.549	1.39	1716830	0.01	2000	
Ni	60	2	He	152.189	760.943	1.12	630704	0.02	2000	
Cu	63	2	He	97.446	487.229	0.22	971221	0.01	2000	
Zn	66	2	He	97.901	489.505	0.96	215666	0.05	2000	
Al	27	2	He	94.813	474.063	2.72	97108	0.10	2000	
B	11	1	No Gas	268.972	1344.858	2.57	1004418	0.03	2000	
Al	27	1	No Gas	98.176	490.880	0.61	2852831	0.00	2000	
Si	28	1	No Gas	1242.745	6213.723	0.36	19849815	0.01	2000	
Ag	107	1	No Gas	101.125	505.626	1.24	2262289	0.00	2000	
Cd	111	1	No Gas	105.515	527.574	0.17	460412	0.02	2000	
Sr	88	1	No Gas	2440.784	12203.918	0.66	113617278	0.00	2000	>LDR
Mo	95	1	No Gas	108.232	541.160	1.04	1019057	0.01	2000	
Sn	118	1	No Gas	0.099	0.494	24.52	3110	0.00	2000	
Sb	121	1	No Gas	96.312	481.559	1.07	1901449	0.01	2000	
Ba	137	1	No Gas	107.725	538.625	0.80	773870	0.01	2000	
Tl	205	1	No Gas	108.935	544.675	5.13	3332142	0.00	2000	
Tl	203	1	No Gas	107.497	537.485	7.05	1426840	0.01	2000	
Pb	208	1	No Gas	101.124	505.620	6.50	4544162	0.00	2000	
U	238	1	No Gas	5.324	26.622	5.93	237742	0.00	2000	
Ca	43	2	He	102031.843	510159.216	0.80	590662	17.27	200000	
Sb	121	2	He	88.407	442.037	0.75	1025999	0.01	2000	
Ti	47	2	He	103.651	518.253	0.88	52902	0.20	2000	
Cu	63	1	No Gas	100.777	503.887	1.19	1970071	0.01	2000	
Zn	66	1	No Gas	105.044	525.219	0.82	560543	0.02	2000	
Se	82	1	No Gas	134.452	672.261	1.42	49764	0.27	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1433026	1.91	1326043	108.07	70	120	
Ge	72	2	He	1175324	0.52	1091369	107.69	70	120	
Ge	72	1	No Gas	3596706	0.78	3159633	113.83	70	120	
In	115	1	No Gas	3542106	0.82	3381547	104.75	70	120	
Bi	209	1	No Gas	2761586	5.48	2779551	99.35	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	120_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T14:23:30-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	019CALB.d
n	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
Li	7	1	No Gas	95.772	0.173	2206348	1.80	100	95.8	90	110	
Be	9	1	No Gas	92.168	1.021	645328	1.09	100	92.2	90	110	
V	51	2	He	96.010	2.663	1125188	2.67	100	96.0	90	110	
Cr	52	2	He	98.433	2.501	1282305	2.35	100	98.4	90	110	
Fe	56	2	He	9783.866	0.534	109871652	0.64	10000	97.8	90	110	
Se	78	2	He	95.540	0.723	21716	0.76	100	95.5	90	110	
As	75	2	He	98.312	0.295	184070	0.46	100	98.3	90	110	
Ca	44	2	He	9437.511	2.622	879571	2.75	10000	94.4	90	110	
Na	23	2	He	9980.905	1.877	20220241	2.05	10000	99.8	90	110	
Mg	24	2	He	9733.706	1.027	12109764	1.18	10000	97.3	90	110	
K	39	2	He	9636.248	1.511	18454636	1.68	10000	96.4	90	110	
Mn	55	2	He	98.129	2.708	1014262	2.68	100	98.1	90	110	
Co	59	2	He	100.734	2.540	1675727	2.74	100	100.7	90	110	
Ni	60	2	He	102.434	0.446	419166	0.64	100	102.4	90	110	
Cu	63	2	He	99.632	2.017	978613	2.20	100	99.6	90	110	
Zn	66	2	He	102.852	1.463	223170	1.64	100	102.9	90	110	
Al	27	2	He	101.523	2.080	102133	2.05	100	101.5	90	110	
B	11	1	No Gas	511.946	3.572	2051778	2.14	500	102.4	90	110	
Al	27	1	No Gas	103.369	3.653	3134459	2.50	100	103.4	90	110	
Si	28	1	No Gas	604.353	0.802	10623893	0.61	5000	12.1	90	110	CCV Main CR1-2 Failed
Ag	107	1	No Gas	98.400	2.157	2428057	2.12	100	98.4	90	110	
Cd	111	1	No Gas	102.069	1.153	491225	1.13	100	102.1	90	110	
Sr	88	1	No Gas	97.877	2.450	5030641	2.41	100	97.9	90	110	
Mo	95	1	No Gas	94.343	1.064	979869	1.03	100	94.3	90	110	
Sn	118	1	No Gas	98.880	0.543	1466761	0.50	100	98.9	90	110	
Sb	121	1	No Gas	98.258	1.003	2029896	1.28	100	98.3	90	110	
Ba	137	1	No Gas	99.262	0.890	786571	0.84	100	99.3	90	110	
Tl	205	1	No Gas	95.189	8.005	3338501	1.20	100	95.2	90	110	
Tl	203	1	No Gas	93.621	8.247	1425489	1.48	100	93.6	90	110	
Pb	208	1	No Gas	95.832	8.360	4939358	1.77	100	95.8	90	110	
U	238	1	No Gas	96.240	8.082	4920771	1.33	100	96.2	90	110	
Ca	43	2	He	9686.161	0.963	55388	1.08	10000	96.9	90	110	
Sb	121	2	He	92.092	0.546	1053256	0.75	100	92.1	90	110	
Ti	47	2	He	97.793	0.903	49188	0.78	100	97.8	90	110	
Cu	63	1	No Gas	101.272	0.606	2071561	0.71	100	101.3	90	110	
Se	82	1	No Gas	101.133	2.264	39203	0.96	100	101.1	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1553851	1.96	1326043	117.18	70	120	
Ge	72	2	He	1158306	0.20	1091369	106.13	70	120	
Ge	72	1	No Gas	3763993	1.31	3159633	119.13	70	120	
In	115	1	No Gas	3906771	0.05	3381547	115.53	70	120	
Bi	209	1	No Gas	3172482	7.16	2779551	114.14	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	121_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T14:25:16-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	019CALB.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	Upper Limit	QC Flag
Li	7	1	No Gas	-0.130	-16.6	100895	0.9	0.5	
Be	9	1	No Gas	0.113	44.5	897	41.2	0.5	
V	51	2	He	0.105	18.3	7271	2.7	2.5	
Cr	52	2	He	0.303	33.5	46482	2.1	2.5	
Fe	56	2	He	5.205	9.8	119306	5.3	100	
Se	78	2	He	0.026	634.7	292	13.1	2	
As	75	2	He	0.045	70.4	571	10.1	2.5	
Ca	44	2	He	-14.123	-3.5	3837	0.9	100	
Na	23	2	He	10.206	11.5	139875	2.4	100	
Mg	24	2	He	5.685	11.4	8980	9.9	100	
K	39	2	He	6.894	18.0	243247	1.6	100	
Mn	55	2	He	0.052	18.9	3024	3.8	2.5	
Co	59	2	He	0.032	41.6	993	23.4	2.5	
Ni	60	2	He	0.161	47.4	3167	9.2	2.5	
Cu	63	2	He	-0.005	-49.0	1733	0.9	2	
Zn	66	2	He	-0.047	-81.5	2347	3.4	2.5	
Al	27	2	He	-2.060	-10.3	2784	7.1	5	
B	11	1	No Gas	9.750	6.9	64382	4.5	0.5	CCB Main CR1 Failed
Al	27	1	No Gas	-1.666	-52.9	105496	23.8	5	
Si	28	1	No Gas	-7.000	-12.9	907747	1.8	10	
Ag	107	1	No Gas	0.118	41.0	3477	36.4	2.5	
Cd	111	1	No Gas	0.110	79.7	523	83.8	1	
Sr	88	1	No Gas	0.304	104.9	21499	76.6	2.5	
Mo	95	1	No Gas	0.232	35.9	3471	26.9	2.5	
Sn	118	1	No Gas	0.331	15.0	7022	12.1	5	
Sb	121	1	No Gas	0.272	23.3	6022	22.0	2.5	
Ba	137	1	No Gas	0.083	46.4	1837	18.3	2.5	
Tl	205	1	No Gas	0.795	37.9	29349	41.3	1	
Tl	203	1	No Gas	0.760	38.8	12147	42.4	1	
Pb	208	1	No Gas	0.131	35.7	9262	30.9	2.5	
U	238	1	No Gas	0.136	33.2	7599	35.4	2.5	
Ca	43	2	He	-1.172	-691.4	137	33.8	100	
Sb	121	2	He	0.147	6.9	1900	6.5	2.5	
Ti	47	2	He	0.090	103.4	57	83.4	2.5	
Cu	63	1	No Gas	0.095	54.5	6152	17.3	2.5	
Se	82	1	No Gas	0.045	433.1	178	42.5	2	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1616359	0.53	1326043	121.89	70	120	ISTD Failed
Ge	72	2	He	1176677	0.76	1091369	107.82	70	120	
Ge	72	1	No Gas	3771761	0.32	3159633	119.37	70	120	
In	115	1	No Gas	3984883	1.35	3381547	117.84	70	120	
Bi	209	1	No Gas	3220359	4.27	2779551	115.86	70	120	

Sample Report

Sample Table

Sample Name	HS23060391-02MSD
Data File Name	129SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T14:42:11-05:00
Sample Type	Sample
Dilution	5
Comment	TW B 195358
ISTD Ref FileName	019CALB.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
Li	7	1	No Gas	236.314	1181.572	1.95	4613402	0.01	2000	
Be	9	1	No Gas	8.954	44.768	3.71	54646	0.02	2000	
V	51	2	He	10.156	50.782	1.58	113630	0.01	2000	
Cr	52	2	He	9.677	48.383	1.50	149785	0.01	2000	
Fe	56	2	He	936.914	4684.572	1.31	9664951	0.01	200000	
Se	78	2	He	29.456	147.278	1.80	6298	0.47	2000	
As	75	2	He	9.656	48.280	2.37	16916	0.06	2000	
Ca	44	2	He	86906.132	434530.659	1.13	7364466	1.18	200000	
Na	23	2	He	355861.327	1779306.635	0.44	655239337	0.05	200000	>LDR
Mg	24	2	He	205517.380	1027586.900	0.90	233662290	0.09	200000	>LDR
K	39	2	He	5930.294	29651.471	0.92	10460276	0.06	200000	
Mn	55	2	He	152.997	764.986	0.58	1444345	0.01	2000	
Co	59	2	He	10.309	51.545	1.75	157091	0.01	2000	
Ni	60	2	He	61.629	308.144	1.31	231391	0.03	2000	
Cu	63	2	He	9.039	45.197	0.88	82610	0.01	2000	
Zn	66	2	He	9.941	49.703	1.04	21704	0.05	2000	
Al	27	2	He	20.162	100.810	5.86	22006	0.09	2000	
B	11	1	No Gas	343.998	1719.988	3.97	1207549	0.03	2000	
Al	27	1	No Gas	20.996	104.981	2.08	638056	0.00	2000	
Si	28	1	No Gas	1322.902	6614.508	0.50	18535224	0.01	2000	
Ag	107	1	No Gas	9.193	45.964	0.66	189889	0.00	2000	
Cd	111	1	No Gas	9.397	46.983	1.73	37776	0.02	2000	
Sr	88	1	No Gas	2357.231	11786.157	0.90	101121708	0.00	2000	>LDR
Mo	95	1	No Gas	9.911	49.554	0.44	86748	0.01	2000	
Sn	118	1	No Gas	19.205	96.027	1.27	239355	0.01	2000	
Sb	121	1	No Gas	9.850	49.248	0.36	171375	0.01	2000	
Ba	137	1	No Gas	11.653	58.265	1.72	77990	0.01	2000	
Tl	205	1	No Gas	8.467	42.336	11.62	255671	0.00	2000	
Tl	203	1	No Gas	8.266	41.330	11.66	108324	0.01	2000	
Pb	208	1	No Gas	8.911	44.554	10.95	396631	0.00	2000	
U	238	1	No Gas	23.709	118.547	10.14	1043022	0.00	2000	
Ca	43	2	He	93318.305	466591.527	0.78	486627	19.18	200000	
Sb	121	2	He	8.881	44.407	0.88	93005	0.01	2000	
Ti	47	2	He	28.186	140.932	2.59	12963	0.22	2000	
Cu	63	1	No Gas	11.730	58.652	0.92	204862	0.01	2000	
Zn	66	1	No Gas	12.657	63.283	2.10	64095	0.02	2000	
Se	82	1	No Gas	33.305	166.525	2.06	10946	0.30	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1353414	1.54	1326043	102.06	70	120	
Ge	72	2	He	1058781	1.58	1091369	97.01	70	120	
Ge	72	1	No Gas	3164442	1.38	3159633	100.15	70	120	
In	115	1	No Gas	3264304	1.22	3381547	96.53	70	120	
Bi	209	1	No Gas	2736958	10.17	2779551	98.47	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	131_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T14:56:21-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	019CALB.d
n	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
Li	7	1	No Gas	96.957	3.302	2067345	1.67	100	97.0	90	110	
Be	9	1	No Gas	93.468	1.936	606183	0.73	100	93.5	90	110	
V	51	2	He	95.087	3.742	1013596	1.36	100	95.1	90	110	
Cr	52	2	He	97.424	3.022	1154951	1.34	100	97.4	90	110	
Fe	56	2	He	9694.252	2.554	99036442	0.73	10000	96.9	90	110	
Se	78	2	He	96.263	2.746	19903	1.30	100	96.3	90	110	
As	75	2	He	98.157	2.392	167188	0.02	100	98.2	90	110	
Ca	44	2	He	9742.447	3.025	825799	1.21	10000	97.4	90	110	
Na	23	2	He	9752.636	2.970	17974517	0.61	10000	97.5	90	110	
Mg	24	2	He	9655.571	3.302	10926465	1.03	10000	96.6	90	110	
K	39	2	He	9467.194	2.941	16496429	1.00	10000	94.7	90	110	
Mn	55	2	He	95.528	1.791	898524	2.25	100	95.5	90	110	
Co	59	2	He	99.767	3.325	1509541	1.10	100	99.8	90	110	
Ni	60	2	He	100.184	2.696	372995	1.15	100	100.2	90	110	
Cu	63	2	He	101.770	3.068	909231	1.01	100	101.8	90	110	
Zn	66	2	He	102.686	2.281	202699	0.18	100	102.7	90	110	
Al	27	2	He	102.298	2.642	93587	0.41	100	102.3	90	110	
B	11	1	No Gas	490.285	1.254	1821707	1.34	500	98.1	90	110	
Al	27	1	No Gas	104.976	1.870	2778420	1.23	100	105.0	90	110	
Si	28	1	No Gas	624.465	3.492	9558822	3.61	5000	12.5	90	110	CCV Main CR1-2 Failed
Ag	107	1	No Gas	96.861	0.098	2175446	0.45	100	96.9	90	110	
Cd	111	1	No Gas	100.866	0.823	441841	0.95	100	100.9	90	110	
Sr	88	1	No Gas	95.789	1.253	4481290	1.31	100	95.8	90	110	
Mo	95	1	No Gas	97.630	0.878	922907	0.96	100	97.6	90	110	
Sn	118	1	No Gas	95.533	0.788	1289875	0.42	100	95.5	90	110	
Sb	121	1	No Gas	101.650	1.142	1833974	0.85	100	101.6	90	110	
Ba	137	1	No Gas	99.608	1.639	718434	1.76	100	99.6	90	110	
Tl	205	1	No Gas	94.950	7.578	3168150	0.39	100	95.0	90	110	
Tl	203	1	No Gas	93.544	8.437	1354755	1.82	100	93.5	90	110	
Pb	208	1	No Gas	96.188	8.146	4715815	0.92	100	96.2	90	110	
U	238	1	No Gas	95.285	9.162	4631581	1.99	100	95.3	90	110	
Ca	43	2	He	9530.091	3.482	49573	1.84	10000	95.3	90	110	
Sb	121	2	He	97.564	5.959	1014722	4.32	100	97.6	90	110	
Ti	47	2	He	96.027	3.961	43931	1.86	100	96.0	90	110	
Cu	63	1	No Gas	99.415	1.939	1776011	1.35	100	99.4	90	110	
Se	82	1	No Gas	102.110	0.874	34573	1.11	100	102.1	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1439387	1.53	1326043	108.55	70	120	
Ge	72	2	He	1054140	2.41	1091369	96.59	70	120	
Ge	72	1	No Gas	3287223	0.60	3159633	104.04	70	120	
In	115	1	No Gas	3555909	0.37	3381547	105.16	70	120	
Bi	209	1	No Gas	3018043	7.46	2779551	108.58	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	132_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T14:58:09-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	019CALB.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
Li	7	1	No Gas	0.123	76.6	95733	1.0	0.5	
Be	9	1	No Gas	0.139	35.1	973	33.2	0.5	
V	51	2	He	0.052	54.8	6104	3.0	2.5	
Cr	52	2	He	0.091	53.3	40290	1.8	2.5	
Fe	56	2	He	4.962	18.4	107115	6.8	100	
Se	78	2	He	-0.061	-140.6	251	9.0	2	
As	75	2	He	0.032	47.5	502	3.9	2.5	
Ca	44	2	He	-13.706	-36.9	3567	12.3	100	
Na	23	2	He	-1.976	-129.1	105721	2.5	100	
Mg	24	2	He	5.262	16.9	7756	11.3	100	
K	39	2	He	8.126	58.4	225931	1.5	100	
Mn	55	2	He	0.100	29.7	3237	6.7	2.5	
Co	59	2	He	0.039	27.0	1020	14.2	2.5	
Ni	60	2	He	0.021	132.6	2384	5.0	2.5	
Cu	63	2	He	0.050	57.9	2104	10.7	2	
Zn	66	2	He	0.496	16.2	3247	4.5	2.5	
Al	27	2	He	-1.951	-5.3	2660	4.6	5	
B	11	1	No Gas	9.975	6.8	58615	4.6	0.5	CCB Main CR1 Failed
Al	27	1	No Gas	-1.988	-4.1	85106	2.0	5	
Si	28	1	No Gas	-6.845	-11.2	804944	0.9	10	
Ag	107	1	No Gas	0.149	43.0	3854	38.3	2.5	
Cd	111	1	No Gas	0.145	63.2	632	65.3	1	
Sr	88	1	No Gas	0.104	48.5	10087	24.2	2.5	
Mo	95	1	No Gas	0.254	23.1	3361	17.2	2.5	
Sn	118	1	No Gas	0.364	21.2	6835	15.9	5	
Sb	121	1	No Gas	0.233	25.3	4614	23.1	2.5	
Ba	137	1	No Gas	0.104	47.8	1824	20.3	2.5	
Tl	205	1	No Gas	0.833	35.7	29446	40.7	1	
Tl	203	1	No Gas	0.811	33.4	12384	38.7	1	
Pb	208	1	No Gas	0.144	34.4	9529	32.2	2.5	
U	238	1	No Gas	0.149	31.5	7926	35.3	2.5	
Ca	43	2	He	5.173	152.2	160	27.2	100	
Sb	121	2	He	0.105	15.8	1307	12.0	2.5	
Ti	47	2	He	0.086	46.2	50	34.6	2.5	
Cu	63	1	No Gas	0.166	46.4	6735	20.6	2.5	
Se	82	1	No Gas	-0.148	-145.1	91	80.8	2	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1450725	1.15	1326043	109.40	70	120	
Ge	72	2	He	1083000	2.17	1091369	99.23	70	120	
Ge	72	1	No Gas	3335743	0.50	3159633	105.57	70	120	
In	115	1	No Gas	3626018	0.34	3381547	107.23	70	120	
Bi	209	1	No Gas	3075625	5.91	2779551	110.65	70	120	

Sample Report

Sample Table

Sample Name	HS23060391-02SD
Data File Name	135SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T15:20:30-05:00
Sample Type	Sample
Dilution	250
Comment	TW B 195358
ISTD Ref FileName	019CALB.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
Li	7	1	No Gas	4.609	1152.281	1.42	200267	0.00	2000	
Be	9	1	No Gas	-0.008	-2.089	-4.72	12	-0.07	2000	
V	51	2	He	0.251	62.658	7.80	8366	0.00	2000	
Cr	52	2	He	-0.092	-22.953	-145.43	38538	0.00	2000	
Fe	56	2	He	0.694	173.523	39.04	63089	0.00	200000	
Se	78	2	He	0.240	60.041	70.91	317	0.08	2000	
As	75	2	He	0.007	1.673	161.31	463	0.00	2000	
Ca	44	2	He	1890.520	472629.952	3.66	170293	1.11	200000	
Na	23	2	He	7600.759	1900189.813	3.87	14571991	0.05	200000	
Mg	24	2	He	4410.597	1102649.262	4.92	5182932	0.09	200000	
K	39	2	He	114.147	28536.774	7.74	417841	0.03	200000	
Mn	55	2	He	2.972	743.075	3.08	31263	0.01	2000	
Co	59	2	He	0.012	3.024	24.67	610	0.00	2000	
Ni	60	2	He	0.985	246.221	8.61	6111	0.02	2000	
Cu	63	2	He	0.001	0.372	344.05	1677	0.00	2000	
Zn	66	2	He	1.900	475.049	11.01	6125	0.03	2000	
Al	27	2	He	3.046	761.399	8.79	7219	0.04	2000	
B	11	1	No Gas	7.369	1842.224	2.90	52198	0.01	2000	
Al	27	1	No Gas	3.445	861.334	8.28	230802	0.00	2000	
Si	28	1	No Gas	16.806	4201.487	12.53	1172425	0.00	2000	
Ag	107	1	No Gas	-0.008	-1.956	-11.48	273	0.00	2000	
Cd	111	1	No Gas	-0.011	-2.718	-46.44	-68	0.02	2000	
Sr	88	1	No Gas	48.411	12102.837	3.35	2368207	0.00	2000	
Mo	95	1	No Gas	0.068	16.935	26.42	1603	0.00	2000	
Sn	118	1	No Gas	0.010	2.575	19.29	2017	0.00	2000	
Sb	121	1	No Gas	0.013	3.278	17.33	610	0.00	2000	
Ba	137	1	No Gas	0.019	4.710	89.32	1227	0.00	2000	
Tl	205	1	No Gas	-0.010	-2.552	-10.05	277	0.00	2000	
Tl	203	1	No Gas	-0.006	-1.520	-43.09	123	0.00	2000	
Pb	208	1	No Gas	-0.012	-2.954	-33.21	1573	0.00	2000	
U	238	1	No Gas	0.097	24.305	5.27	5165	0.00	2000	
Ca	43	2	He	1856.690	464172.621	3.93	10137	18.32	200000	
Sb	121	2	He	0.013	3.215	43.36	323	0.00	2000	
Ti	47	2	He	0.034	8.617	63.50	27	0.13	2000	
Cu	63	1	No Gas	0.039	9.736	21.15	4564	0.00	2000	
Zn	66	1	No Gas	1.989	497.225	3.31	15793	0.01	2000	
Se	82	1	No Gas	0.374	93.468	10.13	278	0.13	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1546427	1.05	1326043	116.62	70	120	
Ge	72	2	He	1095257	3.82	1091369	100.36	70	120	
Ge	72	1	No Gas	3436538	1.50	3159633	108.76	70	120	
In	115	1	No Gas	3715606	2.06	3381547	109.88	70	120	

Sample Report

Bi	209	1	No Gas	3024820	5.12	2779551	108.82	70	120	

Sample Report

Sample Table

Sample Name	HS23060391-02PDS
Data File Name	136SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T15:22:25-05:00
Sample Type	Sample
Dilution	50
Comment	TW B 195358
ISTD Ref FileName	019CALB.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
Li	7	1	No Gas	24.170	1208.520	2.43	589139	0.00	2000	
Be	9	1	No Gas	94.589	4729.474	2.32	617939	0.02	2000	
V	51	2	He	95.458	4772.881	0.80	1063703	0.01	2000	
Cr	52	2	He	93.801	4690.067	1.27	1163683	0.01	2000	
Fe	56	2	He	9597.489	479874.441	2.73	102461912	0.01	200000	
Se	78	2	He	96.880	4843.990	2.93	20930	0.46	2000	
As	75	2	He	98.311	4915.528	2.01	174989	0.06	2000	
Ca	44	2	He	18202.754	910137.717	1.17	1608414	1.13	200000	
Na	23	2	He	45448.076	2272403.797	1.49	87138579	0.05	200000	
Mg	24	2	He	30208.816	1510440.815	1.24	35727464	0.08	200000	
K	39	2	He	9791.446	489572.321	2.31	17822863	0.05	200000	
Mn	55	2	He	107.260	5363.023	1.29	1053808	0.01	2000	
Co	59	2	He	99.025	4951.267	3.09	1565886	0.01	2000	
Ni	60	2	He	102.656	5132.785	2.29	399340	0.03	2000	
Cu	63	2	He	97.702	4885.094	1.74	912352	0.01	2000	
Zn	66	2	He	98.962	4948.097	0.78	204239	0.05	2000	
Al	27	2	He	90.882	4544.121	1.77	87390	0.10	2000	
B	11	1	No Gas	27.184	1359.214	3.37	122215	0.02	2000	
Al	27	1	No Gas	96.562	4828.096	0.77	2667571	0.00	2000	
Si	28	1	No Gas	114.131	5706.558	2.05	2569883	0.00	2000	
Ag	107	1	No Gas	99.083	4954.146	2.13	2220535	0.00	2000	
Cd	111	1	No Gas	103.087	5154.326	1.41	450602	0.02	2000	
Sr	88	1	No Gas	236.141	11807.061	1.93	11016106	0.00	2000	
Mo	95	1	No Gas	99.191	4959.573	1.50	935669	0.01	2000	
Sn	118	1	No Gas	0.019	0.944	90.97	2040	0.00	2000	
Sb	121	1	No Gas	99.306	4965.305	1.88	1861904	0.01	2000	
Ba	137	1	No Gas	101.220	5061.000	2.13	728451	0.01	2000	
Tl	205	1	No Gas	104.819	5240.974	6.41	3411285	0.00	2000	
Tl	203	1	No Gas	103.050	5152.480	5.73	1456336	0.01	2000	
Pb	208	1	No Gas	96.544	4827.180	6.73	4616942	0.00	2000	
U	238	1	No Gas	0.512	25.597	5.09	24702	0.00	2000	
Ca	43	2	He	18243.761	912188.031	0.43	99072	18.41	200000	
Sb	121	2	He	89.732	4486.607	0.64	975759	0.01	2000	
Ti	47	2	He	97.171	4858.528	2.92	46462	0.21	2000	
Cu	63	1	No Gas	96.956	4847.802	3.16	1799834	0.01	2000	
Zn	66	1	No Gas	101.757	5087.868	1.44	515918	0.02	2000	
Se	82	1	No Gas	104.464	5223.204	0.30	36759	0.28	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1449818	0.95	1326043	109.33	70	120	
Ge	72	2	He	1101332	1.05	1091369	100.91	70	120	
Ge	72	1	No Gas	3416725	1.97	3159633	108.14	70	120	
In	115	1	No Gas	3548537	0.71	3381547	104.94	70	120	

Sample Report

Bi	209	1	No Gas	2938885	5.26	2779551	105.73	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	141_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T15:31:54-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	019CALB.d
n	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
Li	7	1	No Gas	96.649	3.407	2078390	2.80	100	96.6	90	110	
Be	9	1	No Gas	95.058	1.252	621632	0.80	100	95.1	90	110	
V	51	2	He	94.605	3.443	1044627	2.37	100	94.6	90	110	
Cr	52	2	He	96.643	2.726	1187024	2.34	100	96.6	90	110	
Fe	56	2	He	9629.770	1.870	101892518	0.68	10000	96.3	90	110	
Se	78	2	He	95.156	2.707	20379	1.48	100	95.2	90	110	
As	75	2	He	97.704	2.373	172357	1.28	100	97.7	90	110	
Ca	44	2	He	9507.904	1.778	835022	2.35	10000	95.1	90	110	
Na	23	2	He	9809.493	1.377	18726794	0.17	10000	98.1	90	110	
Mg	24	2	He	9632.465	1.054	11292404	1.12	10000	96.3	90	110	
K	39	2	He	9391.644	2.833	16950724	1.65	10000	93.9	90	110	
Mn	55	2	He	96.439	1.249	939318	1.16	100	96.4	90	110	
Co	59	2	He	101.025	0.676	1583556	0.66	100	101.0	90	110	
Ni	60	2	He	100.863	1.433	388938	0.52	100	100.9	90	110	
Cu	63	2	He	102.844	1.630	951734	0.44	100	102.8	90	110	
Zn	66	2	He	103.161	2.319	210889	1.19	100	103.2	90	110	
Al	27	2	He	101.109	1.944	95863	1.63	100	101.1	90	110	
B	11	1	No Gas	509.443	2.708	1907502	2.20	500	101.9	90	110	
Al	27	1	No Gas	101.681	2.645	2870909	2.21	100	101.7	90	110	
Si	28	1	No Gas	596.592	2.229	9766737	0.61	5000	11.9	90	110	CCV Main CR1-2 Failed
Ag	107	1	No Gas	98.011	2.790	2266740	1.99	100	98.0	90	110	
Cd	111	1	No Gas	102.061	1.633	460394	0.86	100	102.1	90	110	
Sr	88	1	No Gas	98.379	2.795	4739178	2.03	100	98.4	90	110	
Mo	95	1	No Gas	96.883	3.592	943275	3.86	100	96.9	90	110	
Sn	118	1	No Gas	97.456	1.424	1355068	0.80	100	97.5	90	110	
Sb	121	1	No Gas	99.761	1.309	1917355	2.34	100	99.8	90	110	
Ba	137	1	No Gas	99.640	1.936	740063	1.21	100	99.6	90	110	
Tl	205	1	No Gas	96.858	5.268	3276034	1.11	100	96.9	90	110	
Tl	203	1	No Gas	94.386	7.987	1384611	2.34	100	94.4	90	110	
Pb	208	1	No Gas	97.215	7.234	4828908	1.55	100	97.2	90	110	
U	238	1	No Gas	96.058	7.389	4732781	1.71	100	96.1	90	110	
Ca	43	2	He	9404.604	2.788	50670	1.59	10000	94.0	90	110	
Sb	121	2	He	94.615	1.585	1019602	0.78	100	94.6	90	110	
Ti	47	2	He	96.481	2.141	45727	1.67	100	96.5	90	110	
Cu	63	1	No Gas	97.973	1.744	1864189	0.40	100	98.0	90	110	
Se	82	1	No Gas	100.600	0.717	36285	1.87	100	100.6	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1451163	0.50	1326043	109.44	70	120	
Ge	72	2	He	1091535	1.21	1091369	100.02	70	120	
Ge	72	1	No Gas	3501460	1.57	3159633	110.82	70	120	
In	115	1	No Gas	3662198	0.84	3381547	108.30	70	120	
Bi	209	1	No Gas	3054001	5.84	2779551	109.87	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	142_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T15:33:42-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	019CALB.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
Li	7	1	No Gas	0.216	78.4	102755	2.4	0.5	
Be	9	1	No Gas	0.179	41.9	1295	38.5	0.5	
V	51	2	He	0.062	52.8	6273	4.5	2.5	
Cr	52	2	He	0.089	32.6	40620	1.6	2.5	
Fe	56	2	He	6.457	21.8	123910	11.1	100	
Se	78	2	He	-0.040	-296.0	257	11.5	2	
As	75	2	He	0.037	112.2	516	12.6	2.5	
Ca	44	2	He	-10.729	-38.8	3857	8.7	100	
Na	23	2	He	-3.161	-78.3	104406	3.1	100	
Mg	24	2	He	7.998	21.7	11036	17.6	100	
K	39	2	He	8.361	41.8	228375	1.8	100	
Mn	55	2	He	0.120	18.4	3464	5.9	2.5	
Co	59	2	He	0.051	22.2	1227	14.6	2.5	
Ni	60	2	He	-0.064	-36.7	2080	5.8	2.5	
Cu	63	2	He	0.061	6.0	2220	3.2	2	
Zn	66	2	He	0.573	15.1	3431	3.6	2.5	
Al	27	2	He	-1.163	-84.8	3392	25.7	5	
B	11	1	No Gas	7.061	12.2	50313	5.5	0.5	CCB Main CR1 Failed
Al	27	1	No Gas	-1.881	-5.8	92795	2.7	5	
Si	28	1	No Gas	-3.211	-344.5	904305	17.9	10	
Ag	107	1	No Gas	0.213	40.6	5501	36.7	2.5	
Cd	111	1	No Gas	0.211	51.1	955	51.7	1	
Sr	88	1	No Gas	0.216	52.7	15947	34.7	2.5	
Mo	95	1	No Gas	0.341	25.2	4345	19.2	2.5	
Sn	118	1	No Gas	0.401	28.5	7589	20.9	5	
Sb	121	1	No Gas	0.320	29.6	6555	27.6	2.5	
Ba	137	1	No Gas	0.161	70.6	2317	36.7	2.5	
Tl	205	1	No Gas	0.910	39.4	32261	44.0	1	
Tl	203	1	No Gas	0.857	34.4	13128	39.4	1	
Pb	208	1	No Gas	0.206	33.9	12713	33.5	2.5	
U	238	1	No Gas	0.217	36.5	11423	40.5	2.5	
Ca	43	2	He	8.584	105.3	180	28.9	100	
Sb	121	2	He	0.142	6.3	1710	4.7	2.5	
Ti	47	2	He	0.098	52.3	57	44.4	2.5	
Cu	63	1	No Gas	0.236	38.7	8443	20.4	2.5	
Se	82	1	No Gas	-0.079	-298.7	121	70.3	2	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1526902	1.18	1326043	115.15	70	120	
Ge	72	2	He	1092372	1.72	1091369	100.09	70	120	
Ge	72	1	No Gas	3524367	0.46	3159633	111.54	70	120	
In	115	1	No Gas	3755029	0.71	3381547	111.04	70	120	
Bi	209	1	No Gas	3089360	5.42	2779551	111.15	70	120	

Calibration Blank Report

Sample Table

Sample Name	CAL BLK
Data File Name	322CALB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T21:59:28-05:00
Sample Type	CalBlk
Level	1
Dilution	1
Comment	

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Li	7	1	No Gas	91214	0.00
Be	9	1	No Gas	18	429.43
V	51	2	He	5891	0.02
Cr	52	2	He	31206	0.00
Fe	56	2	He	36225	0.01
Se	78	2	He	176	1.94
As	75	2	He	362	3.31
Ca	44	2	He	2584	0.17
Na	23	2	He	92555	0.00
Mg	24	2	He	1907	0.16
K	39	2	He	165135	0.00
Mn	55	2	He	1050	1.35
Co	59	2	He	167	28.88
Ni	60	2	He	780	1.19
Cu	63	2	He	760	1.51
Zn	66	2	He	2347	0.78
Al	27	2	He	3661	0.14
B	11	1	No Gas	49251	0.00
Al	27	1	No Gas	125808	0.00
Si	28	1	No Gas	549243	0.00
Ag	107	1	No Gas	180	19.28
Sr	88	1	No Gas	5678	0.09
Mo	95	1	No Gas	1047	0.76
Sn	118	1	No Gas	2414	0.15
Sb	121	1	No Gas	360	4.82
Ba	137	1	No Gas	1323	0.73
Tl	205	1	No Gas	387	2.53
Tl	203	1	No Gas	143	10.13
Pb	208	1	No Gas	1467	0.47
U	238	1	No Gas	103	38.99
Ca	43	2	He	153	9.82
Sb	121	2	He	153	17.19
Ti	47	2	He	27	214.81
Cu	63	1	No Gas	1717	0.30

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Li	6	1	No Gas	1347953	0.41

Calibration Blank Report

Ge	72	2	He	1047186	0.92
Ge	72	1	No Gas	3504068	1.04
In	115	1	No Gas	4101195	1.70
Bi	209	1	No Gas	3488917	1.30

Calibration Standard Report

Sample Table

Sample Name	2/10/200
Data File Name	323CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T22:01:24-05:00
Sample Type	CalStd
Level	2
Dilution	1
Comment	
ISTD Ref File Name	322CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	No Gas	10639	0.02
V	51	2	He	25288	0.00
Cr	52	2	He	54318	0.00
Fe	56	2	He	2014870	0.00
Se	78	2	He	546	1.12
As	75	2	He	3554	0.11
Ca	44	2	He	17208	0.02
Na	23	2	He	453099	0.00
Mg	24	2	He	223580	0.00
K	39	2	He	484011	0.00
Mn	55	2	He	19220	0.01
Co	59	2	He	30518	0.00
Ni	60	2	He	8073	0.07
Cu	63	2	He	19107	0.01
Zn	66	2	He	6155	0.06
Al	27	2	He	4164	0.16
B	11	1	No Gas	80703	0.00
Al	27	1	No Gas	138905	0.00
Si	28	1	No Gas	697220	0.00
Ag	107	1	No Gas	51631	0.01
Cd	111	1	No Gas	9565	0.02
Sr	88	1	No Gas	108081	0.00
Mo	95	1	No Gas	21675	0.01
Sn	118	1	No Gas	32808	0.01
Sb	121	1	No Gas	42820	0.00
Ba	137	1	No Gas	17769	0.02
Tl	205	1	No Gas	78504	0.00
Tl	203	1	No Gas	32944	0.01
Pb	208	1	No Gas	119258	0.00
U	238	1	No Gas	113665	0.00
Ca	43	2	He	1007	0.06
Sb	121	2	He	20416	0.01
Cu	63	1	No Gas	41176	0.01

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1354644	0.57	1347953	100.50	70	120	
Ge	72	2	He	1031461	1.59	1047186	98.50	70	120	
Ge	72	1	No Gas	3518810	1.67	3504068	100.42	70	120	

Calibration Standard Report

In	115	1	No Gas	4097281	1.83	4101195	99.90	70	120	
Bi	209	1	No Gas	3543894	3.66	3488917	101.58	70	120	

Calibration Standard Report

Sample Table

Sample Name	5/25/500
Data File Name	324CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T22:03:19-05:00
Sample Type	CalStd
Level	3
Dilution	1
Comment	
ISTD Ref File Name	322CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	No Gas	27534	0.00
V	51	2	He	55059	0.00
Cr	52	2	He	88062	0.00
Fe	56	2	He	4908473	0.00
Se	78	2	He	1139	0.37
As	75	2	He	8134	0.04
Ca	44	2	He	41015	0.01
Na	23	2	He	960154	0.00
Mg	24	2	He	557585	0.00
K	39	2	He	949443	0.00
Mn	55	2	He	47145	0.00
Co	59	2	He	75381	0.00
Ni	60	2	He	19377	0.02
Cu	63	2	He	46633	0.01
Zn	66	2	He	11502	0.03
Al	27	2	He	8573	0.05
B	11	1	No Gas	130634	0.00
Al	27	1	No Gas	286705	0.00
Si	28	1	No Gas	932797	0.00
Ag	107	1	No Gas	131358	0.00
Cd	111	1	No Gas	25248	0.00
Sr	88	1	No Gas	270370	0.00
Mo	95	1	No Gas	51687	0.00
Sn	118	1	No Gas	80509	0.00
Sb	121	1	No Gas	107844	0.00
Ba	137	1	No Gas	43744	0.01
Tl	205	1	No Gas	200662	0.00
Tl	203	1	No Gas	83499	0.00
Pb	208	1	No Gas	303225	0.00
U	238	1	No Gas	284507	0.00
Ca	43	2	He	2584	0.40
Sb	121	2	He	52432	0.01
Cu	63	1	No Gas	98269	0.00

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1360236	1.84	1347953	100.91	70	120	
Ge	72	2	He	1047637	1.82	1047186	100.04	70	120	
Ge	72	1	No Gas	3509815	1.19	3504068	100.16	70	120	

Calibration Standard Report

In	115	1	No Gas	4106825	0.24	4101195	100.14	70	120	
Bi	209	1	No Gas	3554046	3.81	3488917	101.87	70	120	

Calibration Standard Report

Sample Table

Sample Name	10/50/100
Data File Name	325CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T22:05:14-05:00
Sample Type	CalStd
Level	4
Dilution	1
Comment	
ISTD Ref File Name	322CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	No Gas	54450	0.00
V	51	2	He	103008	0.00
Cr	52	2	He	143574	0.00
Fe	56	2	He	9645138	0.00
Se	78	2	He	2134	0.15
As	75	2	He	15661	0.01
Ca	44	2	He	78426	0.00
Na	23	2	He	1776681	0.00
Mg	24	2	He	1035947	0.00
K	39	2	He	1685887	0.00
Mn	55	2	He	90133	0.00
Co	59	2	He	149392	0.00
Ni	60	2	He	37479	0.01
Cu	63	2	He	91222	0.00
Zn	66	2	He	21117	0.01
Al	27	2	He	11171	0.04
B	11	1	No Gas	214328	0.00
Al	27	1	No Gas	379664	0.00
Si	28	1	No Gas	1223938	0.00
Ag	107	1	No Gas	260047	0.00
Cd	111	1	No Gas	50389	0.01
Sr	88	1	No Gas	529870	0.00
Mo	95	1	No Gas	101505	0.00
Sn	118	1	No Gas	157300	0.00
Sb	121	1	No Gas	212836	0.00
Ba	137	1	No Gas	85091	0.00
Tl	205	1	No Gas	395274	0.00
Tl	203	1	No Gas	166125	0.00
Pb	208	1	No Gas	599281	0.00
U	238	1	No Gas	566819	0.00
Ca	43	2	He	4611	0.12
Sb	121	2	He	102065	0.00
Cu	63	1	No Gas	193693	0.00

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1356046	0.97	1347953	100.60	70	120	
Ge	72	2	He	1055298	2.22	1047186	100.77	70	120	
Ge	72	1	No Gas	3536168	1.82	3504068	100.92	70	120	

Calibration Standard Report

In	115	1	No Gas	4096853	2.27	4101195	99.89	70	120	
Bi	209	1	No Gas	3552677	3.41	3488917	101.83	70	120	

Calibration Standard Report

Sample Table

Sample Name	100/500/10K
Data File Name	326CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T22:07:09-05:00
Sample Type	CalStd
Level	5
Dilution	1
Comment	
ISTD Ref File Name	322CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	No Gas	535728	0.00
V	51	2	He	933090	0.00
Cr	52	2	He	1071643	0.00
Fe	56	2	He	92662299	0.00
Se	78	2	He	19415	0.01
As	75	2	He	151110	0.00
Ca	44	2	He	754908	0.00
Na	23	2	He	16112982	0.00
Mg	24	2	He	9679399	0.00
K	39	2	He	14698255	0.00
Mn	55	2	He	857600	0.00
Co	59	2	He	1436874	0.00
Ni	60	2	He	348637	0.00
Cu	63	2	He	859174	0.00
Zn	66	2	He	185701	0.00
Al	27	2	He	78068	0.00
B	11	1	No Gas	1639449	0.00
Al	27	1	No Gas	2492160	0.00
Si	28	1	No Gas	6728354	0.00
Ag	107	1	No Gas	2385774	0.00
Cd	111	1	No Gas	489474	0.00
Sr	88	1	No Gas	4828903	0.00
Mo	95	1	No Gas	966998	0.00
Sn	118	1	No Gas	1486794	0.00
Sb	121	1	No Gas	2045243	0.00
Ba	137	1	No Gas	813727	0.00
Tl	205	1	No Gas	3788254	0.00
Tl	203	1	No Gas	1601184	0.00
Pb	208	1	No Gas	5568179	0.00
U	238	1	No Gas	5463865	0.00
Ca	43	2	He	45061	0.00
Sb	121	2	He	1008612	0.00
Cu	63	1	No Gas	1752984	0.00

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1313726	1.47	1347953	97.46	70	120	
Ge	72	2	He	1023848	1.13	1047186	97.77	70	120	
Ge	72	1	No Gas	3479762	1.11	3504068	99.31	70	120	

Calibration Standard Report

In	115	1	No Gas	4020928	2.30	4101195	98.04	70	120	
Bi	209	1	No Gas	3467796	1.66	3488917	99.39	70	120	

Calibration Standard Report

Sample Table

Sample Name	200/1000/20K
Data File Name	327CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T22:08:56-05:00
Sample Type	CalStd
Level	6
Dilution	1
Comment	
ISTD Ref File Name	322CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	No Gas	989139	0.00
V	51	2	He	1840089	0.00
Cr	52	2	He	2052085	0.00
Fe	56	2	He	182115991	0.00
Se	78	2	He	37685	0.00
As	75	2	He	298877	0.00
Ca	44	2	He	1434957	0.00
Na	23	2	He	31515455	0.00
Mg	24	2	He	18937566	0.00
K	39	2	He	28778271	0.00
Mn	55	2	He	1664432	0.00
Co	59	2	He	2683987	0.00
Ni	60	2	He	674251	0.00
Cu	63	2	He	1607572	0.00
Zn	66	2	He	358035	0.00
Al	27	2	He	147030	0.00
B	11	1	No Gas	3086225	0.00
Al	27	1	No Gas	4551805	0.00
Si	28	1	No Gas	12640823	0.00
Ag	107	1	No Gas	4507980	0.00
Cd	111	1	No Gas	920275	0.00
Sr	88	1	No Gas	9328615	0.00
Mo	95	1	No Gas	1882345	0.00
Sn	118	1	No Gas	2824392	0.00
Sb	121	1	No Gas	3841968	0.00
Ba	137	1	No Gas	1558623	0.00
Tl	205	1	No Gas	7209770	0.00
Tl	203	1	No Gas	3101445	0.00
Pb	208	1	No Gas	10635069	0.00
U	238	1	No Gas	10618581	0.00
Ca	43	2	He	88440	0.00
Sb	121	2	He	2003433	0.00
Cu	63	1	No Gas	3316055	0.00

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1280788	1.17	1347953	95.02	70	120	
Ge	72	2	He	988065	1.19	1047186	94.35	70	120	
Ge	72	1	No Gas	3385347	1.34	3504068	96.61	70	120	

Calibration Standard Report

In	115	1	No Gas	3910312	2.25	4101195	95.35	70	120	
Bi	209	1	No Gas	3338622	2.47	3488917	95.69	70	120	

Initial Calibration Verification (ICV) Report

Sample Table

Sample Name	ICCV
Data File Name	329_ICV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T22:12:38-05:00
Sample Type	ICV
Dilution	1
Comment	
ISTD Ref File Name	322CALB.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
Li	7	1	No Gas	103.966	1.076	1868229	0.43	100	104.0	90	110	
Be	9	1	No Gas	104.293	1.181	540846	0.51	100	104.3	90	110	
V	51	2	He	97.347	0.843	953267	1.00	100	97.3	90	110	
Cr	52	2	He	98.693	1.763	1094235	1.48	100	98.7	90	110	
Fe	56	2	He	9998.957	0.887	96730612	0.65	10000	100.0	90	110	
Se	78	2	He	96.649	0.572	19465	0.84	100	96.6	90	110	
As	75	2	He	101.073	0.419	160389	0.24	100	101.1	90	110	
Ca	44	2	He	10207.196	0.641	784184	0.18	10000	102.1	90	110	
Na	23	2	He	9965.201	1.989	16733879	1.61	10000	99.7	90	110	
Mg	24	2	He	10124.945	0.955	10195335	0.84	10000	101.2	90	110	
K	39	2	He	9957.096	1.267	15297389	0.78	10000	99.6	90	110	
Mn	55	2	He	98.870	1.039	876662	0.57	100	98.9	90	110	
Co	59	2	He	102.062	0.579	1470277	0.18	100	102.1	90	110	
Ni	60	2	He	99.739	1.376	358667	1.07	100	99.7	90	110	
Cu	63	2	He	101.726	0.632	877615	0.41	100	101.7	90	110	
Zn	66	2	He	99.148	0.764	190228	0.33	100	99.1	90	110	
Al	27	2	He	97.934	1.961	78652	1.38	100	97.9	90	110	
B	11	1	No Gas	506.585	1.120	1651573	0.97	500	101.3	90	110	
Al	27	1	No Gas	102.392	1.192	2485516	0.78	100	102.4	90	110	
Si	28	1	No Gas	535.045	1.071	7228013	0.77	500	107.0	90	110	
Ag	107	1	No Gas	103.232	1.202	2399025	0.47	100	103.2	90	110	
Cd	111	1	No Gas	103.618	2.026	492087	0.38	100	103.6	90	110	
Sr	88	1	No Gas	104.716	2.513	5014206	0.87	100	104.7	90	110	
Mo	95	1	No Gas	98.980	3.148	954699	2.03	100	99.0	90	110	
Sn	118	1	No Gas	103.785	3.113	1509618	1.69	100	103.8	90	110	
Sb	121	1	No Gas	102.634	0.494	2049641	0.13	100	102.6	90	110	
Ba	137	1	No Gas	103.063	2.209	825949	1.01	100	103.1	90	110	
Tl	205	1	No Gas	103.849	5.952	3806488	2.21	100	103.8	90	110	
Tl	203	1	No Gas	105.300	4.916	1654534	0.54	100	105.3	90	110	
Pb	208	1	No Gas	101.872	4.485	5505857	1.16	100	101.9	90	110	
U	238	1	No Gas	103.240	5.078	5549946	1.59	100	103.2	90	110	
Ca	43	2	He	9885.404	3.284	46505	2.80	10000	98.9	90	110	
Sb	121	2	He	97.306	2.845	1033226	2.66	100	97.3	90	110	
Ti	47	2	He	101.738	1.329	42516	0.82	100	101.7	90	110	
Cu	63	1	No Gas	103.195	0.849	1777168	1.18	100	103.2	90	110	
Se	82	1	No Gas	100.804	2.310	37097	2.62	100	100.8	90	110	

QC ISTD Table

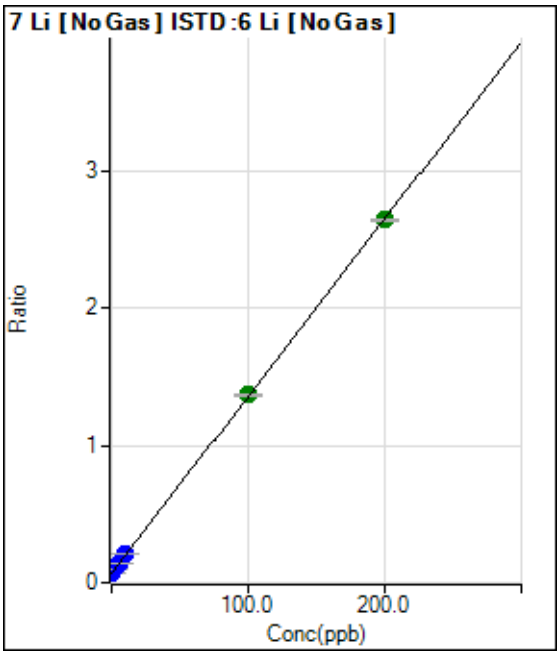
Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1327938	0.71	1347953	98.52	70	120	
Ge	72	2	He	1053289	0.51	1047186	100.58	70	120	
Ge	72	1	No Gas	3493729	0.36	3504068	99.70	70	120	
In	115	1	No Gas	4006630	1.66	4101195	97.69	70	120	
Bi	209	1	No Gas	3389493	4.50	3488917	97.15	70	120	

Calibration for 329_ICV.d

Batch Folder: C:\Agilent\ICPMH\1\DATA\062023A.b\
Analysis File: 062023A.batch.bin
DA Date-Time: 6/20/2023 10:13:19 PM
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	322CALB.d	CAL BLK	6/20/2023 9:59:28 PM
2	323CALS.d	2/10/200	6/20/2023 10:01:24 PM
3	324CALS.d	5/25/500	6/20/2023 10:03:19 PM
4	325CALS.d	10/50/100	6/20/2023 10:05:14 PM
5	326CALS.d	100/500/10K	6/20/2023 10:07:09 PM
6	327CALS.d	200/1000/20K	6/20/2023 10:08:56 PM

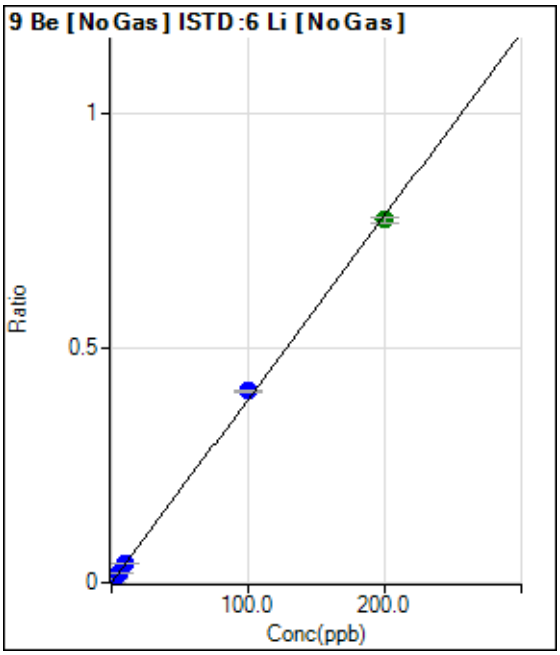
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	91214.36	0.0677	P	1.7
2	☐	2.000	2.154	129264.73	0.0954	P	0.4
3	☐	5.000	5.465	187757.94	0.1381	P	2.3
4	☐	10.000	10.900	282170.80	0.2081	P	0.1
5	☐	100.000	100.645	1791909.66	1.3642	A	1.2
6	☐	200.000	199.619	3379912.87	2.6391	A	0.9

y = 0.0129 * x + 0.0677
R = 1.0000
DL = 0.2709
BEC = 5.253

Weight: <None>
Min Conc: <None>

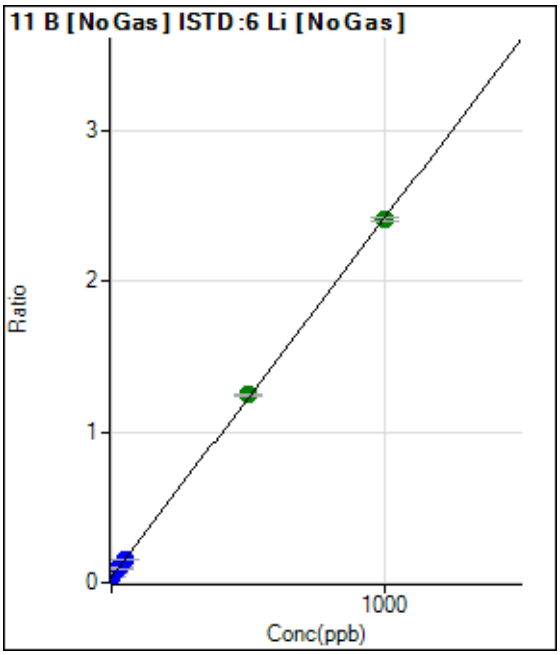


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	18.33	0.0000	P	78.8
2	☐	2.000	2.008	10639.11	0.0079	P	1.6
3	☐	5.000	5.181	27533.61	0.0202	P	2.4
4	☐	10.000	10.278	54449.91	0.0402	P	1.6
5	☐	100.000	104.424	535728.22	0.4078	P	0.7
6	☐	200.000	197.769	989138.52	0.7724	A	1.4

y = 0.0039 * x + 1.3603E-005
R = 0.9997
DL = 0.008229
BEC = 0.003483

Weight: <None>
Min Conc: <None>

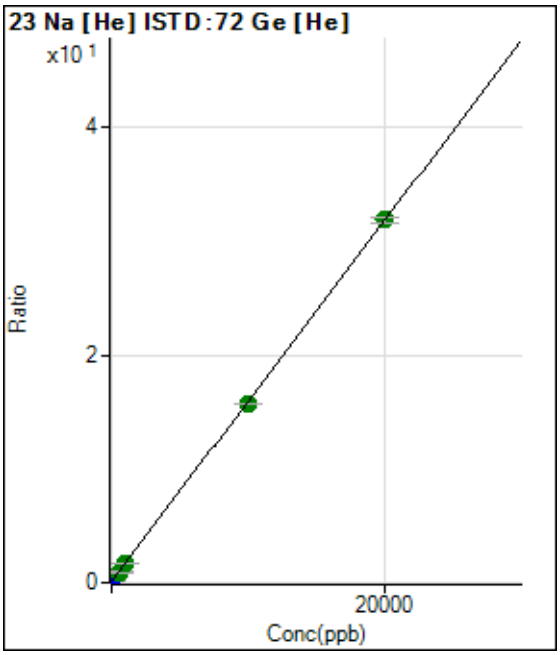
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	49250.85	0.0365	P	1.0
2	☐	10.000	9.668	80703.28	0.0596	P	1.2
3	☐	25.000	24.980	130634.10	0.0961	P	2.6
4	☐	50.000	50.996	214327.70	0.1581	P	1.1
5	☐	500.000	508.369	1639448.88	1.2480	A	1.1
6	☐	1000.000	995.770	3086224.95	2.4095	A	1.1

y = 0.0024 * x + 0.0365
R = 0.9999
DL = 0.4599
BEC = 15.33

Weight: <None>
Min Conc: <None>

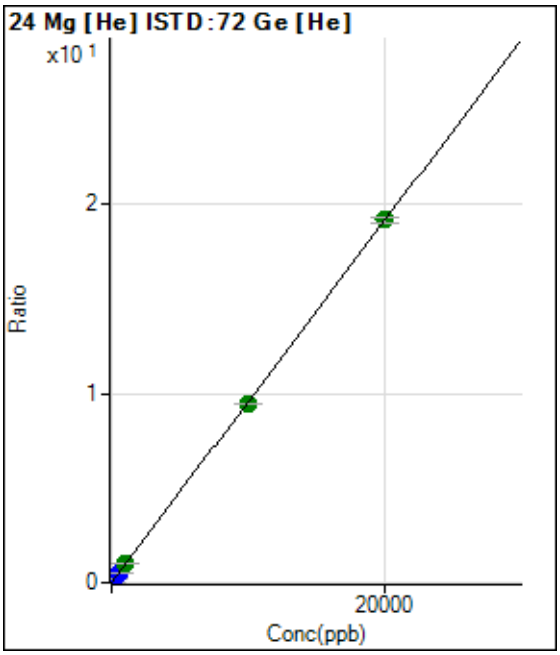


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	92555.10	0.0884	P	1.1
2	☐	200.000	221.387	453099.17	0.4394	P	2.5
3	☐	500.000	522.531	960153.81	0.9169	A	3.2
4	☐	1000.000	1006.745	1776680.65	1.6846	A	4.4
5	☐	10000.00	9870.279	16112981.84	15.7376	A	0.5
6	☐	20000.00	20063.74	31515454.53	31.8992	A	1.3

y = 0.0016 * x + 0.0884
R = 1.0000
DL = 1.778
BEC = 55.75

Weight: <None>
Min Conc: <None>

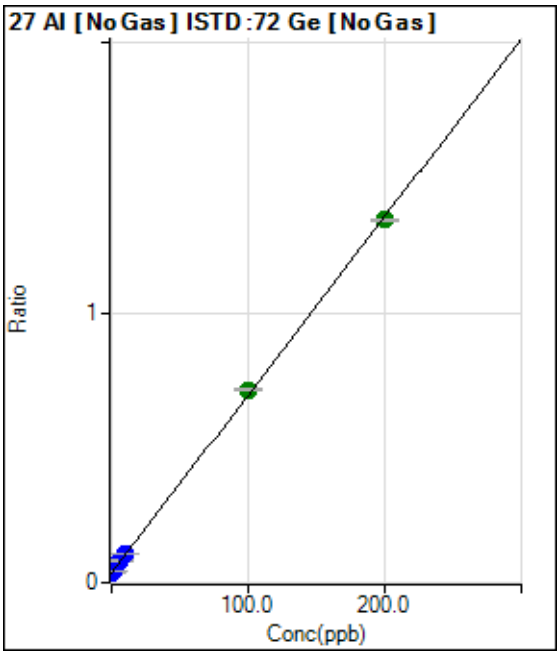
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1906.83	0.0018	P	3.0
2	☐	200.000	224.914	223579.98	0.2168	P	1.9
3	☐	500.000	554.989	557585.37	0.5323	P	1.4
4	☐	1000.000	1025.508	1035947.43	0.9820	A	3.2
5	☐	10000.00	9888.414	9679399.23	9.4536	A	0.8
6	☐	20000.00	20052.89	18937565.55	19.1692	A	1.9

y = 9.5584E-004 * x + 0.0018
R = 1.0000
DL = 0.1737
BEC = 1.905

Weight: <None>
Min Conc: <None>

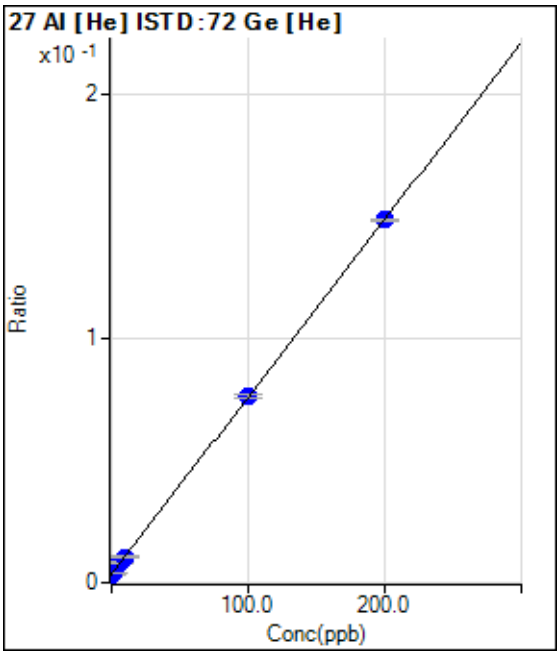


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	125808.32	0.0359	P	1.4
2	☐	2.000	0.542	138905.30	0.0395	P	0.5
3	☐	5.000	6.941	286705.24	0.0817	P	0.9
4	☐	10.000	10.832	379663.68	0.1074	P	0.3
5	☐	100.000	103.119	2492159.80	0.7162	A	1.1
6	☐	200.000	198.365	4551804.72	1.3446	A	0.6

y = 0.0066 * x + 0.0359
R = 0.9997
DL = 0.2221
BEC = 5.442

Weight: <None>
Min Conc: <None>

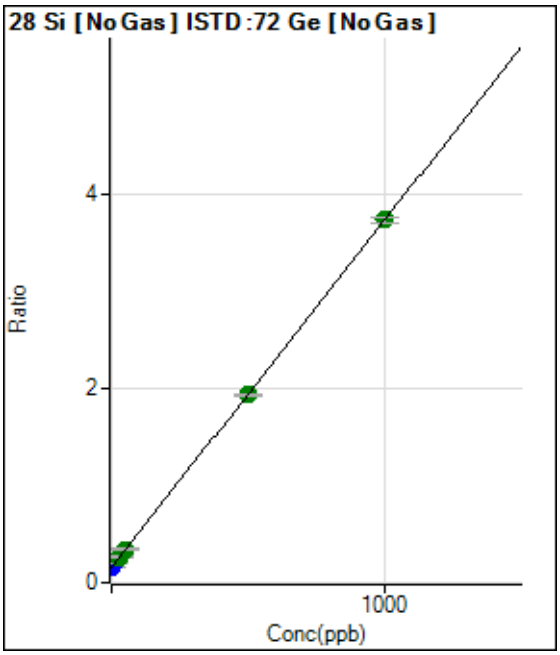
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3660.53	0.0035	P	4.4
2	☐	2.000	0.748	4164.06	0.0040	P	7.2
3	☐	5.000	6.457	8572.79	0.0082	P	5.5
4	☐	10.000	9.754	11171.34	0.0106	P	2.5
5	☐	100.000	100.109	78068.23	0.0763	P	1.9
6	☐	200.000	199.934	147029.91	0.1488	P	0.8

y = 7.2684E-004 * x + 0.0035
R = 0.9999
DL = 0.6414
BEC = 4.808

Weight: <None>
Min Conc: <None>

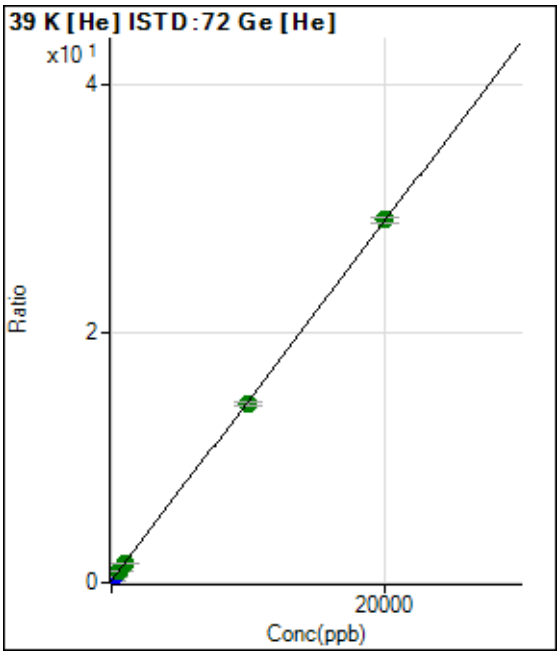


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	549243.20	0.1568	P	0.8
2	☐	10.000	11.589	697220.22	0.1982	P	1.3
3	☐	25.000	30.510	932797.09	0.2658	A	2.5
4	☐	50.000	53.011	1223938.37	0.3462	A	2.0
5	☐	500.000	497.226	6728354.07	1.9337	A	1.5
6	☐	1000.000	1001.083	12640822.73	3.7344	A	1.5

y = 0.0036 * x + 0.1568
R = 1.0000
DL = 1.06
BEC = 43.86

Weight: <None>
Min Conc: <None>

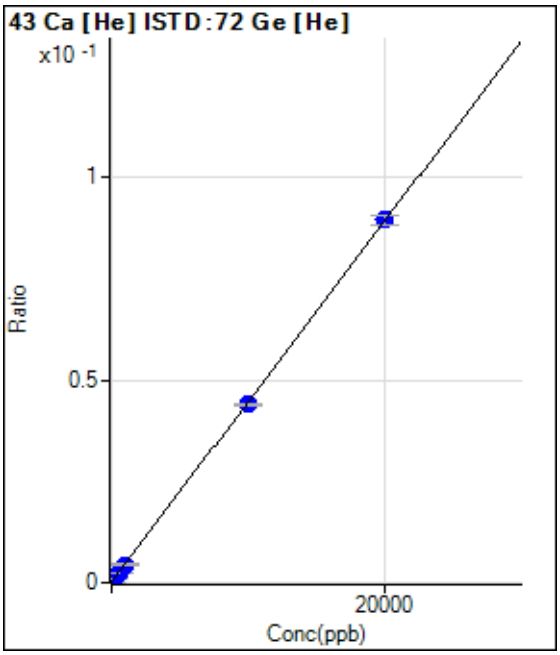
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	165135.25	0.1577	P	0.8
2	☐	200.000	216.005	484011.15	0.4694	P	2.3
3	☐	500.000	519.021	949442.51	0.9066	A	3.3
4	☐	1000.000	998.272	1685886.69	1.5980	A	2.1
5	☐	10000.00	9840.384	14698254.78	14.3557	A	1.9
6	☐	20000.00	20079.25	28778271.24	29.1286	A	1.3

y = 0.0014 * x + 0.1577
R = 1.0000
DL = 2.487
BEC = 109.3

Weight: <None>
Min Conc: <None>

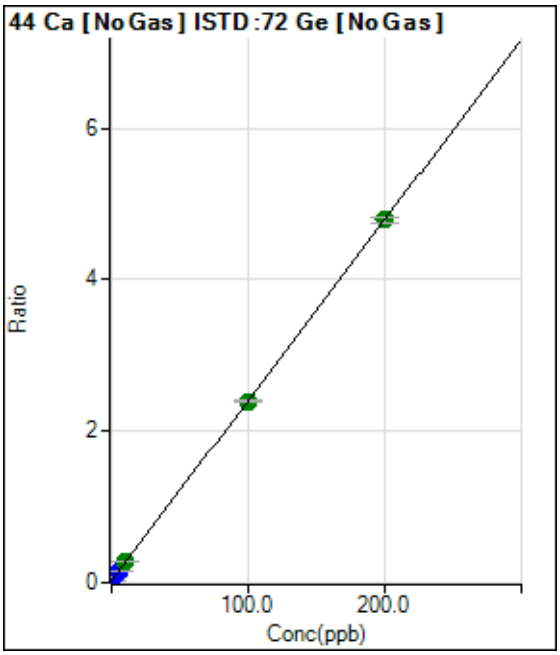


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	153.33	0.0001	P	14.2
2	☐	200.000	186.391	1006.72	0.0010	P	1.4
3	☐	500.000	520.956	2583.63	0.0025	P	9.8
4	☐	1000.000	949.381	4610.86	0.0044	P	7.3
5	☐	10000.00	9852.711	45060.65	0.0440	P	0.6
6	☐	20000.00	20075.78	88439.67	0.0895	P	2.5

y = 4.4521E-006 * x + 1.4631E-004
R = 1.0000
DL = 14
BEC = 32.86

Weight: <None>
Min Conc: <None>

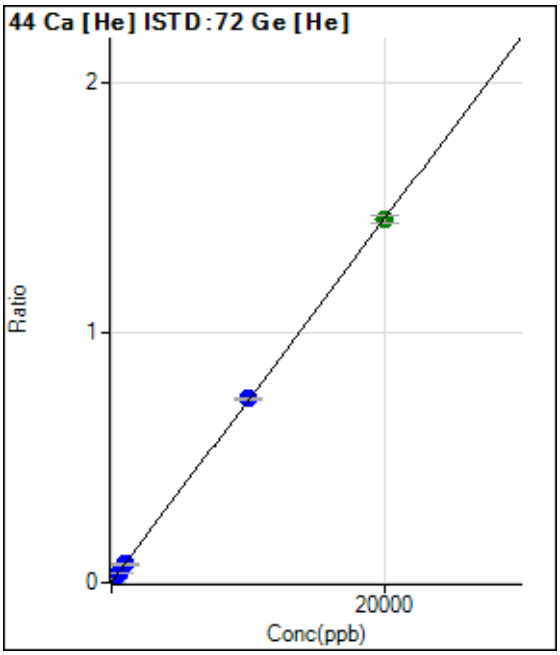
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	90922.58	0.0260	P	1.5
2	☐	2.000	2.102	267381.32	0.0760	P	1.5
3	☐	5.000	5.615	560254.33	0.1596	P	1.5
4	☐	10.000	10.439	970369.39	0.2745	A	2.5
5	☐	100.000	99.579	8338898.21	2.3966	A	1.3
6	☐	200.000	200.172	16218933.51	4.7913	A	1.3

y = 0.0238 * x + 0.0260
R = 1.0000
DL = 0.04982
BEC = 1.09

Weight: <None>
Min Conc: <None>

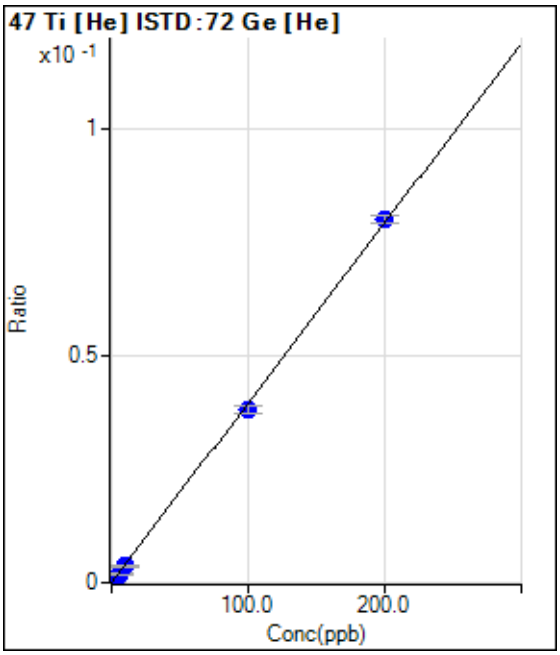


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2583.62	0.0025	P	3.4
2	☐	200.000	195.503	17207.66	0.0167	P	1.8
3	☐	500.000	504.585	41014.86	0.0391	P	1.1
4	☐	1000.000	988.842	78426.12	0.0744	P	3.6
5	☐	10000.00	10108.95	754908.24	0.7374	P	1.5
6	☐	20000.00	19946.00	1434956.90	1.4525	A	2.2

y = 7.2700E-005 * x + 0.0025
R = 1.0000
DL = 3.504
BEC = 33.93

Weight: <None>
Min Conc: <None>

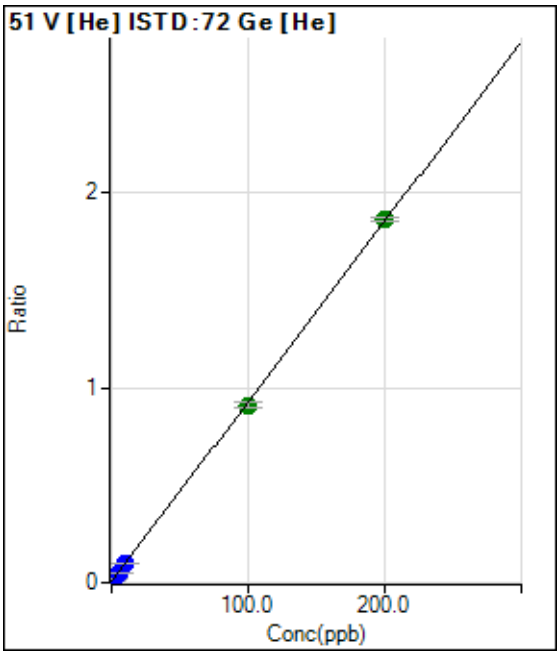
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	26.67	0.0000	P	57.1
2	☐	2.000	2.014	850.04	0.0008	P	2.7
3	☐	5.000	4.724	1986.85	0.0019	P	13.6
4	☐	10.000	9.391	3950.64	0.0037	P	10.3
5	☐	100.000	96.452	39176.27	0.0383	P	4.1
6	☐	200.000	201.811	79080.06	0.0800	P	2.1

y = 3.9652E-004 * x + 2.5409E-005
R = 0.9998
DL = 0.1098
BEC = 0.06408

Weight: <None>
Min Conc: <None>

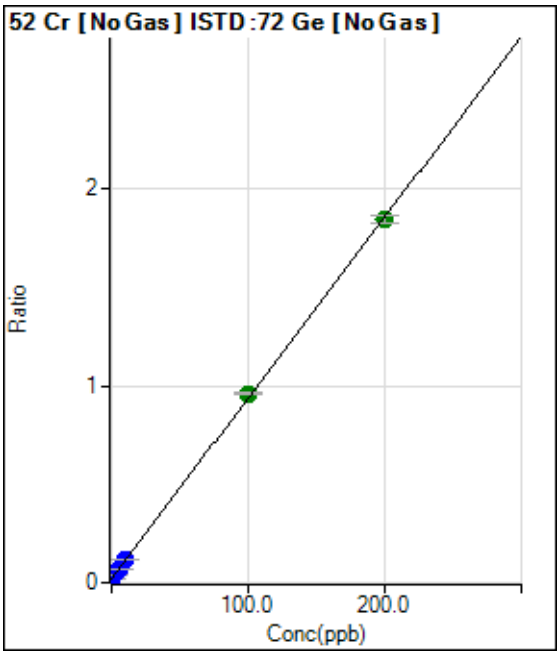


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5891.30	0.0056	P	0.4
2	☐	2.000	2.045	25287.74	0.0245	P	1.5
3	☐	5.000	5.080	55058.83	0.0526	P	1.5
4	☐	10.000	9.959	103008.06	0.0976	P	2.0
5	☐	100.000	98.051	933089.82	0.9115	A	2.9
6	☐	200.000	200.974	1840089.30	1.8625	A	1.1

y = 0.0092 * x + 0.0056
R = 0.9999
DL = 0.00747
BEC = 0.6089

Weight: <None>
Min Conc: <None>

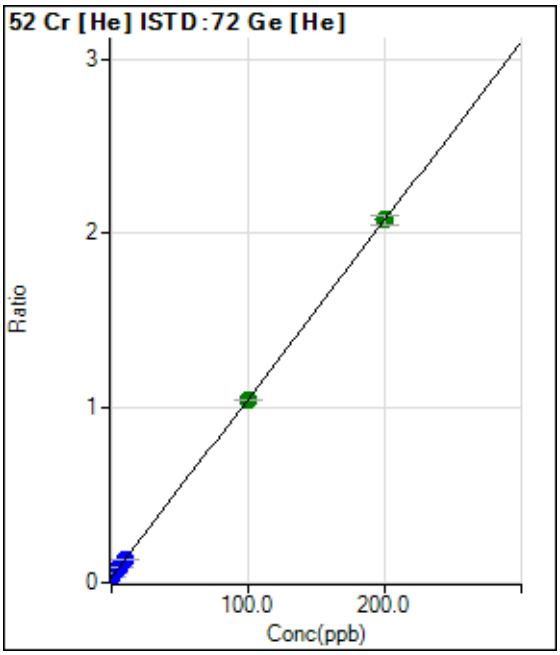
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	70226.37	0.0200	P	1.7
2	☐	2.000	2.278	144061.36	0.0409	P	0.3
3	☐	5.000	5.541	248774.77	0.0709	P	0.6
4	☐	10.000	11.001	427786.19	0.1210	P	1.1
5	☐	100.000	102.606	3345833.59	0.9616	A	1.5
6	☐	200.000	198.631	6237629.70	1.8428	A	2.2

y = 0.0092 * x + 0.0200
R = 0.9999
DL = 0.1085
BEC = 2.184

Weight: <None>
Min Conc: <None>

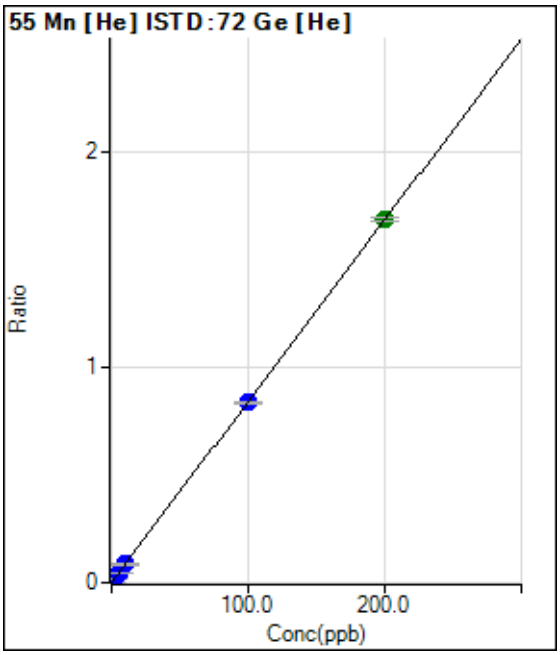


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	31206.08	0.0298	P	1.3
2	☐	2.000	2.237	54317.81	0.0527	P	1.9
3	☐	5.000	5.307	88062.05	0.0841	P	2.1
4	☐	10.000	10.395	143573.51	0.1361	P	1.7
5	☐	100.000	99.459	1071642.95	1.0467	A	0.8
6	☐	200.000	200.241	2052084.87	2.0772	A	2.4

y = 0.0102 * x + 0.0298
R = 1.0000
DL = 0.1159
BEC = 2.915

Weight: <None>
Min Conc: <None>

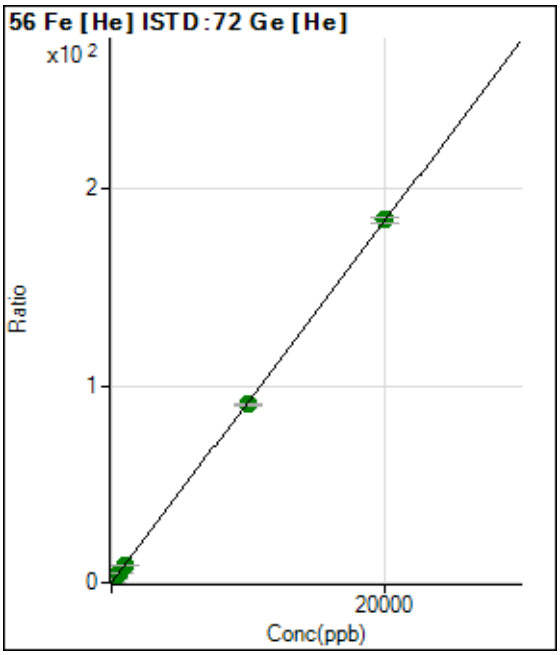
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1050.06	0.0010	P	14.1
2	☐	2.000	2.098	19220.44	0.0186	P	3.3
3	☐	5.000	5.233	47144.88	0.0450	P	1.0
4	☐	10.000	10.044	90132.54	0.0855	P	3.6
5	☐	100.000	99.504	857599.88	0.8377	P	1.3
6	☐	200.000	200.239	1664432.37	1.6847	A	1.2

y = 0.0084 * x + 0.0010
R = 1.0000
DL = 0.05058
BEC = 0.1192

Weight: <None>
Min Conc: <None>

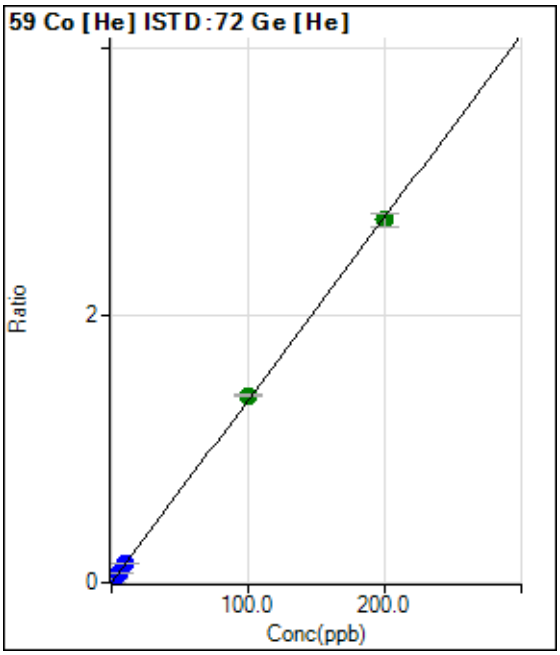


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	36225.02	0.0346	P	3.1
2	☐	200.000	209.035	2014870.44	1.9538	A	2.0
3	☐	500.000	506.620	4908473.05	4.6861	A	1.4
4	☐	1000.000	991.929	9645138.19	9.1419	A	1.7
5	☐	10000.00	9853.898	92662298.62	90.5068	A	1.1
6	☐	20000.00	20073.19	182115990.6	184.334	A	1.4

y = 0.0092 * x + 0.0346
R = 1.0000
DL = 0.3553
BEC = 3.768

Weight: <None>
Min Conc: <None>

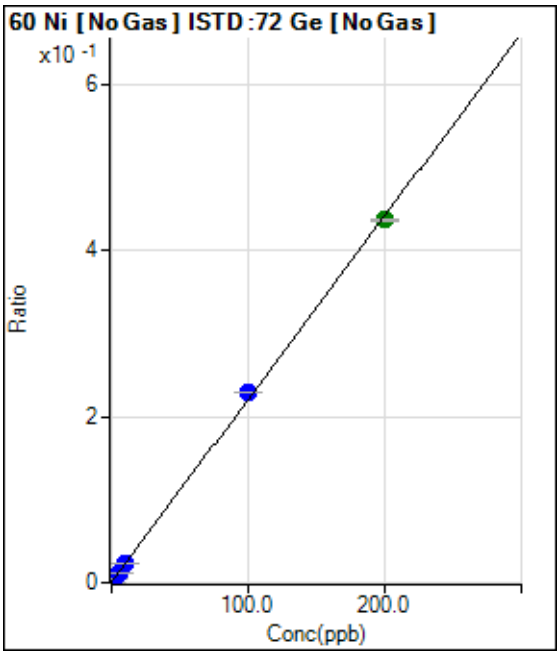
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	166.67	0.0002	P	47.5
2	☐	2.000	2.152	30517.87	0.0296	P	1.2
3	☐	5.000	5.250	75381.18	0.0720	P	1.0
4	☐	10.000	10.345	149391.56	0.1416	P	3.0
5	☐	100.000	102.598	1436873.73	1.4032	A	1.8
6	☐	200.000	198.676	2683986.63	2.7172	A	3.5

y = 0.0137 * x + 1.5890E-004
R = 0.9999
DL = 0.01654
BEC = 0.01162

Weight: <None>
Min Conc: <None>

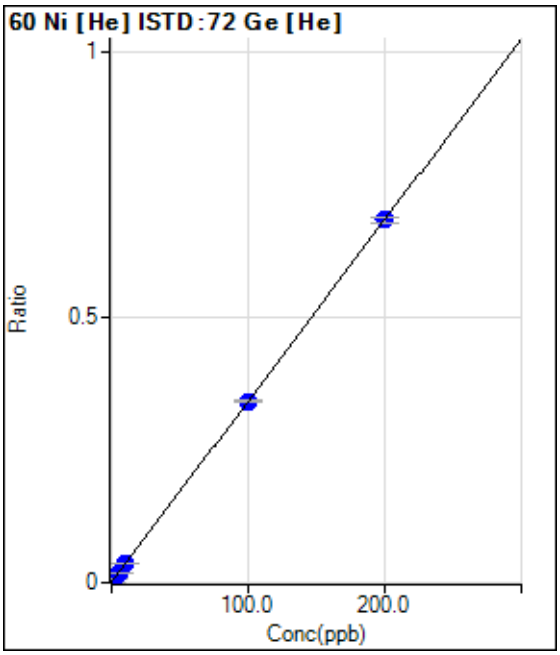


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1720.15	0.0005	P	1.2
2	☐	2.000	2.285	19454.13	0.0055	P	2.0
3	☐	5.000	5.415	43643.56	0.0124	P	0.7
4	☐	10.000	10.625	84598.35	0.0239	P	0.8
5	☐	100.000	103.832	798497.12	0.2295	P	0.9
6	☐	200.000	198.039	1480243.47	0.4372	A	0.3

y = 0.0022 * x + 4.9093E-004
R = 0.9997
DL = 0.00819
BEC = 0.2226

Weight: <None>
Min Conc: <None>

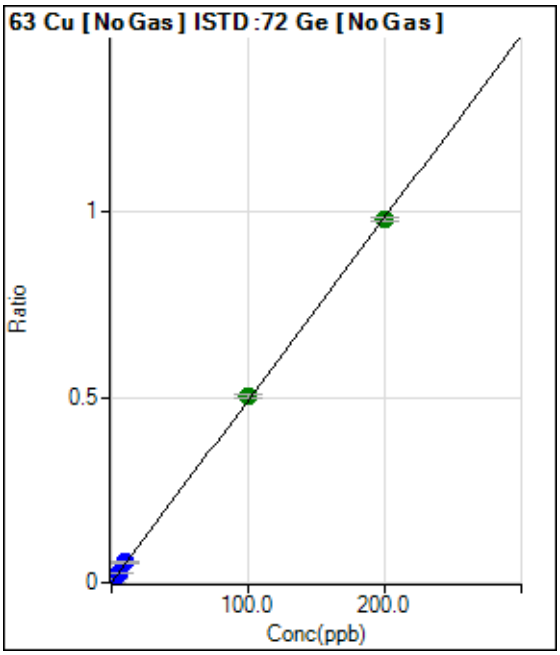
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	780.04	0.0007	P	8.6
2	☐	2.000	2.078	8072.52	0.0078	P	4.1
3	☐	5.000	5.210	19377.39	0.0185	P	1.7
4	☐	10.000	10.213	37478.58	0.0355	P	4.5
5	☐	100.000	99.739	348636.95	0.3405	P	1.1
6	☐	200.000	200.114	674251.32	0.6825	P	1.6

y = 0.0034 * x + 7.4463E-004
R = 1.0000
DL = 0.05623
BEC = 0.2186

Weight: <None>
Min Conc: <None>

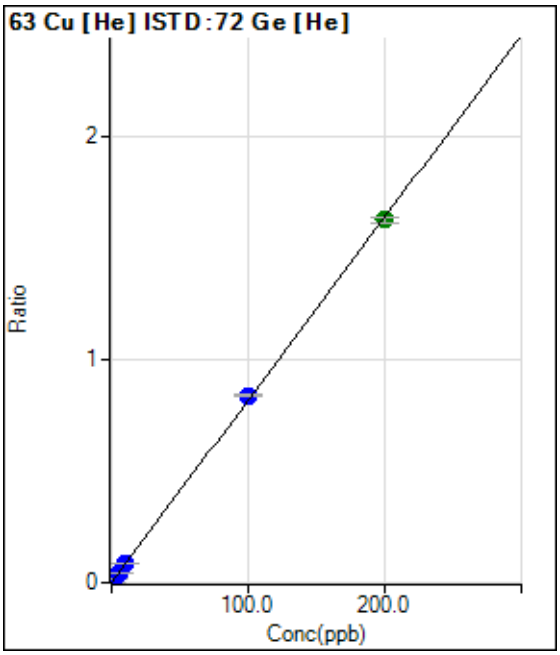


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1716.81	0.0005	P	5.1
2	☐	2.000	2.277	41175.93	0.0117	P	0.7
3	☐	5.000	5.587	98269.47	0.0280	P	2.3
4	☐	10.000	11.025	193693.12	0.0548	P	1.0
5	☐	100.000	102.216	1752983.67	0.5038	A	2.1
6	☐	200.000	198.823	3316055.47	0.9796	A	0.9

y = 0.0049 * x + 4.8994E-004
R = 0.9999
DL = 0.01514
BEC = 0.09949

Weight: <None>
Min Conc: <None>

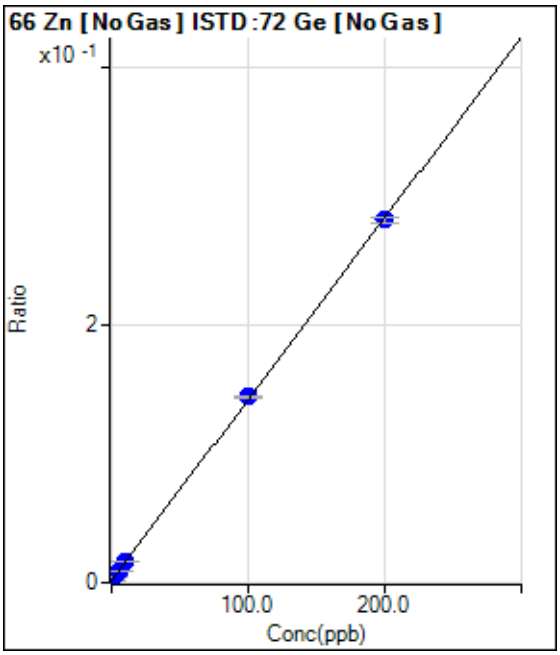
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	760.04	0.0007	P	12.4
2	☐	2.000	2.175	19107.10	0.0185	P	1.4
3	☐	5.000	5.351	46633.37	0.0445	P	2.5
4	☐	10.000	10.477	91221.55	0.0865	P	2.7
5	☐	100.000	102.458	859174.15	0.8392	P	1.0
6	☐	200.000	198.737	1607572.01	1.6271	A	1.6

y = 0.0082 * x + 7.2630E-004
R = 0.9999
DL = 0.03288
BEC = 0.08875

Weight: <None>
Min Conc: <None>

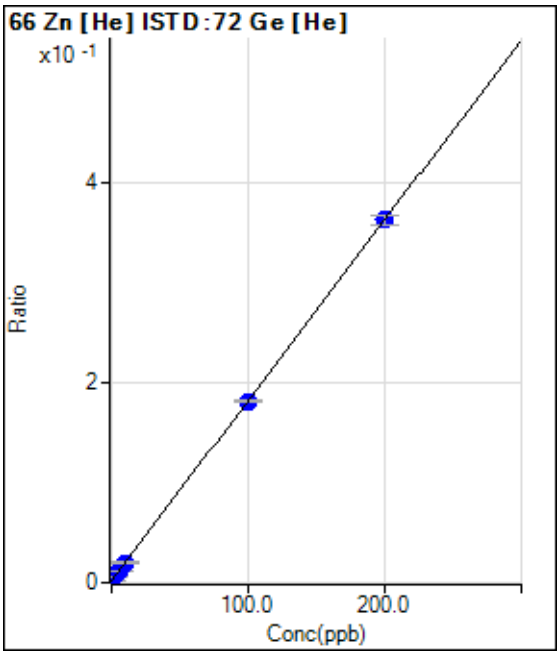


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5784.70	0.0017	P	2.4
2	☐	2.000	2.205	16703.78	0.0047	P	3.5
3	☐	5.000	5.373	32268.83	0.0092	P	1.9
4	☐	10.000	10.465	57789.59	0.0163	P	1.3
5	☐	100.000	101.673	502463.82	0.1444	P	1.3
6	☐	200.000	199.129	952012.04	0.2812	P	1.3

y = 0.0014 * x + 0.0017
R = 1.0000
DL = 0.08331
BEC = 1.176

Weight: <None>
Min Conc: <None>

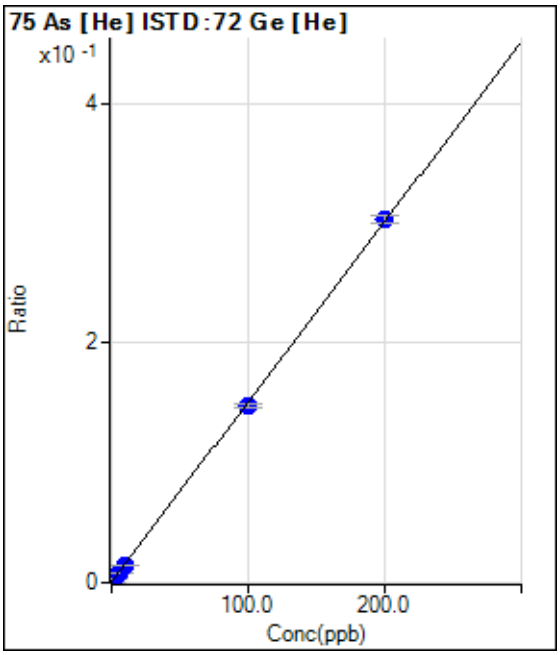
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2346.92	0.0022	P	18.1
2	☐	2.000	2.073	6154.84	0.0060	P	5.1
3	☐	5.000	4.856	11501.71	0.0110	P	1.5
4	☐	10.000	9.880	21116.69	0.0200	P	2.3
5	☐	100.000	99.585	185701.46	0.1814	P	1.5
6	☐	200.000	200.216	358035.20	0.3624	P	2.7

y = 0.0018 * x + 0.0022
R = 1.0000
DL = 0.6776
BEC = 1.245

Weight: <None>
Min Conc: <None>

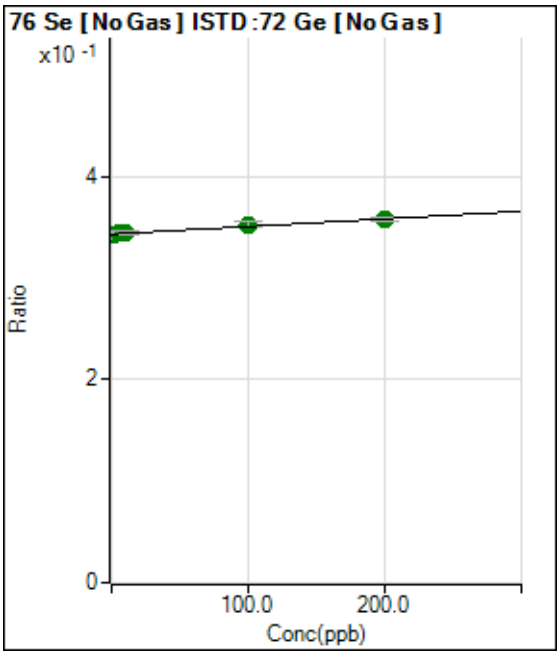


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	362.23	0.0003	P	12.5
2	☐	2.000	2.061	3553.82	0.0034	P	2.5
3	☐	5.000	4.937	8133.59	0.0078	P	4.6
4	☐	10.000	9.649	15661.35	0.0148	P	4.1
5	☐	100.000	97.962	151109.57	0.1476	P	1.2
6	☐	200.000	201.038	298877.43	0.3025	P	2.2

y = 0.0015 * x + 3.4606E-004
R = 0.9999
DL = 0.08658
BEC = 0.2302

Weight: <None>
Min Conc: <None>

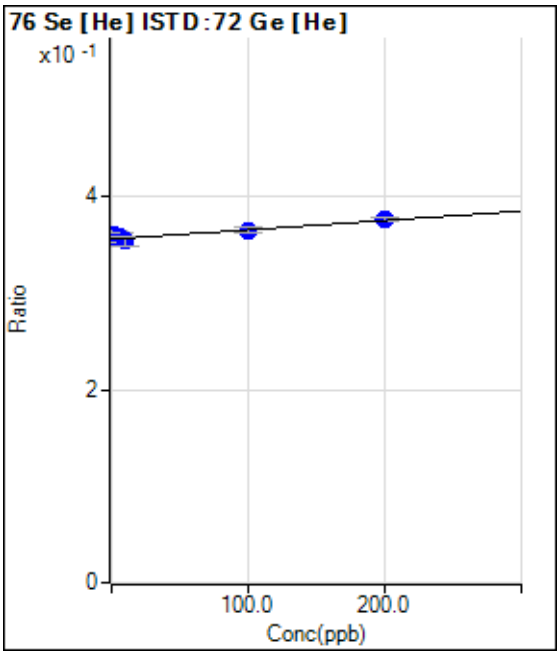
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1203272.79	0.3434	A	1.8
2	☐	2.000	-7.514	1206521.05	0.3429	A	1.8
3	☐	5.000	8.355	1207511.47	0.3441	A	0.9
4	☐	10.000	20.442	1219730.01	0.3450	A	1.0
5	☐	100.000	128.068	1228593.86	0.3531	A	1.6
6	☐	200.000	185.455	1209802.79	0.3574	A	1.1

y = 7.5181E-005 * x + 0.3434
R = 0.9825
DL = 252.7
BEC = 4568

Weight: <None>
Min Conc: <None>

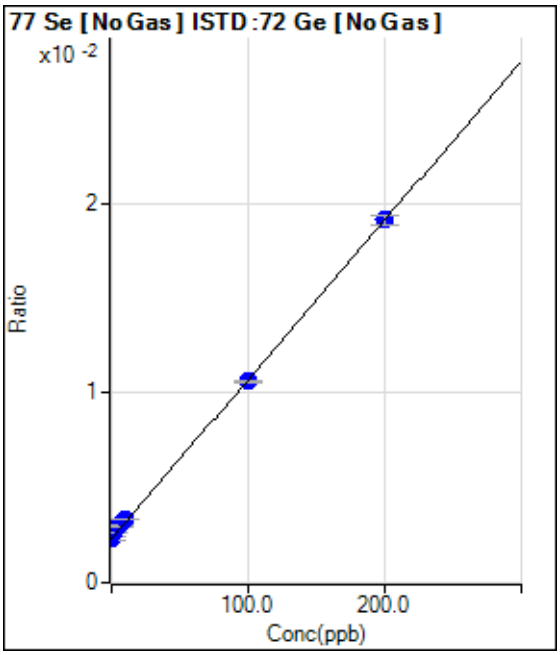


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	372852.99	0.3561	P	1.9
2	☐	2.000	44.300	371649.23	0.3604	P	2.0
3	☐	5.000	19.301	374905.07	0.3580	P	2.4
4	☐	10.000	-22.571	373332.78	0.3539	P	2.5
5	☐	100.000	90.883	373572.32	0.3649	P	1.7
6	☐	200.000	205.406	371501.86	0.3760	P	1.1

y = 9.7034E-005 * x + 0.3561
R = 0.9543
DL = 204.5
BEC = 3670

Weight: <None>
Min Conc: <None>

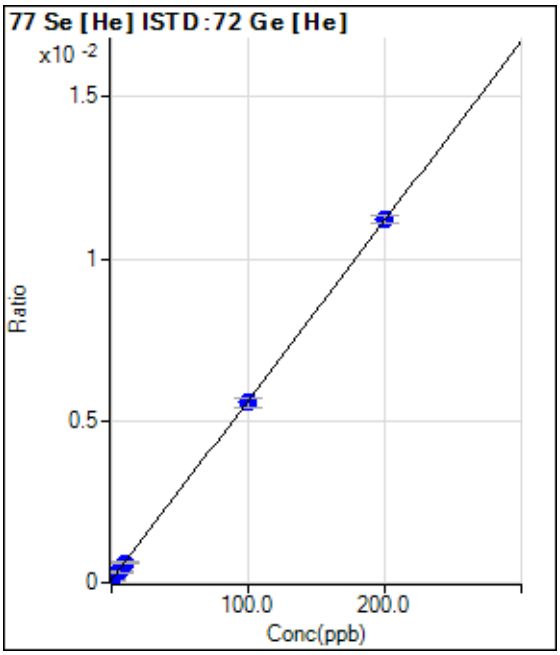
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8145.95	0.0023	P	7.1
2	☐	2.000	3.728	9280.03	0.0026	P	3.3
3	☐	5.000	8.122	10550.94	0.0030	P	3.4
4	☐	10.000	12.606	11962.18	0.0034	P	0.5
5	☐	100.000	99.044	37044.60	0.0106	P	1.0
6	☐	200.000	200.252	64818.84	0.0192	P	2.5

y = 8.4031E-005 * x + 0.0023
R = 0.9999
DL = 5.892
BEC = 27.65

Weight: <None>
Min Conc: <None>

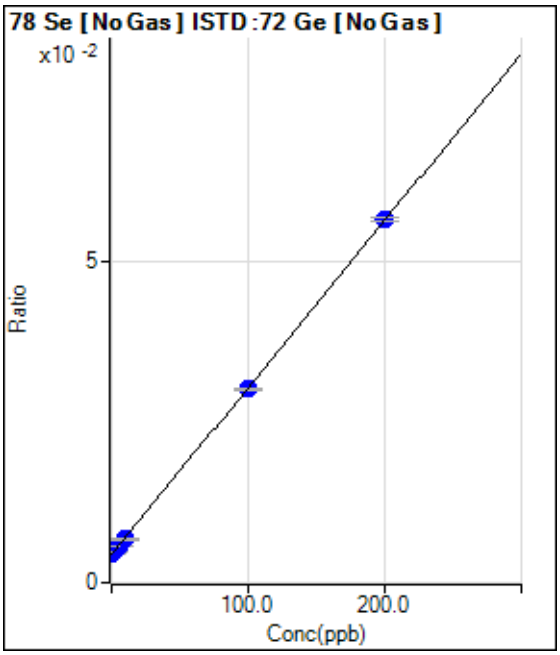


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	80.00	0.0001	P	37.3
2	☐	2.000	2.818	240.01	0.0002	P	4.5
3	☐	5.000	4.770	356.68	0.0003	P	17.2
4	☐	10.000	9.730	650.03	0.0006	P	9.1
5	☐	100.000	99.134	5711.33	0.0056	P	5.3
6	☐	200.000	200.444	11071.35	0.0112	P	2.3

y = 5.5511E-005 * x + 7.6314E-005
R = 1.0000
DL = 1.537
BEC = 1.375

Weight: <None>
Min Conc: <None>

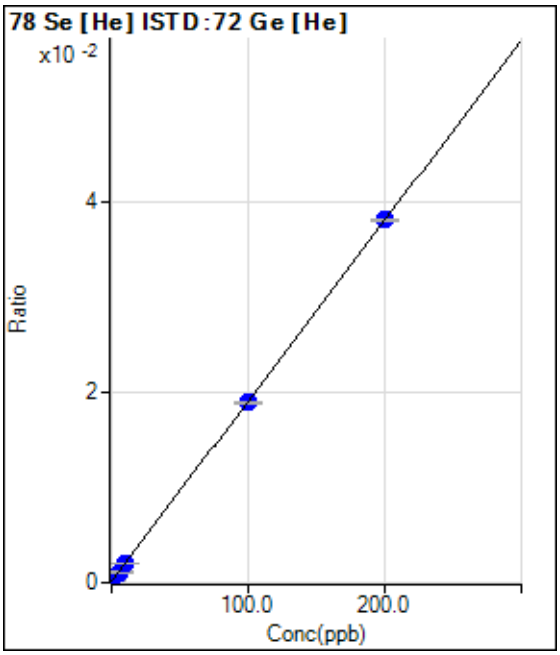
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	15425.81	0.0044	P	0.7
2	☐	2.000	1.774	17104.39	0.0049	P	5.2
3	☐	5.000	4.831	19854.93	0.0057	P	0.3
4	☐	10.000	9.018	23848.10	0.0067	P	2.4
5	☐	100.000	99.086	104866.54	0.0301	P	1.6
6	☐	200.000	200.513	191218.27	0.0565	P	0.9

y = 2.5973E-004 * x + 0.0044
R = 1.0000
DL = 0.3498
BEC = 16.95

Weight: <None>
Min Conc: <None>

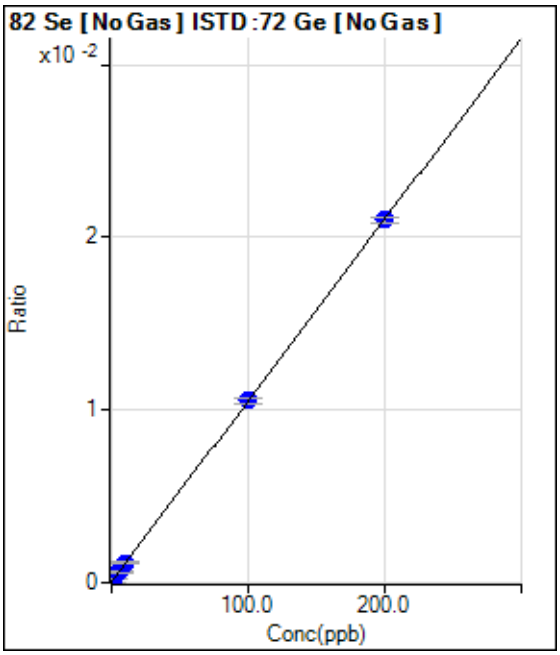


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	176.00	0.0002	P	3.1
2	☐	2.000	1.908	546.01	0.0005	P	7.2
3	☐	5.000	4.854	1138.72	0.0011	P	6.0
4	☐	10.000	9.790	2133.51	0.0020	P	5.0
5	☐	100.000	99.191	19415.28	0.0190	P	0.8
6	☐	200.000	200.419	37685.13	0.0381	P	0.7

y = 1.8947E-004 * x + 1.6806E-004
R = 1.0000
DL = 0.08204
BEC = 0.887

Weight: <None>
Min Conc: <None>

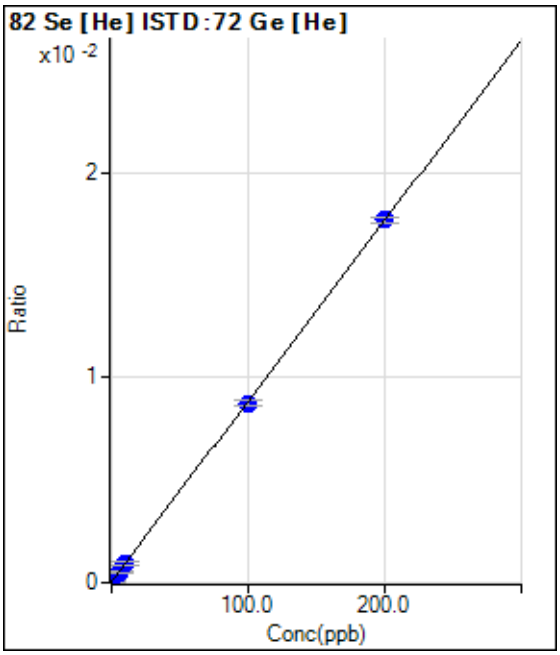
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	178.42	0.0001	P	6.5
2	☐	2.000	1.935	891.45	0.0003	P	15.1
3	☐	5.000	5.355	2149.11	0.0006	P	0.5
4	☐	10.000	10.604	4109.18	0.0012	P	7.5
5	☐	100.000	100.155	36705.97	0.0105	P	3.3
6	☐	200.000	199.884	71097.21	0.0210	P	1.7

y = 1.0482E-004 * x + 5.0940E-005
R = 1.0000
DL = 0.09523
BEC = 0.486

Weight: <None>
Min Conc: <None>

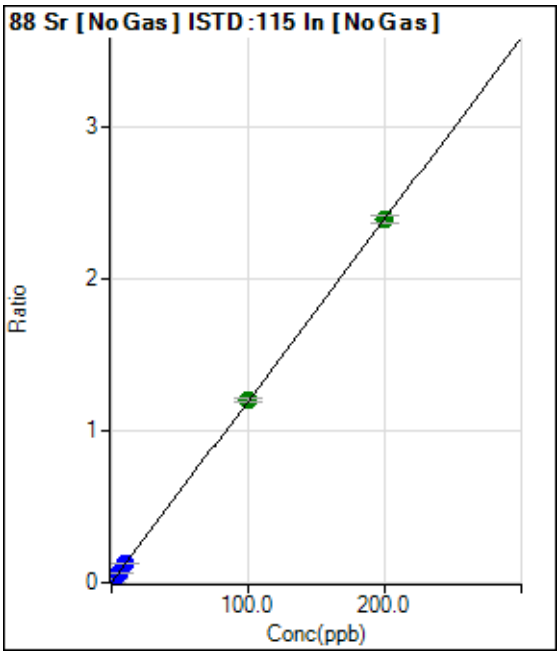


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	46.67	0.0000	P	75.8
2	☐	2.000	2.725	293.35	0.0003	P	34.8
3	☐	5.000	5.238	530.02	0.0005	P	13.3
4	☐	10.000	9.908	966.72	0.0009	P	21.6
5	☐	100.000	99.082	8979.88	0.0088	P	3.9
6	☐	200.000	200.450	17481.62	0.0177	P	1.8

y = 8.8045E-005 * x + 4.4651E-005
R = 1.0000
DL = 1.153
BEC = 0.5071

Weight: <None>
Min Conc: <None>

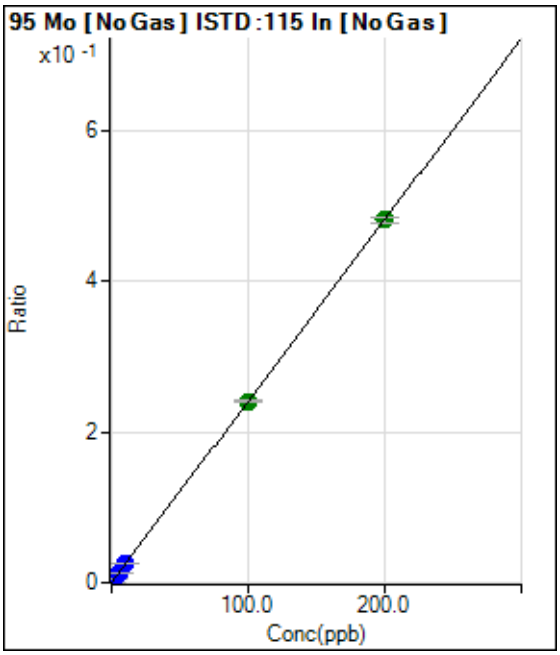
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5677.96	0.0014	P	6.0
2	☐	2.000	2.093	108080.62	0.0264	P	1.7
3	☐	5.000	5.397	270370.09	0.0658	P	1.1
4	☐	10.000	10.719	529870.49	0.1294	P	2.8
5	☐	100.000	100.465	4828903.37	1.2011	A	1.9
6	☐	200.000	199.721	9328614.86	2.3863	A	2.2

y = 0.0119 * x + 0.0014
R = 1.0000
DL = 0.02094
BEC = 0.116

Weight: <None>
Min Conc: <None>

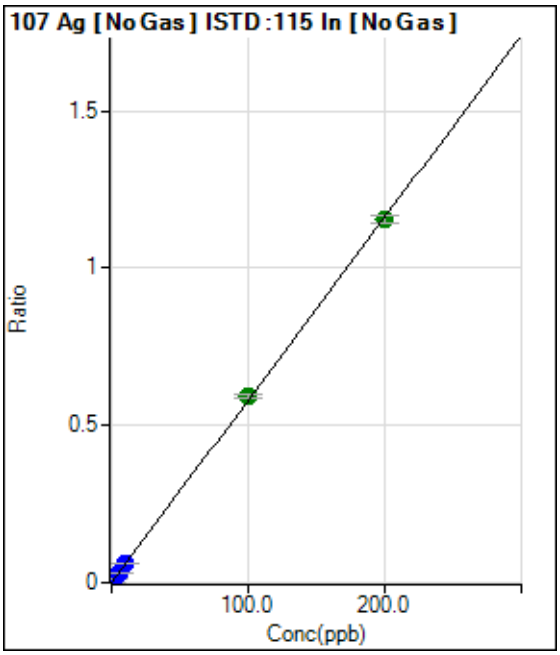


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1046.73	0.0003	P	9.2
2	☐	2.000	2.094	21674.51	0.0053	P	3.7
3	☐	5.000	5.126	51687.12	0.0126	P	1.6
4	☐	10.000	10.198	101504.74	0.0248	P	3.2
5	☐	100.000	99.890	966998.32	0.2405	A	1.6
6	☐	200.000	200.041	1882345.39	0.4814	A	1.9

y = 0.0024 * x + 2.5544E-004
R = 1.0000
DL = 0.0294
BEC = 0.1062

Weight: <None>
Min Conc: <None>

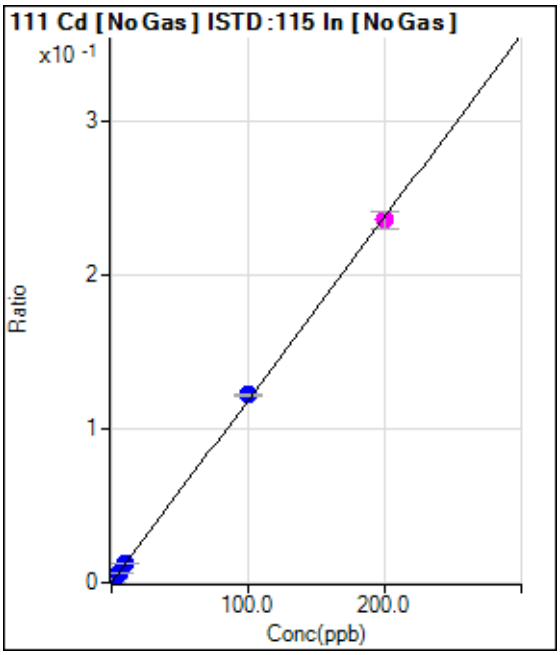
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	180.00	0.0000	P	32.9
2	☐	2.000	2.165	51630.75	0.0126	P	2.6
3	☐	5.000	5.507	131357.59	0.0320	P	2.0
4	☐	10.000	10.936	260047.08	0.0635	P	1.8
5	☐	100.000	102.289	2385773.61	0.5934	A	1.7
6	☐	200.000	198.795	4507980.14	1.1532	A	2.1

y = 0.0058 * x + 4.3732E-005
R = 0.9999
DL = 0.007438
BEC = 0.007539

Weight: <None>
Min Conc: <None>

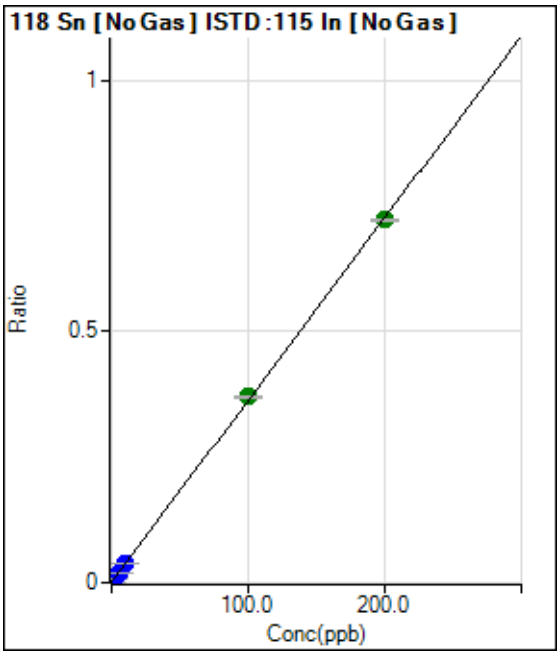


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	-30.07	0.0000	P	-144.5
2	☐	2.000	1.976	9565.29	0.0023	P	3.2
3	☐	5.000	5.191	25247.68	0.0061	P	1.1
4	☐	10.000	10.380	50388.80	0.0123	P	3.3
5	☐	100.000	102.688	489474.05	0.1217	P	0.8
6	☐	200.000	198.633	920275.06	0.2355	M	5.0

y = 0.0012 * x - 7.3568E-006
R = 0.9999
DL = 0.0269
BEC = -0.006205

Weight: <None>
Min Conc: <None>

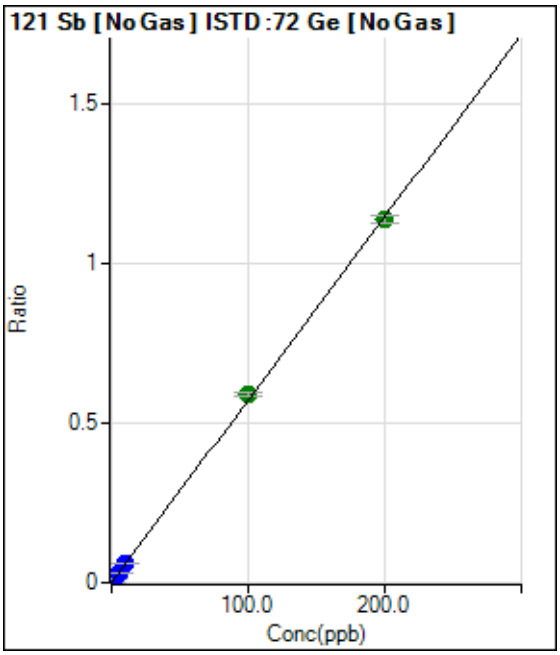
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2413.61	0.0006	P	3.1
2	☐	2.000	2.047	32808.16	0.0080	P	4.7
3	☐	5.000	5.244	80509.22	0.0196	P	3.0
4	☐	10.000	10.427	157300.16	0.0384	P	1.0
5	☐	100.000	101.819	1486794.09	0.3698	A	1.4
6	☐	200.000	199.063	2824391.52	0.7224	A	0.7

y = 0.0036 * x + 5.8849E-004
R = 0.9999
DL = 0.0151
BEC = 0.1623

Weight: <None>
Min Conc: <None>

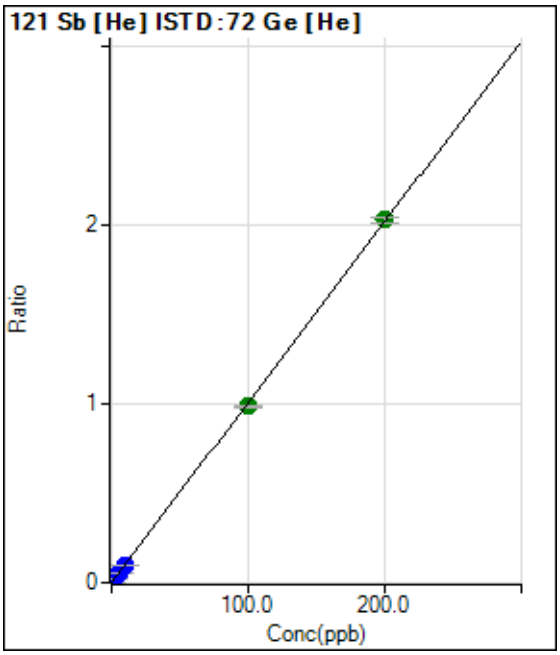


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	360.01	0.0001	P	17.4
2	☐	2.000	2.112	42820.20	0.0122	P	1.9
3	☐	5.000	5.358	107844.20	0.0307	P	2.0
4	☐	10.000	10.514	212836.13	0.0602	P	0.3
5	☐	100.000	102.825	2045242.84	0.5878	A	1.9
6	☐	200.000	198.552	3841967.96	1.1349	A	1.9

y = 0.0057 * x + 1.0275E-004
R = 0.9999
DL = 0.009359
BEC = 0.01798

Weight: <None>
Min Conc: <None>

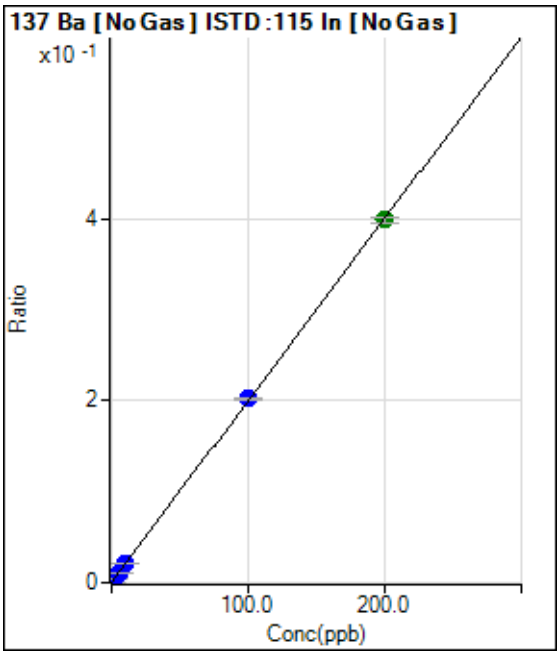
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	153.34	0.0001	P	25.5
2	☐	2.000	1.950	20416.23	0.0198	P	2.7
3	☐	5.000	4.951	52431.77	0.0501	P	2.7
4	☐	10.000	9.585	102065.24	0.0968	P	3.2
5	☐	100.000	97.719	1008612.41	0.9852	A	1.1
6	☐	200.000	201.163	2003433.36	2.0279	A	1.7

y = 0.0101 * x + 1.4623E-004
R = 0.9999
DL = 0.01109
BEC = 0.01451

Weight: <None>
Min Conc: <None>

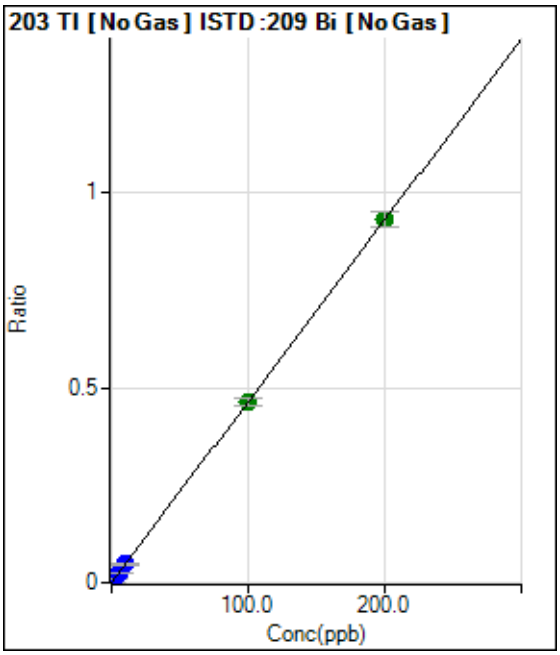


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1323.43	0.0003	P	10.6
2	☐	2.000	2.010	17769.03	0.0043	P	4.5
3	☐	5.000	5.171	43743.75	0.0107	P	2.5
4	☐	10.000	10.237	85091.18	0.0208	P	1.9
5	☐	100.000	101.158	813727.10	0.2024	P	0.7
6	☐	200.000	199.405	1558622.63	0.3986	A	1.2

y = 0.0020 * x + 3.2294E-004
R = 1.0000
DL = 0.05162
BEC = 0.1617

Weight: <None>
Min Conc: <None>

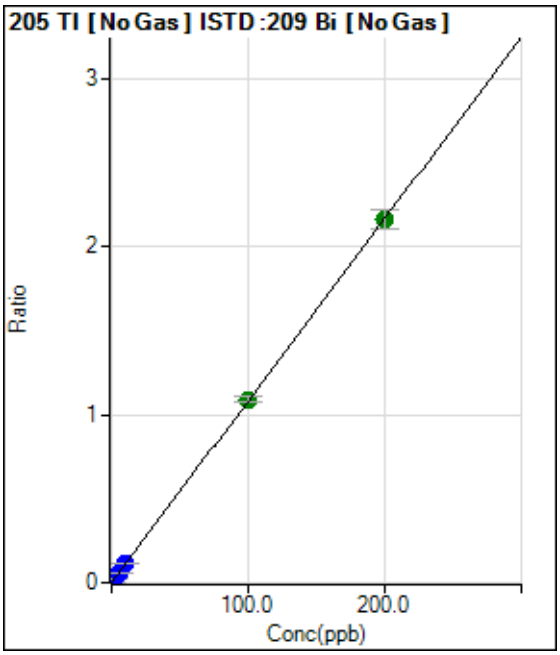
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	143.33	0.0000	P	14.1
2	☐	2.000	1.996	32943.90	0.0093	P	5.9
3	☐	5.000	5.060	83498.63	0.0235	P	5.9
4	☐	10.000	10.075	166125.37	0.0468	P	4.6
5	☐	100.000	99.498	1601183.99	0.4619	A	4.4
6	☐	200.000	200.246	3101444.75	0.9296	A	4.3

y = 0.0046 * x + 4.1066E-005
R = 1.0000
DL = 0.003755
BEC = 0.008846

Weight: <None>
Min Conc: <None>

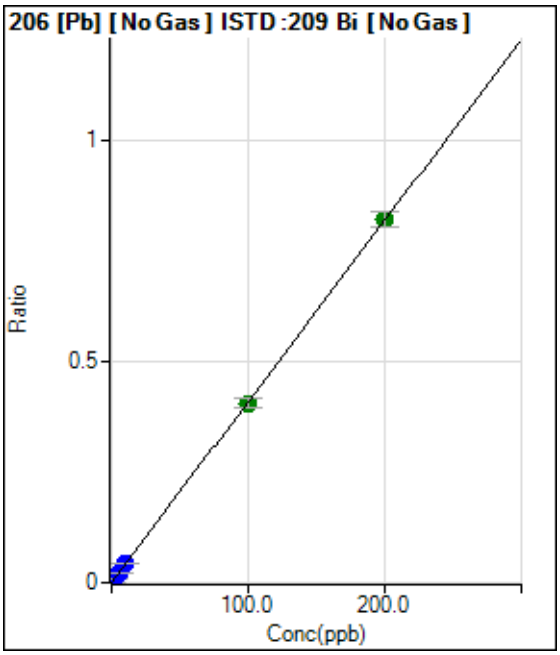


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	386.68	0.0001	P	10.5
2	☐	2.000	2.038	78503.53	0.0222	P	6.3
3	☐	5.000	5.210	200661.95	0.0565	P	5.4
4	☐	10.000	10.271	395273.77	0.1114	P	4.1
5	☐	100.000	100.888	3788253.90	1.0929	A	3.9
6	☐	200.000	199.537	7209769.68	2.1614	A	5.4

y = 0.0108 * x + 1.1089E-004
R = 1.0000
DL = 0.003219
BEC = 0.01024

Weight: <None>
Min Conc: <None>

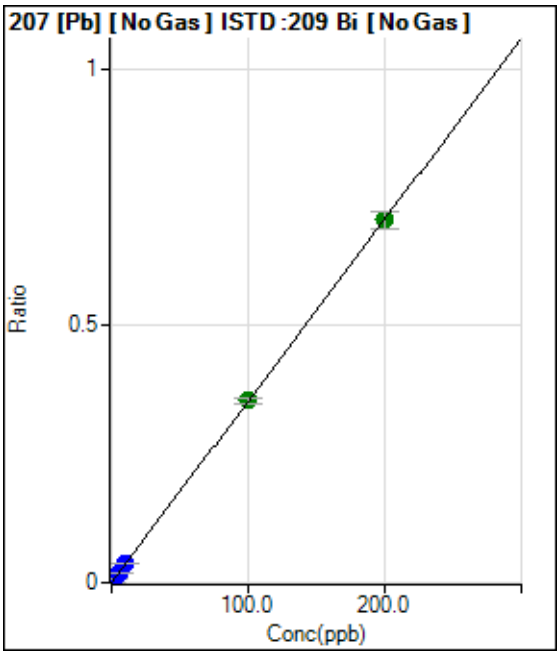
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	436.69	0.0001	P	12.9
2	☐	2.000	2.056	30257.15	0.0085	P	5.8
3	☐	5.000	5.259	76923.32	0.0217	P	4.6
4	☐	10.000	10.430	152068.80	0.0429	P	4.8
5	☐	100.000	99.054	1406781.33	0.4059	A	5.3
6	☐	200.000	200.444	2739896.00	0.8213	A	4.4

y = 0.0041 * x + 1.2530E-004
R = 1.0000
DL = 0.01188
BEC = 0.03059

Weight: <None>
Min Conc: <None>

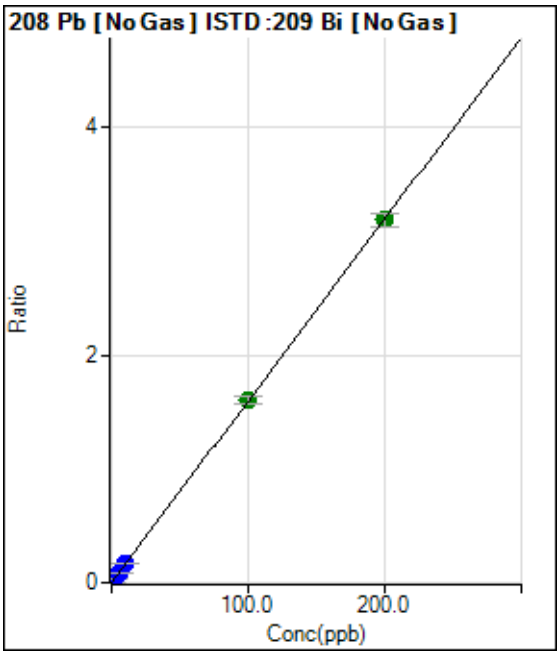


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	283.34	0.0001	P	22.4
2	☐	2.000	2.057	25984.04	0.0073	P	5.4
3	☐	5.000	5.236	65870.84	0.0186	P	5.4
4	☐	10.000	10.397	130494.83	0.0368	P	5.0
5	☐	100.000	100.173	1225786.83	0.3536	A	4.0
6	☐	200.000	199.887	2353871.27	0.7055	A	4.5

y = 0.0035 * x + 8.1364E-005
R = 1.0000
DL = 0.01548
BEC = 0.02305

Weight: <None>
Min Conc: <None>

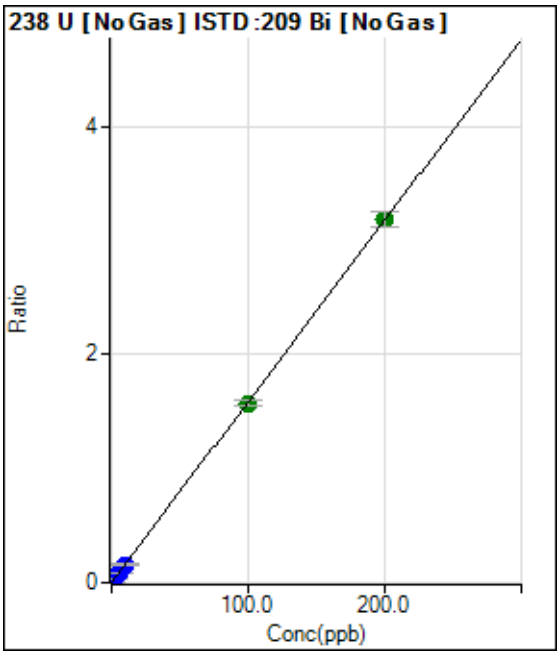
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1466.73	0.0004	P	8.1
2	☐	2.000	2.085	119257.66	0.0337	P	5.7
3	☐	5.000	5.326	303224.70	0.0854	P	5.3
4	☐	10.000	10.553	599281.09	0.1689	P	4.7
5	☐	100.000	100.613	5568178.95	1.6064	A	4.1
6	☐	200.000	199.657	10635069.27	3.1873	A	3.7

y = 0.0160 * x + 4.2069E-004
R = 1.0000
DL = 0.006413
BEC = 0.02636

Weight: <None>
Min Conc: <None>

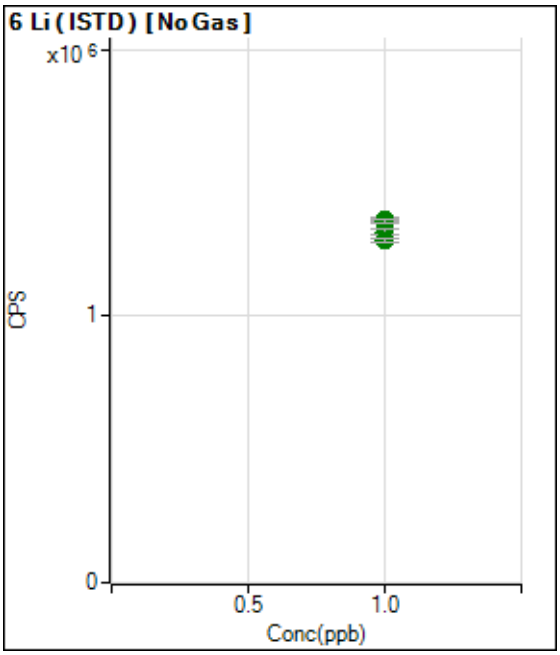


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	103.33	0.0000	P	40.7
2	☐	2.000	2.020	113664.69	0.0321	P	5.5
3	☐	5.000	5.045	284507.46	0.0802	P	5.2
4	☐	10.000	10.056	566819.00	0.1598	P	5.7
5	☐	100.000	99.227	5463864.92	1.5760	A	2.6
6	☐	200.000	200.382	10618581.30	3.1827	A	4.2

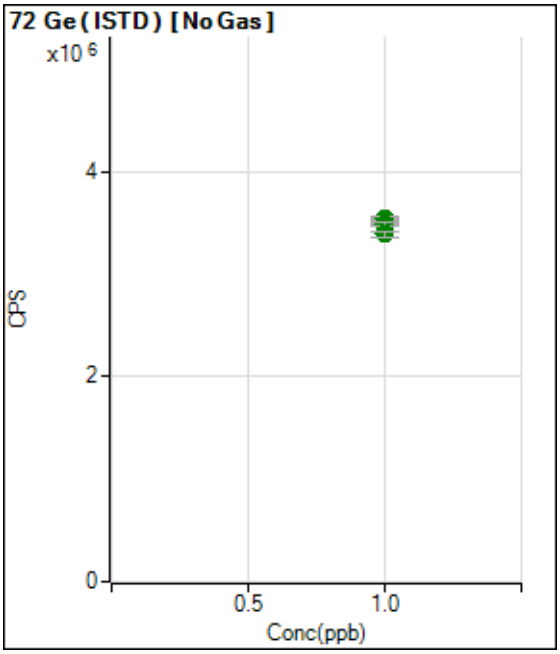
y = 0.0159 * x + 2.9635E-005
R = 1.0000
DL = 0.002278
BEC = 0.001866

Weight: <None>
Min Conc: <None>

Calibration for 329_ICV.d

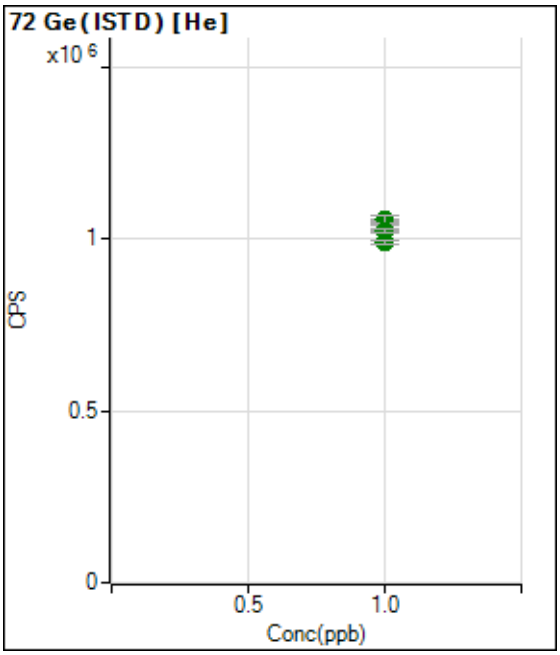


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1347953.42		A	0.4
2	☐	1.000		1354643.78		A	0.6
3	☐	1.000		1360235.83		A	1.8
4	☐	1.000		1356045.90		A	1.0
5	☐	1.000		1313726.26		A	1.5
6	☐	1.000		1280788.48		A	1.2

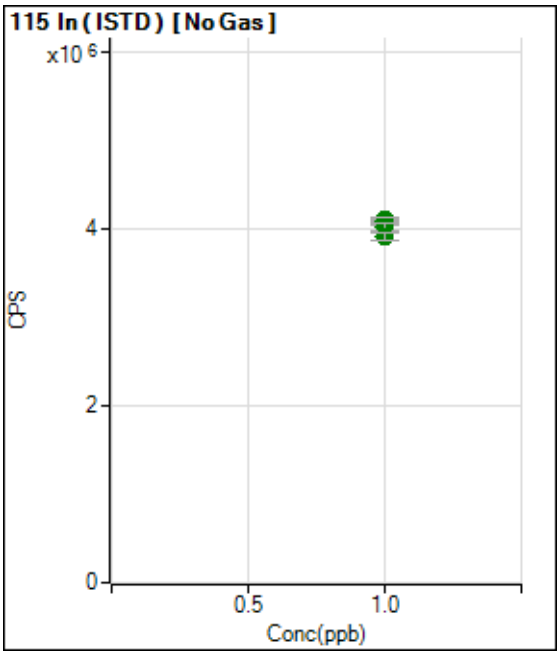


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3504067.86		A	1.0
2	☐	1.000		3518809.95		A	1.7
3	☐	1.000		3509814.95		A	1.2
4	☐	1.000		3536168.28		A	1.8
5	☐	1.000		3479762.34		A	1.1
6	☐	1.000		3385346.51		A	1.3

Calibration for 329_ICV.d

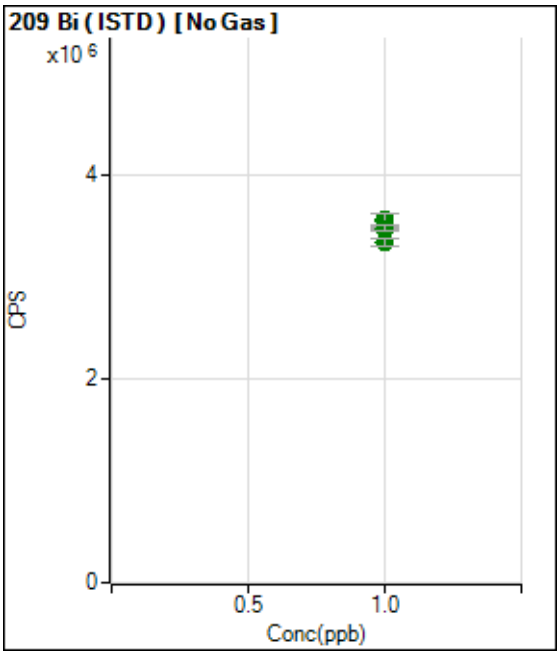


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1047185.69		A	0.9
2	☐	1.000		1031461.13		A	1.6
3	☐	1.000		1047637.25		A	1.8
4	☐	1.000		1055297.87		A	2.2
5	☐	1.000		1023848.34		A	1.1
6	☐	1.000		988065.04		A	1.2



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4101194.70		A	1.7
2	☐	1.000		4097281.46		A	1.8
3	☐	1.000		4106824.68		A	0.2
4	☐	1.000		4096853.47		A	2.3
5	☐	1.000		4020928.37		A	2.3
6	☐	1.000		3910312.10		A	2.2

Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3488916.72		A	1.3
2	☐	1.000		3543894.32		A	3.7
3	☐	1.000		3554045.67		A	3.8
4	☐	1.000		3552677.03		A	3.4
5	☐	1.000		3467796.41		A	1.7
6	☐	1.000		3338621.93		A	2.5

Sample Report

Sample Table

Sample Name	LLCCV5
Data File Name	331LCV5.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T22:16:21-05:00
Sample Type	LLCCV5
Dilution	1
Comment	
ISTD Ref FileName	322CALB.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
Li	7	1	No Gas	5.486	5.486	2.68	192109	0.00	5	
Be	9	1	No Gas	5.107	5.107	0.96	27716	0.02	5	
V	51	2	He	4.987	4.987	1.93	55855	0.01	5	
Cr	52	2	He	5.136	5.136	2.02	88934	0.01	5	
Fe	56	2	He	502.482	502.482	2.39	5022090	0.01	500	
Se	78	2	He	5.052	5.052	9.33	1215	0.42	5	
As	75	2	He	4.993	4.993	2.27	8483	0.06	5	
Ca	44	2	He	510.866	510.866	3.34	42787	1.19	500	
Na	23	2	He	501.074	501.074	2.24	953768	0.05	500	
Mg	24	2	He	548.929	548.929	1.75	568823	0.10	500	
K	39	2	He	512.410	512.410	1.23	969161	0.05	500	
Mn	55	2	He	5.138	5.138	2.77	47754	0.01	5	
Co	59	2	He	5.155	5.155	0.69	76340	0.01	5	
Ni	60	2	He	5.172	5.172	0.68	19841	0.03	5	
Cu	63	2	He	5.231	5.231	1.19	47035	0.01	5	
Zn	66	2	He	4.916	4.916	5.22	11975	0.04	5	
Al	27	2	He	6.689	6.689	2.20	9030	0.07	5	NewName2 Main CR1 Failed
B	11	1	No Gas	26.938	26.938	0.77	139887	0.02	25	
Al	27	1	No Gas	6.825	6.825	5.27	289463	0.00	5	NewName2 Main CR1 Failed
Si	28	1	No Gas	30.764	30.764	3.59	954019	0.00	25	
Ag	107	1	No Gas	5.474	5.474	0.83	131977	0.00	5	
Cd	111	1	No Gas	5.112	5.112	2.19	25122	0.02	5	
Sr	88	1	No Gas	5.491	5.491	2.07	277866	0.00	5	
Mo	95	1	No Gas	5.143	5.143	0.69	52413	0.01	5	
Sn	118	1	No Gas	5.225	5.225	2.63	81086	0.01	5	
Sb	121	1	No Gas	5.299	5.299	2.36	108691	0.00	5	
Ba	137	1	No Gas	5.122	5.122	1.64	43808	0.01	5	
Tl	205	1	No Gas	5.252	5.252	4.57	201163	0.00	5	
Tl	203	1	No Gas	5.170	5.170	2.39	84887	0.01	5	
Pb	208	1	No Gas	5.243	5.243	5.00	296847	0.00	5	
U	238	1	No Gas	5.003	5.003	5.51	280522	0.00	5	
Ca	43	2	He	540.108	540.108	5.71	2757	19.59	500	
Sb	121	2	He	4.743	4.743	1.14	51809	0.01	5	
Ti	47	2	He	4.856	4.856	8.62	2107	0.23	5	
Cu	63	1	No Gas	5.549	5.549	1.04	99505	0.01	5	
Se	82	1	No Gas	4.616	4.616	8.21	1912	0.24	5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1388748	1.11	1347953	103.03	70	120	
Ge	72	2	He	1080487	1.09	1047186	103.18	70	120	
Ge	72	1	No Gas	3577670	1.43	3504068	102.10	70	120	
In	115	1	No Gas	4150579	0.47	4101195	101.20	70	120	
Bi	209	1	No Gas	3532041	2.81	3488917	101.24	70	120	

Sample Report

Sample Table

Sample Name	LLCCV2
Data File Name	332LCV2.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T22:18:16-05:00
Sample Type	LLCCV2
Dilution	1
Comment	
ISTD Ref FileName	322CALB.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
Li	7	1	No Gas	2.169	2.169	3.23	134379	0.00	2	
Be	9	1	No Gas	2.015	2.015	2.74	11079	0.02	2	
V	51	2	He	1.937	1.937	2.27	25299	0.01	2	
Cr	52	2	He	2.213	2.213	5.47	56373	0.00	2	
Fe	56	2	He	202.907	202.907	1.65	2040969	0.01	200	
Se	78	2	He	1.937	1.937	10.45	575	0.34	2	
As	75	2	He	1.973	1.973	4.88	3562	0.06	2	
Ca	44	2	He	194.927	194.927	2.45	17895	1.09	200	
Na	23	2	He	211.583	211.583	1.63	455822	0.05	200	
Mg	24	2	He	218.611	218.611	1.36	226679	0.10	200	
K	39	2	He	209.808	209.808	1.00	495165	0.04	200	
Mn	55	2	He	2.016	2.016	3.08	19311	0.01	2	
Co	59	2	He	2.061	2.061	2.69	30484	0.01	2	
Ni	60	2	He	2.033	2.033	2.74	8249	0.02	2	
Cu	63	2	He	2.124	2.124	2.58	19474	0.01	2	
Zn	66	2	He	1.991	1.991	2.53	6262	0.03	2	
Al	27	2	He	0.688	0.688	63.18	4294	0.02	2	NewName Main CR1 Failed
B	11	1	No Gas	9.581	9.581	4.36	83441	0.01	10	
Al	27	1	No Gas	0.504	0.504	12.81	141156	0.00	2	NewName Main CR1 Failed
Si	28	1	No Gas	12.163	12.163	3.18	720554	0.00	10	
Ag	107	1	No Gas	2.184	2.184	2.17	53666	0.00	2	
Cd	111	1	No Gas	1.990	1.990	2.66	9932	0.02	2	
Sr	88	1	No Gas	2.054	2.054	1.02	109425	0.00	2	
Mo	95	1	No Gas	2.039	2.039	0.59	21788	0.01	2	
Sn	118	1	No Gas	2.071	2.071	3.74	34205	0.01	2	
Sb	121	1	No Gas	2.084	2.084	0.55	43241	0.00	2	
Ba	137	1	No Gas	1.890	1.890	4.07	17302	0.01	2	
Tl	205	1	No Gas	2.062	2.062	4.89	80268	0.00	2	
Tl	203	1	No Gas	2.002	2.002	4.04	33392	0.01	2	
Pb	208	1	No Gas	2.057	2.057	4.52	118944	0.00	2	
U	238	1	No Gas	1.979	1.979	3.33	112564	0.00	2	
Ca	43	2	He	185.499	185.499	22.06	1047	17.72	200	
Sb	121	2	He	1.900	1.900	2.19	20757	0.01	2	
Ti	47	2	He	1.709	1.709	17.85	757	0.23	200	
Cu	63	1	No Gas	2.275	2.275	4.42	42075	0.01	2	
Se	82	1	No Gas	1.869	1.869	10.20	888	0.21	2	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1405584	1.10	1347953	104.28	70	120	
Ge	72	2	He	1075488	0.91	1047186	102.70	70	120	
Ge	72	1	No Gas	3598953	0.85	3504068	102.71	70	120	
In	115	1	No Gas	4222200	1.23	4101195	102.95	70	120	
Bi	209	1	No Gas	3579938	3.64	3488917	102.61	70	120	

Initial Calibration Blank (ICB) Report

Sample Table

Sample Name	ICCB
Data File Name	333_ICB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T22:20:12-05:00
Sample Type	ICB
Dilution	1
Comment	
ISTD Ref File Name	322CALB.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
Li	7	1	No Gas	0.060	190.4	96511	1.0	0.5	
Be	9	1	No Gas	0.003	114.8	35	51.5	0.5	
V	51	2	He	-0.028	-31.1	5848	3.0	2.5	
Cr	52	2	He	0.155	69.0	34180	1.5	2.5	
Fe	56	2	He	1.764	8.0	55335	1.8	100	
Se	78	2	He	0.038	340.6	191	16.0	1	
As	75	2	He	0.002	541.5	381	7.4	2.5	
Ca	44	2	He	-1.739	-79.7	2550	5.0	100	
Na	23	2	He	0.277	319.3	96774	1.3	100	
Mg	24	2	He	0.288	77.1	2284	10.2	100	
K	39	2	He	2.183	128.0	175210	0.5	100	
Mn	55	2	He	0.438	1.9	5101	2.4	2.5	
Co	59	2	He	0.006	91.9	263	30.7	2.5	
Ni	60	2	He	0.135	30.8	1313	13.7	2.5	
Cu	63	2	He	0.060	24.6	1327	12.0	1	
Zn	66	2	He	0.571	5.1	3561	0.8	2.5	
Al	27	2	He	-1.929	-15.1	2277	8.2	5	
B	11	1	No Gas	-0.565	-88.0	49619	2.2	0.5	
Al	27	1	No Gas	-2.257	-3.9	76268	2.6	5	
Si	28	1	No Gas	3.070	28.4	608774	0.4	10	
Ag	107	1	No Gas	0.003	61.3	250	17.4	2.5	
Cd	111	1	No Gas	-0.001	-275.0	-36	-43.5	1	
Sr	88	1	No Gas	-0.043	-5.2	3587	2.3	2.5	
Mo	95	1	No Gas	0.009	158.3	1153	13.0	2.5	
Sn	118	1	No Gas	0.096	10.9	3887	4.8	5	
Sb	121	1	No Gas	0.020	9.2	790	4.4	2.5	
Ba	137	1	No Gas	-0.020	-36.5	1170	4.4	2.5	
Tl	205	1	No Gas	0.037	21.6	1817	18.4	1	
Tl	203	1	No Gas	0.040	5.9	817	5.5	1	
Pb	208	1	No Gas	0.006	48.5	1850	9.1	2.5	
U	238	1	No Gas	0.002	35.9	220	19.8	2.5	
Ca	43	2	He	-8.096	-156.6	120	50.7	100	
Sb	121	2	He	0.014	15.2	317	9.6	2.5	
Ti	47	2	He	-0.026	-50.4	17	34.6	2.5	
Se	82	1	No Gas	-0.147	-174.7	128	74.4	1	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1410366	1.24	1347953	104.63	70	120	

Initial Calibration Blank (ICB) Report

Ge	72	2	He	1089658	2.07	1047186	104.06	70	120	
Ge	72	1	No Gas	3630232	1.44	3504068	103.60	70	120	
In	115	1	No Gas	4145095	0.86	4101195	101.07	70	120	
Bi	209	1	No Gas	3571991	1.65	3488917	102.38	70	120	

Interference Check Solution A (ICS-A) Report

Sample Table

Sample Name	ICSA
Data File Name	334ICSA.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T22:22:08-05:00
Sample Type	ICSA
Dilution	1
Comment	
ISTD Ref File Name	322CALB.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
Li	7	1	No Gas	0.407	17.6	95578	0.4	0	ICSA Main CR1 Failed
Be	9	1	No Gas	0.003	19.7	33	8.7	0	ICSA Main CR1 Failed
V	51	2	He	0.218	14.1	7690	2.5	0	ICSA Main CR1 Failed
Cr	52	2	He	1.619	5.9	46686	1.1	0	ICSA Main CR1 Failed
Fe	56	2	He	96528.757	0.8	892688013	0.4	0	
Se	78	2	He	0.214	36.2	210	5.8	0	ICSA Main CR1 Failed
As	75	2	He	0.362	10.5	897	5.2	0	ICSA Main CR1 Failed
Ca	44	2	He	91344.773	0.7	6691718	1.7	0	
Na	23	2	He	97105.244	1.3	155152744	0.4	0	
Mg	24	2	He	96633.691	1.3	93032715	0.9	0	
K	39	2	He	97936.331	1.1	142479335	0.3	0	
Mn	55	2	He	1.183	1.7	11031	1.1	0	ICSA Main CR1 Failed
Co	59	2	He	0.553	3.6	7782	3.1	0	ICSA Main CR1 Failed
Ni	60	2	He	0.960	6.4	4044	4.1	0	ICSA Main CR1 Failed
Cu	63	2	He	0.958	2.7	8623	1.3	0	ICSA Main CR1 Failed
Zn	66	2	He	2.213	5.9	6268	4.8	0	ICSA Main CR1 Failed
Al	27	2	He	88082.074	1.0	64490366	1.4	0	
B	11	1	No Gas	1.144	5.1	51474	1.0	0	
Al	27	1	No Gas	94323.146	0.6	2105965089	0.4	0	
Si	28	1	No Gas	26.237	7.0	847717	2.4	0	
Ag	107	1	No Gas	0.181	9.5	4081	8.9	0	ICSA Main CR1 Failed
Cd	111	1	No Gas	0.523	2.2	2283	2.8	0	ICSA Main CR1 Failed
Sr	88	1	No Gas	4.998	0.8	227331	1.1	0	ICSA Main CR1 Failed
Mo	95	1	No Gas	2012.825	0.5	18025872	0.4	0	
Sn	118	1	No Gas	0.057	23.4	2967	6.7	0	ICSA Main CR1 Failed
Sb	121	1	No Gas	0.246	3.0	5111	2.9	0	ICSA Main CR1 Failed
Ba	137	1	No Gas	0.627	4.4	5868	3.8	0	ICSA Main CR1 Failed
Tl	205	1	No Gas	0.019	16.8	970	10.9	0	ICSA Main CR1 Failed
Tl	203	1	No Gas	0.021	22.3	423	13.8	0	ICSA Main CR1 Failed
Pb	208	1	No Gas	0.204	11.4	11145	6.3	0	ICSA Main CR1 Failed
U	238	1	No Gas	0.010	14.3	587	8.4	0	ICSA Main CR1 Failed
Ca	43	2	He	94545.942	0.5	424121	0.7	0	
Sb	121	2	He	0.234	7.6	2520	8.3	0	ICSA Main CR1 Failed
Ti	47	2	He	2023.712	0.9	808265	0.8	0	
Se	82	1	No Gas	0.250	72.2	261	24.6	0	ICSA Main CR1 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1310990	1.30	1347953	97.26	70	120	
Ge	72	2	He	1007277	1.25	1047186	96.19	70	120	
Ge	72	1	No Gas	3383984	0.25	3504068	96.57	70	120	
In	115	1	No Gas	3722885	0.76	4101195	90.78	70	120	
Bi	209	1	No Gas	3042823	3.97	3488917	87.21	70	120	

Interference Check Solution AB (ICS-AB) Report

Sample Table

Sample Name	ICSAB
Data File Name	335ICSB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T22:24:11-05:00
Sample Type	ICSB
Dilution	1
Comment	
ISTD Ref File Name	322CALB.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
Li	7	1	No Gas	96.710	1.861	1646505	2.11	100	96.7	180	120	ICSB Main CR1 Failed
Be	9	1	No Gas	97.389	1.275	476747	0.64	100	97.4	80	120	
V	51	2	He	95.677	2.178	888226	0.42	100	95.7	80	120	
Cr	52	2	He	94.735	2.439	996924	1.39	100	94.7	80	120	
Fe	56	2	He	105072.179	2.657	963167319	0.36	100	105072.2	80	120	
Se	78	2	He	97.750	1.878	18661	0.50	100	97.7	80	120	
As	75	2	He	97.317	2.234	146401	0.33	100	97.3	80	120	
Ca	44	2	He	99390.534	2.264	7216894	0.69	100	99390.5	80	120	
Na	23	2	He	103125.136	2.032	163341904	0.48	100	103125.1	80	120	ICSB Main CR1 Failed
Mg	24	2	He	103554.526	2.562	98824099	0.43	100	103554.5	80	120	ICSB Main CR1 Failed
K	39	2	He	105218.741	1.628	151748124	0.92	100	105218.7	80	120	ICSB Main CR1 Failed
Mn	55	2	He	95.588	2.412	803475	0.58	100	95.6	80	120	
Co	59	2	He	92.845	2.266	1267910	1.02	100	92.8	80	120	
Ni	60	2	He	89.895	2.400	306536	1.70	100	89.9	80	120	
Cu	63	2	He	91.726	2.469	750205	0.71	100	91.7	80	120	
Zn	66	2	He	93.482	1.974	170163	1.22	100	93.5	80	120	
Al	27	2	He	87525.311	2.610	63518982	0.88	100	87525.3	80	120	ICSB Main CR1 Failed
B	11	1	No Gas	463.505	1.109	1430313	0.41	100	463.5	80	120	
Al	27	1	No Gas	91940.840	1.604	2011920450	1.56	100	91940.8	80	120	ICSB Main CR1 Failed
Si	28	1	No Gas	507.239	1.247	6532121	1.13	100	507.2	80	120	
Ag	107	1	No Gas	96.794	2.532	2045642	1.67	100	96.8	80	120	
Cd	111	1	No Gas	99.578	1.372	430159	1.53	100	99.6	80	120	
Sr	88	1	No Gas	105.902	2.085	4612311	1.05	100	105.9	80	120	
Mo	95	1	No Gas	2097.415	1.039	18384260	1.29	100	2097.4	80	120	
Sn	118	1	No Gas	99.430	2.227	1315581	0.96	100	99.4	80	120	
Sb	121	1	No Gas	95.480	1.239	1810143	1.08	100	95.5	80	120	
Ba	137	1	No Gas	100.465	1.211	732348	0.50	100	100.5	80	120	
Tl	205	1	No Gas	95.855	7.403	3167767	1.33	100	95.9	80	120	
Tl	203	1	No Gas	95.239	6.165	1349568	0.08	100	95.2	80	120	
Pb	208	1	No Gas	98.011	6.935	4774889	0.85	100	98.0	80	120	
U	238	1	No Gas	98.827	5.195	4793072	1.10	100	98.8	80	120	
Ca	43	2	He	103092.845	2.432	458432	1.56	100	103092.8	80	120	
Sb	121	2	He	91.884	1.529	924997	0.88	100	91.9	80	120	
Ti	47	2	He	2112.155	2.126	836345	1.91	100	2112.2	80	120	
Cu	63	1	No Gas	95.535	0.665	1561969	1.02	100	95.5	80	120	
Se	82	1	No Gas	99.907	1.775	34901	1.04	100	99.9	80	120	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1253542	0.86	1347953	93.00	70	120	
Ge	72	2	He	998784	2.35	1047186	95.38	70	120	
Ge	72	1	No Gas	3316689	0.82	3504068	94.65	70	120	
In	115	1	No Gas	3643886	1.45	4101195	88.85	70	120	
Bi	209	1	No Gas	3060246	6.34	3488917	87.71	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	368_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T23:28:10-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	322CALB.d
n	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
Li	7	1	No Gas	108.522	0.997	1535181	0.77	100	108.5	90	110	
Be	9	1	No Gas	109.303	0.537	447133	0.36	100	109.3	90	110	
V	51	2	He	99.277	2.332	877655	1.34	100	99.3	90	110	
Cr	52	2	He	96.276	1.776	964552	0.82	100	96.3	90	110	
Fe	56	2	He	9944.484	2.476	86856892	0.42	10000	99.4	90	110	
Se	78	2	He	100.355	2.258	18242	0.64	100	100.4	90	110	
As	75	2	He	98.893	2.227	141709	1.81	100	98.9	90	110	
Ca	44	2	He	10109.838	1.990	701475	2.63	10000	101.1	90	110	
Na	23	2	He	9465.342	2.423	14356542	1.79	10000	94.7	90	110	
Mg	24	2	He	9504.350	2.628	8641199	1.67	10000	95.0	90	110	
K	39	2	He	9786.161	1.146	13582287	2.70	10000	97.9	90	110	
Mn	55	2	He	100.347	1.808	803408	0.95	100	100.3	90	110	
Co	59	2	He	101.135	1.206	1315633	1.24	100	101.1	90	110	
Ni	60	2	He	99.029	2.162	321541	0.51	100	99.0	90	110	
Cu	63	2	He	101.002	1.711	786819	0.98	100	101.0	90	110	
Zn	66	2	He	102.893	2.558	178154	0.68	100	102.9	90	110	
Al	27	2	He	104.180	4.431	75334	3.63	100	104.2	90	110	
B	11	1	No Gas	552.877	1.513	1418344	1.46	500	110.6	90	110	CCV Main CR1-2 Failed
Al	27	1	No Gas	105.501	3.009	2282808	1.32	100	105.5	90	110	
Si	28	1	No Gas	629.452	1.606	7505728	0.26	5000	12.6	90	110	CCV Main CR1-2 Failed
Ag	107	1	No Gas	102.009	0.709	2214495	1.47	100	102.0	90	110	
Cd	111	1	No Gas	102.724	0.938	455723	0.45	100	102.7	90	110	
Sr	88	1	No Gas	102.334	0.857	4578402	1.81	100	102.3	90	110	
Mo	95	1	No Gas	101.811	0.479	917419	0.91	100	101.8	90	110	
Sn	118	1	No Gas	103.366	1.113	1404724	1.26	100	103.4	90	110	
Sb	121	1	No Gas	105.835	1.199	1887099	0.69	100	105.8	90	110	
Ba	137	1	No Gas	104.332	1.106	781090	1.32	100	104.3	90	110	
Tl	205	1	No Gas	100.280	5.395	3580765	1.39	100	100.3	90	110	
Tl	203	1	No Gas	101.507	3.469	1554434	2.09	100	101.5	90	110	
Pb	208	1	No Gas	102.540	4.898	5397350	0.66	100	102.5	90	110	
U	238	1	No Gas	101.858	4.750	5333955	0.81	100	101.9	90	110	
Ca	43	2	He	9912.129	1.845	42108	0.59	10000	99.1	90	110	
Sb	121	2	He	101.705	1.151	975239	1.30	100	101.7	90	110	
Ti	47	2	He	97.810	1.821	36910	1.05	100	97.8	90	110	
Cu	63	1	No Gas	103.014	2.095	1583767	0.53	100	103.0	90	110	
Se	82	1	No Gas	101.468	1.251	33337	0.80	100	101.5	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1047478	0.20	1347953	77.71	70	120	
Ge	72	2	He	951313	2.46	1047186	90.84	70	120	
Ge	72	1	No Gas	3119773	1.76	3504068	89.03	70	120	
In	115	1	No Gas	3742221	1.04	4101195	91.25	70	120	
Bi	209	1	No Gas	3301647	4.55	3488917	94.63	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	369_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T23:30:00-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	322CALB.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
Li	7	1	No Gas	-0.041	-102.0	73861	0.7	0.5	
Be	9	1	No Gas	0.014	38.4	73	30.7	0.5	
V	51	2	He	0.001	1181.0	5470	0.8	2.5	
Cr	52	2	He	-0.042	-130.8	28503	1.0	2.5	
Fe	56	2	He	0.630	8.1	39196	0.7	100	
Se	78	2	He	0.092	13.2	180	1.9	2	
As	75	2	He	0.032	150.4	382	16.9	2.5	
Ca	44	2	He	-11.975	-15.5	1550	9.5	100	
Na	23	2	He	60.888	1.4	179495	1.5	100	
Mg	24	2	He	0.714	9.5	2430	3.9	100	
K	39	2	He	-4.737	-35.8	146417	0.5	100	
Mn	55	2	He	0.014	35.4	1090	4.6	2.5	
Co	59	2	He	0.005	34.2	220	9.1	2.5	
Ni	60	2	He	0.000	7518.9	723	8.9	2.5	
Cu	63	2	He	0.003	94.1	727	4.2	2	
Zn	66	2	He	-0.229	-55.1	1773	11.3	2.5	
Al	27	2	He	-2.639	-4.5	1530	5.7	5	
B	11	1	No Gas	9.967	7.1	66317	2.7	0.5	CCB Main CR1 Failed
Al	27	1	No Gas	-3.139	-1.3	47385	2.3	5	
Si	28	1	No Gas	-2.115	-10.1	465250	0.2	10	
Ag	107	1	No Gas	0.004	18.8	247	4.7	2.5	
Cd	111	1	No Gas	0.011	45.5	21	106.7	1	
Sr	88	1	No Gas	-0.022	-8.6	4261	1.4	2.5	
Mo	95	1	No Gas	0.081	20.9	1717	9.9	2.5	
Sn	118	1	No Gas	0.161	18.1	4454	9.7	5	
Sb	121	1	No Gas	0.102	16.0	2144	12.9	2.5	
Ba	137	1	No Gas	-0.104	-6.4	437	10.3	2.5	
Tl	205	1	No Gas	0.644	38.0	24023	41.5	1	
Tl	203	1	No Gas	0.649	39.1	10358	42.8	1	
Pb	208	1	No Gas	0.015	47.3	2210	20.6	2.5	
U	238	1	No Gas	0.029	45.9	1677	47.1	2.5	
Ca	43	2	He	-12.859	-39.6	87	26.6	100	
Sb	121	2	He	0.075	12.2	880	9.8	2.5	
Ti	47	2	He	-0.038	-67.7	10	100.0	2.5	
Cu	63	1	No Gas	0.010	41.3	1677	4.2	2.5	
Se	82	1	No Gas	0.214	38.6	229	11.7	2	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1099973	0.19	1347953	81.60	70	120	
Ge	72	2	He	970671	1.56	1047186	92.69	70	120	
Ge	72	1	No Gas	3118447	0.61	3504068	89.00	70	120	
In	115	1	No Gas	3802007	1.40	4101195	92.70	70	120	
Bi	209	1	No Gas	3355921	4.07	3488917	96.19	70	120	

Sample Report

Sample Table

Sample Name	HS23060280-02
Data File Name	370SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T23:31:57-05:00
Sample Type	Sample
Dilution	1
Comment	TW DOD B 195358 As
ISTD Ref FileName	322CALB.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
Li	7	1	No Gas	165.144	165.144	2.48	2373303	0.01	2000	
Be	9	1	No Gas	0.182	0.182	5.63	785	0.02	2000	
V	51	2	He	1.411	1.411	3.71	18120	0.01	2000	
Cr	52	2	He	0.322	0.322	48.92	32115	0.00	2000	
Fe	56	2	He	3480.030	3480.030	2.98	31051942	0.01	200000	
Se	78	2	He	0.861	0.861	14.96	321	0.27	2000	
As	75	2	He	1.741	1.741	5.51	2876	0.06	2000	
Ca	44	2	He	288091.352	288091.352	1.94	20337849	1.42	200000	>LDR
Na	23	2	He	712166.482	712166.482	3.04	1096230650	0.06	200000	>LDR
Mg	24	2	He	140495.933	140495.933	2.73	130376235	0.11	200000	
K	39	2	He	1263.580	1263.580	2.73	1923107	0.07	200000	
Mn	55	2	He	2305.524	2305.524	2.10	18822956	0.01	2000	>LDR
Co	59	2	He	2.166	2.166	2.59	28921	0.01	2000	
Ni	60	2	He	2.736	2.736	4.85	9770	0.03	2000	
Cu	63	2	He	0.497	0.497	5.40	4651	0.01	2000	
Zn	66	2	He	3.618	3.618	1.47	8496	0.04	2000	
Al	27	2	He	53.570	53.570	3.05	41195	0.13	2000	
B	11	1	No Gas	38.913	38.913	1.80	139786	0.03	2000	
Al	27	1	No Gas	55.724	55.724	0.72	1196292	0.00	2000	
Si	28	1	No Gas	18419.050	18419.050	0.94	195606317	0.01	2000	>LDR
Ag	107	1	No Gas	0.018	0.018	27.44	500	0.00	2000	
Cd	111	1	No Gas	0.133	0.133	4.72	509	0.03	2000	
Sr	88	1	No Gas	7409.433	7409.433	0.98	298850322	0.00	2000	>LDR
Mo	95	1	No Gas	0.403	0.403	11.20	4131	0.01	2000	
Sn	118	1	No Gas	0.017	0.017	49.77	2200	0.00	2000	
Sb	121	1	No Gas	0.177	0.177	5.54	3307	0.01	2000	
Ba	137	1	No Gas	40.274	40.274	0.39	272813	0.01	2000	
Tl	205	1	No Gas	0.034	0.034	21.52	1257	0.00	2000	
Tl	203	1	No Gas	0.042	0.042	3.91	623	0.01	2000	
Pb	208	1	No Gas	0.247	0.247	7.81	11462	0.00	2000	
U	238	1	No Gas	22.346	22.346	6.22	931322	0.00	2000	
Ca	43	2	He	307679.446	307679.446	2.78	1329995	23.13	200000	>LDR
Sb	121	2	He	0.159	0.159	6.18	1700	0.01	2000	
Ti	47	2	He	3.962	3.962	5.61	1550	0.26	2000	
Cu	63	1	No Gas	7.403	7.403	1.40	109525	0.01	2000	
Zn	66	1	No Gas	5.443	5.443	2.99	27545	0.02	2000	
Se	82	1	No Gas	15.105	15.105	3.88	4845	0.31	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1081466	1.54	1347953	80.23	70	120	
Ge	72	2	He	971206	2.14	1047186	92.74	70	120	
Ge	72	1	No Gas	2964332	1.28	3504068	84.60	70	120	
In	115	1	No Gas	3377745	1.31	4101195	82.36	70	120	
Bi	209	1	No Gas	2630149	5.85	3488917	75.39	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	380_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T23:51:59-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	322CALB.d
n	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
Li	7	1	No Gas	105.673	2.112	1395296	0.91	100	105.7	90	110	
Be	9	1	No Gas	107.150	2.436	408609	1.53	100	107.1	90	110	
V	51	2	He	98.214	0.276	824424	0.27	100	98.2	90	110	
Cr	52	2	He	94.291	1.654	897431	1.57	100	94.3	90	110	
Fe	56	2	He	9660.035	0.515	80114905	0.45	10000	96.6	90	110	
Se	78	2	He	98.308	1.270	16971	1.24	100	98.3	90	110	
As	75	2	He	98.554	0.100	134077	0.07	100	98.6	90	110	
Ca	44	2	He	9976.440	0.915	657114	0.88	10000	99.8	90	110	
Na	23	2	He	9346.400	0.343	13460129	0.36	10000	93.5	90	110	
Mg	24	2	He	9387.400	0.529	8103618	0.54	10000	93.9	90	110	
K	39	2	He	9909.083	1.705	13051838	1.72	10000	99.1	90	110	
Mn	55	2	He	98.752	0.961	750656	0.92	100	98.8	90	110	
Co	59	2	He	100.404	0.876	1239946	0.86	100	100.4	90	110	
Ni	60	2	He	96.122	0.660	296351	0.60	100	96.1	90	110	
Cu	63	2	He	98.177	0.861	726133	0.83	100	98.2	90	110	
Zn	66	2	He	99.050	0.514	162918	0.48	100	99.0	90	110	
Al	27	2	He	100.044	6.227	68814	5.92	100	100.0	90	110	
B	11	1	No Gas	509.631	1.558	1221615	0.50	500	101.9	90	110	
Al	27	1	No Gas	105.617	0.626	2109834	1.51	100	105.6	90	110	
Si	28	1	No Gas	572.974	0.262	6347760	1.63	5000	11.5	90	110	CCV Main CR1-2 Failed
Ag	107	1	No Gas	101.645	2.335	2002160	1.64	100	101.6	90	110	
Cd	111	1	No Gas	101.521	2.086	408698	1.43	100	101.5	90	110	
Sr	88	1	No Gas	102.687	1.349	4168614	0.78	100	102.7	90	110	
Mo	95	1	No Gas	101.512	2.088	830020	1.50	100	101.5	90	110	
Sn	118	1	No Gas	101.935	1.698	1257068	1.15	100	101.9	90	110	
Sb	121	1	No Gas	105.290	2.248	1732655	0.83	100	105.3	90	110	
Ba	137	1	No Gas	102.884	2.683	698912	2.00	100	102.9	90	110	
Tl	205	1	No Gas	98.364	9.936	3163713	3.36	100	98.4	90	110	
Tl	203	1	No Gas	96.065	9.276	1324559	2.47	100	96.1	90	110	
Pb	208	1	No Gas	98.643	8.790	4679328	2.80	100	98.6	90	110	
U	238	1	No Gas	97.407	9.182	4595689	3.05	100	97.4	90	110	
Ca	43	2	He	9735.761	1.638	39270	1.59	10000	97.4	90	110	
Sb	121	2	He	98.538	0.541	896993	0.58	100	98.5	90	110	
Ti	47	2	He	97.668	1.611	34991	1.55	100	97.7	90	110	
Cu	63	1	No Gas	101.640	0.955	1442844	2.67	100	101.6	90	110	
Se	82	1	No Gas	101.615	2.164	30811	0.29	100	101.6	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	976615	1.11	1347953	72.45	70	120	
Ge	72	2	He	902940	0.06	1047186	86.23	70	120	
Ge	72	1	No Gas	2879615	1.86	3504068	82.18	70	120	
In	115	1	No Gas	3395957	0.80	4101195	82.80	70	120	
Bi	209	1	No Gas	2983340	7.27	3488917	85.51	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	381_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T23:53:49-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	322CALB.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
Li	7	1	No Gas	0.525	3.9	75667	0.1	0.5	CCB Main CR1 Failed
Be	9	1	No Gas	0.012	32.0	63	25.4	0.5	
V	51	2	He	-0.044	-31.9	4786	2.8	2.5	
Cr	52	2	He	-0.111	-57.8	26292	1.7	2.5	
Fe	56	2	He	1.476	15.0	44165	4.1	100	
Se	78	2	He	0.290	13.2	205	3.7	2	
As	75	2	He	0.015	323.1	338	19.4	2.5	
Ca	44	2	He	-8.483	-13.9	1697	4.2	100	
Na	23	2	He	68.353	1.5	180488	0.8	100	
Mg	24	2	He	3.891	8.6	5081	5.3	100	
K	39	2	He	3.827	63.9	149715	1.7	100	
Mn	55	2	He	0.029	31.8	1140	6.1	2.5	
Co	59	2	He	0.007	19.5	230	7.5	2.5	
Ni	60	2	He	-0.005	-83.5	667	2.3	2.5	
Cu	63	2	He	-0.009	-46.7	597	5.1	2	
Zn	66	2	He	-0.074	-58.5	1934	4.0	2.5	
Al	27	2	He	-2.798	-3.1	1340	3.7	5	
B	11	1	No Gas	4.989	11.8	49229	3.2	0.5	CCB Main CR1 Failed
Al	27	1	No Gas	-3.095	-0.3	45783	2.5	5	
Si	28	1	No Gas	2.808	32.2	493050	0.8	10	
Ag	107	1	No Gas	0.009	22.6	330	12.1	2.5	
Cd	111	1	No Gas	0.016	1.1	39	1.9	1	
Sr	88	1	No Gas	0.069	10.5	7692	4.0	2.5	
Mo	95	1	No Gas	0.070	32.2	1477	12.9	2.5	
Sn	118	1	No Gas	0.181	10.8	4341	5.6	5	
Sb	121	1	No Gas	0.113	11.0	2214	11.4	2.5	
Ba	137	1	No Gas	-0.081	-11.5	563	11.6	2.5	
Tl	205	1	No Gas	0.712	36.4	24244	43.2	1	
Tl	203	1	No Gas	0.719	34.5	10475	41.6	1	
Pb	208	1	No Gas	0.017	53.7	2117	28.5	2.5	
U	238	1	No Gas	0.031	29.7	1610	36.1	2.5	
Ca	43	2	He	-7.588	-96.9	103	29.6	100	
Sb	121	2	He	0.069	10.9	773	8.8	2.5	
Ti	47	2	He	-0.018	-86.7	17	34.6	2.5	
Cu	63	1	No Gas	0.050	13.5	2184	5.4	2.5	
Se	82	1	No Gas	0.027	832.9	159	44.3	2	

QC ISTD Table

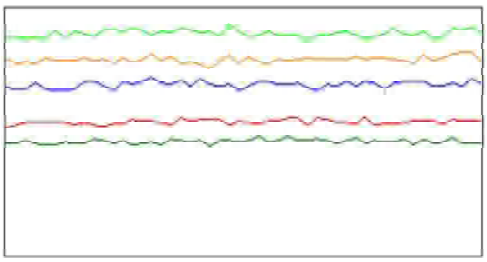
Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1016480	0.42	1347953	75.41	70	120	
Ge	72	2	He	917315	0.58	1047186	87.60	70	120	
Ge	72	1	No Gas	2956907	2.13	3504068	84.38	70	120	
In	115	1	No Gas	3482520	0.11	4101195	84.91	70	120	
Bi	209	1	No Gas	3051140	7.40	3488917	87.45	70	120	

Tune Check Report

Operator Name	ALSHS NoUser
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq. Date-Time	6/20/2023 8:56:32 AM
Report Comment	---
Instrument Name	G8421A SG18523544

[No Gas]

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	5438	54380.42		
24	20000	18007	180074.88		
59	50000	34707	347070.91		
115	50000	39758	397582.37		
208	50000	23226	232257.58		

Mass	Resp Ratio	Resp Ratio (Required)	Resp Ratio (Flag)
9		-	
24		-	
59		-	
115		-	
208		-	

Mass	RSD%	RSD% (Required)	RSD% (Flag)
9	1.780	5.000	
24	1.688	5.000	
59	1.807	5.000	
115	1.669	5.000	
208	1.956	5.000	

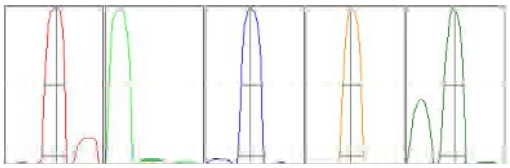
Mass	Background	Background (Required)	Background (Flag)
9	1.300		
24	2.400		
59	1.300		
115	1.300		
208	4.100		

Oxide/Doubly Charged Ratio

Oxide	156 / 140 1.445 %
Doubly Charged	70 / 140 1.161 %

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	5532.22	9.10	8.90 - 9.10	
24	17912.44	23.95	23.90 - 24.10	
59	35047.96	58.90	58.90 - 59.10	
115	40252.21	114.90	114.90 - 115.10	
208	23207.59	208.00	207.90 - 208.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.63	0.742		
24	0.66	0.771		
59	0.61	0.774		
115	0.55	0.731		
208	0.60	0.787		

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.57 L/min	Dilution Gas	0.50 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	9.0 V	Deflect	15.5 V
Extract 2	-200.0 V	Cell Entrance	-30 V	Plate Bias	-50 V
Omega Bias	-90 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	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	133	Axis Gain	1.0003	QP Bias	-3.0 V
Mass Offset	125	Axis Offset	0.09		

Hardware Settings

Torch

Torch H	0.6 mm	Torch V	-0.8 mm

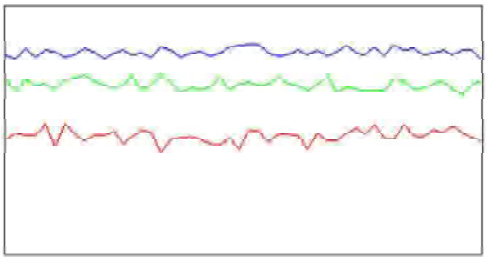
EM

Discriminator	5.0 mV	Analog HV	3042 V	Pulse HV	1666 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	239	2389.80		
24	2000	1372	13717.90		
59	20000	16330	163298.29		

Mass	Resp Ratio	Resp Ratio (Required)	Resp Ratio (Flag)
9		-	
24		-	
59		-	

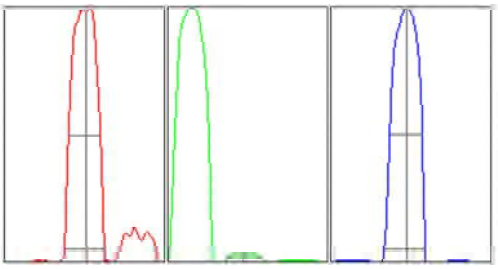
Mass	RSD%	RSD% (Required)	RSD% (Flag)
9	5.557	5.000	Fail
24	3.027	5.000	
59	1.888	5.000	

Mass	Background	Background (Required)	Background (Flag)
9	0.100		
24	0.200		
59	0.400		

Oxide/Doubly Charged Ratio

Oxide	156 / 140 2.255 %
Doubly Charged	70 / 140 1.141 %

Resolution/Axis



Integration Time [sec]	0.1
Acquisition Time [sec]	22.24
Y Axis	Linear

Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	231.28	9.05	8.90 - 9.10	
24	1360.71	23.95	23.90 - 24.10	
59	16336.88	58.95	58.90 - 59.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.61	0.741		
24	0.66	0.769		

Tune Check Report

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
59	0.61	0.770		

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.57 L/min	Dilution Gas	0.50 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	9.5 V	Deflect	0.9 V
Extract 2	-200.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-90 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	3.0 V
He Flow	3.8 mL/min	OctP Bias	-18.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	133	Axis Gain	1.0003	QP Bias	-15.0 V
Mass Offset	125	Axis Offset	0.09		

Hardware Settings

Torch

Torch H	0.6 mm	Torch V	-0.8 mm

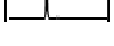
EM

Discriminator	5.0 mV	Analog HV	3042 V	Pulse HV	1666 V

HS23060280 Wetchem 9056_W

ALS WO# HS23060280

Sequence: 060623
Last Update Operator: alshs.nouser

CD	Name	Comment	Type	Position	Dilution	Level	Instrument Method
	STD1		Calibratio	BA1	1.00	1	Anions Program ISO37mM 150mm short 0.4 Constant current
	STD2		Calibratio	BA2	1.00	2	Anions Program ISO37mM 150mm short 0.4 Constant current
	STD3		Calibratio	BA3	1.00	3	Anions Program ISO37mM 150mm short 0.4 Constant current
	STD4		Calibratio	BA4	1.00	4	Anions Program ISO37mM 150mm short 0.4 Constant current
	STD5		Calibratio	BA5	1.00	5	Anions Program ISO37mM 150mm short 0.4 Constant current
	STD6		Calibratio	BA6	1.00	6	Anions Program ISO37mM 150mm short 0.4 Constant current
	ICV		Unknown	BA7	1.00		Anions Program ISO37mM 150mm short 0.4 Constant current
	ICB		Unknown	BA8	1.00		Anions Program ISO37mM 150mm short 0.4 Constant current
	CCV		Unknown	R1	1.00		Anions Program ISO37mM 150mm short 0.4 Constant current
	CCB		Unknown	R6	1.00		Anions Program ISO37mM 150mm short 0.4 Constant current
	MBLK	9056-W-SH	Unknown	R5	1.00		Anions Program ISO37mM 150mm short 0.4 Constant current
	LCS		Unknown	R2	1.00		Anions Program ISO37mM 150mm short 0.4 Constant current
	HS23060280-01		Unknown	GE1	1.00		Anions Program ISO37mM 150mm short 0.4 Constant current
	HS23060280-01DF20		Unknown	GE2	20.00		Anions Program ISO37mM 150mm short 0.4 Constant current
	HS23060280-02		Unknown	GE3	1.00		Anions Program ISO37mM 150mm short 0.4 Constant current
	HS23060280-02DF20		Unknown	GE4	20.00		Anions Program ISO37mM 150mm short 0.4 Constant current
	CCV1		Unknown	R3	1.00		Anions Program ISO37mM 150mm short 0.4 Constant current
	CCB		Unknown	R7	1.00		Anions Program ISO37mM 150mm short 0.4 Constant current
	HS23060280-03DF2		Unknown	GE5	2.00		Anions Program ISO37mM 150mm short 0.4 Constant current
	HS23060280-03DF50		Unknown	GE6	50.00		Anions Program ISO37mM 150mm short 0.4 Constant current
	HS23060280-04		Unknown	GE7	1.00		Anions Program ISO37mM 150mm short 0.4 Constant current
	HS23060280-04DF20		Unknown	GE8	20.00		Anions Program ISO37mM 150mm short 0.4 Constant current
	HS23060280-05DF2		Unknown	BA1	2.00		Anions Program ISO37mM 150mm short 0.4 Constant current
	HS23060280-05DF50		Unknown	BA2	50.00		Anions Program ISO37mM 150mm short 0.4 Constant current
	HS23060280-06		Unknown	BA3	1.00		Anions Program ISO37mM 150mm short 0.4 Constant current
	HS23060280-06DF20		Unknown	BA4	20.00		Anions Program ISO37mM 150mm short 0.4 Constant current
	CCV		Unknown	R1	1.00		Anions Program ISO37mM 150mm short 0.4 Constant current
	CCB		Unknown	R6	1.00		Anions Program ISO37mM 150mm short 0.4 Constant current
	HS23051918-01DF200		Unknown	BA7	200.00		Anions Program ISO37mM 150mm short 0.4 Constant current

Sequence: 060623
Last Update Operator: alshs.nouser

CD	Name	Comment	Type	Position	Dilution	Level	Instrument Method
	HS23051918-01MSDF2(		Unknowr	BA8	200.00		Anions Program ISO37mM 150mm short 0.4 Constant current
	HS23051918-01MSDDF		Unknowr	BB1	200.00		Anions Program ISO37mM 150mm short 0.4 Constant current
	CCV1		Unknowr	R3	1.00		Anions Program ISO37mM 150mm short 0.4 Constant current
	CCB		Unknowr	R7	1.00		Anions Program ISO37mM 150mm short 0.4 Constant current

Sequence: 060623
Last Update Operator: alshs.nouser

Processing Method	CD	Name	me	Status	Inject Time
Anions Processing Method ISO		STD1	5.0	Finished	5/23/2023 2:40:38 PM -05:00
Anions Processing Method ISO		STD2	5.0	Finished	5/23/2023 2:46:28 PM -05:00
Anions Processing Method ISO		STD3	5.0	Finished	5/23/2023 2:52:17 PM -05:00
Anions Processing Method ISO		STD4	5.0	Finished	5/23/2023 2:58:07 PM -05:00
Anions Processing Method ISO		STD5	5.0	Finished	5/23/2023 3:03:57 PM -05:00
Anions Processing Method ISO		STD6	5.0	Finished	5/23/2023 3:09:46 PM -05:00
Anions Processing Method ISO		ICV	5.0	Finished	5/23/2023 3:21:25 PM -05:00
Anions Processing Method ISO		ICB	5.0	Finished	5/23/2023 3:33:05 PM -05:00
Anions Processing Method ISO		CCV	5.0	Finished	6/6/2023 6:20:22 PM -05:00
Anions Processing Method ISO		CCB	5.0	Finished	6/6/2023 6:26:11 PM -05:00
Anions Processing Method ISO		MBLK	5.0	Finished	6/6/2023 7:18:44 PM -05:00
Anions Processing Method ISO		LCS	5.0	Finished	6/6/2023 7:24:33 PM -05:00
Anions Processing Method ISO		HS23060280-01	5.0	Finished	6/6/2023 7:30:22 PM -05:00
Anions Processing Method ISO		HS23060280-01DF20	5.0	Finished	6/6/2023 7:36:11 PM -05:00
Anions Processing Method ISO		HS23060280-02	5.0	Finished	6/6/2023 7:42:00 PM -05:00
Anions Processing Method ISO		HS23060280-02DF20	5.0	Finished	6/6/2023 7:47:49 PM -05:00
Anions Processing Method ISO		CCV1	5.0	Finished	6/6/2023 7:59:27 PM -05:00
Anions Processing Method ISO		CCB	5.0	Finished	6/6/2023 8:05:16 PM -05:00
Anions Processing Method ISO		HS23060280-03DF2	5.0	Finished	6/6/2023 8:16:54 PM -05:00
Anions Processing Method ISO		HS23060280-03DF50	5.0	Finished	6/6/2023 8:22:43 PM -05:00
Anions Processing Method ISO		HS23060280-04	5.0	Finished	6/6/2023 8:28:32 PM -05:00
Anions Processing Method ISO		HS23060280-04DF20	5.0	Finished	6/6/2023 8:34:20 PM -05:00
Anions Processing Method ISO		HS23060280-05DF2	5.0	Finished	6/6/2023 8:40:09 PM -05:00
Anions Processing Method ISO		HS23060280-05DF50	5.0	Finished	6/6/2023 8:45:58 PM -05:00
Anions Processing Method ISO		HS23060280-06	5.0	Finished	6/6/2023 8:51:47 PM -05:00
Anions Processing Method ISO		HS23060280-06DF20	5.0	Finished	6/6/2023 8:57:36 PM -05:00
Anions Processing Method ISO		CCV	5.0	Finished	6/6/2023 9:26:40 PM -05:00
Anions Processing Method ISO		CCB	5.0	Finished	6/6/2023 9:32:28 PM -05:00
Anions Processing Method ISO		HS23051918-01DF200	5.0	Finished	6/6/2023 9:44:06 PM -05:00

Sequence: 060623
Last Update Operator: alshs.nouser

Processing Method	CD	Name	me	Status	Inject Time
Anions Processing Method ISO		HS23051918-01MSDF2(	5.0	Finished	6/6/2023 9:49:55 PM -05:00
Anions Processing Method ISO		HS23051918-01MSDDF.	5.0	Finished	6/6/2023 9:55:44 PM -05:00
Anions Processing Method ISO		CCV1	5.0	Finished	6/6/2023 10:24:48 PM -05:00
Anions Processing Method ISO		CCB	5.0	Finished	6/6/2023 10:30:37 PM -05:00

Sequence: 052523
Injection #6: STD6

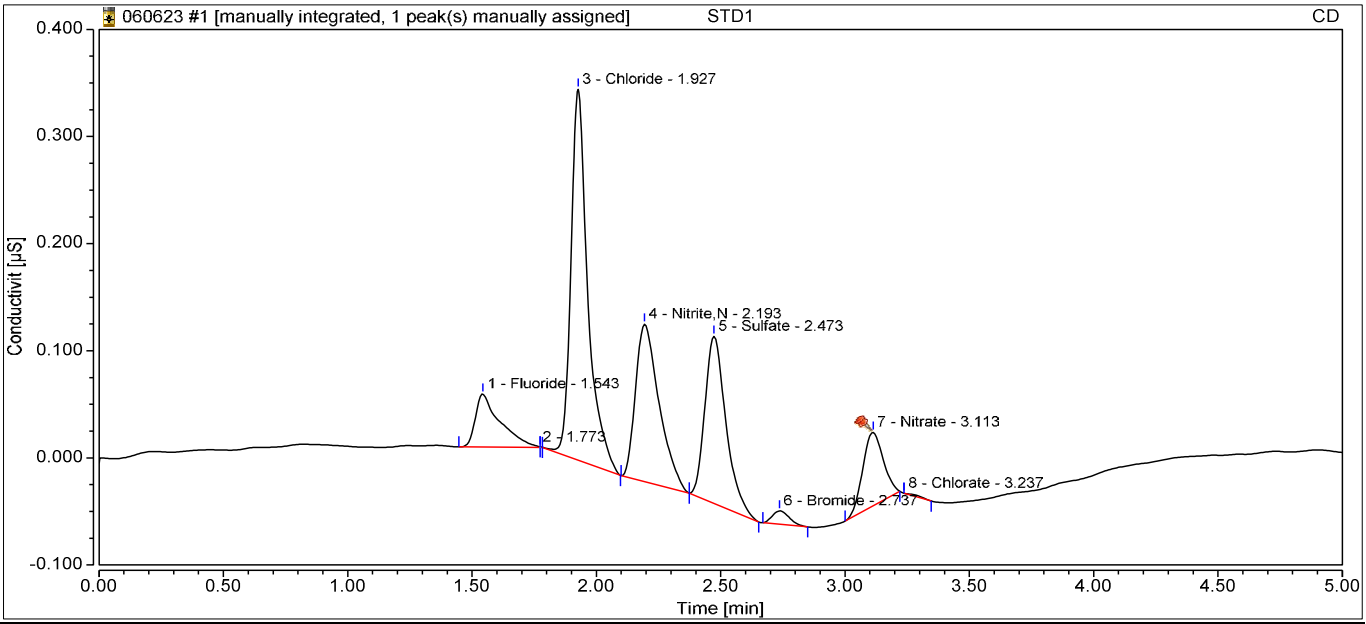
Calibration

Peak No.	Peak Name	Cal.Type	Eval.Type	Number of Points	Rel.Std.Dev. %	Coeff.of Determination	C0 (Offset)	C1 (Slope)	C2 (Curve)
1	Fluoride	Lin, WithOffset, 1/A	Area	6	83.9625	0.98326	-0.0293	0.2016	0.0000
2	Chloride	Lin, WithOffset, 1/A	Area	6	26.3672	0.99783	-0.0819	0.1581	0.0000
3	***Nitrite,N***	***Quad, WithOffset, 1/A***	***Area***	***6***	***18.2290***	***0.99886***	***-0.0236***	***0.3308***	***-0.0039***
4	Sulfate	Lin, WithOffset, 1/A	Area	6	13.3771	0.99939	-0.0492	0.1098	0.0000
5	Bromide	Lin, WithOffset, 1/A	Area	6	25.7663	0.99803	-0.0064	0.0574	0.0000
6	Nitrate	Lin, WithOffset, 1/A	Area	6	23.5280	0.99835	-0.0371	0.3323	0.0000
7	Chlorate	Quad, WithOffset, 1/A	Area	6	22.2900	0.99884	-0.0032	0.0268	-0.0002
n.a.	Phosphate	Lin, WithOffset, 1/A	Area	0	n.a.	n.a.	n.a.	n.a.	n.a.
Maximum					**83.9625**	0.99939			
Minimum					13.3771	**0.98326**			

1 STD1

Sample Name:	**STD1**	*Injection Volume:*	**5.00**
Vial Number:	**BA1**	*Channel:*	**CD**
Sample Type:	**Calibration Standard**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**1.0000**
Recording Time:	**05/23/2023 14:40**	*Sample Weight:*	**1.0000**

Run Time:



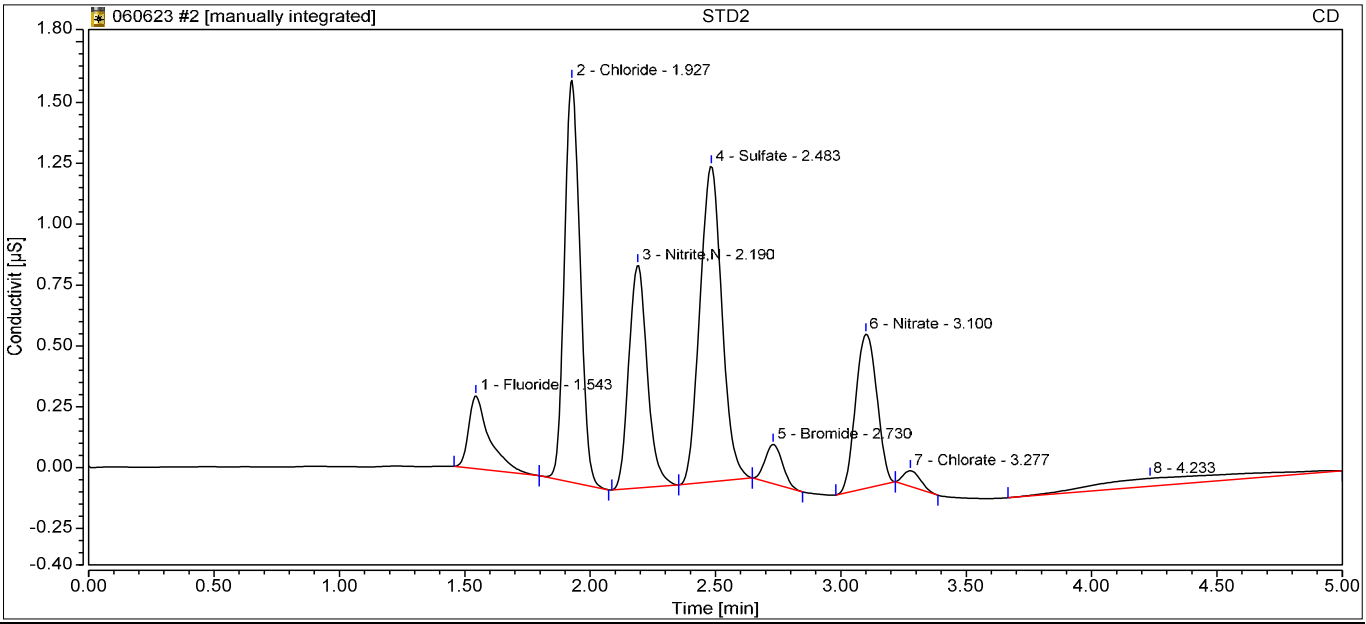
Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
1	1.54	Fluoride	BM *	0.006	0.1735	0.1735	1.0000
3	1.93	Chloride	BMB	0.027	0.6897	0.6897	1.0000
4	2.19	Nitrite,N	BMB	0.016	0.1203	0.1203	1.0000
5	2.47	Sulfate	BMB	0.015	0.5877	0.5877	1.0000
6	2.74	Bromide	BMB*	0.001	0.1291	0.1291	1.0000
7	3.11	Nitrate	BMB*^	0.007	0.1315	0.1315	1.0000
8	3.24	Chlorate	BMB*	0.000	0.1228	0.1228	1.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	1.0000
Total:			**0.000**	**0.072**		**1.95**	

2 STD2

Sample Name:	**STD2**	*Injection Volume:*	**5.00**
Vial Number:	**BA2**	*Channel:*	**CD**
Sample Type:	**Calibration Standard**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**1.0000**
Recording Time:	**05/23/2023 14:46**	*Sample Weight:*	**1.0000**

Run Time:



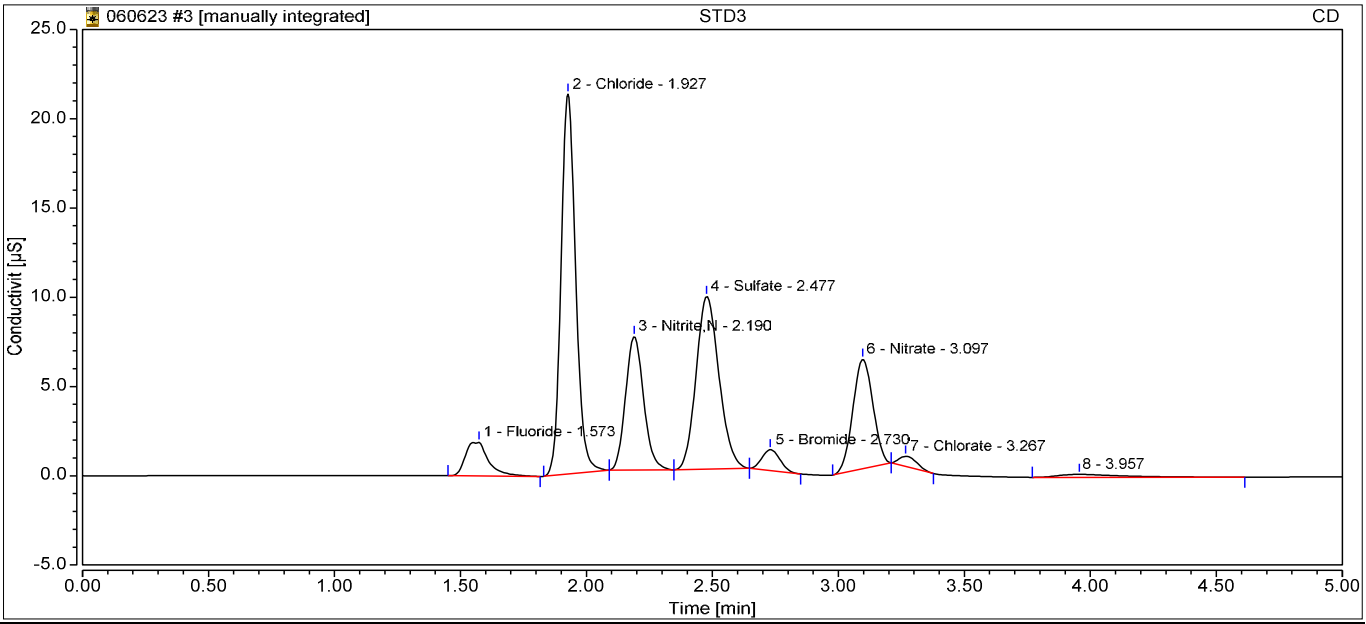
Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
1	1.54	Fluoride	BMB*	0.029	0.2885	0.2885	1.0000
2	1.93	Chloride	BMB	0.119	1.2711	1.2711	1.0000
3	2.19	Nitrite,N	BMB	0.078	0.3097	0.3097	1.0000
4	2.48	Sulfate	BMB	0.132	1.6510	1.6510	1.0000
5	2.73	Bromide	BMB	0.013	0.3384	0.3384	1.0000
6	3.10	Nitrate	BMB	0.063	0.2999	0.2999	1.0000
7	3.28	Chlorate	BMB	0.005	0.3157	0.3157	1.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	1.0000
Total:			**0.000**	**0.439**		**4.47**	

3 STD3

Sample Name:	**STD3**	*Injection Volume:*	**5.00**
Vial Number:	**BA3**	*Channel:*	**CD**
Sample Type:	**Calibration Standard**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**1.0000**
Recording Time:	**05/23/2023 14:52**	*Sample Weight:*	**1.0000**

Run Time:



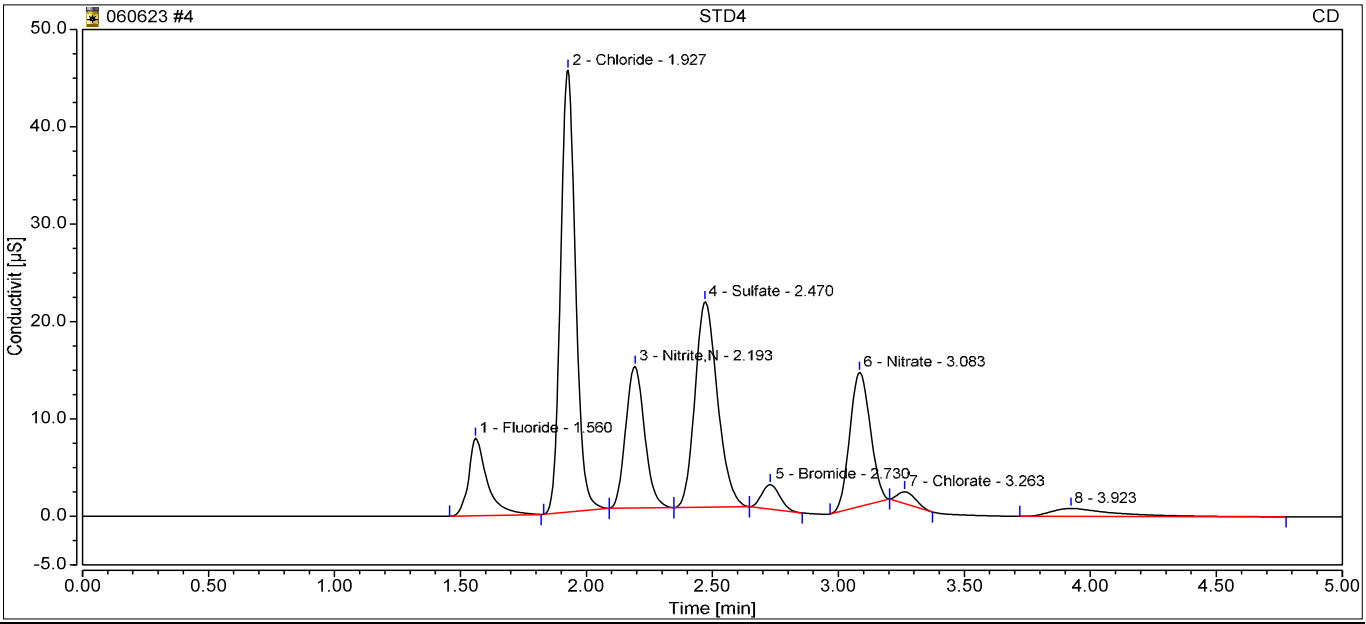
Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
1	1.57	Fluoride	BMB*	0.201	1.1411	1.1411	1.0000
2	1.93	Chloride	BMB	1.431	9.5666	9.5666	1.0000
3	2.19	Nitrite,N	BMB	0.622	1.9999	1.9999	1.0000
4	2.48	Sulfate	BMB	1.018	9.7219	9.7219	1.0000
5	2.73	Bromide	BMB	0.097	1.8046	1.8046	1.0000
6	3.10	Nitrate	BMB	0.567	1.8186	1.8186	1.0000
7	3.27	Chlorate	BMB	0.047	1.9131	1.9131	1.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	1.0000
Total:			**0.000**	**3.984**		**27.97**	

4 STD4

Sample Name:	**STD4**	*Injection Volume:*	**5.00**
Vial Number:	**BA4**	*Channel:*	**CD**
Sample Type:	**Calibration Standard**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**1.0000**
Recording Time:	**05/23/2023 14:58**	*Sample Weight:*	**1.0000**

Run Time:



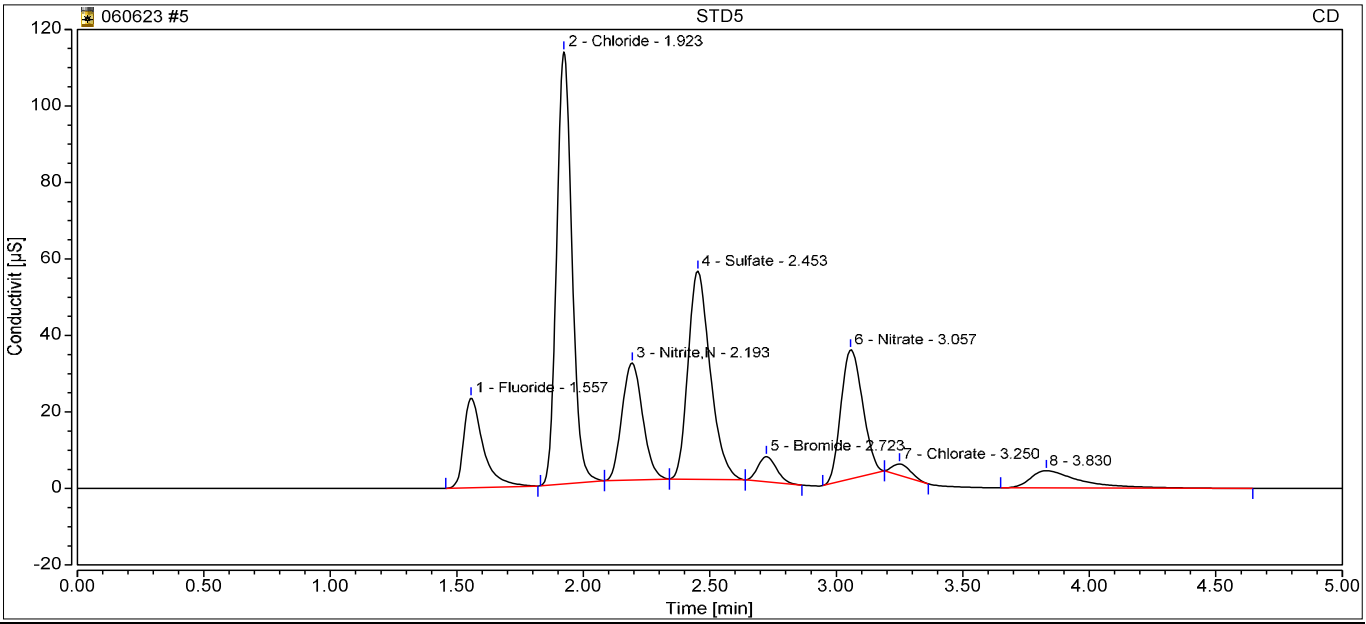
Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
1	1.56	Fluoride	BMB	0.680	3.5179	3.5179	1.0000
2	1.93	Chloride	BMB	3.133	20.3356	20.3356	1.0000
3	2.19	Nitrite,N	BMB	1.268	4.1039	4.1039	1.0000
4	2.47	Sulfate	BMB	2.187	20.3668	20.3668	1.0000
5	2.73	Bromide	BMB	0.210	3.7772	3.7772	1.0000
6	3.08	Nitrate	BMB	1.297	4.0160	4.0160	1.0000
7	3.26	Chlorate	BMB	0.102	4.0359	4.0359	1.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	1.0000
Total:			**0.000**	**8.878**		**60.15**	

5 STD5

Sample Name:	**STD5**	*Injection Volume:*	**5.00**
Vial Number:	**BA5**	*Channel:*	**CD**
Sample Type:	**Calibration Standard**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**1.0000**
Recording Time:	**05/23/2023 15:03**	*Sample Weight:*	**1.0000**

Run Time:



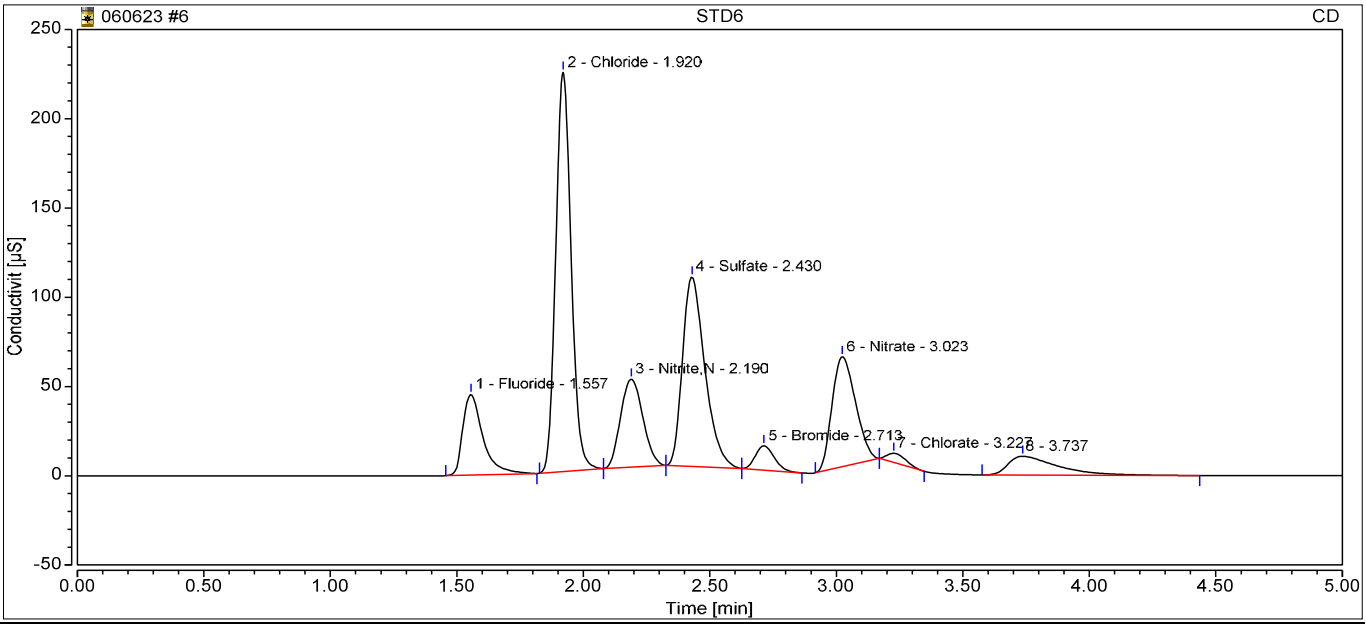
Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
1	1.56	Fluoride	BMB	2.087	10.4993	10.4993	1.0000
2	1.92	Chloride	BMB	7.907	50.5276	50.5276	1.0000
3	2.19	Nitrite,N	BMB	2.889	9.9806	9.9806	1.0000
4	2.45	Sulfate	BMB	5.516	50.6794	50.6794	1.0000
5	2.72	Bromide	BMB	0.561	9.8834	9.8834	1.0000
6	3.06	Nitrate	BMB	3.355	10.2088	10.2088	1.0000
7	3.25	Chlorate	BMB	0.252	10.2519	10.2519	1.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	1.0000
Total:			**0.000**	**22.567**		**152.03**	

6 STD6

Sample Name:	**STD6**	*Injection Volume:*	**5.00**
Vial Number:	**BA6**	*Channel:*	**CD**
Sample Type:	**Calibration Standard**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**1.0000**
Recording Time:	**05/23/2023 15:09**	*Sample Weight:*	**1.0000**

Run Time:



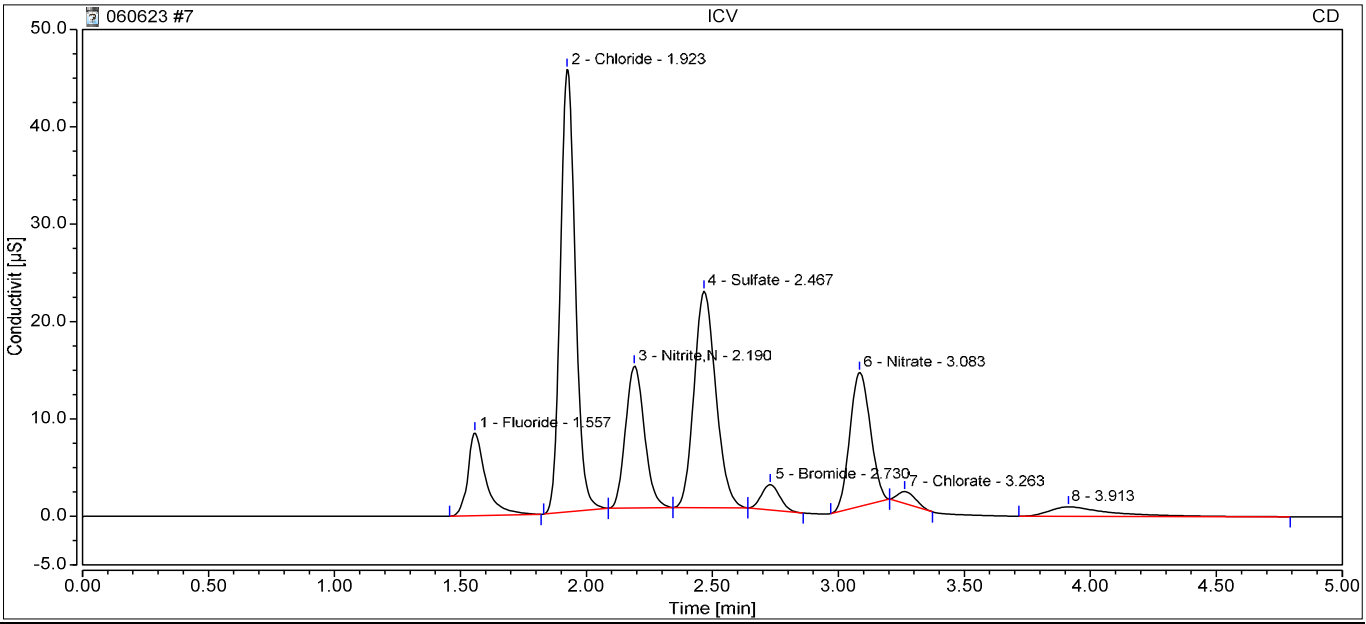
Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
1	1.56	Fluoride	BMB	4.180	20.8797	20.8797	1.0000
2	1.92	Chloride	BMB	15.747	100.1095	100.1095	1.0000
3	2.19	Nitrite,N	BMB	5.028	19.9817	19.9817	1.0000
4	2.43	Sulfate	BMB	10.876	99.4931	99.4931	1.0000
5	2.71	Bromide	BMB	1.174	20.5674	20.5674	1.0000
6	3.02	Nitrate	BMB	6.617	20.0252	20.0252	1.0000
7	3.23	Chlorate	BMB	0.457	19.8555	19.8555	1.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	1.0000
Total:			**0.000**	**44.079**		**300.91**	

7 ICV

Sample Name:	**ICV**	*Injection Volume:*	**5.00**
Vial Number:	**BA7**	*Channel:*	**CD**
Sample Type:	**Unknown**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**1.0000**
Recording Time:	**05/23/2023 15:21**	*Sample Weight:*	**1.0000**

Run Time:



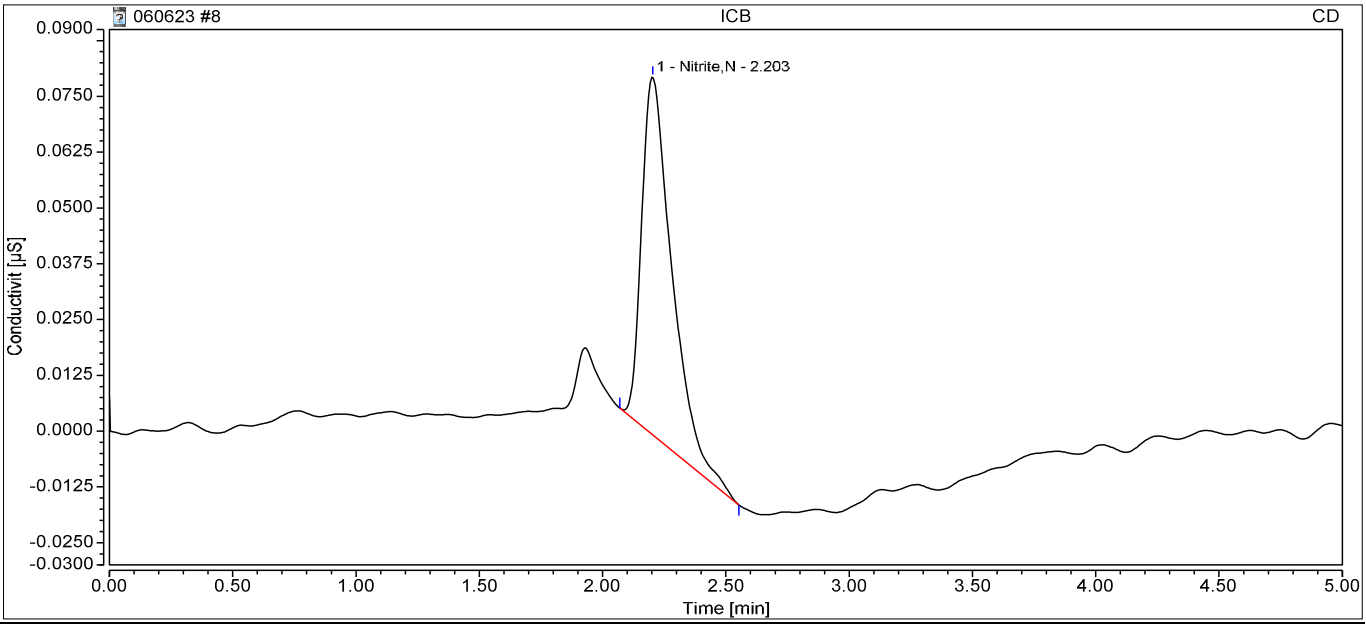
Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
1	1.56	Fluoride	BMB	0.702	3.6253	3.6253	1.0000
2	1.92	Chloride	BMB	3.139	20.3704	20.3704	1.0000
3	2.19	Nitrite,N	BMB	1.269	4.1072	4.1072	1.0000
4	2.47	Sulfate	BMB	2.215	20.6152	20.6152	1.0000
5	2.73	Bromide	BMB	0.219	3.9331	3.9331	1.0000
6	3.08	Nitrate	BMB	1.297	4.0156	4.0156	1.0000
7	3.26	Chlorate	BMB	0.104	4.1133	4.1133	1.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	1.0000
Total:			**0.000**	**8.944**		**60.78**	

8 ICB

Sample Name:	**ICB**	*Injection Volume:*	**5.00**
Vial Number:	**BA8**	*Channel:*	**CD**
Sample Type:	**Unknown**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**1.0000**
Recording Time:	**05/23/2023 15:33**	*Sample Weight:*	**1.0000**

Run Time:



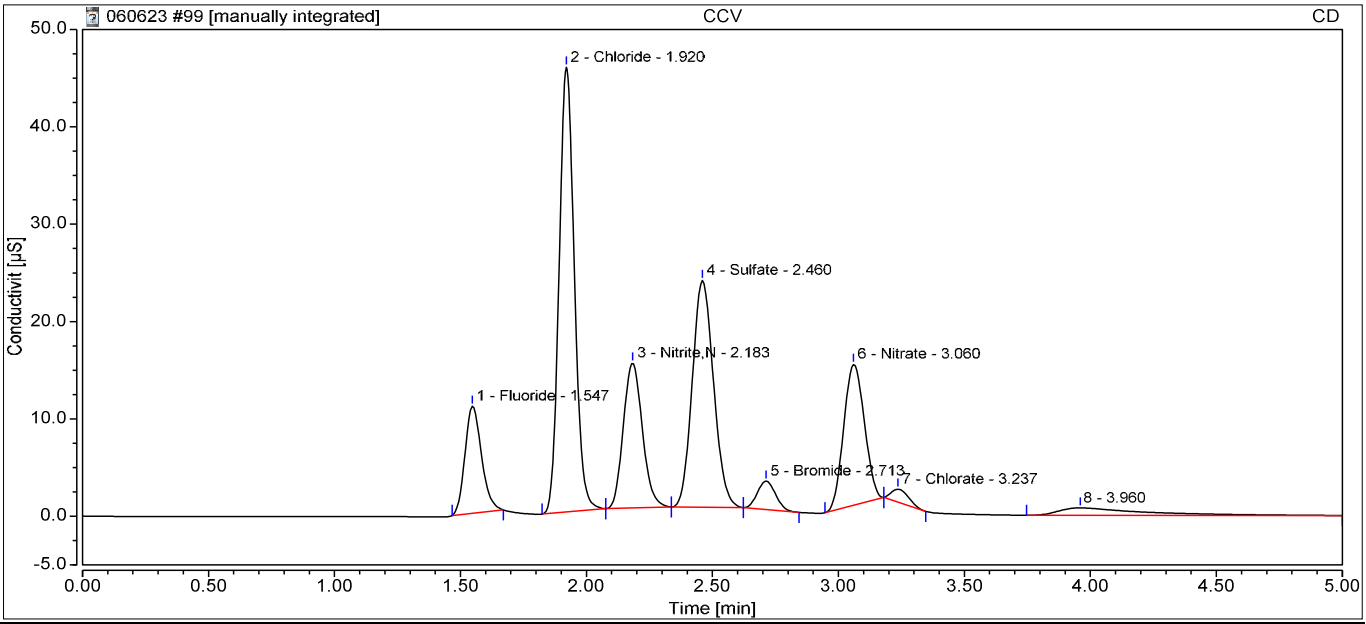
Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
n.a.	n.a.	Fluoride	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Chloride	n.a.	n.a.	n.a.	n.a.	1.0000
1	2.20	Nitrite,N	BMB	0.011	0.1062	0.1062	1.0000
n.a.	n.a.	Sulfate	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Bromide	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Nitrate	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Chlorate	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	1.0000
Total:			**0.000**	**0.011**		**0.11**	

99 CCV

Sample Name:	**CCV**	*Injection Volume:*	**5.00**
Vial Number:	**R1**	*Channel:*	**CD**
Sample Type:	**Unknown**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**1.0000**
Recording Time:	**06/06/2023 18:20**	*Sample Weight:*	**1.0000**

Run Time:



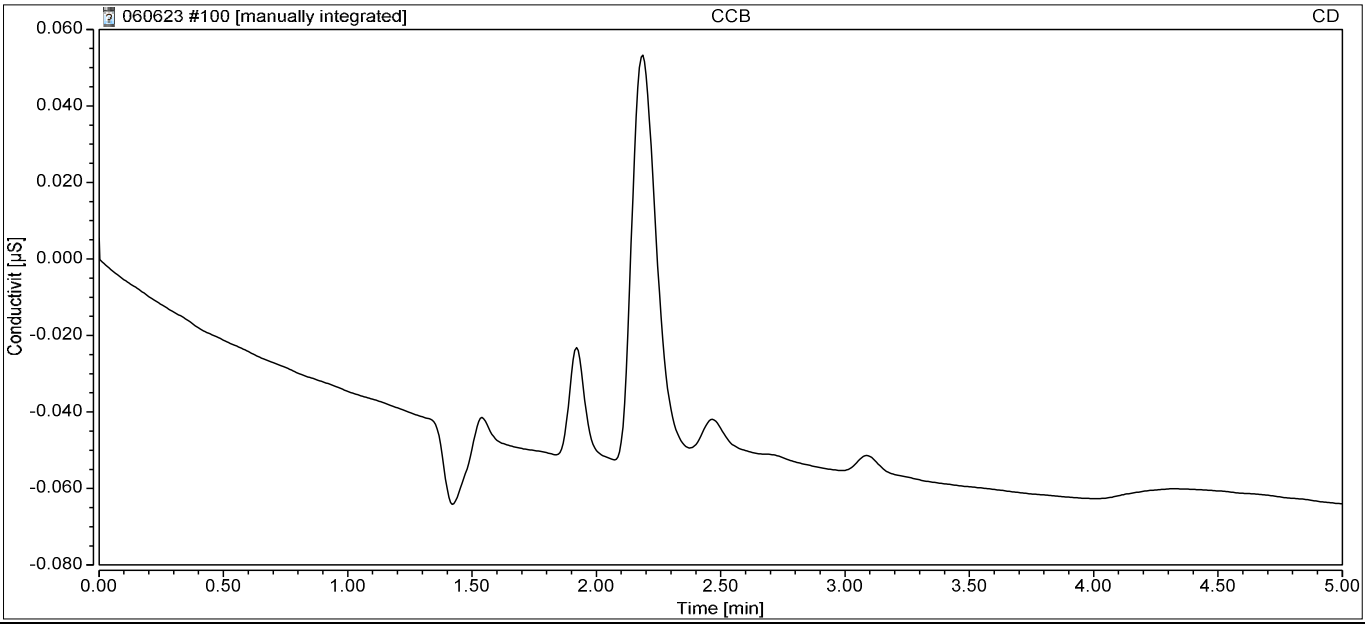
Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
1	1.55	Fluoride	BMB*	0.838	4.3010	4.3010	1.0000
2	1.92	Chloride	BMB	3.199	20.7488	20.7488	1.0000
3	2.18	Nitrite,N	BMB	1.306	4.2291	4.2291	1.0000
4	2.46	Sulfate	BMB	2.276	21.1724	21.1724	1.0000
5	2.71	Bromide	BMB	0.243	4.3527	4.3527	1.0000
6	3.06	Nitrate	BMB	1.380	4.2638	4.2638	1.0000
7	3.24	Chlorate	BMB	0.109	4.3312	4.3312	1.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	1.0000
Total:			**0.000**	**9.350**		**63.40**	

100 CCB

Sample Name:	**CCB**	*Injection Volume:*	**5.00**
Vial Number:	**R6**	*Channel:*	**CD**
Sample Type:	**Unknown**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**1.0000**
Recording Time:	**06/06/2023 18:26**	*Sample Weight:*	**1.0000**

Run Time:



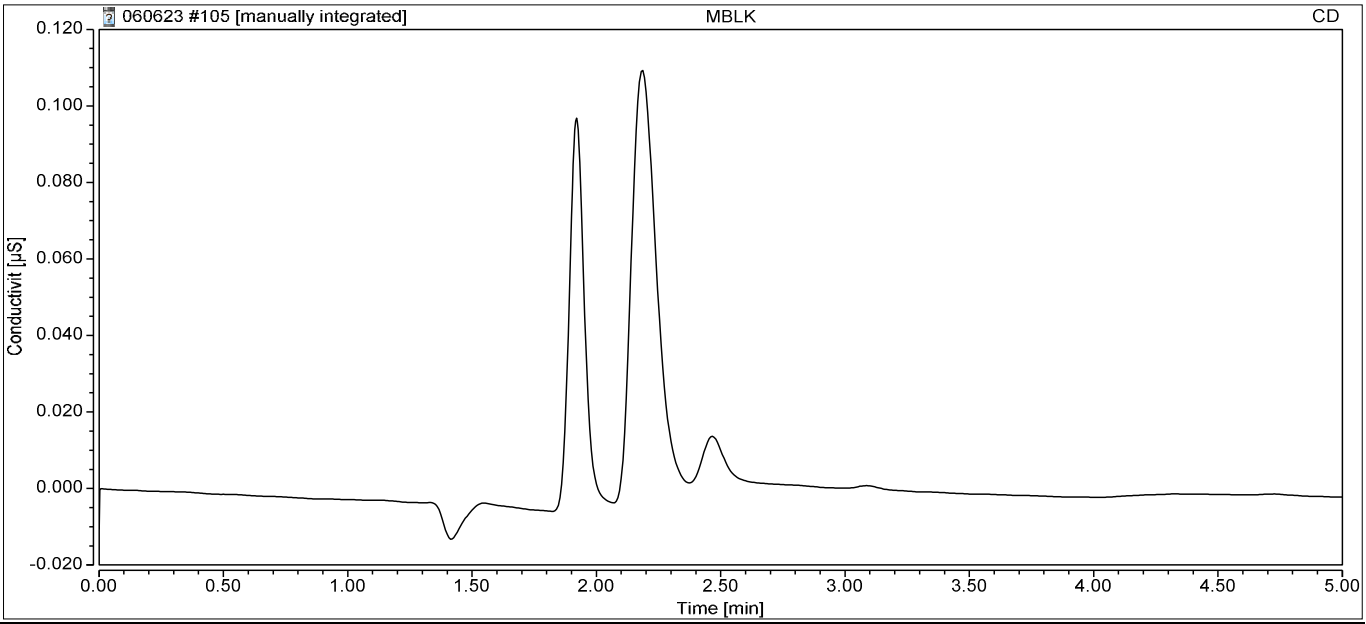
Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
n.a.	n.a.	Fluoride	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Chloride	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Nitrite,N	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Sulfate	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Bromide	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Nitrate	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Chlorate	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	1.0000
Total:			**0.000**	**0.000**		**0.00**	

105 MBLK

Sample Name:	**MBLK**	*Injection Volume:*	**5.00**
Vial Number:	**R5**	*Channel:*	**CD**
Sample Type:	**Unknown**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**1.0000**
Recording Time:	**06/06/2023 19:18**	*Sample Weight:*	**1.0000**

Run Time:



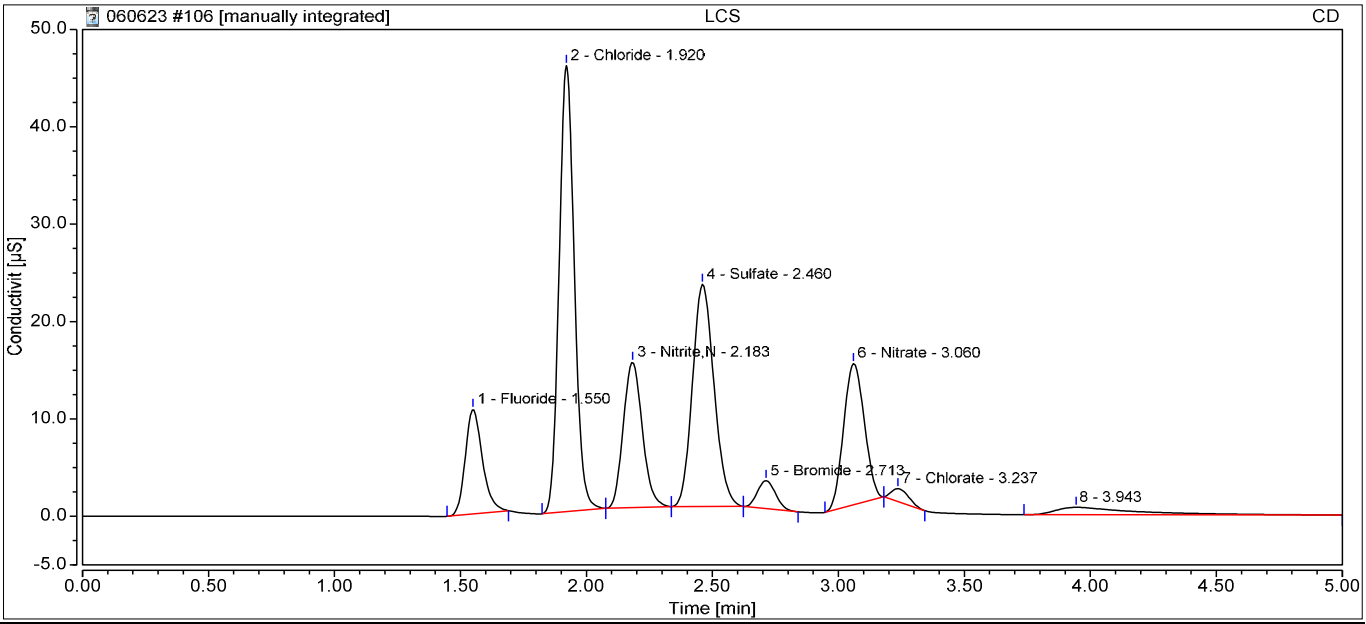
Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
n.a.	n.a.	Fluoride	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Chloride	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Nitrite,N	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Sulfate	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Bromide	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Nitrate	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Chlorate	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	1.0000
Total:			**0.000**	**0.000**		**0.00**	

106 LCS

Sample Name:	**LCS**	*Injection Volume:*	**5.00**
Vial Number:	**R2**	*Channel:*	**CD**
Sample Type:	**Unknown**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**1.0000**
Recording Time:	**06/06/2023 19:24**	*Sample Weight:*	**1.0000**

Run Time:

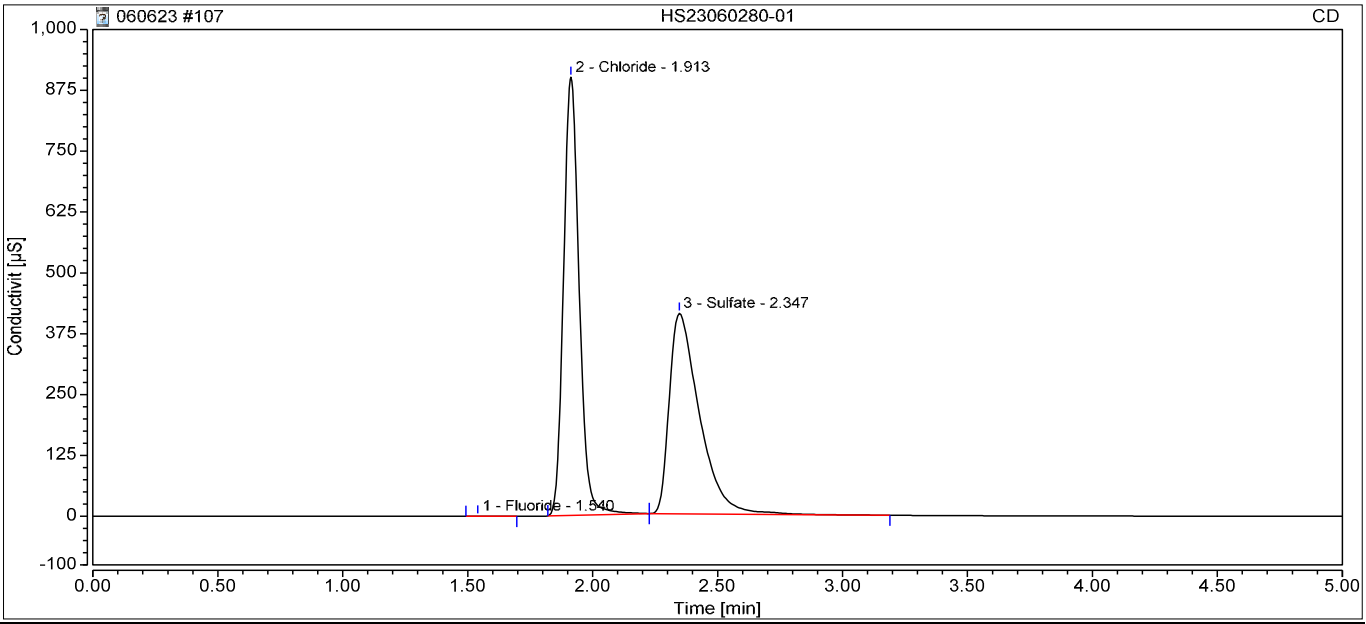


Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
1	1.55	Fluoride	BMB*	0.847	4.3442	4.3442	1.0000
2	1.92	Chloride	BMB	3.208	20.8062	20.8062	1.0000
3	2.18	Nitrite,N	BMB	1.310	4.2438	4.2438	1.0000
4	2.46	Sulfate	BMB	2.264	21.0685	21.0685	1.0000
5	2.71	Bromide	BMB	0.240	4.2896	4.2896	1.0000
6	3.06	Nitrate	BMB	1.382	4.2723	4.2723	1.0000
7	3.24	Chlorate	BMB	0.109	4.3295	4.3295	1.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	1.0000
Total:			**0.000**	**9.360**		**63.35**	

107 HS23060280-01			
Sample Name:	**HS23060280-01**	*Injection Volume:*	**5.00**
Vial Number:	**GE1**	*Channel:*	**CD**
Sample Type:	**Unknown**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**1.0000**
Recording Time:	**06/06/2023 19:30**	*Sample Weight:*	**1.0000**

Run Time:



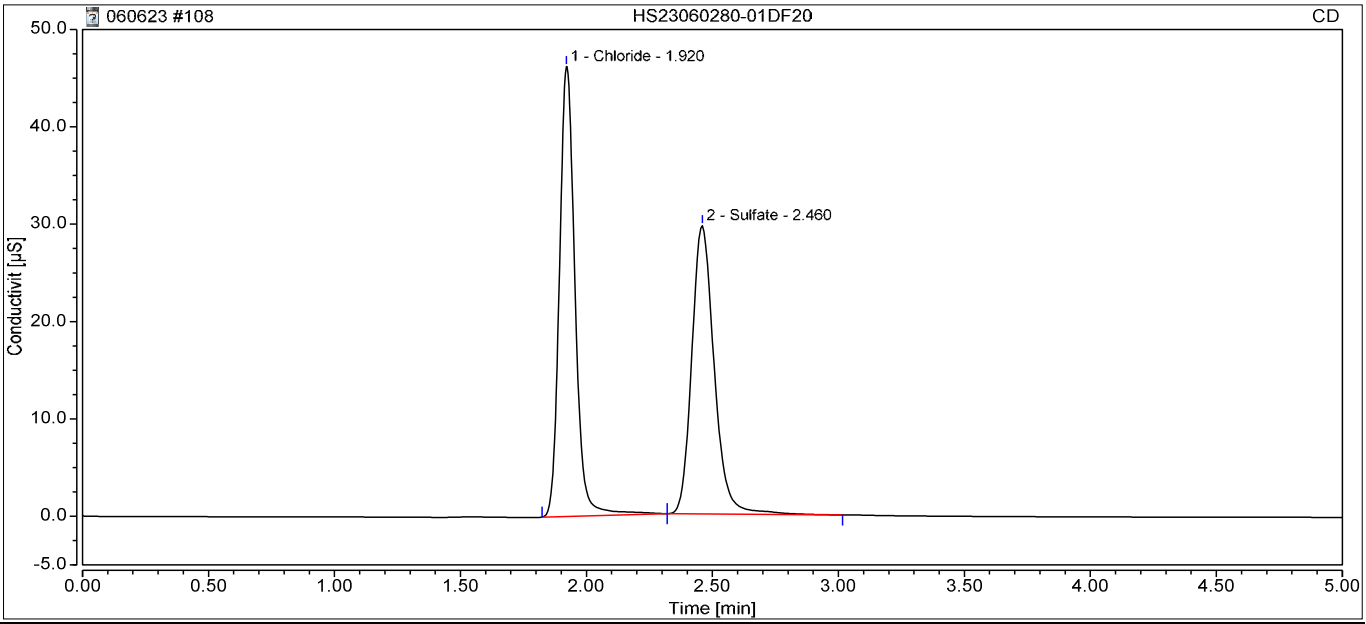
Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
1	1.54	Fluoride	BMB	0.022	0.2560	0.2560	1.0000
2	1.91	Chloride	BMB	65.337	413.7541	413.7541	1.0000
n.a.	n.a.	Nitrite,N	n.a.	n.a.	n.a.	n.a.	1.0000
3	2.35	Sulfate	BMB	57.453	523.6603	523.6603	1.0000
n.a.	n.a.	Bromide	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Nitrate	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Chlorate	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	1.0000
Total:			**0.000**	**122.813**		**937.67**	

108 HS23060280-01DF20

Sample Name:	**HS23060280-01DF20**	*Injection Volume:*	**5.00**
Vial Number:	**GE2**	*Channel:*	**CD**
Sample Type:	**Unknown**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**20.0000**
Recording Time:	**06/06/2023 19:36**	*Sample Weight:*	**1.0000**

Run Time:



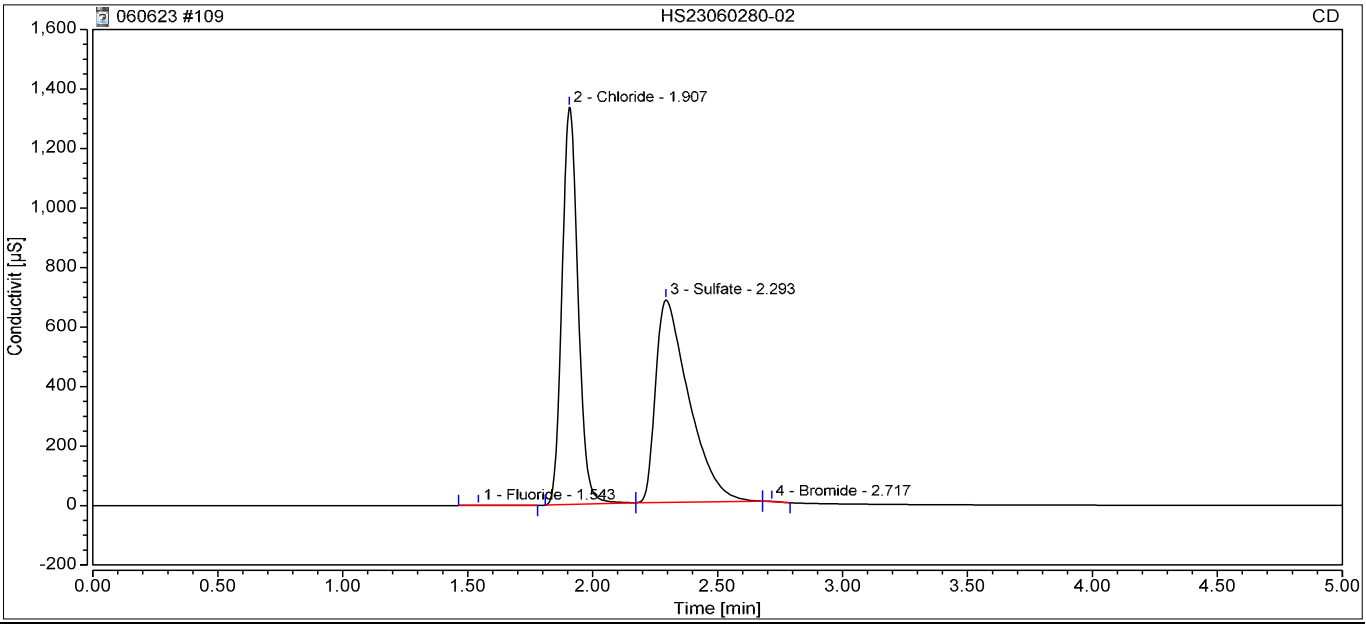
Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
n.a.	n.a.	Fluoride	n.a.	n.a.	n.a.	n.a.	20.0000
1	1.92	Chloride	BMB	3.321	21.5227	430.4542	20.0000
n.a.	n.a.	Nitrite,N	n.a.	n.a.	n.a.	n.a.	20.0000
2	2.46	Sulfate	BMB	3.061	28.3262	566.5234	20.0000
n.a.	n.a.	Bromide	n.a.	n.a.	n.a.	n.a.	20.0000
n.a.	n.a.	Nitrate	n.a.	n.a.	n.a.	n.a.	20.0000
n.a.	n.a.	Chlorate	n.a.	n.a.	n.a.	n.a.	20.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	20.0000
Total:			**0.000**	**6.382**		**996.98**	

109 HS23060280-02

Sample Name:	**HS23060280-02**	*Injection Volume:*	**5.00**
Vial Number:	**GE3**	*Channel:*	**CD**
Sample Type:	**Unknown**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**1.0000**
Recording Time:	**06/06/2023 19:42**	*Sample Weight:*	**1.0000**

Run Time:



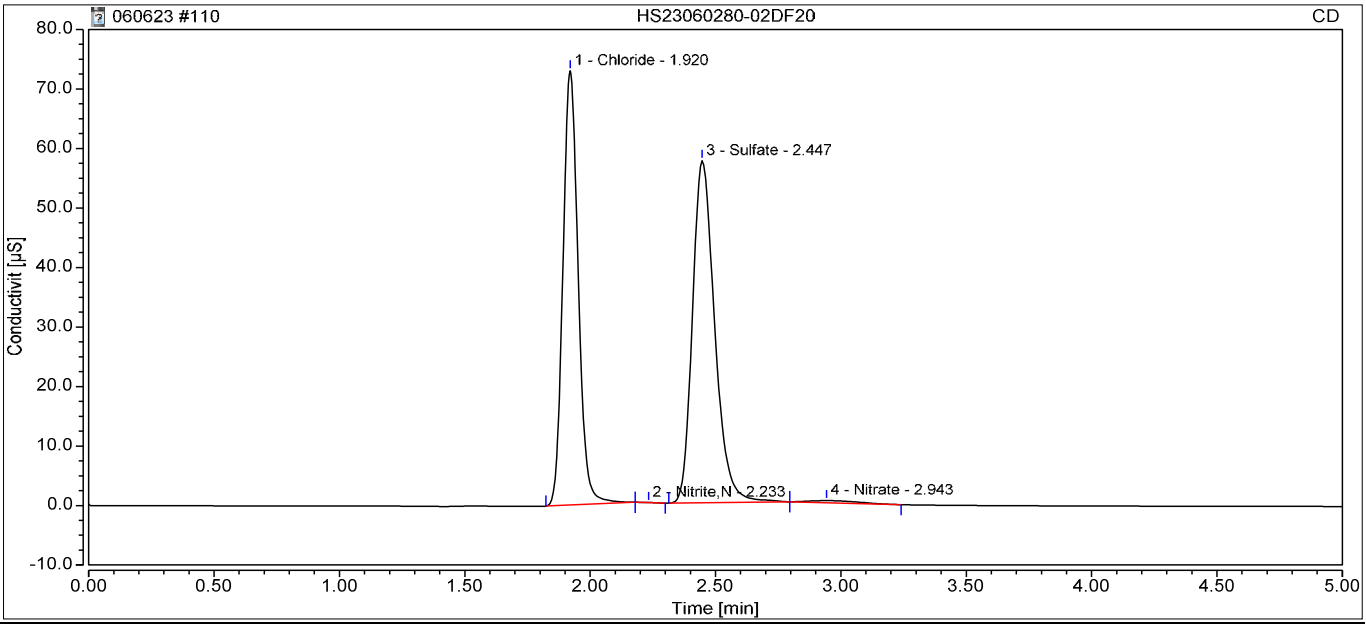
Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
1	1.54	Fluoride	BMB	0.070	0.4931	0.4931	1.0000
2	1.91	Chloride	BMB	99.356	628.9095	628.9095	1.0000
n.a.	n.a.	Nitrite,N	n.a.	n.a.	n.a.	n.a.	1.0000
3	2.29	Sulfate	BMB	104.836	955.1738	955.1738	1.0000
4	2.72	Bromide	BMB	0.058	1.1233	1.1233	1.0000
n.a.	n.a.	Nitrate	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Chlorate	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	1.0000
Total:			**0.000**	**204.321**		**1585.70**	

110 HS23060280-02DF20

Sample Name:	**HS23060280-02DF20**	*Injection Volume:*	**5.00**
Vial Number:	**GE4**	*Channel:*	**CD**
Sample Type:	**Unknown**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**20.0000**
Recording Time:	**06/06/2023 19:47**	*Sample Weight:*	**1.0000**

Run Time:



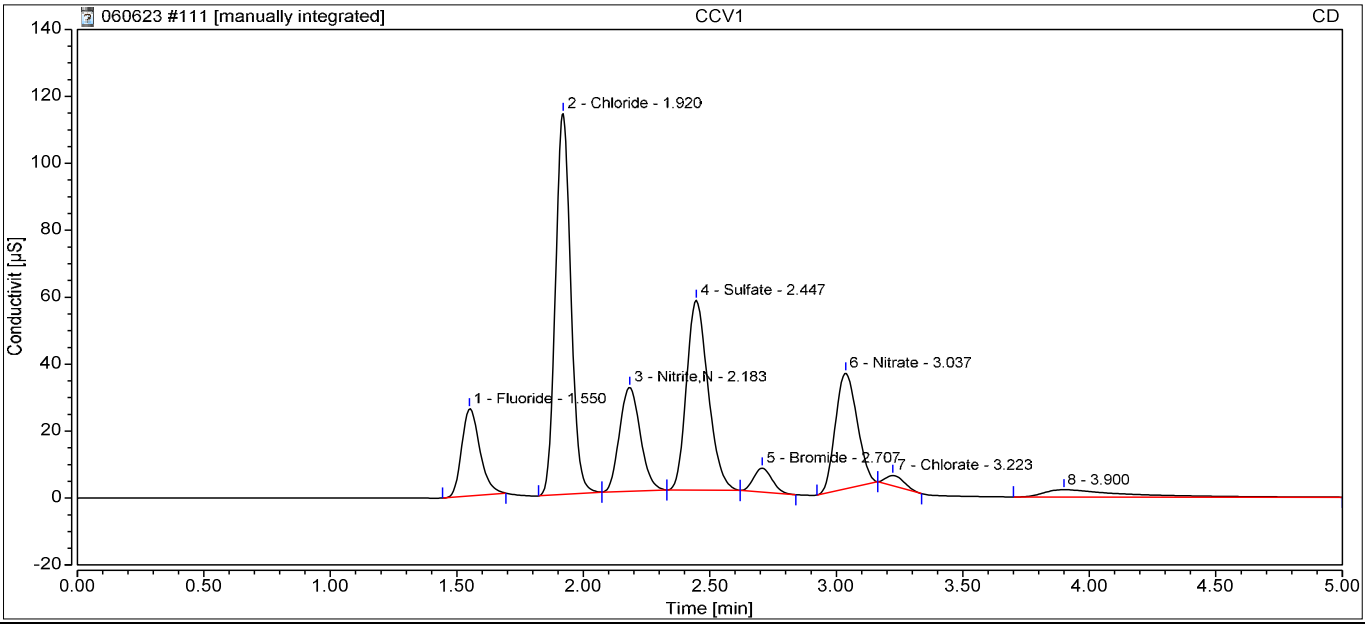
Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
n.a.	n.a.	Fluoride	n.a.	n.a.	n.a.	n.a.	20.0000
1	1.92	Chloride	BMB	5.145	33.0607	661.2136	20.0000
2	2.23	Nitrite,N	BMB	0.002	0.0778	1.5552	20.0000
3	2.45	Sulfate	BMB	5.910	54.2726	1085.4513	20.0000
n.a.	n.a.	Bromide	n.a.	n.a.	n.a.	n.a.	20.0000
4	2.94	Nitrate	BMB	0.080	0.3521	7.0421	20.0000
n.a.	n.a.	Chlorate	n.a.	n.a.	n.a.	n.a.	20.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	20.0000
Total:			**0.000**	**11.138**		**1755.26**	

111 CCV1

Sample Name:	**CCV1**	*Injection Volume:*	**5.00**
Vial Number:	**R3**	*Channel:*	**CD**
Sample Type:	**Unknown**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**1.0000**
Recording Time:	**06/06/2023 19:59**	*Sample Weight:*	**1.0000**

Run Time:



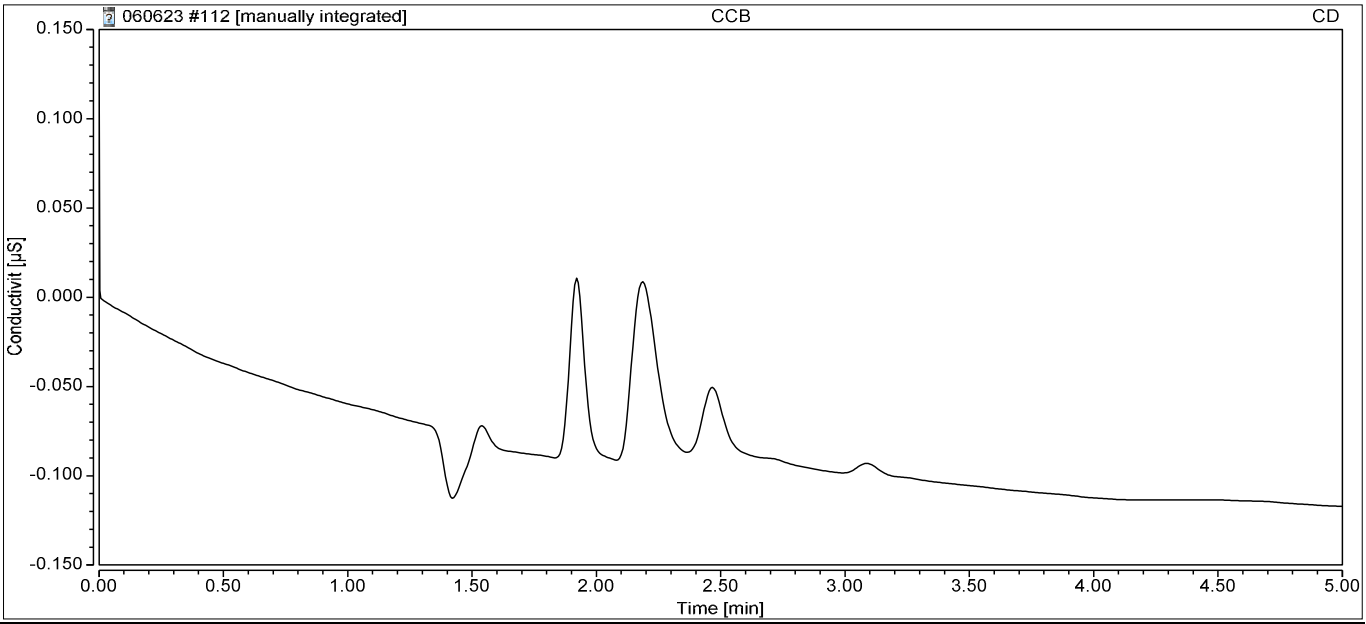
Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
1	1.55	Fluoride	BMB*	2.175	10.9321	10.9321	1.0000
2	1.92	Chloride	BMB	7.988	51.0400	51.0400	1.0000
3	2.18	Nitrite,N	BMB	2.948	10.2152	10.2152	1.0000
4	2.45	Sulfate	BMB	5.619	51.6182	51.6182	1.0000
5	2.71	Bromide	BMB	0.601	10.5743	10.5743	1.0000
6	3.04	Nitrate	BMB	3.443	10.4733	10.4733	1.0000
7	3.22	Chlorate	BMB	0.267	10.8959	10.8959	1.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	1.0000
Total:			**0.000**	**23.040**		**155.75**	

112 CCB

Sample Name:	**CCB**	*Injection Volume:*	**5.00**
Vial Number:	**R7**	*Channel:*	**CD**
Sample Type:	**Unknown**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**1.0000**
Recording Time:	**06/06/2023 20:05**	*Sample Weight:*	**1.0000**

Run Time:



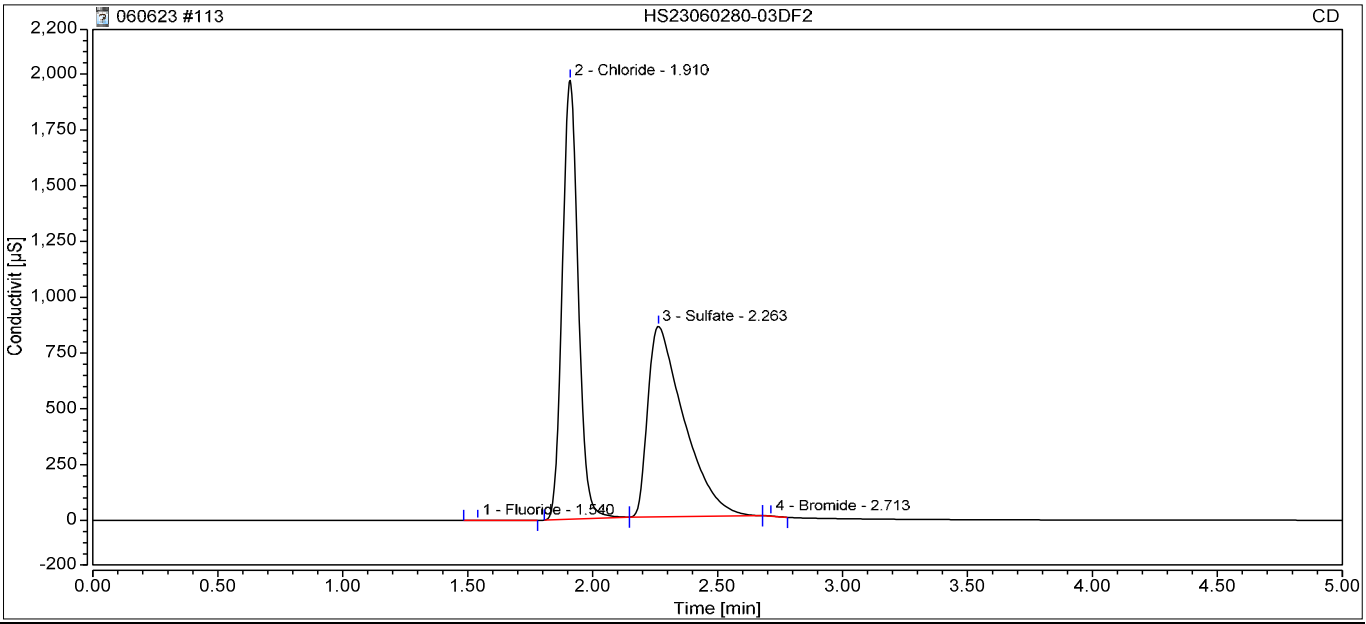
Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
n.a.	n.a.	Fluoride	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Chloride	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Nitrite,N	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Sulfate	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Bromide	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Nitrate	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Chlorate	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	1.0000
Total:			**0.000**	**0.000**		**0.00**	

113 HS23060280-03DF2

Sample Name:	**HS23060280-03DF2**	*Injection Volume:*	**5.00**
Vial Number:	**GE5**	*Channel:*	**CD**
Sample Type:	**Unknown**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**2.0000**
Recording Time:	**06/06/2023 20:16**	*Sample Weight:*	**1.0000**

Run Time:



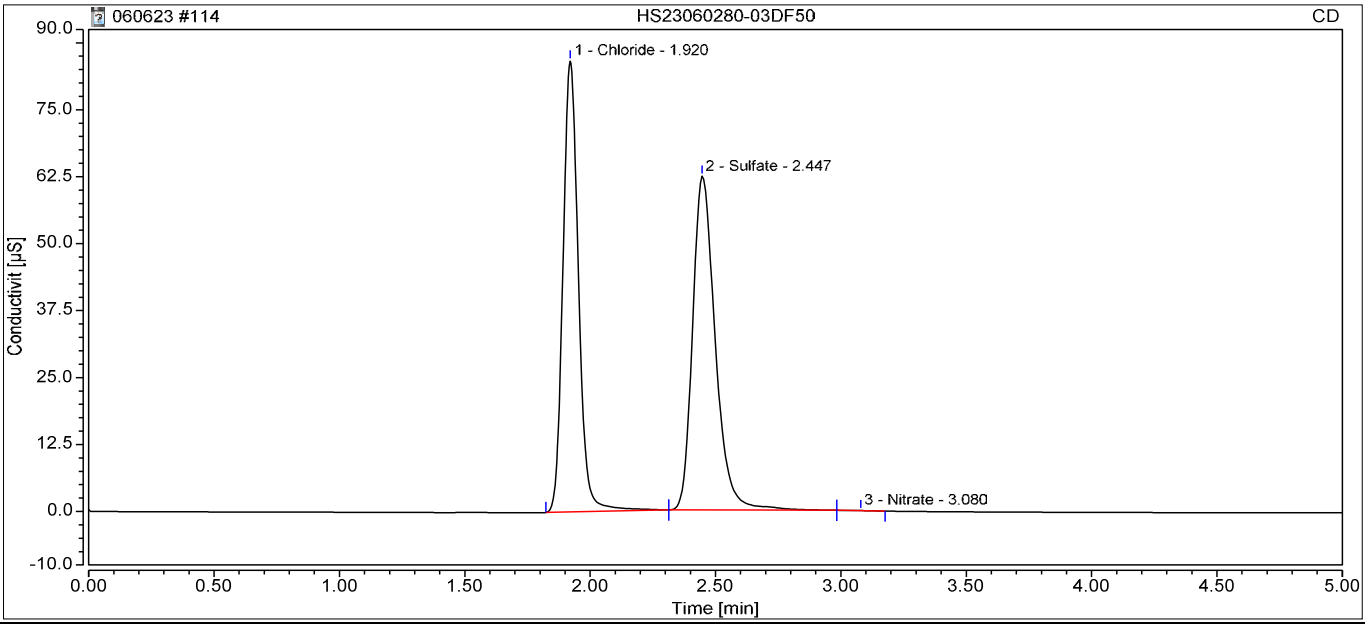
Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
1	1.54	Fluoride	BMB	0.019	0.2419	0.4838	2.0000
2	1.91	Chloride	BMB	145.627	921.5592	1843.1183	2.0000
n.a.	n.a.	Nitrite,N	n.a.	n.a.	n.a.	n.a.	2.0000
3	2.26	Sulfate	BMB	142.762	1300.5585	2601.1170	2.0000
4	2.71	Bromide	BMB	0.055	1.0782	2.1564	2.0000
n.a.	n.a.	Nitrate	n.a.	n.a.	n.a.	n.a.	2.0000
n.a.	n.a.	Chlorate	n.a.	n.a.	n.a.	n.a.	2.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	2.0000
Total:			**0.000**	**288.465**		**4446.88**	

114 HS23060280-03DF50

Sample Name:	**HS23060280-03DF50**	*Injection Volume:*	**5.00**
Vial Number:	**GE6**	*Channel:*	**CD**
Sample Type:	**Unknown**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**50.0000**
Recording Time:	**06/06/2023 20:22**	*Sample Weight:*	**1.0000**

Run Time:



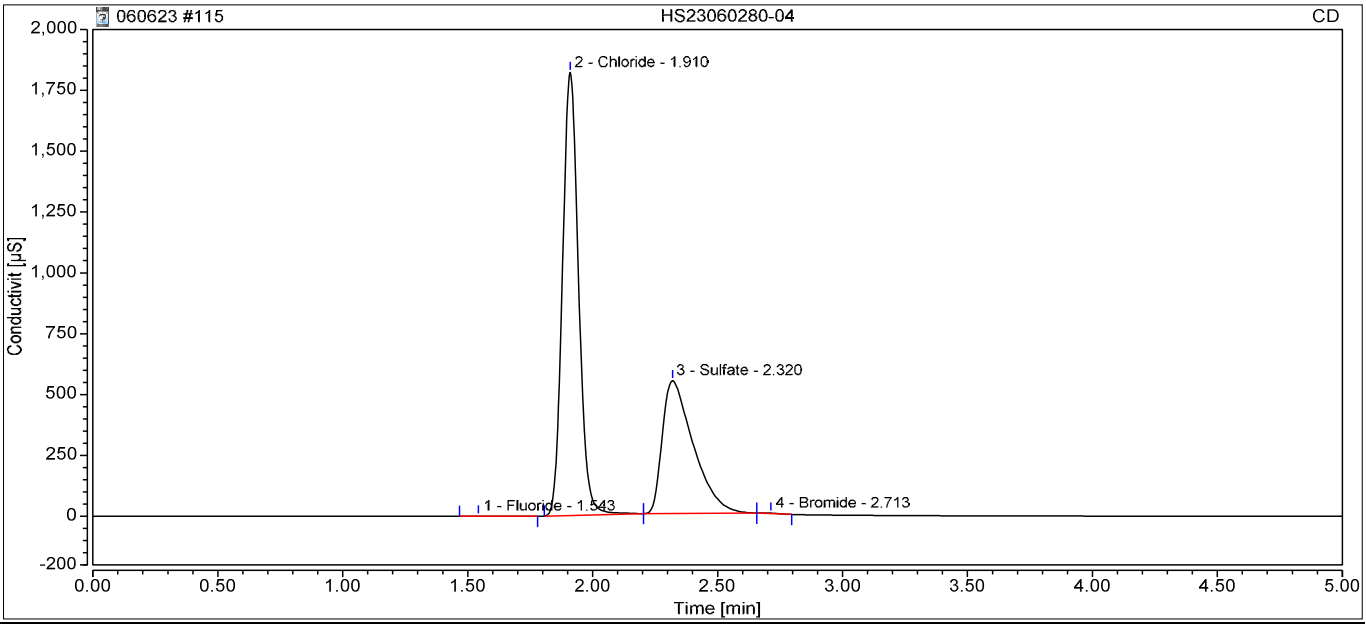
Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
n.a.	n.a.	Fluoride	n.a.	n.a.	n.a.	n.a.	50.0000
1	1.92	Chloride	BMB	6.025	38.6242	1931.2086	50.0000
n.a.	n.a.	Nitrite,N	n.a.	n.a.	n.a.	n.a.	50.0000
2	2.45	Sulfate	BMB	6.538	59.9883	2999.4139	50.0000
n.a.	n.a.	Bromide	n.a.	n.a.	n.a.	n.a.	50.0000
3	3.08	Nitrate	BMB	0.002	0.1181	5.9057	50.0000
n.a.	n.a.	Chlorate	n.a.	n.a.	n.a.	n.a.	50.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	50.0000
Total:			**0.000**	**12.565**		**4936.53**	

115 HS23060280-04

Sample Name:	**HS23060280-04**	*Injection Volume:*	**5.00**
Vial Number:	**GE7**	*Channel:*	**CD**
Sample Type:	**Unknown**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**1.0000**
Recording Time:	**06/06/2023 20:28**	*Sample Weight:*	**1.0000**

Run Time:



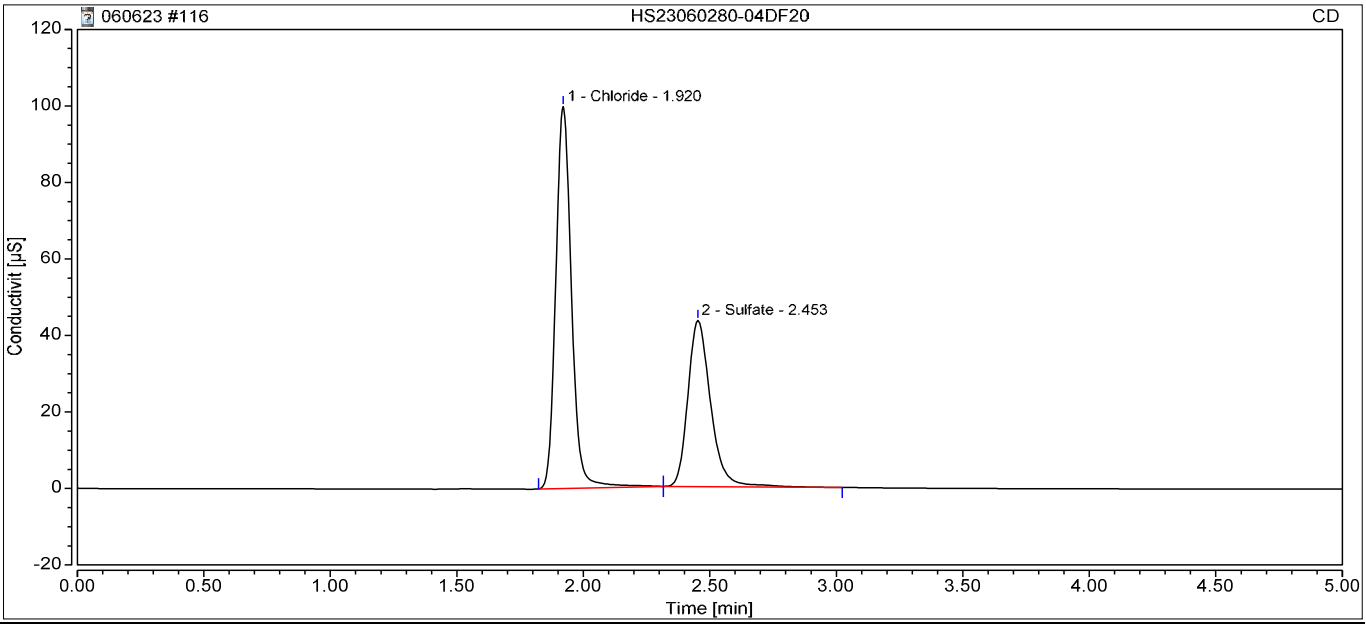
Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
1	1.54	Fluoride	BMB	0.072	0.5042	0.5042	1.0000
2	1.91	Chloride	BMB	135.818	859.5153	859.5153	1.0000
n.a.	n.a.	Nitrite,N	n.a.	n.a.	n.a.	n.a.	1.0000
3	2.32	Sulfate	BMB	78.498	715.3192	715.3192	1.0000
4	2.71	Bromide	BMB	0.134	2.4433	2.4433	1.0000
n.a.	n.a.	Nitrate	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Chlorate	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	1.0000
Total:			**0.000**	**214.522**		**1577.78**	

116 HS23060280-04DF20

Sample Name:	**HS23060280-04DF20**	*Injection Volume:*	**5.00**
Vial Number:	**GE8**	*Channel:*	**CD**
Sample Type:	**Unknown**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**20.0000**
Recording Time:	**06/06/2023 20:34**	*Sample Weight:*	**1.0000**

Run Time:



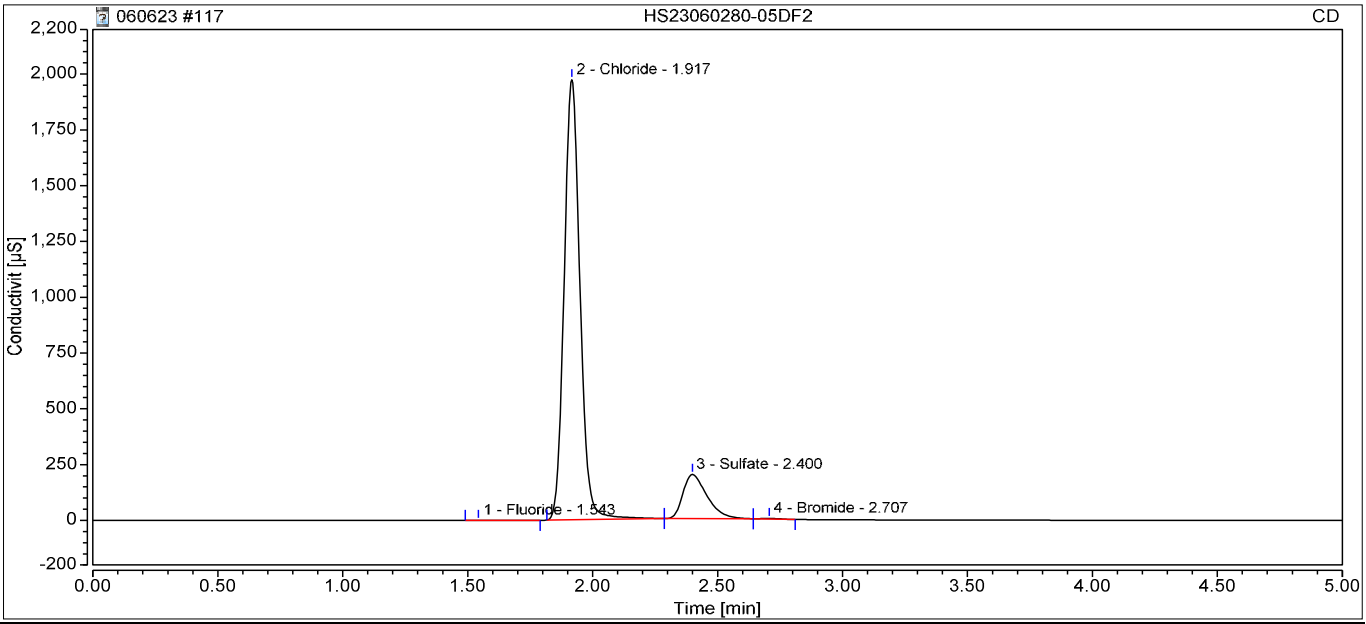
Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
n.a.	n.a.	Fluoride	n.a.	n.a.	n.a.	n.a.	20.0000
1	1.92	Chloride	BMB	7.173	45.8849	917.6987	20.0000
n.a.	n.a.	Nitrite,N	n.a.	n.a.	n.a.	n.a.	20.0000
2	2.45	Sulfate	BMB	4.530	41.7033	834.0658	20.0000
n.a.	n.a.	Bromide	n.a.	n.a.	n.a.	n.a.	20.0000
n.a.	n.a.	Nitrate	n.a.	n.a.	n.a.	n.a.	20.0000
n.a.	n.a.	Chlorate	n.a.	n.a.	n.a.	n.a.	20.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	20.0000
Total:			**0.000**	**11.703**		**1751.76**	

117 HS23060280-05DF2

Sample Name:	**HS23060280-05DF2**	*Injection Volume:*	**5.00**
Vial Number:	**BA1**	*Channel:*	**CD**
Sample Type:	**Unknown**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**2.0000**
Recording Time:	**06/06/2023 20:40**	*Sample Weight:*	**1.0000**

Run Time:



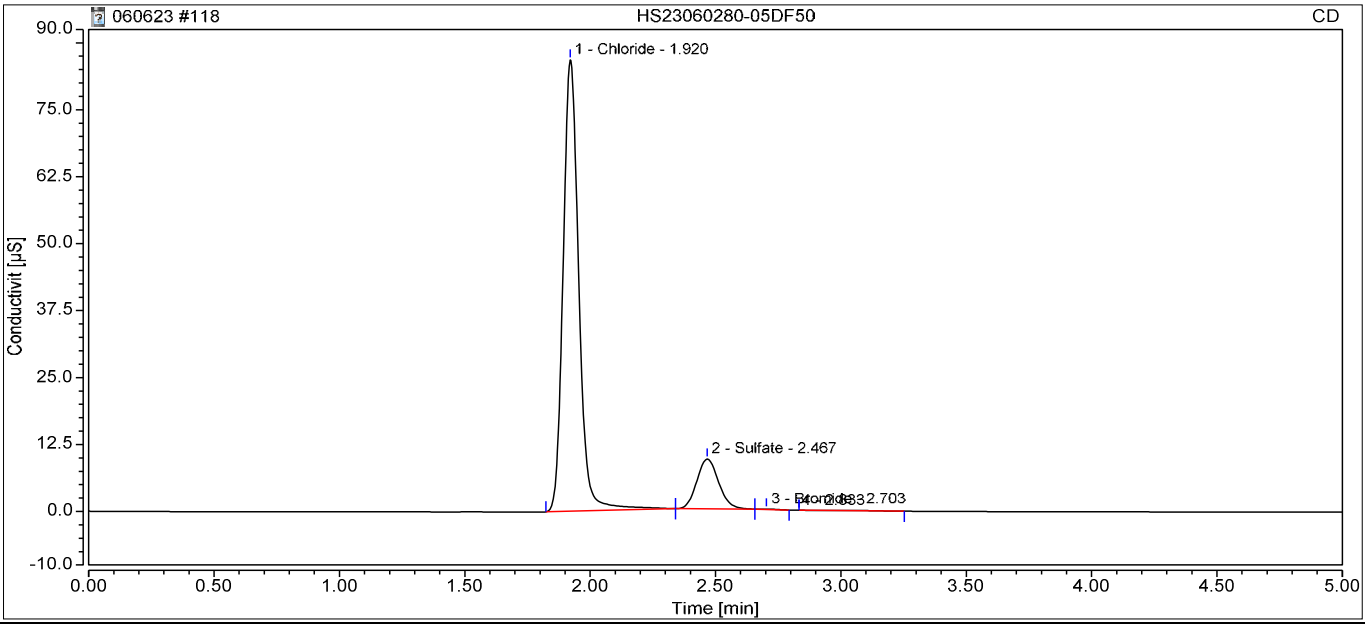
Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
1	1.54	Fluoride	BMB	0.014	0.2145	0.4291	2.0000
2	1.92	Chloride	BMB	144.798	916.3152	1832.6305	2.0000
n.a.	n.a.	Nitrite,N	n.a.	n.a.	n.a.	n.a.	2.0000
3	2.40	Sulfate	BMB	21.967	200.4956	400.9911	2.0000
4	2.71	Bromide	BMB	0.194	3.4866	6.9732	2.0000
n.a.	n.a.	Nitrate	n.a.	n.a.	n.a.	n.a.	2.0000
n.a.	n.a.	Chlorate	n.a.	n.a.	n.a.	n.a.	2.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	2.0000
Total:			**0.000**	**166.973**		**2241.02**	

118 HS23060280-05DF50

Sample Name:	**HS23060280-05DF50**	*Injection Volume:*	**5.00**
Vial Number:	**BA2**	*Channel:*	**CD**
Sample Type:	**Unknown**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**50.0000**
Recording Time:	**06/06/2023 20:45**	*Sample Weight:*	**1.0000**

Run Time:



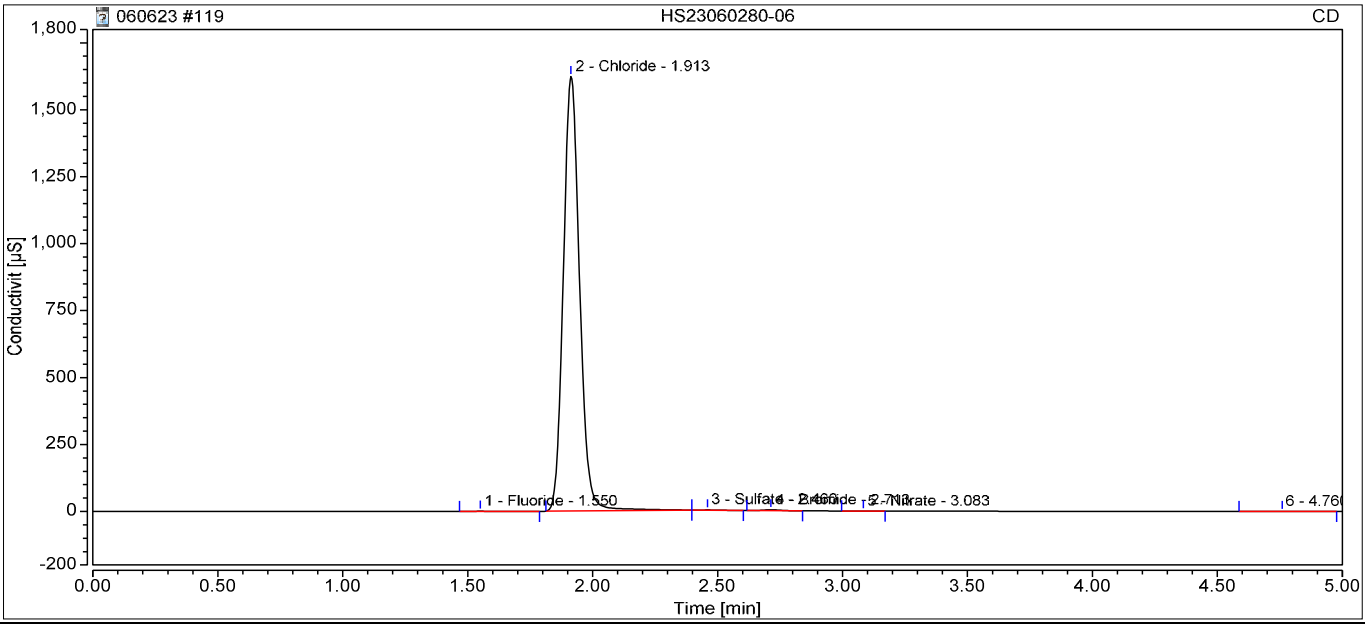
Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
n.a.	n.a.	Fluoride	n.a.	n.a.	n.a.	n.a.	50.0000
1	1.92	Chloride	BMB	6.090	39.0347	1951.7347	50.0000
n.a.	n.a.	Nitrite,N	n.a.	n.a.	n.a.	n.a.	50.0000
2	2.47	Sulfate	BMB	0.937	8.9780	448.9020	50.0000
3	2.70	Bromide	BMB	0.006	0.2112	10.5577	50.0000
n.a.	n.a.	Nitrate	n.a.	n.a.	n.a.	n.a.	50.0000
n.a.	n.a.	Chlorate	n.a.	n.a.	n.a.	n.a.	50.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	50.0000
Total:			**0.000**	**7.032**		**2411.19**	

119 HS23060280-06

Sample Name:	**HS23060280-06**	*Injection Volume:*	**5.00**
Vial Number:	**BA3**	*Channel:*	**CD**
Sample Type:	**Unknown**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**1.0000**
Recording Time:	**06/06/2023 20:51**	*Sample Weight:*	**1.0000**

Run Time:

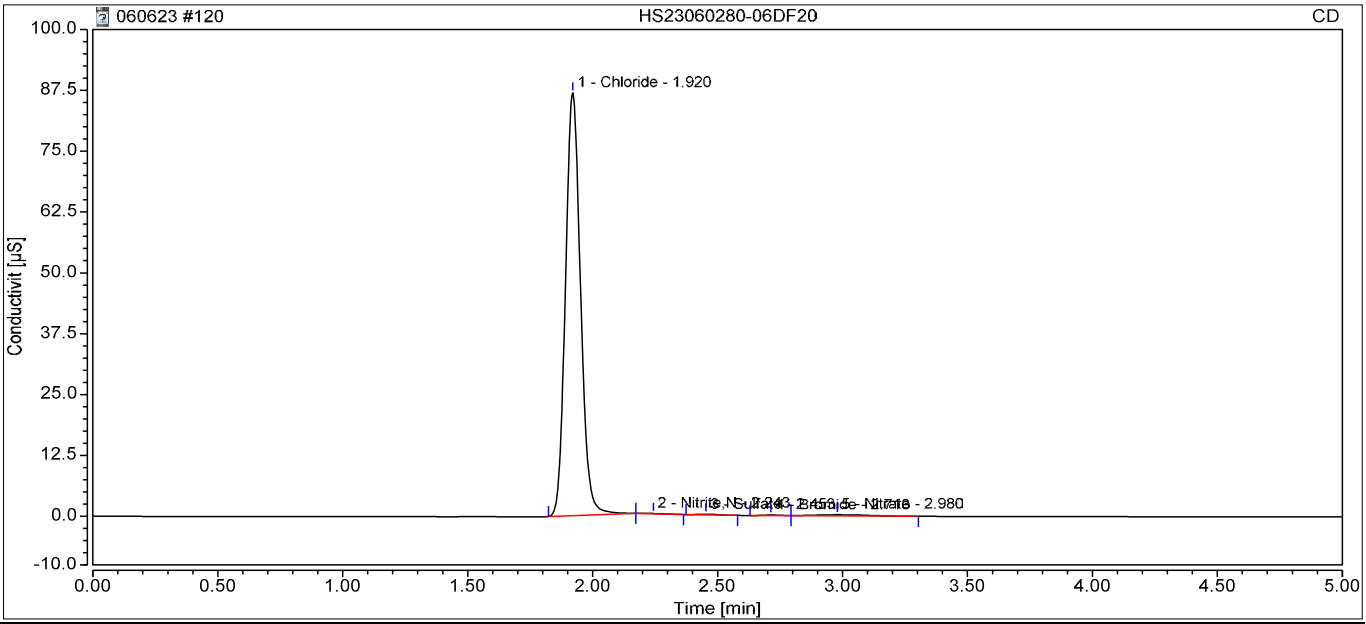


Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
1	1.55	Fluoride	BMB	0.078	0.5328	0.5328	1.0000
2	1.91	Chloride	BMB	122.257	773.7524	773.7524	1.0000
n.a.	n.a.	Nitrite,N	n.a.	n.a.	n.a.	n.a.	1.0000
3	2.46	Sulfate	BMB	0.086	1.2335	1.2335	1.0000
4	2.71	Bromide	BMB	0.288	5.1322	5.1322	1.0000
5	3.08	Nitrate	BMB	0.003	0.1209	0.1209	1.0000
n.a.	n.a.	Chlorate	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	1.0000
Total:			**0.000**	**122.713**		**780.77**	

120 HS23060280-06DF20			
Sample Name:	**HS23060280-06DF20**	*Injection Volume:*	**5.00**
Vial Number:	**BA4**	*Channel:*	**CD**
Sample Type:	**Unknown**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**20.0000**
Recording Time:	**06/06/2023 20:57**	*Sample Weight:*	**1.0000**

Run Time:



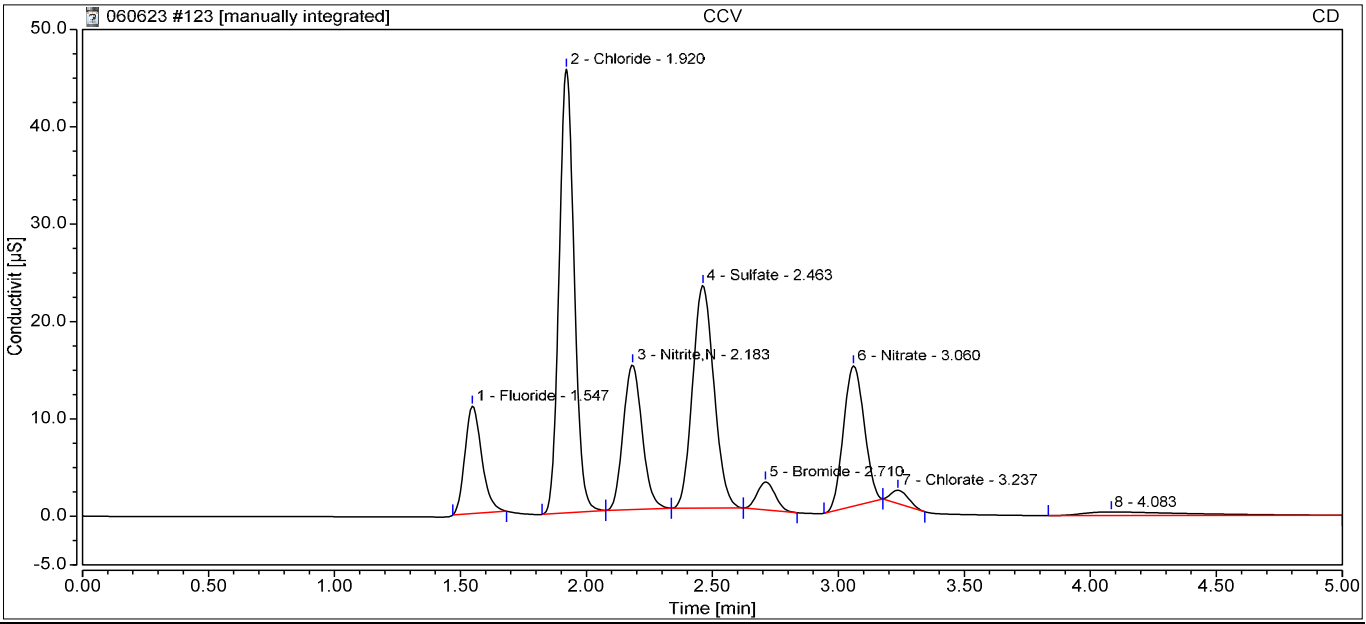
Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
n.a.	n.a.	Fluoride	n.a.	n.a.	n.a.	n.a.	20.0000
1	1.92	Chloride	BMB	6.073	38.9264	778.5271	20.0000
2	2.24	Nitrite,N	BMB	0.006	0.0886	1.7719	20.0000
3	2.45	Sulfate	BMB	0.012	0.5615	11.2291	20.0000
4	2.71	Bromide	BMB	0.008	0.2535	5.0698	20.0000
5	2.98	Nitrate	BMB	0.053	0.2719	5.4379	20.0000
n.a.	n.a.	Chlorate	n.a.	n.a.	n.a.	n.a.	20.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	20.0000
Total:			**0.000**	**6.152**		**802.04**	

123 CCV

Sample Name:	**CCV**	*Injection Volume:*	**5.00**
Vial Number:	**R1**	*Channel:*	**CD**
Sample Type:	**Unknown**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**1.0000**
Recording Time:	**06/06/2023 21:26**	*Sample Weight:*	**1.0000**

Run Time:



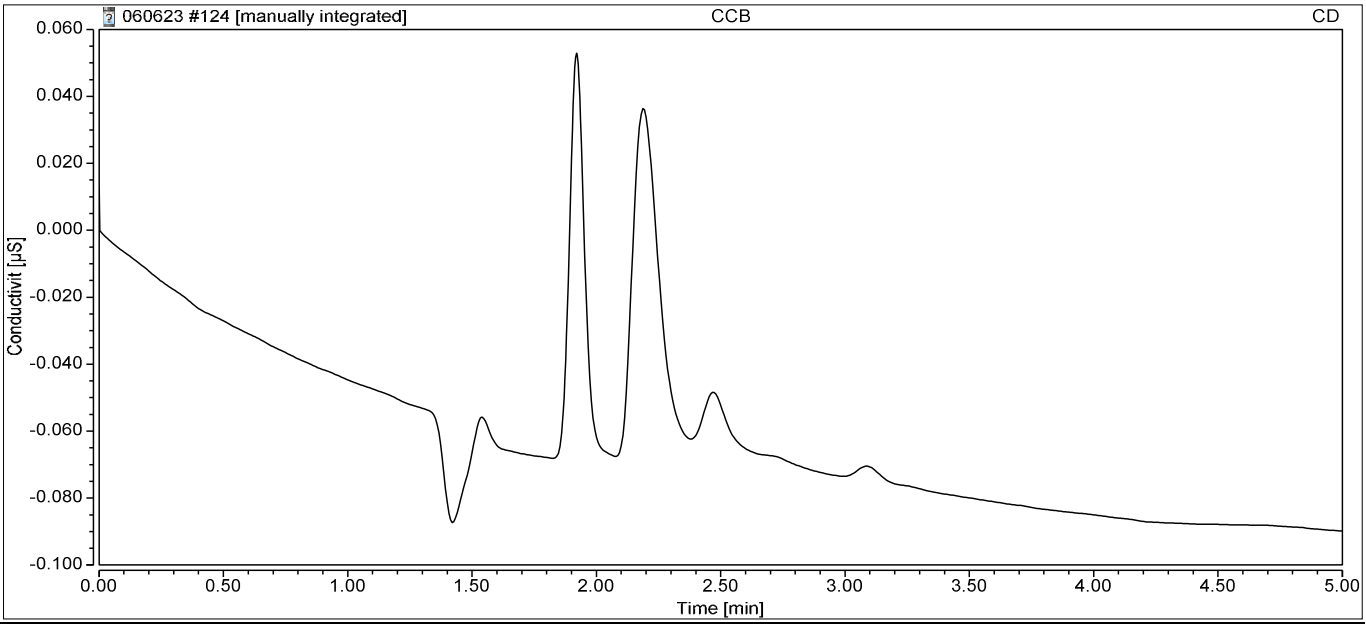
Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
1	1.55	Fluoride	BMB*	0.855	4.3882	4.3882	1.0000
2	1.92	Chloride	BMB	3.162	20.5149	20.5149	1.0000
3	2.18	Nitrite,N	BMB	1.292	4.1837	4.1837	1.0000
4	2.46	Sulfate	BMB	2.248	20.9205	20.9205	1.0000
5	2.71	Bromide	BMB	0.239	4.2779	4.2779	1.0000
6	3.06	Nitrate	BMB	1.370	4.2357	4.2357	1.0000
7	3.24	Chlorate	BMB	0.112	4.4382	4.4382	1.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	1.0000
Total:			**0.000**	**9.279**		**62.96**	

124 CCB

Sample Name:	**CCB**	*Injection Volume:*	**5.00**
Vial Number:	**R6**	*Channel:*	**CD**
Sample Type:	**Unknown**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**1.0000**
Recording Time:	**06/06/2023 21:32**	*Sample Weight:*	**1.0000**

Run Time:



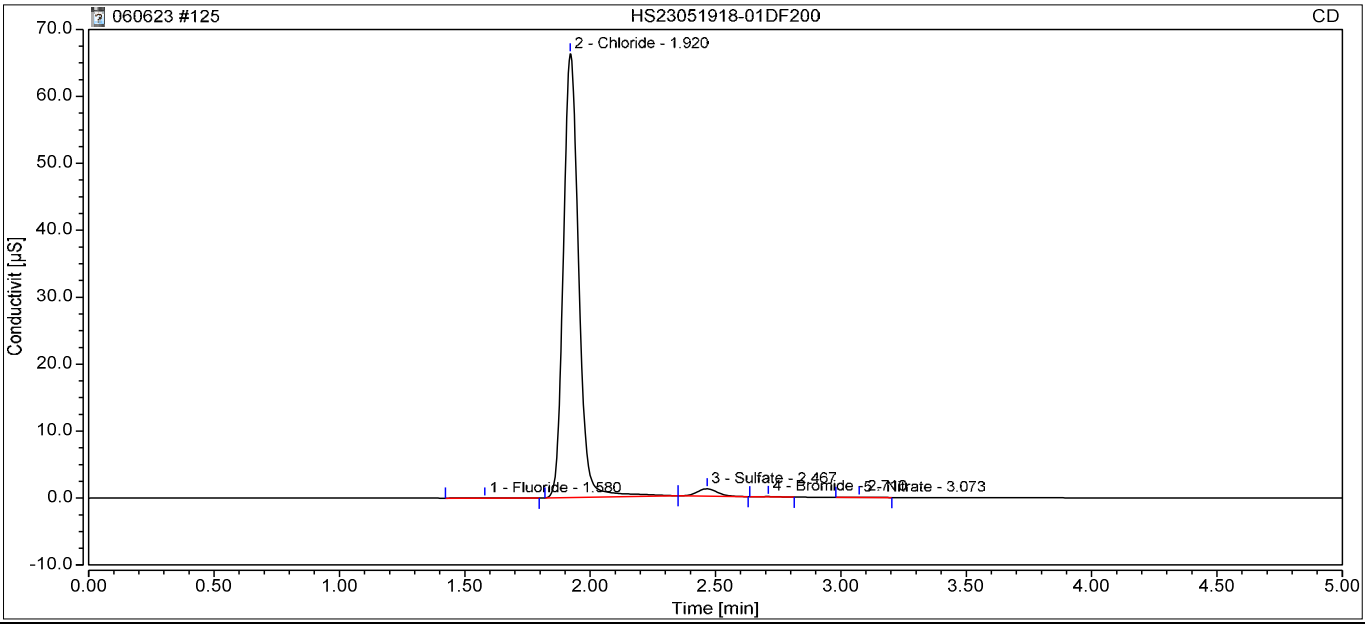
Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
n.a.	n.a.	Fluoride	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Chloride	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Nitrite,N	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Sulfate	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Bromide	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Nitrate	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Chlorate	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	1.0000
Total:			**0.000**	**0.000**		**0.00**	

125 HS23051918-01DF200

Sample Name:	**HS23051918-01DF200**	*Injection Volume:*	**5.00**
Vial Number:	**BA7**	*Channel:*	**CD**
Sample Type:	**Unknown**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**200.0000**
Recording Time:	**06/06/2023 21:44**	*Sample Weight:*	**1.0000**

Run Time:



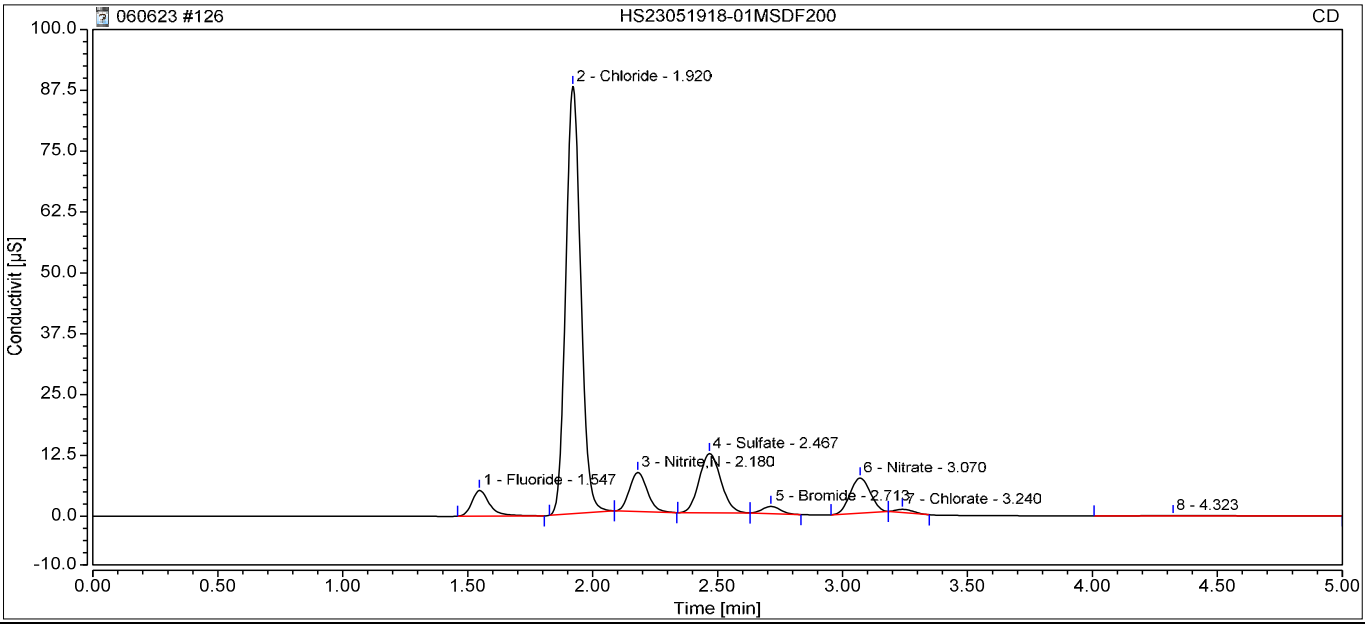
Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
1	1.58	Fluoride	BMB	0.003	0.1598	31.9501	200.0000
2	1.92	Chloride	BMB	4.695	30.2121	6042.4257	200.0000
n.a.	n.a.	Nitrite,N	n.a.	n.a.	n.a.	n.a.	200.0000
3	2.47	Sulfate	BMB	0.102	1.3730	274.5965	200.0000
4	2.71	Bromide	BMB	0.004	0.1762	35.2394	200.0000
5	3.07	Nitrate	BMB	0.002	0.1174	23.4751	200.0000
n.a.	n.a.	Chlorate	n.a.	n.a.	n.a.	n.a.	200.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	200.0000
Total:			**0.000**	**4.805**		**6407.69**	

126 HS23051918-01MSDF200

Sample Name:	**HS23051918-01MSDF200**	*Injection Volume:*	**5.00**
Vial Number:	**BA8**	*Channel:*	**CD**
Sample Type:	**Unknown**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**200.0000**
Recording Time:	**06/06/2023 21:49**	*Sample Weight:*	**1.0000**

Run Time:



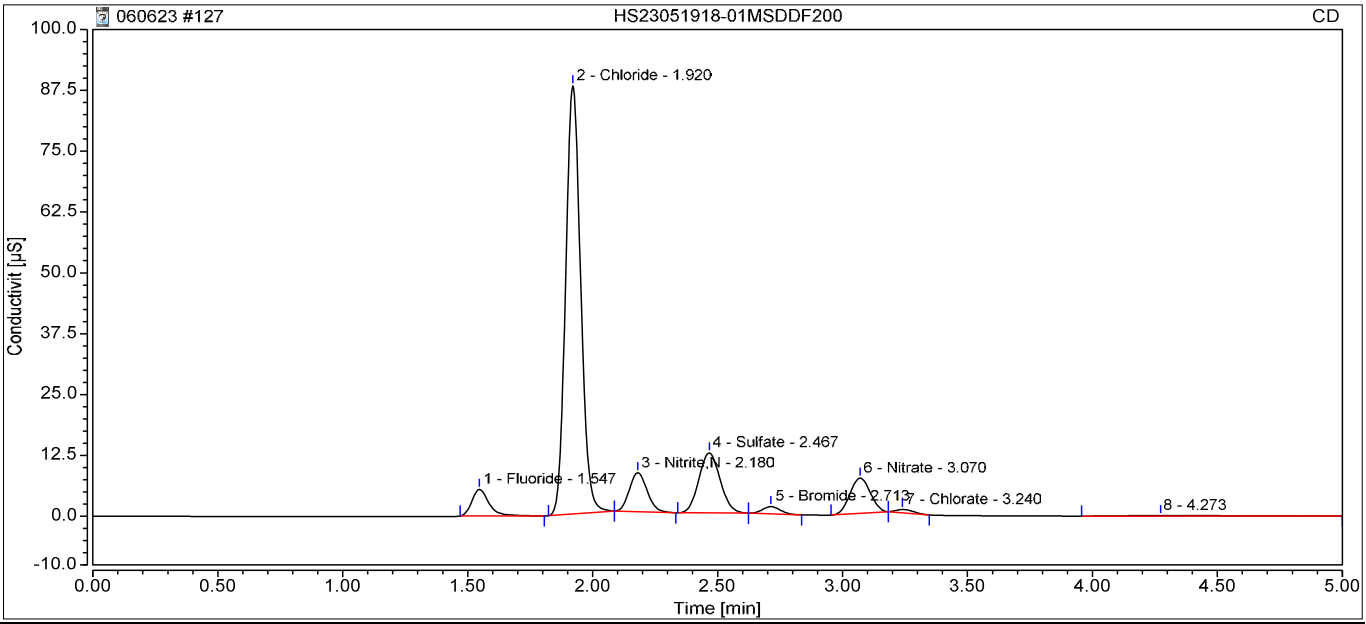
Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
1	1.55	Fluoride	BMB	0.433	2.2922	458.4465	200.0000
2	1.92	Chloride	BMB	6.128	39.2782	7855.6376	200.0000
3	2.18	Nitrite,N	BMB	0.661	2.1221	424.4136	200.0000
4	2.47	Sulfate	BMB	1.219	11.5447	2308.9340	200.0000
5	2.71	Bromide	BMB	0.121	2.2200	444.0022	200.0000
6	3.07	Nitrate	BMB	0.679	2.1558	431.1617	200.0000
7	3.24	Chlorate	BMB	0.055	2.2083	441.6619	200.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	200.0000
Total:			**0.000**	**9.296**		**12364.26**	

127 HS23051918-01MSDDF200

Sample Name:	**HS23051918-01MSDDF200**	*Injection Volume:*	**5.00**
Vial Number:	**BB1**	*Channel:*	**CD**
Sample Type:	**Unknown**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**200.0000**
Recording Time:	**06/06/2023 21:55**	*Sample Weight:*	**1.0000**

Run Time:



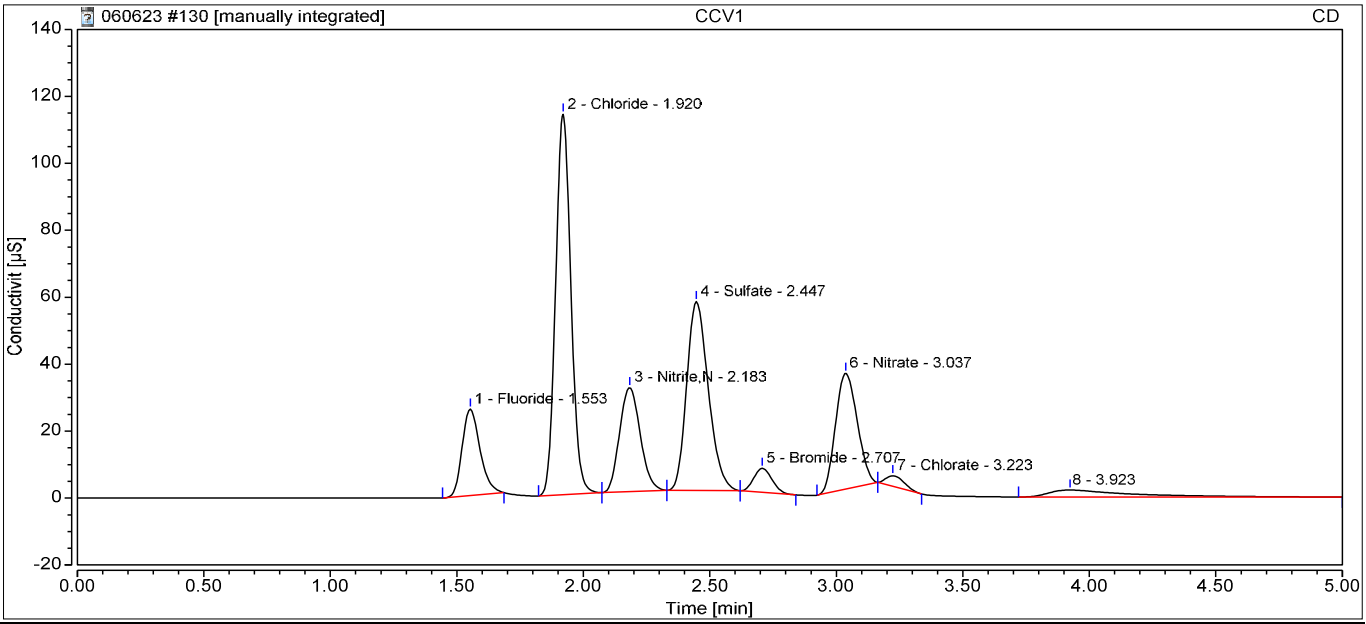
Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
1	1.55	Fluoride	BMB	0.434	2.2980	459.6006	200.0000
2	1.92	Chloride	BMB	6.135	39.3186	7863.7135	200.0000
3	2.18	Nitrite,N	BMB	0.660	2.1205	424.1039	200.0000
4	2.47	Sulfate	BMB	1.220	11.5578	2311.5538	200.0000
5	2.71	Bromide	BMB	0.123	2.2514	450.2889	200.0000
6	3.07	Nitrate	BMB	0.680	2.1577	431.5405	200.0000
7	3.24	Chlorate	BMB	0.055	2.2122	442.4358	200.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	200.0000
Total:			**0.000**	**9.307**		**12383.24**	

130 CCV1

Sample Name:	**CCV1**	*Injection Volume:*	**5.00**
Vial Number:	**R3**	*Channel:*	**CD**
Sample Type:	**Unknown**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**1.0000**
Recording Time:	**06/06/2023 22:24**	*Sample Weight:*	**1.0000**

Run Time:



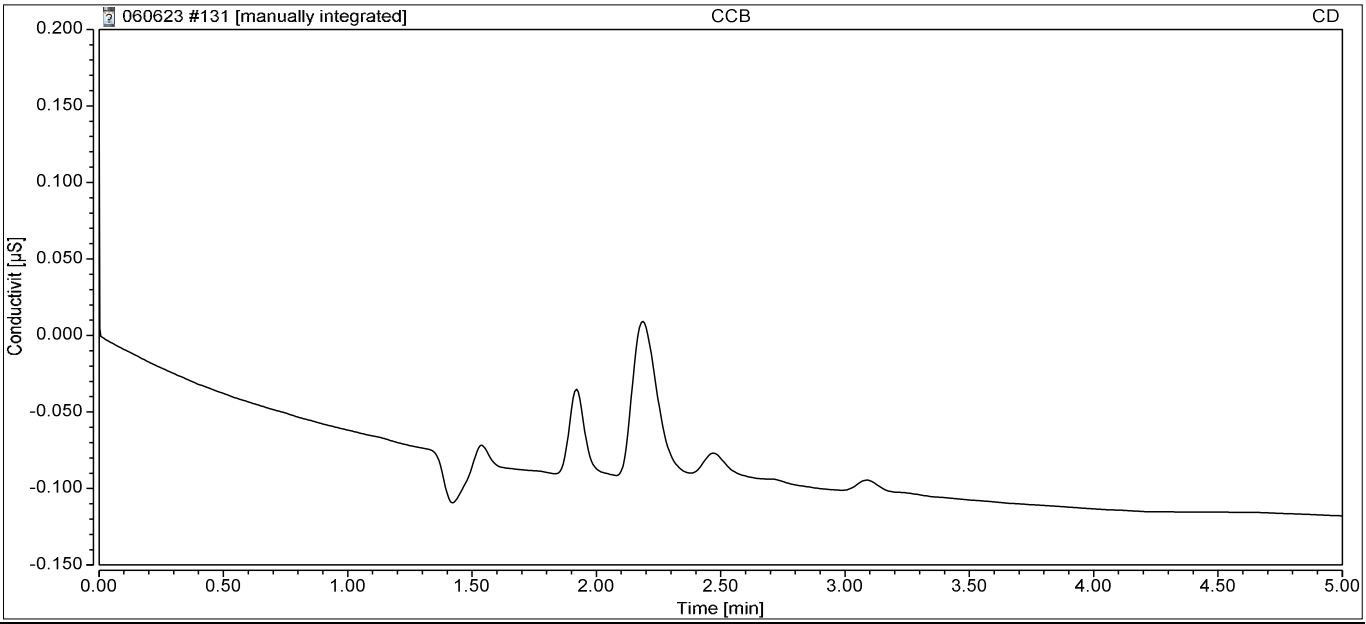
Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
1	1.55	Fluoride	BMB*	2.123	10.6762	10.6762	1.0000
2	1.92	Chloride	BMB	7.938	50.7212	50.7212	1.0000
3	2.18	Nitrite,N	BMB	2.945	10.2012	10.2012	1.0000
4	2.45	Sulfate	BMB	5.601	51.4575	51.4575	1.0000
5	2.71	Bromide	BMB	0.601	10.5861	10.5861	1.0000
6	3.04	Nitrate	BMB	3.443	10.4730	10.4730	1.0000
7	3.22	Chlorate	BMB	0.271	11.0969	11.0969	1.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	1.0000
Total:			**0.000**	**22.922**		**155.21**	

131 CCB

Sample Name:	**CCB**	*Injection Volume:*	**5.00**
Vial Number:	**R7**	*Channel:*	**CD**
Sample Type:	**Unknown**	*Wavelength:*	**n.a.**
Control Program:	**Anions Program ISO37mM 150mm short 0.4 Constant current**	*Bandwidth:*	**n.a.**
Quantif. Method:	**Anions Processing Method ISO**	*Dilution Factor:*	**1.0000**
Recording Time:	**06/06/2023 22:30**	*Sample Weight:*	**1.0000**

Run Time:



Integration Results

No.	Retention min	Peak Name	Peak Type	Area µS*min	Amount ppm	Concentration ppm	Dilution
n.a.	n.a.	Fluoride	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Chloride	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Nitrite,N	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Sulfate	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Bromide	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Nitrate	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Chlorate	n.a.	n.a.	n.a.	n.a.	1.0000
n.a.	n.a.	Phosphate	n.a.	n.a.	n.a.	n.a.	1.0000
Total:			**0.000**	**0.000**		**0.00**	

HS23060280 Wetchem TOC_W

ALS WO# HS23060280

C:\TOC-L\Data\2023_03_27_002.CAL.tlx

	Type	Analysis	Sample Name	Sample ID	Origin	Manual Diluti	Result	Notes
1	Standard	NPOC	CAL	321104406	03_27_2023	1.000		
2	Unknown	NPOC	ICV	3100606923	03_27_2023	1.000	NPOC:10.39mg/L	
3	Unknown	NPOC	ICB		03_27_2023	1.000	NPOC:0.5513mg/	

C:\TOC-L\Data\2023_03_27_002.CAL.tlx

	Status	Date / Time	Vial
1	Completed	3/27/2023 2:55:48	1, 2, 3, 4, 5,
2	Completed	3/27/2023 3:09:01	8
3	Completed	3/27/2023 3:21:20	9

TOC-Control L Report

2023_03_27_002.CAL.tlx

Instr.Information

Instrument Options	TOC/ASI/IC Unit/
Catalyst	Regular Sensitivity

Cal. Curve

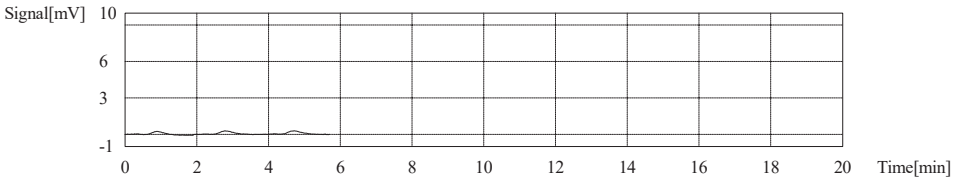
Sample Name:	CAL
Sample ID:	321104406
Cal. Curve:	03_27_2023_CAL.2023_03_27_13_24_18.cal
Status	Completed

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	0.6126	50uL	1.000	*******		3/27/2023 1:32:15 PM
2	0.6651	50uL	1.000	*******		3/27/2023 1:34:25 PM
3	0.7575	50uL	1.000	*******		3/27/2023 1:36:33 PM

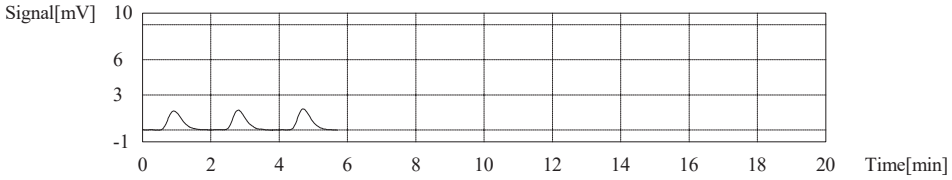
Acid Add.	1.500%
Sparge Gas Flow	80mL/min
Sp. Time	120.0sec
Mean Area	0.6784



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	4.693	50uL	1.000	*******		3/27/2023 1:44:37 PM
2	4.633	50uL	1.000	*******		3/27/2023 1:46:45 PM
3	4.978	50uL	1.000	*******		3/27/2023 1:48:53 PM

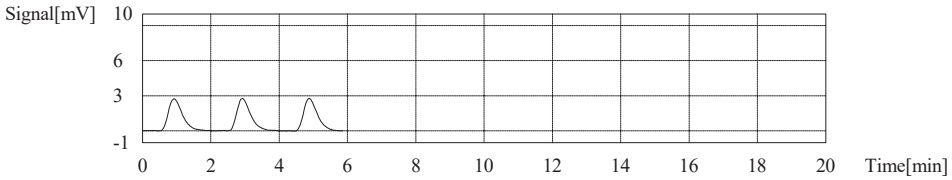
Acid Add.	1.500%
Sparge Gas Flow	80mL/min
Sp. Time	120.0sec
Mean Area	4.768



Conc: 2.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	7.890	50uL	1.000	*******		3/27/2023 1:57:04 PM
2	7.696	50uL	1.000	*******		3/27/2023 1:59:15 PM
3	7.919	50uL	1.000	*******		3/27/2023 2:01:23 PM

Acid Add.	1.500%
Sparge Gas Flow	80mL/min
Sp. Time	120.0sec
Mean Area	7.835



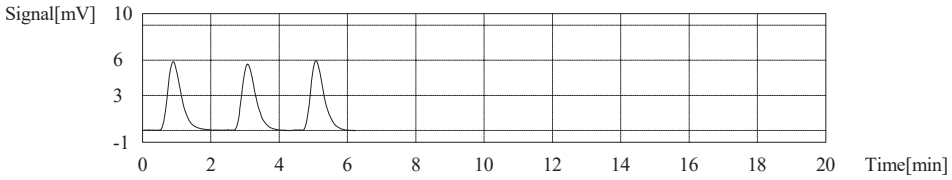
TOC-Control L Report

2023_03_27_002.CAL.tlx

Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	16.42	50uL	1.000	*******		3/27/2023 2:09:43 PM
2	16.08	50uL	1.000	*******		3/27/2023 2:11:58 PM
3	16.30	50uL	1.000	*******		3/27/2023 2:14:15 PM

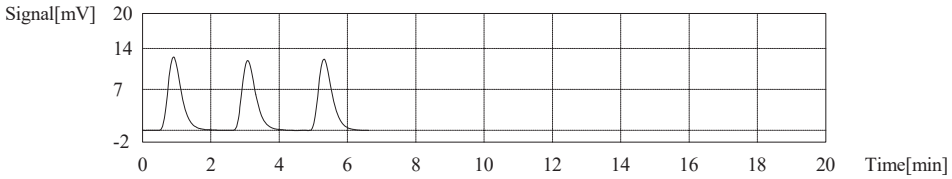
Acid Add. 1.500%
Sparge Gas Flow 80mL/min
Sp. Time 120.0sec
Mean Area 16.27



Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	35.01	50uL	1.000	*******		3/27/2023 2:22:35 PM
2	34.18	50uL	1.000	*******		3/27/2023 2:25:03 PM
3	34.84	50uL	1.000	*******		3/27/2023 2:27:30 PM

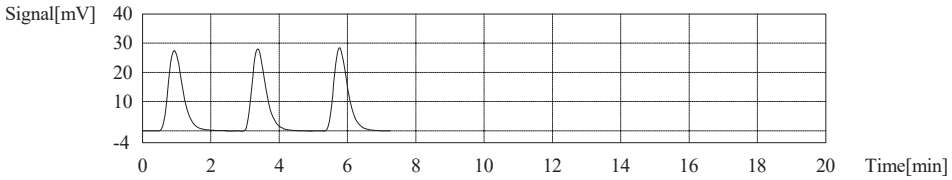
Acid Add. 1.500%
Sparge Gas Flow 80mL/min
Sp. Time 120.0sec
Mean Area 34.68



Conc: 25.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	82.45	50uL	1.000	*******		3/27/2023 2:36:07 PM
2	80.86	50uL	1.000	*******		3/27/2023 2:38:45 PM
3	82.11	50uL	1.000	*******		3/27/2023 2:41:24 PM

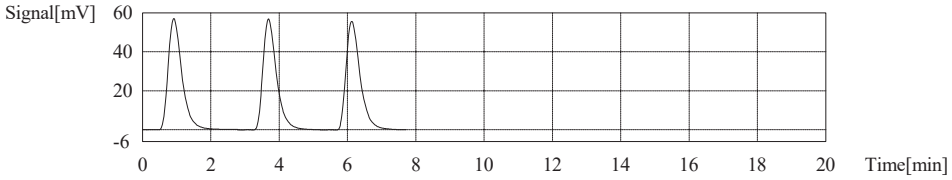
Acid Add. 1.500%
Sparge Gas Flow 80mL/min
Sp. Time 120.0sec
Mean Area 81.81



Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	161.9	50uL	1.000	*******		3/27/2023 2:50:21 PM
2	158.5	50uL	1.000	*******		3/27/2023 2:53:02 PM
3	161.9	50uL	1.000	*******		3/27/2023 2:55:48 PM

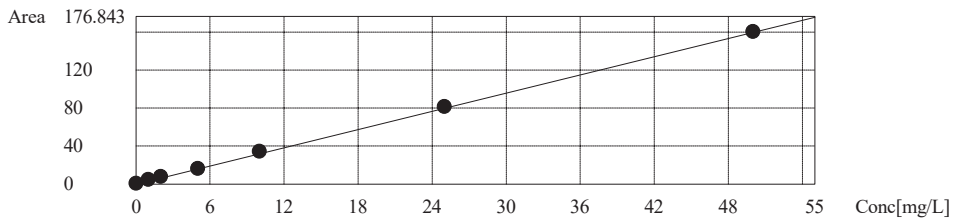
Acid Add. 1.500%
Sparge Gas Flow 80mL/min
Sp. Time 120.0sec
Mean Area 160.8



TOC-Control L Report

2023_03_27_002.CAL.tlx

Slope:	3.197
Intercept	0.000
r^2	0.9998
r	0.9999
RSE(%)	N/A
Zero Shift	Yes



Sample

Sample Name:	ICV
Sample ID:	3100606923
Origin:	03_27_2023_CAL.cal
Status	Completed
Chk. Result	

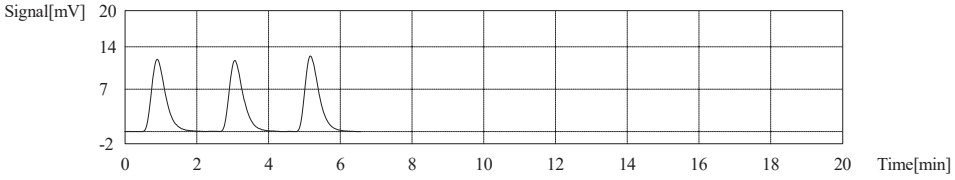
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:10.39mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.19	10.38mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	3/27/2023 3:04:08 PM
2	32.30	10.10mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	3/27/2023 3:06:30 PM
3	34.14	10.68mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	3/27/2023 3:09:01 PM

Mean Area	33.21
Mean Conc.	10.39mg/L



Sample

Sample Name:	ICB
Sample ID:	
Origin:	03_27_2023_CAL.cal
Status	Completed
Chk. Result	

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.5513mg/L

1. Det

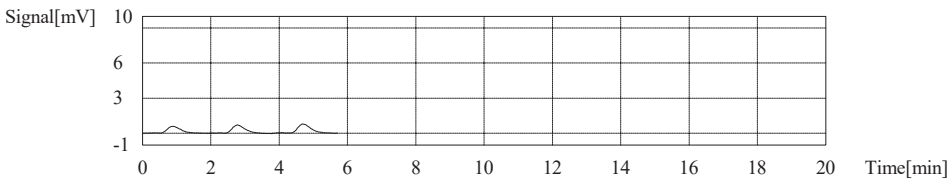
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.462	0.4573mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	3/27/2023 3:17:05 PM
2	1.831	0.5727mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	3/27/2023 3:19:13 PM
3	1.994	0.6237mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	3/27/2023 3:21:20 PM

TOC-Control L Report

2023_03_27_002.CAL.tlx

Mean Area	1.762
Mean Conc.	0.5513mg/L



C:\TOC-L\Data\2023_06_10_001.tlx

	Type	Analysis	Sample Name	Sample ID	Origin	Manual Diluti	Result	Notes	Status
1	Unknown	NPOC	CCV	321107307	03_27_2023	1.000	NPOC:26.47mg/L		Completed
2	Unknown	NPOC	CCB		03_27_2023	1.000	NPOC:0.06468mg/L		Completed
3	Unknown	NPOC	MBLK-06102023		03_27_2023	1.000	NPOC:0.02256mg/L		Completed
4	Unknown	NPOC	LCS-06102023	3100606923	03_27_2023	1.000	NPOC:10.24mg/L		Completed
5	Unknown	NPOC	LCSD-06102023		03_27_2023	1.000	NPOC:10.40mg/L		Completed
6	Unknown	NPOC	HS23060026-01	TOC_W	03_27_2023	1.000	NPOC:13.14mg/L		Completed
7	Unknown	NPOC	HS23060429-01		03_27_2023	1.000	NPOC:19.60mg/L		Completed
8	Unknown	NPOC	HS23060461-01		03_27_2023	1.000	NPOC:52.51mg/L		Completed
9	Unknown	NPOC	HS23060433-05		03_27_2023	1.000	NPOC:6.412mg/L		Completed
10	Unknown	NPOC	HS23060280-01		03_27_2023	1.000	NPOC:1.718mg/L		Completed
11	Unknown	NPOC	HS23060280-02		03_27_2023	1.000	NPOC:15.87mg/L		Completed
12	Unknown	NPOC	HS23060280-03		03_27_2023	1.000	NPOC:7.252mg/L		Completed
13	Unknown	NPOC	CCV		03_27_2023	1.000	NPOC:26.90mg/L		Completed
14	Unknown	NPOC	CCB		03_27_2023	1.000	NPOC:0.3139mg/L		Completed
15	Unknown	NPOC	HS23060280-04		03_27_2023	1.000	NPOC:7.231mg/L		Completed
16	Unknown	NPOC	HS23060259-03		03_27_2023	1.000	NPOC:15.28mg/L		Completed
17	Unknown	NPOC	HS23060259-03MS		03_27_2023	1.000	NPOC:25.52mg/L		Completed
18	Unknown	NPOC	HS23060259-04		03_27_2023	1.000	NPOC:16.54mg/L		Completed
19	Unknown	NPOC	CCV		03_27_2023	1.000	NPOC:26.55mg/L		Completed
20	Unknown	NPOC	CCB		03_27_2023	1.000	NPOC:0.1130mg/L		Completed
21	Unknown	NPOC	CCV		TOC_W 906	1.000	NPOC:26.12mg/L		Completed
22	Unknown	NPOC	CCB		TOC_W 906	1.000	NPOC:0.1799mg/L		Completed
23	Unknown	NPOC	MBLK-06102023		TOC_W 906	1.000	NPOC:0.1652mg/L		Completed
24	Unknown	NPOC	LCS-06102023		TOC_W 906	1.000	NPOC:10.20mg/L		Completed
25	Unknown	NPOC	LCSD-06102023		TOC_W 906	1.000	NPOC:10.33mg/L		Completed
26	Unknown	NPOC	HS23060014-02	TOC_W 906	TOC_W 906	1.000	NPOC:17.92mg/L		Completed
27	Unknown	NPOC	HS23060428-03		TOC_W 906	1.000	NPOC:6.603mg/L		Completed
28	Unknown	NPOC	HS23060428-03MS		TOC_W 906	1.000	NPOC:17.07mg/L		Completed
29	Unknown	NPOC	HS23060111-02		TOC_W 906	1.000	NPOC:8.970mg/L		Completed
30	Unknown	NPOC	HS23060111-03		TOC_W 906	1.000	NPOC:3.662mg/L		Completed
31	Unknown	NPOC	HS23060268-01		TOC_W 906	1.000	NPOC:8.252mg/L		Completed
32	Unknown	NPOC	CCV		TOC_W 906	1.000	NPOC:25.83mg/L		Completed
33	Unknown	NPOC	CCB		TOC_W 906	1.000	NPOC:0.1329mg/L		Completed

C:\TOC-L\Data\2023_06_10_001.tlx

	Date / Time	Vial
1	6/10/2023 10:51:47 AM	1
2	6/10/2023 11:04:07 AM	2
3	6/10/2023 11:16:27 AM	3
4	6/10/2023 11:30:06 AM	4
5	6/10/2023 11:43:48 AM	5
6	6/10/2023 11:57:40 AM	6
7	6/10/2023 12:11:41 PM	7
8	6/10/2023 12:26:38 PM	8
9	6/10/2023 12:40:00 PM	9
10	6/10/2023 12:52:41 PM	10
11	6/10/2023 1:06:54 PM	11
12	6/10/2023 1:20:15 PM	12
13	6/10/2023 1:34:47 PM	1
14	6/10/2023 1:47:07 PM	2
15	6/10/2023 2:00:45 PM	13
16	6/10/2023 2:14:44 PM	14
17	6/10/2023 2:29:02 PM	15
18	6/10/2023 2:43:04 PM	16
19	6/10/2023 2:57:09 PM	1
20	6/10/2023 3:09:26 PM	2
21	6/10/2023 3:26:33 PM	1
22	6/10/2023 3:40:56 PM	2
23	6/10/2023 3:55:20 PM	3
24	6/10/2023 4:11:23 PM	4
25	6/10/2023 4:27:27 PM	5
26	6/10/2023 4:44:12 PM	17
27	6/10/2023 4:59:55 PM	18
28	6/10/2023 5:16:34 PM	19
29	6/10/2023 5:32:49 PM	20
30	6/10/2023 5:47:41 PM	21
31	6/10/2023 6:03:27 PM	22
32	6/10/2023 6:20:25 PM	1
33	6/10/2023 6:35:06 PM	2

TOC-Control L Report

2023_06_10_001.tlx

Instr.Information

Instrument Options: TOC/ASI/IC Unit/
Catalyst: Regular Sensitivity

Sample

Sample Name: CCV
Sample ID: 321107307
Origin: 03_27_2023_CAL.cal
Status: Completed
Chk. Result:

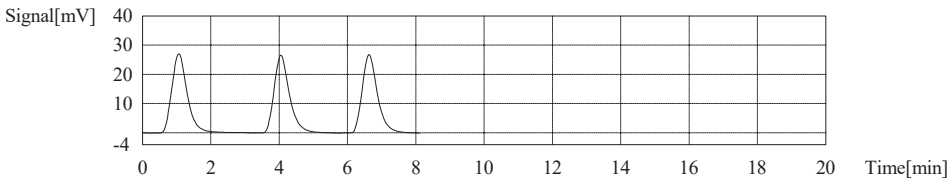
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:26.47mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	85.58	26.77mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 10:46:13 AM
2	84.01	26.28mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 10:49:02 AM
3	84.31	26.37mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 10:51:47 AM

Mean Area: 84.63
Mean Conc.: 26.47mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: 03_27_2023_CAL.cal
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.06468mg/L

1. Det

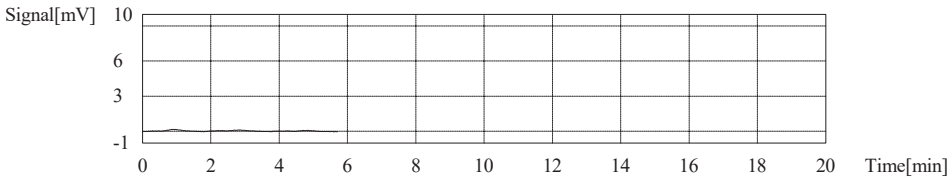
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.4044	0.1265mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 10:59:51 AM
2	0.000	0.000mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 11:01:59 AM
3	0.2159	0.06753mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 11:04:07 AM

TOC-Control L Report

2023_06_10_001.tlx

Mean Area 0.2068
Mean Conc. 0.06468mg/L



Sample

Sample Name: MBLK-06102023
Sample ID:
Origin: 03_27_2023_CAL.cal
Status Completed
Chk. Result

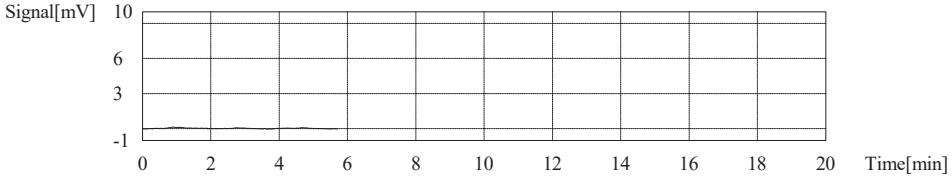
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.02256mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.2164	0.06769mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 11:12:11 AM
2	0.000	0.000mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 11:14:19 AM
3	0.000	0.000mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 11:16:27 AM

Mean Area 0.07213
Mean Conc. 0.02256mg/L



Sample

Sample Name: LCS-06102023
Sample ID: 3100606923
Origin: 03_27_2023_CAL.cal
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:10.24mg/L

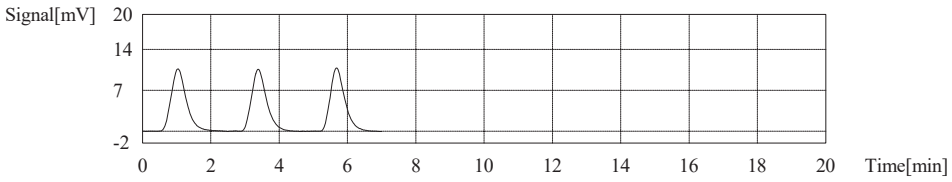
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.13	10.36mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 11:24:58 AM
2	32.59	10.19mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 11:27:32 AM
3	32.48	10.16mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 11:30:06 AM

TOC-Control L Report

Mean Area 32.73
Mean Conc. 10.24mg/L



Sample

Sample Name: LCSD-06102023
Sample ID:
Origin: 03_27_2023_CAL.cal
Status Completed
Chk. Result

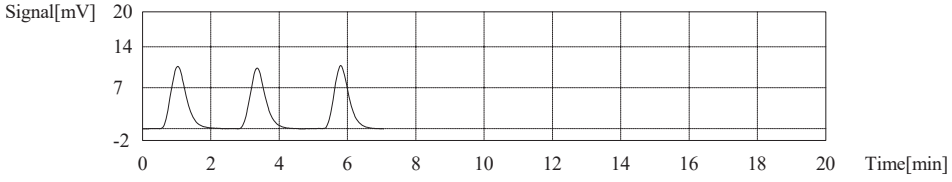
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:10.40mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.80	10.57mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 11:38:33 AM
2	32.91	10.29mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 11:41:17 AM
3	33.05	10.34mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 11:43:48 AM

Mean Area 33.25
Mean Conc. 10.40mg/L



Sample

Sample Name: HS23060280-01
Sample ID:
Origin: 03_27_2023_CAL.cal
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.718mg/L

1. Det

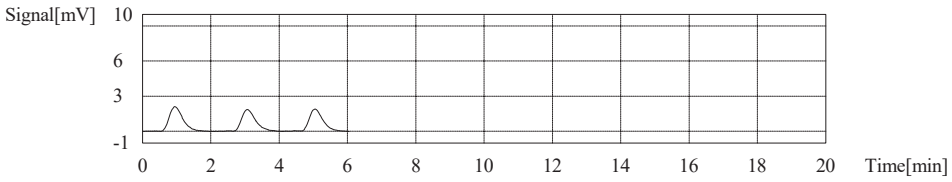
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.961	1.865mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 12:48:17 PM
2	5.291	1.655mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 12:50:30 PM
3	5.229	1.636mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 12:52:41 PM

TOC-Control L Report

2023_06_10_001.tlx

Mean Area 5.494
Mean Conc. 1.718mg/L



Sample

Sample Name: HS23060280-02
Sample ID:
Origin: 03_27_2023_CAL.cal
Status Completed
Chk. Result

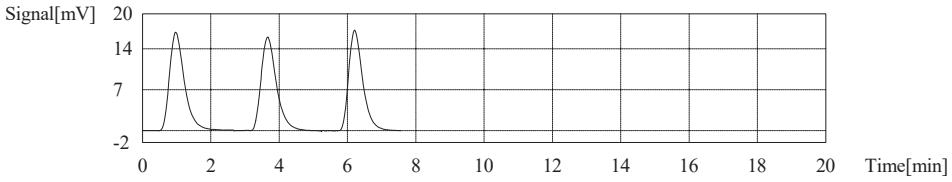
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:15.87mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	51.64	16.15mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 1:01:32 PM
2	50.76	15.88mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 1:04:20 PM
3	49.80	15.58mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 1:06:54 PM

Mean Area 50.73
Mean Conc. 15.87mg/L



Sample

Sample Name: HS23060280-03
Sample ID:
Origin: 03_27_2023_CAL.cal
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:7.252mg/L

1. Det

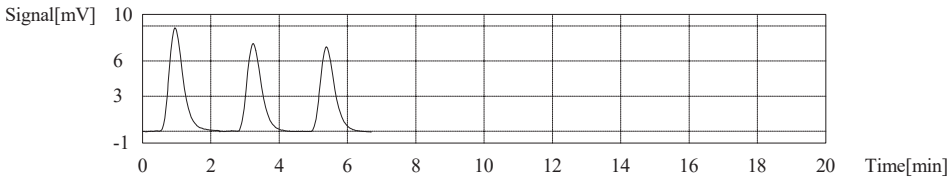
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	25.37	7.936mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 1:15:19 PM
2	22.45	7.022mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 1:17:43 PM
3	21.73	6.797mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 1:20:15 PM

TOC-Control L Report

2023_06_10_001.tlx

Mean Area 23.18
Mean Conc. 7.252mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: 03_27_2023_CAL.cal
Status Completed
Chk. Result

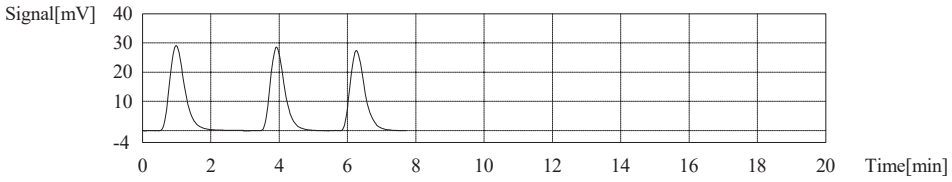
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:26.90mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	90.35	28.26mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 1:29:31 PM
2	84.62	26.47mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 1:32:07 PM
3	83.04	25.97mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 1:34:47 PM

Mean Area 86.00
Mean Conc. 26.90mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: 03_27_2023_CAL.cal
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3139mg/L

1. Det

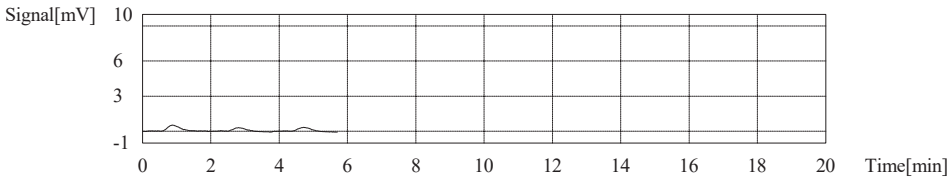
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.261	0.3944mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 1:42:51 PM
2	0.8083	0.2528mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 1:44:59 PM
3	0.9409	0.2943mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 1:47:07 PM

TOC-Control L Report

2023_06_10_001.tlx

Mean Area 1.003
Mean Conc. 0.3139mg/L



Sample

Sample Name: HS23060280-04
Sample ID:
Origin: 03_27_2023_CAL.cal
Status Completed
Chk. Result

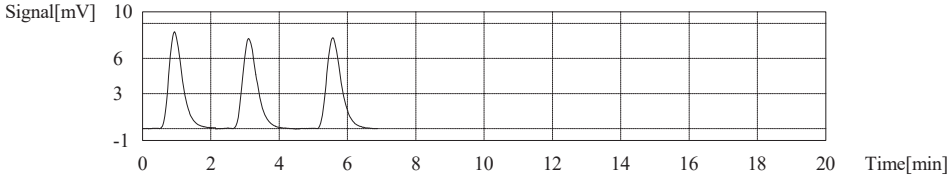
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:7.231mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	22.99	7.191mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 1:55:31 PM
2	23.08	7.219mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 1:58:14 PM
3	23.28	7.282mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 2:00:45 PM

Mean Area 23.12
Mean Conc. 7.231mg/L



Sample

Sample Name: HS23060259-03
Sample ID:
Origin: 03_27_2023_CAL.cal
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:15.28mg/L

1. Det

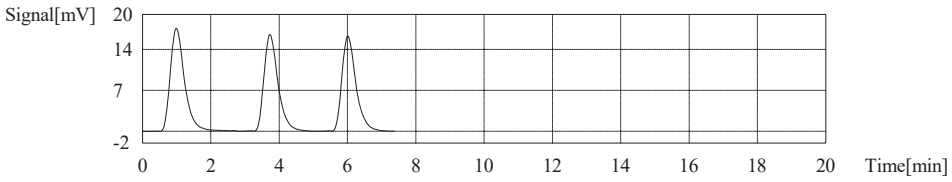
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	51.54	16.12mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 2:09:39 PM
2	47.66	14.91mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 2:12:10 PM
3	47.32	14.80mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 2:14:44 PM

TOC-Control L Report

2023_06_10_001.tlx

Mean Area 48.84
Mean Conc. 15.28mg/L



Sample

Sample Name: HS23060259-03MS
Sample ID:
Origin: 03_27_2023_CAL.cal
Status Completed
Chk. Result

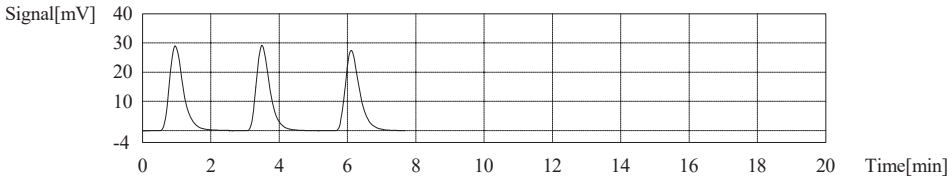
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:25.52mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	82.73	25.88mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 2:23:25 PM
2	81.13	25.38mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 2:26:16 PM
3	80.88	25.30mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 2:29:02 PM

Mean Area 81.58
Mean Conc. 25.52mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: 03_27_2023_CAL.cal
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:26.55mg/L

1. Det

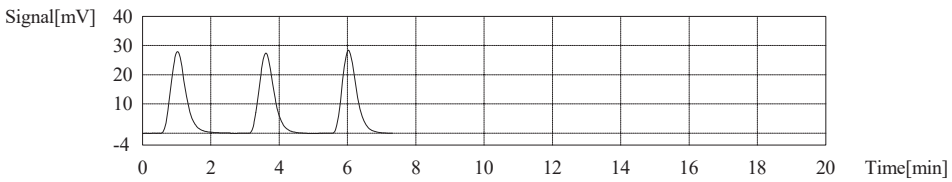
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	85.58	26.77mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 2:51:54 PM
2	84.53	26.44mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 2:54:36 PM
3	84.57	26.45mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 2:57:09 PM

TOC-Control L Report

2023_06_10_001.tlx

Mean Area 84.89
Mean Conc. 26.55mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: 03_27_2023_CAL.cal
Status Completed
Chk. Result

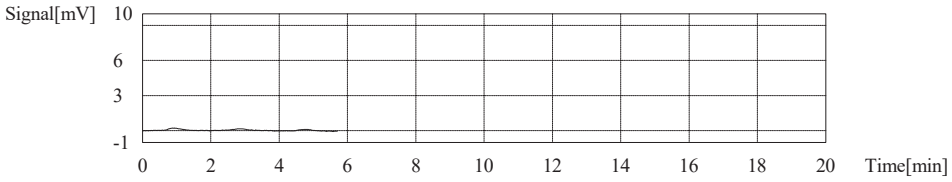
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.1130mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.4505	0.1409mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 3:05:12 PM
2	0.3144	0.09834mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 3:07:19 PM
3	0.3191	0.09981mg/L	50uL	1.000		03_27_2023_CAL.2023_03_27_13_24_18.cal	6/10/2023 3:09:26 PM

Mean Area 0.3613
Mean Conc. 0.1130mg/L



C:\TOC-L\Data\2023_03_27_001.CAL.tlx

	Type	Analysis	Sample Name	Sample ID	Origin	Manual Diluti	Result	Notes
1	Standard	NPOC	CAL	321104406	03_27_2023	1.000		
2	Unknown	NPOC	ICV	3100606923	03_27_2023	1.000	NPOC:10.17mg/L	
3	Unknown	NPOC	ICB		03_27_2023	1.000	NPOC:0.2956mg/L	

C:\TOC-L\Data\2023_03_27_001.CAL.tlx

	Status	Date / Time	Vial
1	Completed	3/27/2023 1	1, 2, 3, 4, 5,
2	Completed	3/27/2023 1:	8
3	Completed	3/27/2023 1:	9

TOC-Control L Report

2023_03_27_001.CAL.tlx

Instr.Information

Instrument Options	TOC/ASI/IC Unit/
Catalyst	Regular Sensitivity

Cal. Curve

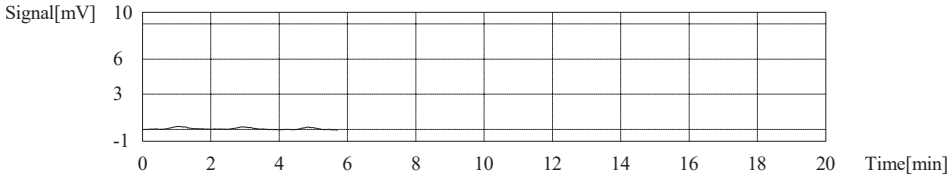
Sample Name:	CAL
Sample ID:	321104406
Cal. Curve:	03_27_2023.2023_03_27_11_08_53.cal
Status	Completed

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	0.7922	50uL	1.000	*******		3/27/2023 11:18:05 AM
2	0.5742	50uL	1.000	*******		3/27/2023 11:20:12 AM
3	0.5345	50uL	1.000	*******		3/27/2023 11:22:19 AM

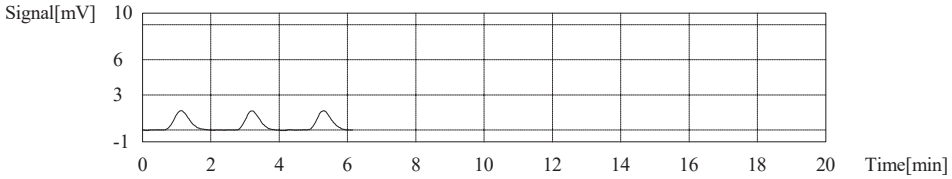
Acid Add.	1.500%
Sparge Gas Flow	80mL/min
Sp. Time	120.0sec
Mean Area	0.6336



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	5.247	50uL	1.000	*******		3/27/2023 11:31:10 AM
2	4.879	50uL	1.000	*******		3/27/2023 11:33:29 AM
3	4.801	50uL	1.000	*******		3/27/2023 11:35:39 AM

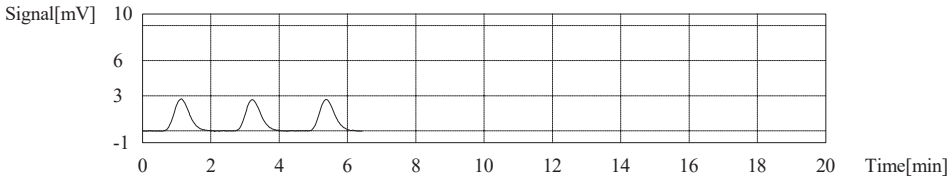
Acid Add.	1.500%
Sparge Gas Flow	80mL/min
Sp. Time	120.0sec
Mean Area	4.976



Conc: 2.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	8.645	50uL	1.000	*******		3/27/2023 11:44:30 AM
2	8.568	50uL	1.000	*******		3/27/2023 11:46:55 AM
3	8.456	50uL	1.000	*******		3/27/2023 11:49:18 AM

Acid Add.	1.500%
Sparge Gas Flow	80mL/min
Sp. Time	120.0sec
Mean Area	8.556



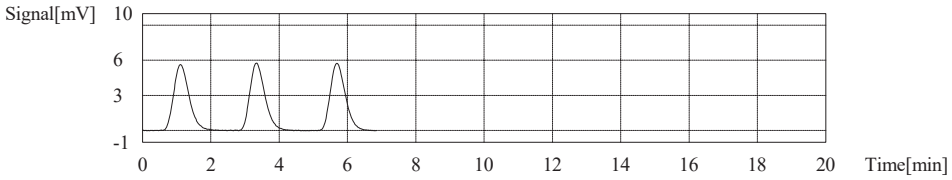
TOC-Control L Report

2023_03_27_001.CAL.tlx

Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	17.62	50uL	1.000	*******		3/27/2023 11:58:17 AM
2	17.78	50uL	1.000	*******		3/27/2023 12:00:52 PM
3	17.85	50uL	1.000	*******		3/27/2023 12:03:21 PM

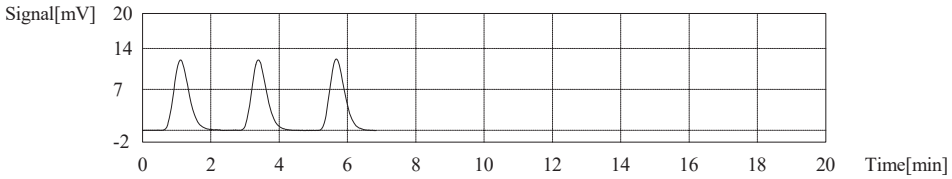
Acid Add. 1.500%
Sparge Gas Flow 80mL/min
Sp. Time 120.0sec
Mean Area 17.75



Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	37.41	50uL	1.000	*******		3/27/2023 12:12:23 PM
2	37.21	50uL	1.000	*******		3/27/2023 12:14:55 PM
3	37.82	50uL	1.000	*******		3/27/2023 12:17:24 PM

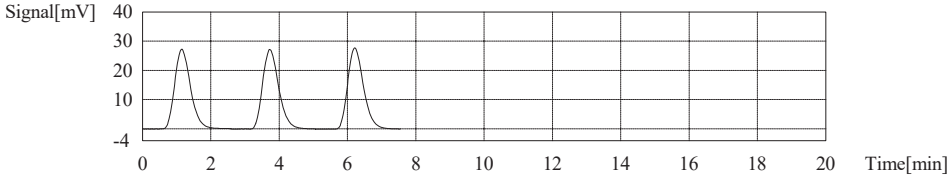
Acid Add. 1.500%
Sparge Gas Flow 80mL/min
Sp. Time 120.0sec
Mean Area 37.48



Conc: 25.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	88.89	50uL	1.000	*******		3/27/2023 12:26:44 PM
2	90.49	50uL	1.000	*******		3/27/2023 12:29:28 PM
3	90.66	50uL	1.000	*******		3/27/2023 12:32:10 PM

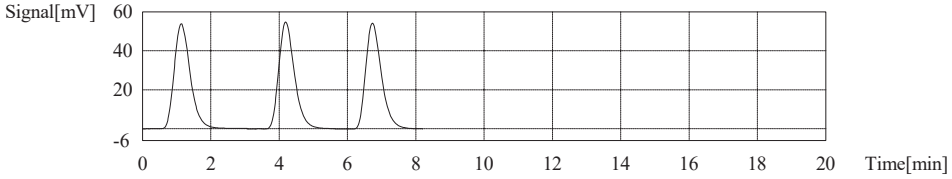
Acid Add. 1.500%
Sparge Gas Flow 80mL/min
Sp. Time 120.0sec
Mean Area 90.01



Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	178.1	50uL	1.000	*******		3/27/2023 12:41:59 PM
2	177.1	50uL	1.000	*******		3/27/2023 12:44:49 PM
3	175.6	50uL	1.000	*******		3/27/2023 12:47:38 PM

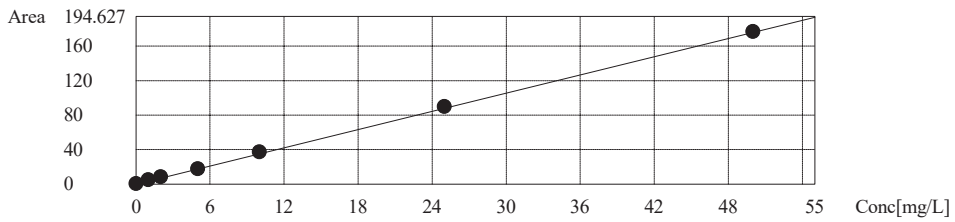
Acid Add. 1.500%
Sparge Gas Flow 80mL/min
Sp. Time 120.0sec
Mean Area 176.9



TOC-Control L Report

2023_03_27_001.CAL.tlx

Slope:	3.523
Intercept	0.000
r^2	0.9999
r	0.9999
RSE(%)	N/A
Zero Shift	Yes



Sample

Sample Name:	ICV
Sample ID:	3100606923
Origin:	03_27_2023.cal
Status	Completed
Chk. Result	

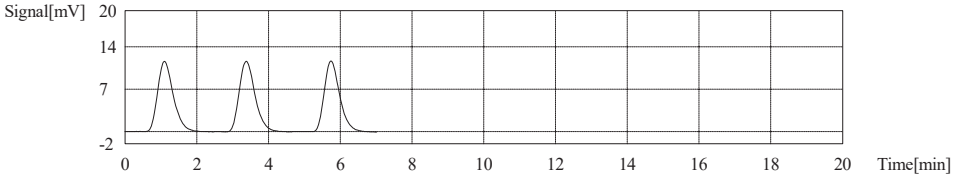
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:10.17mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	35.87	10.18mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	3/27/2023 12:56:39 PM
2	36.02	10.22mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	3/27/2023 12:59:15 PM
3	35.59	10.10mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	3/27/2023 1:01:50 PM

Mean Area	35.83
Mean Conc.	10.17mg/L



Sample

Sample Name:	ICB
Sample ID:	
Origin:	03_27_2023.cal
Status	Completed
Chk. Result	

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.2956mg/L

1. Det

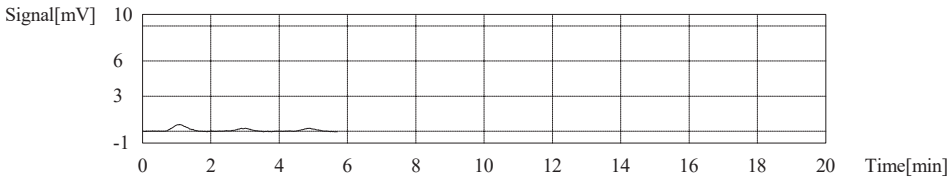
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.702	0.4831mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	3/27/2023 1:10:29 PM
2	0.6543	0.1857mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	3/27/2023 1:12:36 PM
3	0.7673	0.2178mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	3/27/2023 1:14:43 PM

TOC-Control L Report

2023_03_27_001.CAL.tlx

Mean Area	1.041
Mean Conc.	0.2956mg/L



C:\TOC-L\Data\2023_06_16_001.tlx

	Type	Analysis	Sample Name	Sample ID	Origin	Manual Diluti	Result	Notes
1	Unknown	NPOC	CCV	321107307	03_27_2023	1.000	NPOC:25.04mg/L	
2	Unknown	NPOC	CCB		03_27_2023	1.000	NPOC:0.1826mg/L	
3	Unknown	NPOC	MBLK-06152023		03_27_2023	1.000	NPOC:0.04382mg/L	
4	Unknown	NPOC	LCS-06152023	3100606923	03_27_2023	1.000	NPOC:11.17mg/L	
5	Unknown	NPOC	LCSD-06152023		03_27_2023	1.000	NPOC:10.90mg/L	
6	Unknown	NPOC	HS23060692-01DF	TOC_W	03_27_2023	1.000	NPOC:9.951mg/L	
7	Unknown	NPOC	HS23060692-01MS		03_27_2023	1.000	NPOC:20.17mg/L	
8	Unknown	NPOC	HS23060820-01		03_27_2023	1.000	NPOC:2.639mg/L	
9	Unknown	NPOC	HS23060776-04		03_27_2023	1.000	NPOC:0.7646mg/L	
10	Unknown	NPOC	HS23060776-05		03_27_2023	1.000	NPOC:0.8844mg/L	
11	Unknown	NPOC	HS23060776-06		03_27_2023	1.000	NPOC:0.4289mg/L	
12	Unknown	NPOC	HS23060280-05		03_27_2023	1.000	NPOC:12.65mg/L	
13	Unknown	NPOC	CCV		03_27_2023	1.000	NPOC:25.40mg/L	
14	Unknown	NPOC	CCB		03_27_2023	1.000	NPOC:0.07507mg/L	
15	Unknown	NPOC	HS23060280-06		03_27_2023	1.000	NPOC:7.347mg/L	
16	Unknown	NPOC	CCV		03_27_2023	1.000	NPOC:25.26mg/L	
17	Unknown	NPOC	CCB		03_27_2023	1.000	NPOC:0.1334mg/L	

	Status	Date / Time	Vial
1	Completed	6/16/2023 9:	1
2	Completed	6/16/2023 9:	2
3	Completed	6/16/2023 9:	3
4	Completed	6/16/2023 9:	4
5	Completed	6/16/2023 1	5
6	Completed	6/16/2023 1	6
7	Completed	6/16/2023 1	7
8	Completed	6/16/2023 1	8
9	Completed	6/16/2023 1	9
10	Completed	6/16/2023 1	10
11	Completed	6/16/2023 1	11
12	Completed	6/16/2023 1	12
13	Completed	6/16/2023 1	1
14	Completed	6/16/2023 1	2
15	Completed	6/16/2023 1	13
16	Completed	6/16/2023 1:	1
17	Completed	6/16/2023 1:	2

TOC-Control L Report

Instr.Information

Instrument Options: TOC/ASI/IC Unit/
Catalyst: Regular Sensitivity

Sample

Sample Name: CCV
Sample ID: 321107307
Origin: 03_27_2023.cal
Status: Completed
Chk. Result

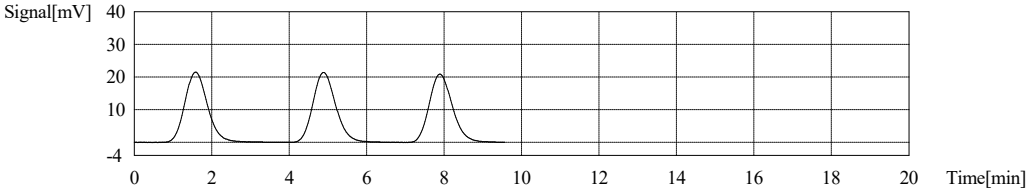
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:25.04mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	88.10	25.01mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 9:02:04 AM
2	88.56	25.14mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 9:05:20 AM
3	87.94	24.96mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 9:08:49 AM

Mean Area 88.20
Mean Conc. 25.04mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: 03_27_2023.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.1826mg/L

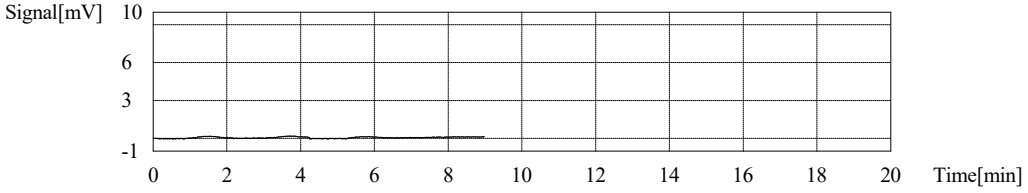
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.7896	0.2241mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 9:17:48 AM
2	0.3098	0.08794mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 9:20:01 AM
3	0.8303	0.2357mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 9:25:01 AM

TOC-Control L Report

Mean Area 0.6432
Mean Conc. 0.1826mg/L



Sample

Sample Name: MBLK-06152023
Sample ID:
Origin: 03_27_2023.cal
Status Completed
Chk. Result

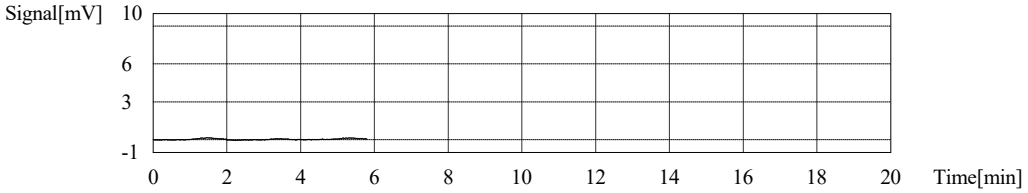
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.04382mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.3030	0.08601mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 9:33:45 AM
2	0.1601	0.04545mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 9:35:55 AM
3	0.000	0.000mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 9:38:03 AM

Mean Area 0.1544
Mean Conc. 0.04382mg/L



Sample

Sample Name: LCS-06152023
Sample ID: 3100606923
Origin: 03_27_2023.cal
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:11.17mg/L

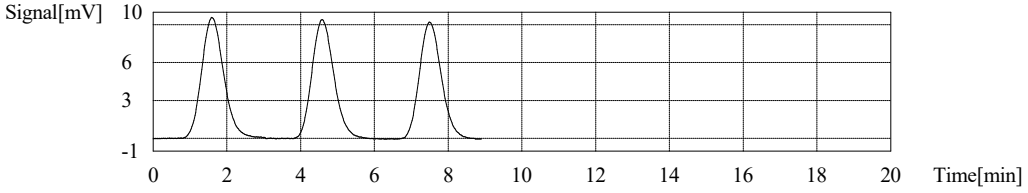
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	40.17	11.40mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 9:47:50 AM
2	39.22	11.13mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 9:50:59 AM
3	38.69	10.98mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 9:54:10 AM

TOC-Control L Report

Mean Area 39.36
Mean Conc. 11.17mg/L



Sample

Sample Name: LCSD-06152023
Sample ID:
Origin: 03_27_2023.cal
Status Completed
Chk. Result

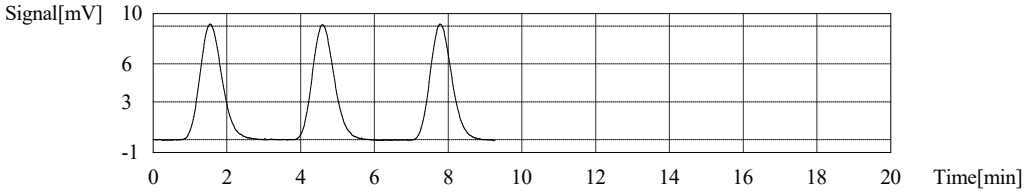
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:10.90mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	38.52	10.93mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 10:03:57 AM
2	38.25	10.86mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 10:07:22 AM
3	38.40	10.90mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 10:10:40 AM

Mean Area 38.39
Mean Conc. 10.90mg/L



Sample

Sample Name: HS23060692-01DF50
Sample ID: TOC_W
Origin: 03_27_2023.cal
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:9.951mg/L

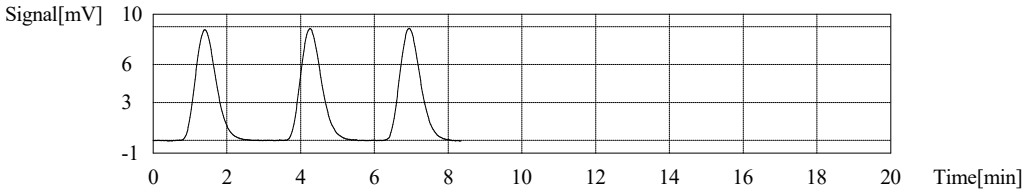
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.58	9.816mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 10:20:16 AM
2	35.20	9.992mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 10:23:10 AM
3	35.39	10.05mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 10:26:12 AM

TOC-Control L Report

Mean Area 35.06
Mean Conc. 9.951mg/L



Sample

Sample Name: HS23060692-01MSDF50
Sample ID:
Origin: 03_27_2023.cal
Status Completed
Chk. Result

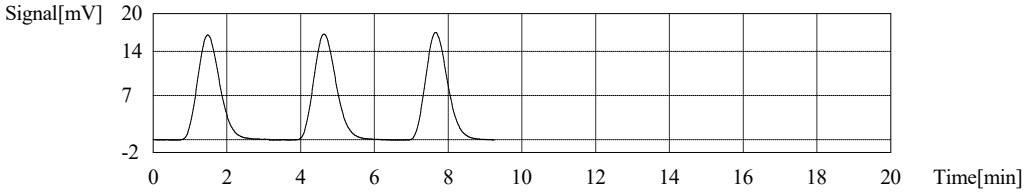
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:20.17mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	70.30	19.96mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 10:36:06 AM
2	71.23	20.22mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 10:39:23 AM
3	71.65	20.34mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 10:42:42 AM

Mean Area 71.06
Mean Conc. 20.17mg/L



Sample

Sample Name: HS23060280-05
Sample ID:
Origin: 03_27_2023.cal
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:12.65mg/L

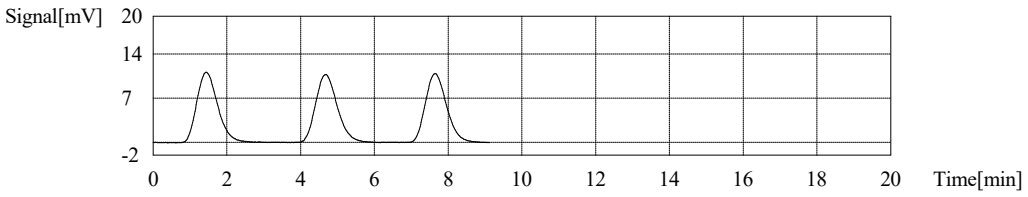
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	44.70	12.69mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 11:52:38 AM
2	44.72	12.69mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 11:55:51 AM
3	44.26	12.56mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 11:59:01 AM

TOC-Control L Report

Mean Area 44.56
Mean Conc. 12.65mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: 03_27_2023.cal
Status Completed
Chk. Result

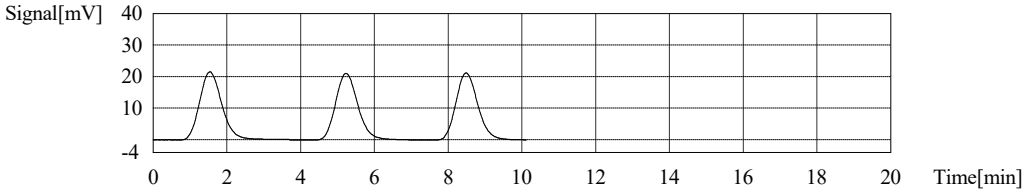
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:25.40mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	90.94	25.81mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 12:09:37 PM
2	88.97	25.26mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 12:13:07 PM
3	88.48	25.12mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 12:16:31 PM

Mean Area 89.46
Mean Conc. 25.40mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: 03_27_2023.cal
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.07507mg/L

1. Det

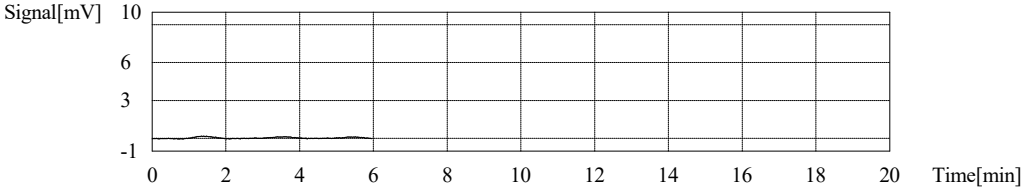
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.7934	0.2252mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 12:25:25 PM
2	0.000	0.000mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 12:27:32 PM
3	0.000	0.000mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 12:29:39 PM

TOC-Control L Report

2023_06_16_001.tlx

Mean Area 0.2645
Mean Conc. 0.07507mg/L



Sample

Sample Name: HS23060280-06
Sample ID:
Origin: 03_27_2023.cal
Status Completed
Chk. Result

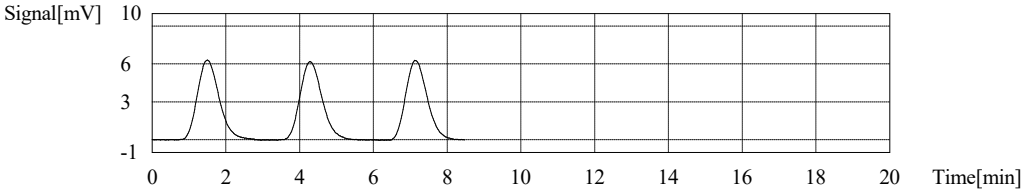
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:7.347mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	25.83	7.332mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 12:39:17 PM
2	26.17	7.429mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 12:42:23 PM
3	25.65	7.281mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 12:45:25 PM

Mean Area 25.88
Mean Conc. 7.347mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: 03_27_2023.cal
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:25.26mg/L

1. Det

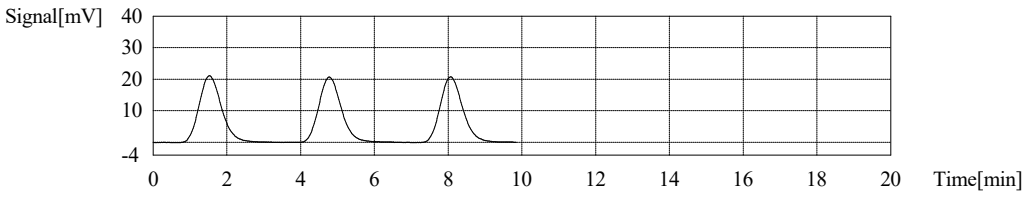
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	89.90	25.52mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 12:55:34 PM
2	88.05	24.99mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 12:59:06 PM
3	88.98	25.26mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 1:02:40 PM

TOC-Control L Report

2023_06_16_001.tlx

Mean Area 88.98
Mean Conc. 25.26mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: 03_27_2023.cal
Status Completed
Chk. Result

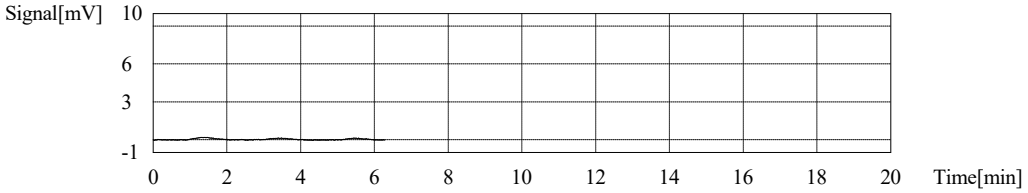
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.1334mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6036	0.1713mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 1:11:27 PM
2	0.4511	0.1281mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 1:13:46 PM
3	0.3553	0.1009mg/L	50uL	1.000		03_27_2023.2023_03_27_11_08_53.cal	6/16/2023 1:16:11 PM

Mean Area 0.4700
Mean Conc. 0.1334mg/L



HS23060280 Eurofin Lab J129509-1 Std_Tal_L4 Final Report

ALS WO# HS23060280

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Dane Wacasey
ALS Group USA, Corp
10450 Stancliff Rd.
Suite 210
Houston TX 77099

Generated 6/15/2023 10:26 AM

JOB DESCRIPTION

HS23060280

JOB NUMBER

410-129509-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

See page two for job notes and contact information.

my EOL

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
6/15/2023 10:26 AM

Authorized for release by
Kelly Bauer, Project Manager
Kelly.Bauer@et.eurofinsus.com
717 556-7262

Eurofins Lancaster Laboratories Environment Testing, LLC

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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Client Sample Results

Client: ALS Group USA, Corp
Project/Site: HS23060280

Job ID: 410-129509-1

Client Sample ID: HS23060280-01
Lab Sample ID: 410-129509-1
Date Collected: 06/05/23 06:55
Matrix: Water
Date Received: 06/07/23 09:55

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Carbon dioxide	92000		12000		2600	ug/L		06/14/23 11:18	1

Client Sample ID: HS23060280-02
Lab Sample ID: 410-129509-2
Date Collected: 06/05/23 07:45
Matrix: Water
Date Received: 06/07/23 09:55

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Carbon dioxide	200000	M	12000		2600	ug/L		06/14/23 11:26	1

Client Sample ID: HS23060280-03
Lab Sample ID: 410-129509-3
Date Collected: 06/05/23 08:30
Matrix: Water
Date Received: 06/07/23 09:55

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Carbon dioxide	130000		12000		2600	ug/L		06/14/23 11:34	1

Client Sample ID: HS23060280-04
Lab Sample ID: 410-129509-4
Date Collected: 06/05/23 09:15
Matrix: Water
Date Received: 06/07/23 09:55

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Carbon dioxide	110000		12000		2600	ug/L		06/14/23 11:42	1

Client Sample ID: HS23060280-05
Lab Sample ID: 410-129509-5
Date Collected: 06/05/23 10:05
Matrix: Water
Date Received: 06/07/23 09:55

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Carbon dioxide	220000	M	12000		2600	ug/L		06/14/23 11:50	1

Client Sample ID: HS23060280-06
Lab Sample ID: 410-129509-6
Date Collected: 06/05/23 10:55
Matrix: Water
Date Received: 06/07/23 09:55

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Carbon dioxide	250000	M	12000		2600	ug/L		06/14/23 11:58	1

Method RSK-175 CO2 DOD

Dissolved Gases (GC) by Method RSK_175_CO2 DOD

FORM III
GC VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-129509-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 312023_06_14BB.0004.d

Lab ID: LCS 410-386428/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Carbon dioxide	35800	32900	92	80-122	

Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM III
GC VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-129509-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 312023_06_14BB.0005.d

Lab ID: LCSD 410-386428/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Carbon dioxide	35800	34100	95	4	20	80-122	

Column to be used to flag recovery and RPD values

FORM III RSK-175

FORM IV
GC VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-129509-1

SDG No.:

Lab File ID: 312023_06_14BB.0003.d Lab Sample ID: MB 410-386428/1-A

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: 19506-B Date Analyzed: 06/14/2023 09:16

GC Column: HP Plot ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-386428/2-A	312023_06_14BB.0004.d	06/14/2023 09:
	LCSD 410-386428/3-A	312023_06_14BB.0005.d	06/14/2023 09:
HS23060280-01	410-129509-1	312023_06_14BB.0018.d	06/14/2023 11:
HS23060280-02	410-129509-2	312023_06_14BB.0019.d	06/14/2023 11:
HS23060280-03	410-129509-3	312023_06_14BB.0020.d	06/14/2023 11:
HS23060280-04	410-129509-4	312023_06_14BB.0021.d	06/14/2023 11:
HS23060280-05	410-129509-5	312023_06_14BB.0022.d	06/14/2023 11:
HS23060280-06	410-129509-6	312023_06_14BB.0023.d	06/14/2023 11:

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-129509-1

SDG No.:

Client Sample ID: HS23060280-01 Lab Sample ID: 410-129509-1

Matrix: Water Lab File ID: 312023_06_14BB.0018.d

Analysis Method: RSK-175 Date Collected: 06/05/2023 06:55

Sample wt/vol: 5(mL) Date Analyzed: 06/14/2023 11:18

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: HP Plot ID: 0.53(mm)

Purge Volume: Heated Purge: (Y/N) N pH: 7.0

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 386376 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	DL
124-38-9	Carbon dioxide	92000		12000	2600

Report Date: 14-Jun-2023 14:30:55

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\312023_06_14BB.0018.d				
Lims ID:	410-129509-A-1-A				
Client ID:	HS23060280-01				
Sample Type:	Client				
Inject. Date:	14-Jun-2023 11:18:00	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	1.000 mL	Dil. Factor:	1.0000		
Sample Info:					
Misc. Info.:	410-0086555-018				
Operator ID:		Instrument ID:	19506-B		
Method:	\\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\RSK_CO2_19506B.m				
Limit Group:	GCV - RSK175 CO2				
Last Update:	14-Jun-2023 14:30:53	Calib Date:	27-Apr-2023 10:37:00		
Integrator:	Genie				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0010.d				
Column 1 :	HP Plot (0.00 mm)		Det: 0FIDA		
Process Host:	CTX1625				

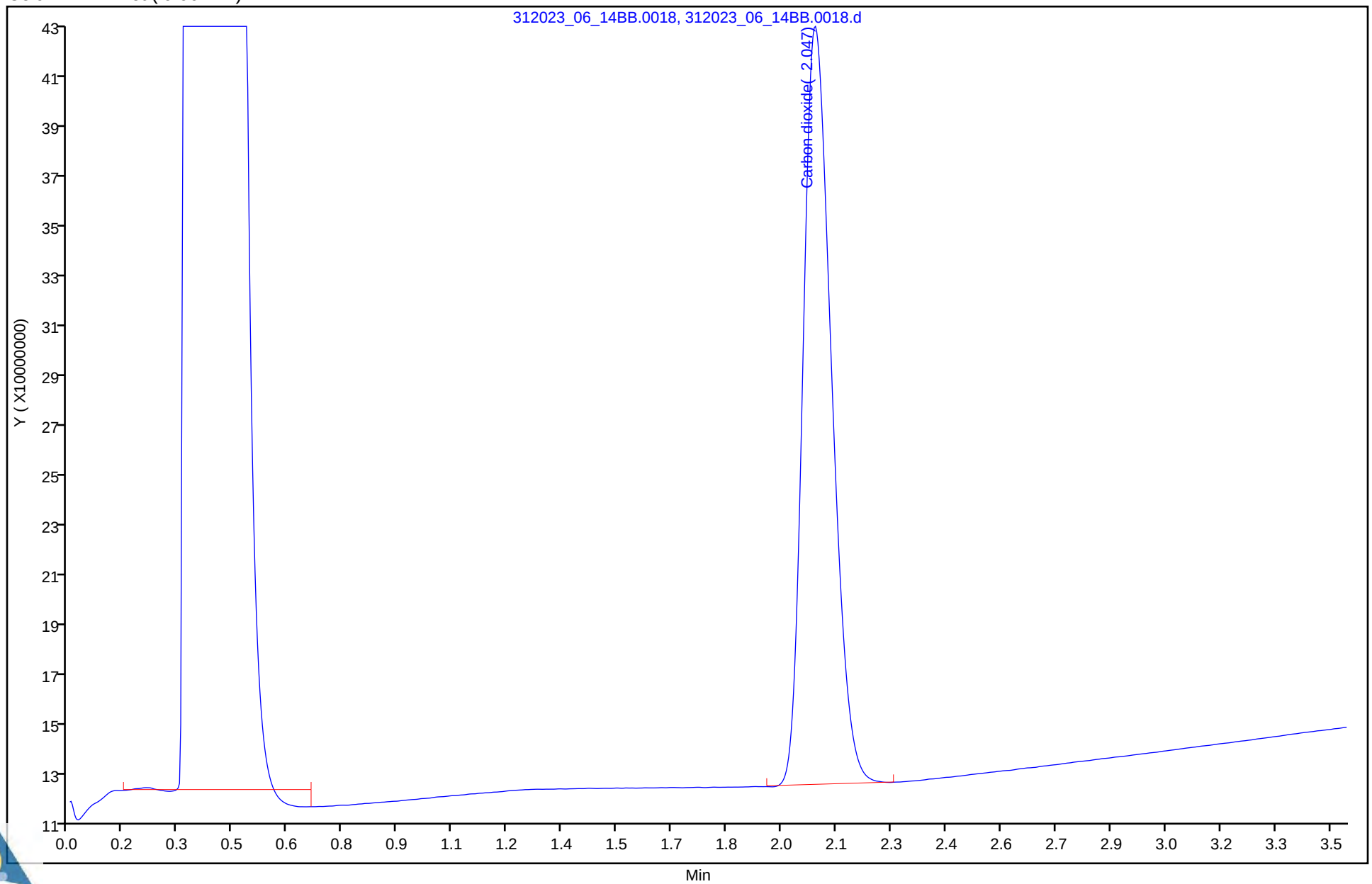
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
1 Carbon dioxide	2.047	2.061	-0.014	302690428	92000	H

Report Date: 14-Jun-2023 14:30:55 Chrom Revision: 2.3 05-Jun-2023 19:02:10

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\312023_06_14BB.0018.d				
Injection Date:	14-Jun-2023 11:18:00	Instrument ID:	19506-B	Operator ID:	
Lims ID:	410-129509-A-1-A	Lab Sample ID:	410-129509-1	Worklist Smp#:	18
Client ID:	HS23060280-01				
Purge Vol:	1.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	RSK_CO2_19506B	Limit Group:	GCV - RSK175 CO2		

Column: HP Plot (0.00 mm)



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-129509-1

SDG No.:

Client Sample ID: HS23060280-02
Lab Sample ID: 410-129509-2

Matrix: Water
Lab File ID: 312023_06_14BB.0019.d

Analysis Method: RSK-175
Date Collected: 06/05/2023 07:45

Sample wt/vol: 5(mL)
Date Analyzed: 06/14/2023 11:26

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: HP Plot ID: 0.53(mm)

Purge Volume:
Heated Purge: (Y/N) N pH: 7.0

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 386376
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	DL
124-38-9	Carbon dioxide	200000	M	12000	2600

Report Date: 14-Jun-2023 14:30:56

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\312023_06_14BB.0019.d				
Lims ID:	410-129509-A-2-A				
Client ID:	HS23060280-02				
Sample Type:	Client				
Inject. Date:	14-Jun-2023 11:26:00	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	1.000 mL	Dil. Factor:	1.0000		
Sample Info:					
Misc. Info.:	410-0086555-019				
Operator ID:		Instrument ID:	19506-B		
Method:	\\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\RSK_CO2_19506B.m				
Limit Group:	GCV - RSK175 CO2				
Last Update:	14-Jun-2023 14:30:53	Calib Date:	27-Apr-2023 10:37:00		
Integrator:	Genie				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0010.d				
Column 1 :	HP Plot (0.00 mm)		Det: 0FIDA		
Process Host:	CTX1625				
First Level Reviewer: LXF2		Date:	14-Jun-2023 14:30:21		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
1 Carbon dioxide	2.024	2.061	-0.037	644602896H	195921	a

QC Flag Legend

Processing Flags
H - Response Measured by Height
Review Flags
a - User Assigned ID

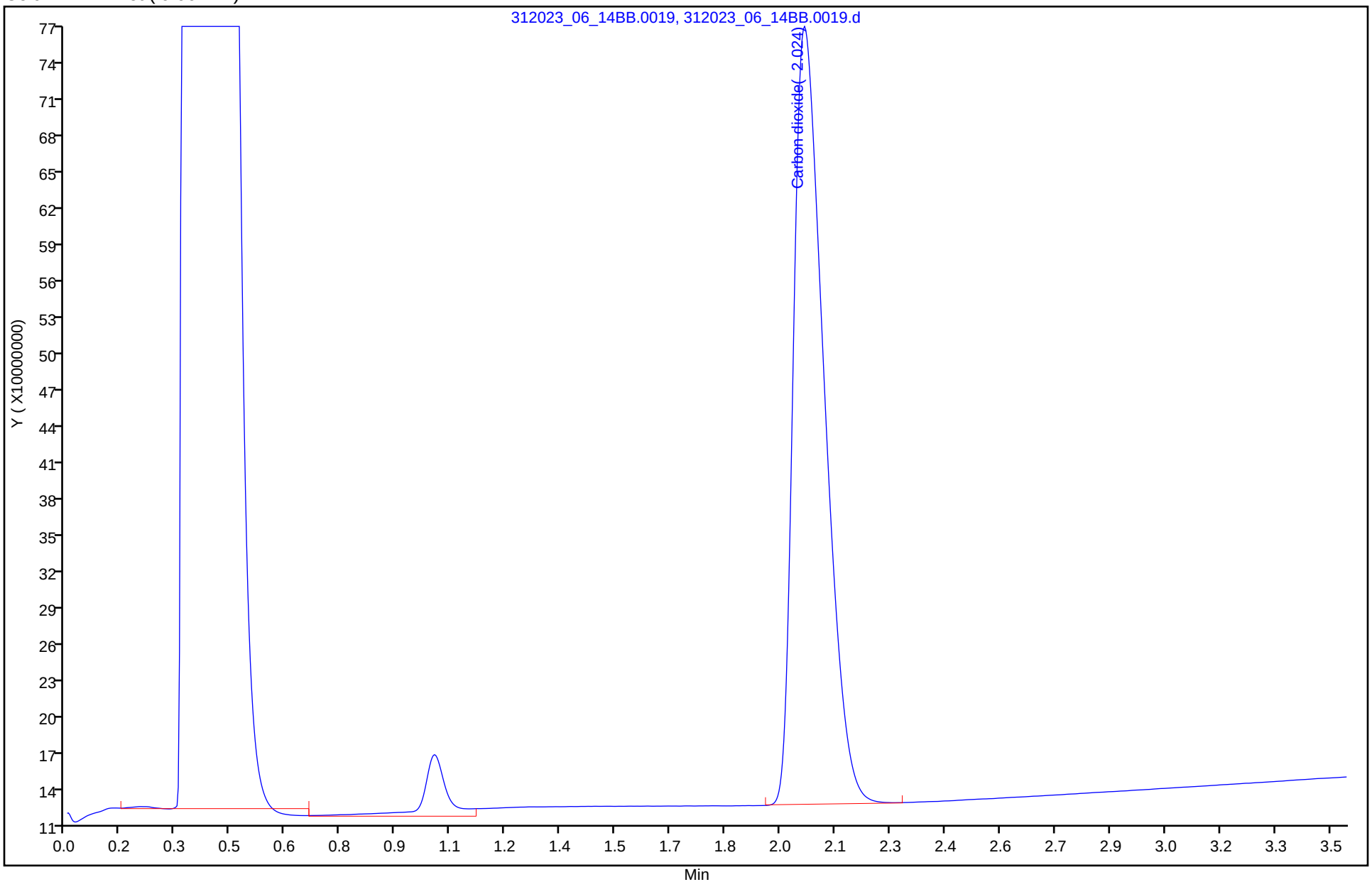
Report Date: 14-Jun-2023 14:30:56 Chrom Revision: 2.3 05-Jun-2023 19:02:10

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\312023_06_14BB.0019.d

Injection Date:	14-Jun-2023 11:26:00	Instrument ID:	19506-B	Operator ID:	
Lims ID:	410-129509-A-2-A	Lab Sample ID:	410-129509-2	Worklist Smp#:	19
Client ID:	HS23060280-02				
Purge Vol:	1.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	RSK_CO2_19506B	Limit Group:	GCV - RSK175 CO2		

Column: HP Plot (0.00 mm)



Report Date: 14-Jun-2023 14:30:56 Chrom Revision: 2.3 05-Jun-2023 19:02:10 Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

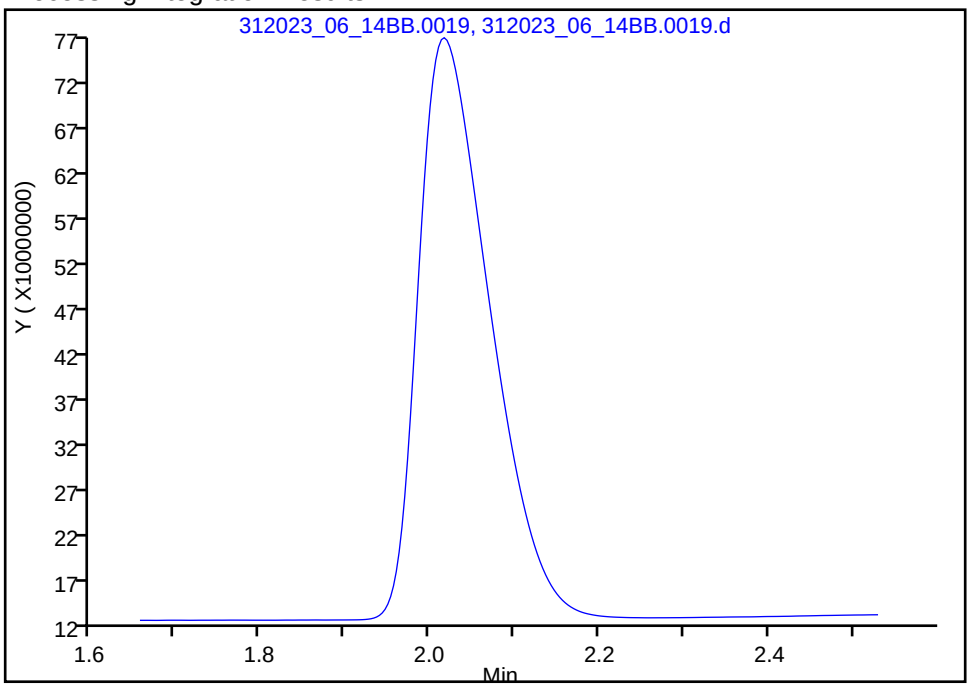
Data File:	\\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\312023_06_14BB.0019.d		
Injection Date:	14-Jun-2023 11:26:00	Instrument ID:	19506-B
Lims ID:	410-129509-A-2-A	Lab Sample ID:	410-129509-2
Client ID:	HS23060280-02		
Operator ID:		ALS Bottle#:	0 Worklist Smp#: 19
Purge Vol:	1.000 mL	Dil. Factor:	1.0000
Method:	RSK_CO2_19506B	Limit Group:	GCV - RSK175 CO2
Column:	HP Plot (0.00 mm)	Detector	0FIDA

1 Carbon dioxide, CAS: 124-38-9

Signal: 1

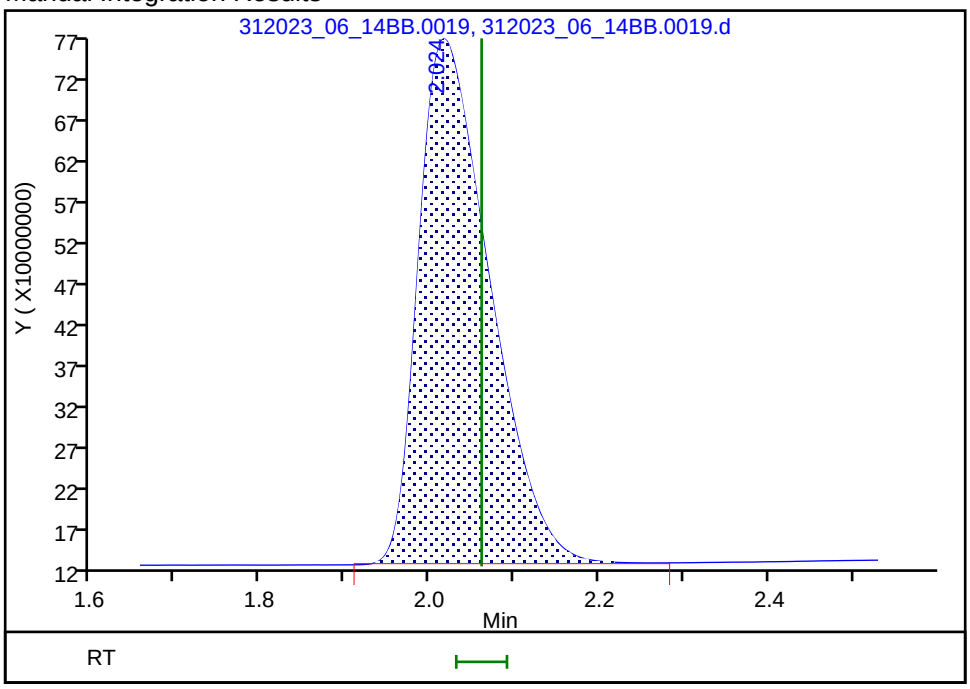
Not Detected
Expected RT: 2.06

Processing Integration Results



Manual Integration Results

RT: 2.02
Height: 644602896
Amount: 195921
Amount Units: ug/l



Reviewer: LXF2, 14-Jun-2023 14:30:20 -04:00:00 (UTC)
Audit Action: Assigned Compound ID

Audit Reason: Peak not integrated

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-129509-1

SDG No.:

Client Sample ID: HS23060280-03 Lab Sample ID: 410-129509-3

Matrix: Water Lab File ID: 312023_06_14BB.0020.d

Analysis Method: RSK-175 Date Collected: 06/05/2023 08:30

Sample wt/vol: 5(mL) Date Analyzed: 06/14/2023 11:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: HP Plot ID: 0.53(mm)

Purge Volume: Heated Purge: (Y/N) N pH: 7.0

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 386376 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	DL
124-38-9	Carbon dioxide	130000		12000	2600

Report Date: 14-Jun-2023 14:30:56

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\312023_06_14BB.0020.d				
Lims ID:	410-129509-A-3-A				
Client ID:	HS23060280-03				
Sample Type:	Client				
Inject. Date:	14-Jun-2023 11:34:00	ALS Bottle#:	0	Worklist Smp#:	20
Purge Vol:	1.000 mL	Dil. Factor:	1.0000		
Sample Info:					
Misc. Info.:	410-0086555-020				
Operator ID:		Instrument ID:	19506-B		
Method:	\\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\RSK_CO2_19506B.m				
Limit Group:	GCV - RSK175 CO2				
Last Update:	14-Jun-2023 14:30:53	Calib Date:	27-Apr-2023 10:37:00		
Integrator:	Genie				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0010.d				
Column 1 :	HP Plot (0.00 mm)		Det: 0FIDA		
Process Host:	CTX1625				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
1 Carbon dioxide	2.038	2.061	-0.023	433856655	131866	H

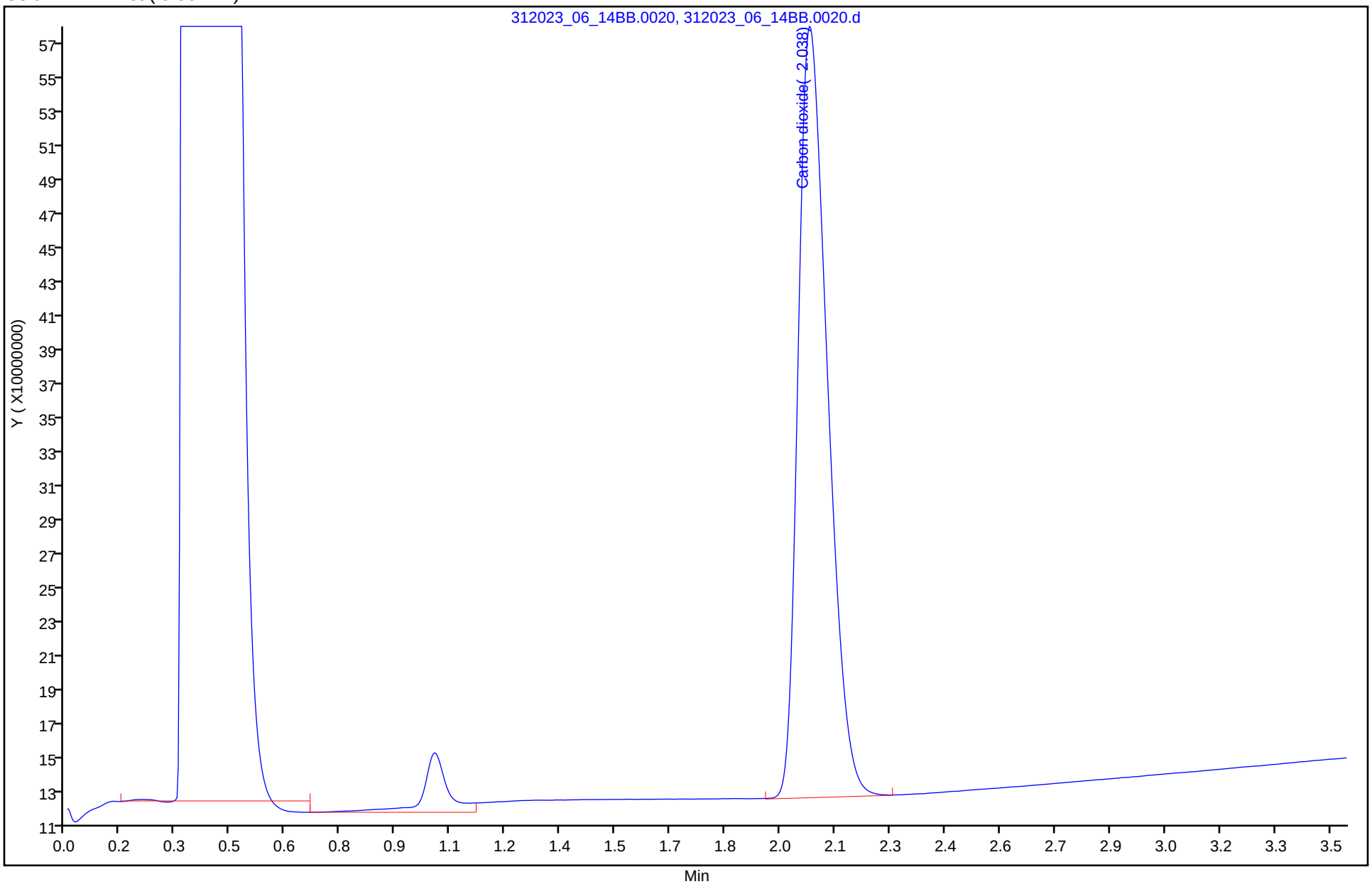
Report Date: 14-Jun-2023 14:30:56 Chrom Revision: 2.3 05-Jun-2023 19:02:10

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\312023_06_14BB.0020.d

Injection Date:	14-Jun-2023 11:34:00	Instrument ID:	19506-B	Operator ID:	
Lims ID:	410-129509-A-3-A	Lab Sample ID:	410-129509-3	Worklist Smp#:	20
Client ID:	HS23060280-03				
Purge Vol:	1.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	RSK_CO2_19506B	Limit Group:	GCV - RSK175 CO2		

Column: HP Plot (0.00 mm)



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-129509-1

SDG No.:

Client Sample ID: HS23060280-04 Lab Sample ID: 410-129509-4

Matrix: Water Lab File ID: 312023_06_14BB.0021.d

Analysis Method: RSK-175 Date Collected: 06/05/2023 09:15

Sample wt/vol: 5(mL) Date Analyzed: 06/14/2023 11:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: HP Plot ID: 0.53(mm)

Purge Volume: Heated Purge: (Y/N) N pH: 7.0

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 386376 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	DL
124-38-9	Carbon dioxide	110000		12000	2600

Report Date: 14-Jun-2023 14:30:56

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\312023_06_14BB.0021.d				
Lims ID:	410-129509-A-4-A				
Client ID:	HS23060280-04				
Sample Type:	Client				
Inject. Date:	14-Jun-2023 11:42:00	ALS Bottle#:	0	Worklist Smp#:	21
Purge Vol:	1.000 mL	Dil. Factor:	1.0000		
Sample Info:					
Misc. Info.:	410-0086555-021				
Operator ID:		Instrument ID:	19506-B		
Method:	\\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\RSK_CO2_19506B.m				
Limit Group:	GCV - RSK175 CO2				
Last Update:	14-Jun-2023 14:30:53	Calib Date:	27-Apr-2023 10:37:00		
Integrator:	Genie				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0010.d				
Column 1 :	HP Plot (0.00 mm)		Det: 0FIDA		
Process Host:	CTX1625				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
1 Carbon dioxide	2.044	2.061	-0.017	349384473H	106192	

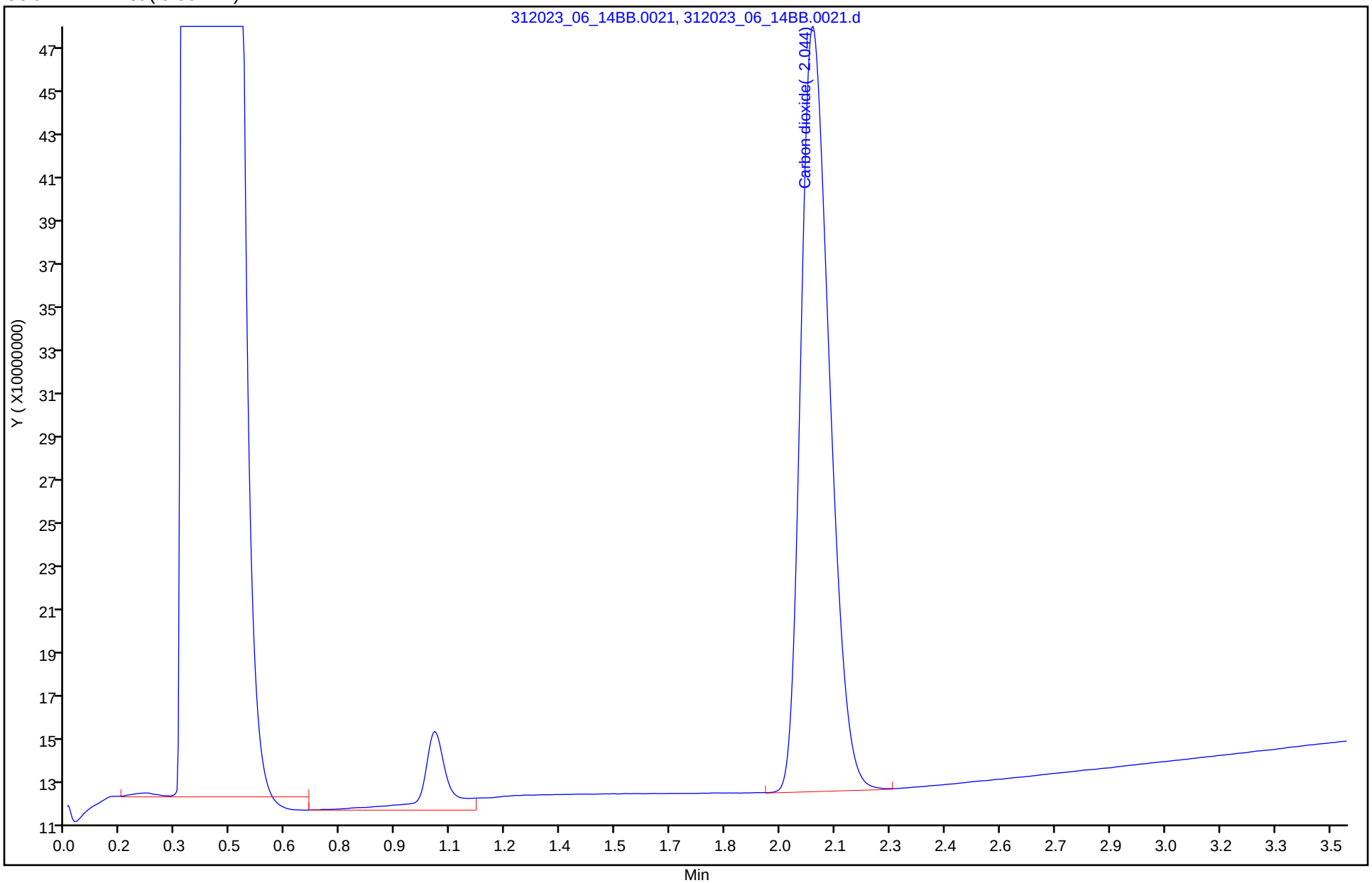
Report Date: 14-Jun-2023 14:30:56 Chrom Revision: 2.3 05-Jun-2023 19:02:10

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\312023_06_14BB.0021.d

Injection Date:	14-Jun-2023 11:42:00	Instrument ID:	19506-B	Operator ID:	
Lims ID:	410-129509-A-4-A	Lab Sample ID:	410-129509-4	Worklist Smp#:	21
Client ID:	HS23060280-04				
Purge Vol:	1.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	RSK_CO2_19506B	Limit Group:	GCV - RSK175 CO2		

Column: HP Plot (0.00 mm)



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-129509-1

SDG No.:

Client Sample ID: HS23060280-05 Lab Sample ID: 410-129509-5

Matrix: Water Lab File ID: 312023_06_14BB.0022.d

Analysis Method: RSK-175 Date Collected: 06/05/2023 10:05

Sample wt/vol: 5(mL) Date Analyzed: 06/14/2023 11:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: HP Plot ID: 0.53(mm)

Purge Volume: Heated Purge: (Y/N) N pH: 7.0

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 386376 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	DL
124-38-9	Carbon dioxide	220000	M	12000	2600

Report Date: 14-Jun-2023 14:57:37

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\312023_06_14BB.0022.d				
Lims ID:	410-129509-A-5-A				
Client ID:	HS23060280-05				
Sample Type:	Client				
Inject. Date:	14-Jun-2023 11:50:00	ALS Bottle#:	0	Worklist Smp#:	22
Purge Vol:	1.000 mL	Dil. Factor:	1.0000		
Sample Info:					
Misc. Info.:	410-0086555-022				
Operator ID:		Instrument ID:	19506-B		
Method:	\\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\RSK_CO2_19506B.m				
Limit Group:	GCV - RSK175 CO2				
Last Update:	14-Jun-2023 12:35:12	Calib Date:	27-Apr-2023 10:37:00		
Integrator:	Genie				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0010.d				
Column 1 :	HP Plot (0.00 mm)		Det: 0FIDA		
Process Host:	CTX1625				
First Level Reviewer: LXF2		Date:	14-Jun-2023 14:57:37		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
1 Carbon dioxide	2.016	2.061	-0.045	736365748H	223811	a

QC Flag Legend

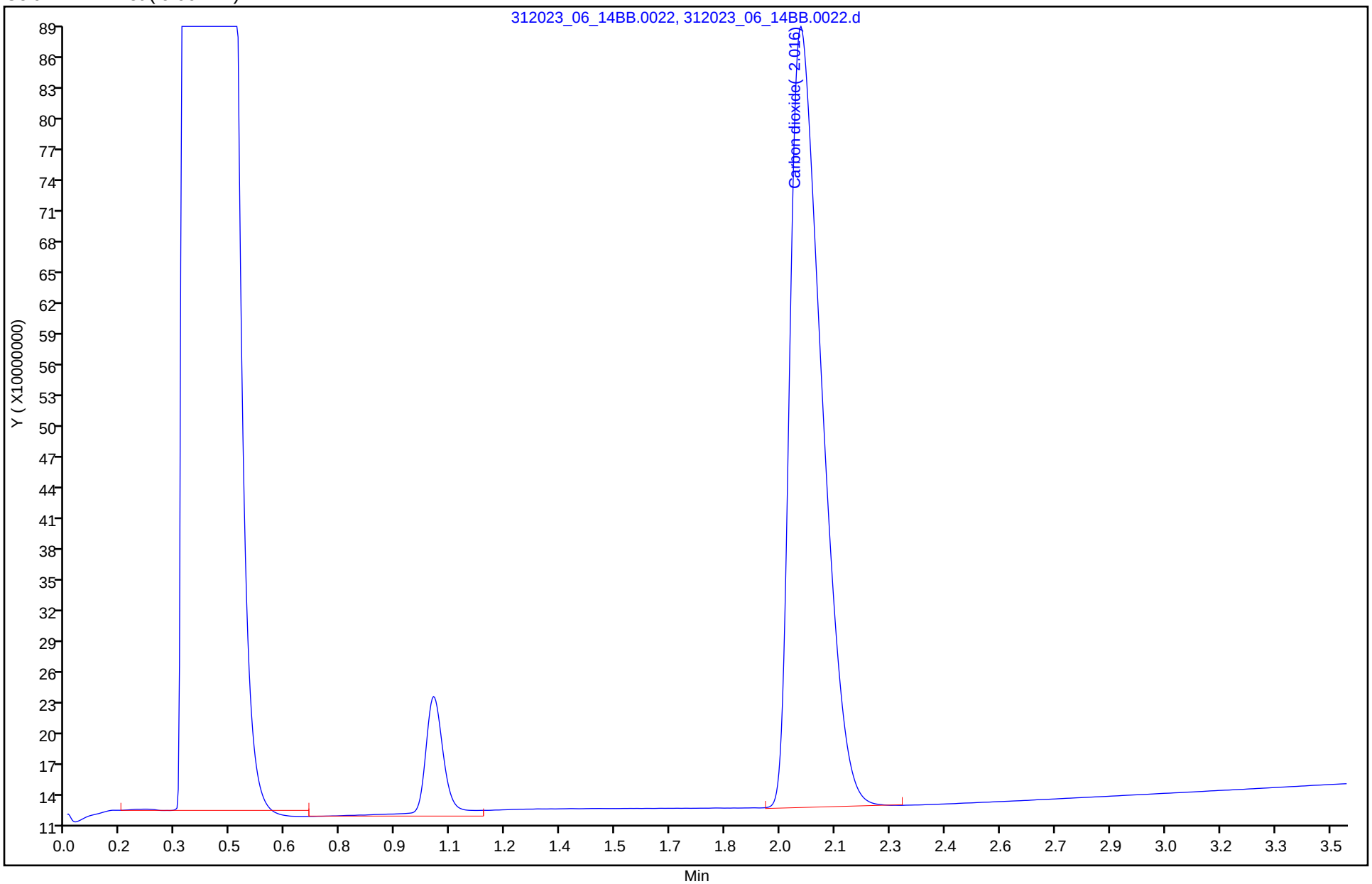
Processing Flags
H - Response Measured by Height
Review Flags
a - User Assigned ID

Report Date: 14-Jun-2023 14:57:37 Chrom Revision: 2.3 05-Jun-2023 19:02:10

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\312023_06_14BB.0022.d				
Injection Date:	14-Jun-2023 11:50:00	Instrument ID:	19506-B	Operator ID:	
Lims ID:	410-129509-A-5-A	Lab Sample ID:	410-129509-5	Worklist Smp#:	22
Client ID:	HS23060280-05				
Purge Vol:	1.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	RSK_CO2_19506B	Limit Group:	GCV - RSK175 CO2		

Column: HP Plot (0.00 mm)



Report Date: 14-Jun-2023 14:57:37 Chrom Revision: 2.3 05-Jun-2023 19:02:10 Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

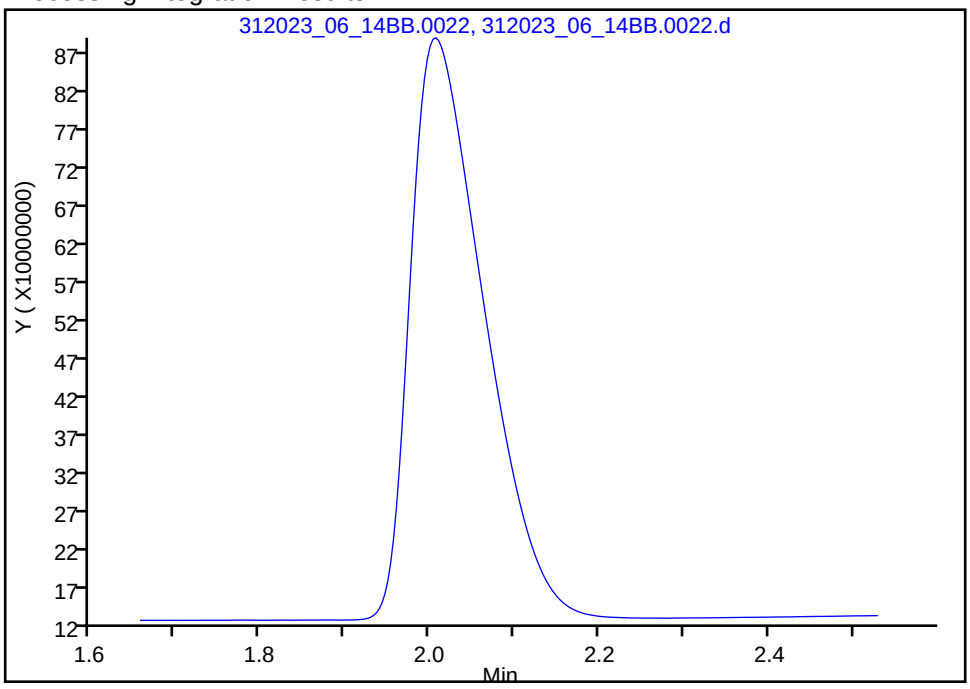
Data File:	\\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\312023_06_14BB.0022.d		
Injection Date:	14-Jun-2023 11:50:00	Instrument ID:	19506-B
Lims ID:	410-129509-A-5-A	Lab Sample ID:	410-129509-5
Client ID:	HS23060280-05		
Operator ID:		ALS Bottle#:	0 Worklist Smp#: 22
Purge Vol:	1.000 mL	Dil. Factor:	1.0000
Method:	RSK_CO2_19506B	Limit Group:	GCV - RSK175 CO2
Column:	HP Plot (0.00 mm)	Detector	0FIDA

1 Carbon dioxide, CAS: 124-38-9

Signal: 1

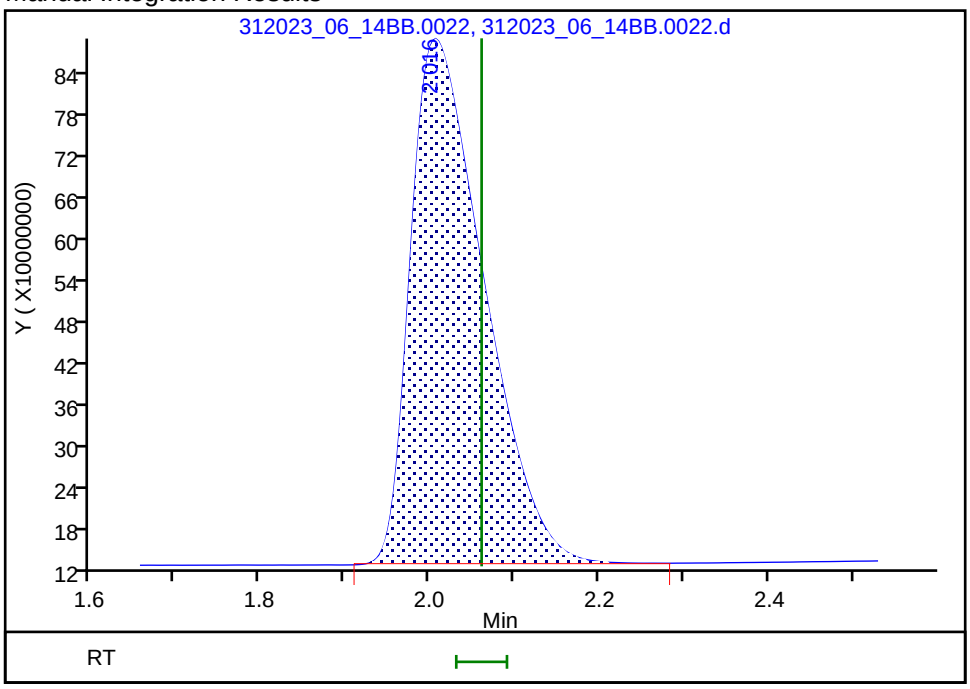
Not Detected
Expected RT: 2.06

Processing Integration Results



Manual Integration Results

RT: 2.02
Height: 736365748
Amount: 223811
Amount Units: ug/l



Audit Reason: Peak not integrated

Reviewer: LXF2, 14-Jun-2023 14:30:26 -04:00:00 (UTC)
Audit Action: Assigned Compound ID

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-129509-1

SDG No.:

Client Sample ID: HS23060280-06 Lab Sample ID: 410-129509-6

Matrix: Water Lab File ID: 312023_06_14BB.0023.d

Analysis Method: RSK-175 Date Collected: 06/05/2023 10:55

Sample wt/vol: 5(mL) Date Analyzed: 06/14/2023 11:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: HP Plot ID: 0.53(mm)

Purge Volume: Heated Purge: (Y/N) N pH: 7.0

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 386376 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	DL
124-38-9	Carbon dioxide	250000	M	12000	2600

Report Date: 14-Jun-2023 14:30:57

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\312023_06_14BB.0023.d				
Lims ID:	410-129509-A-6-A				
Client ID:	HS23060280-06				
Sample Type:	Client				
Inject. Date:	14-Jun-2023 11:58:00	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	1.000 mL	Dil. Factor:	1.0000		
Sample Info:					
Misc. Info.:	410-0086555-023				
Operator ID:		Instrument ID:	19506-B		
Method:	\\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\RSK_CO2_19506B.m				
Limit Group:	GCV - RSK175 CO2				
Last Update:	14-Jun-2023 14:30:53	Calib Date:	27-Apr-2023 10:37:00		
Integrator:	Genie				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0010.d				
Column 1 :	HP Plot (0.00 mm)		Det: 0FIDA		
Process Host:	CTX1625				
First Level Reviewer: LXF2		Date:	14-Jun-2023 14:30:31		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
1 Carbon dioxide	2.009	2.061	-0.052	819822663H	249177	a

QC Flag Legend

Processing Flags
H - Response Measured by Height
Review Flags
a - User Assigned ID

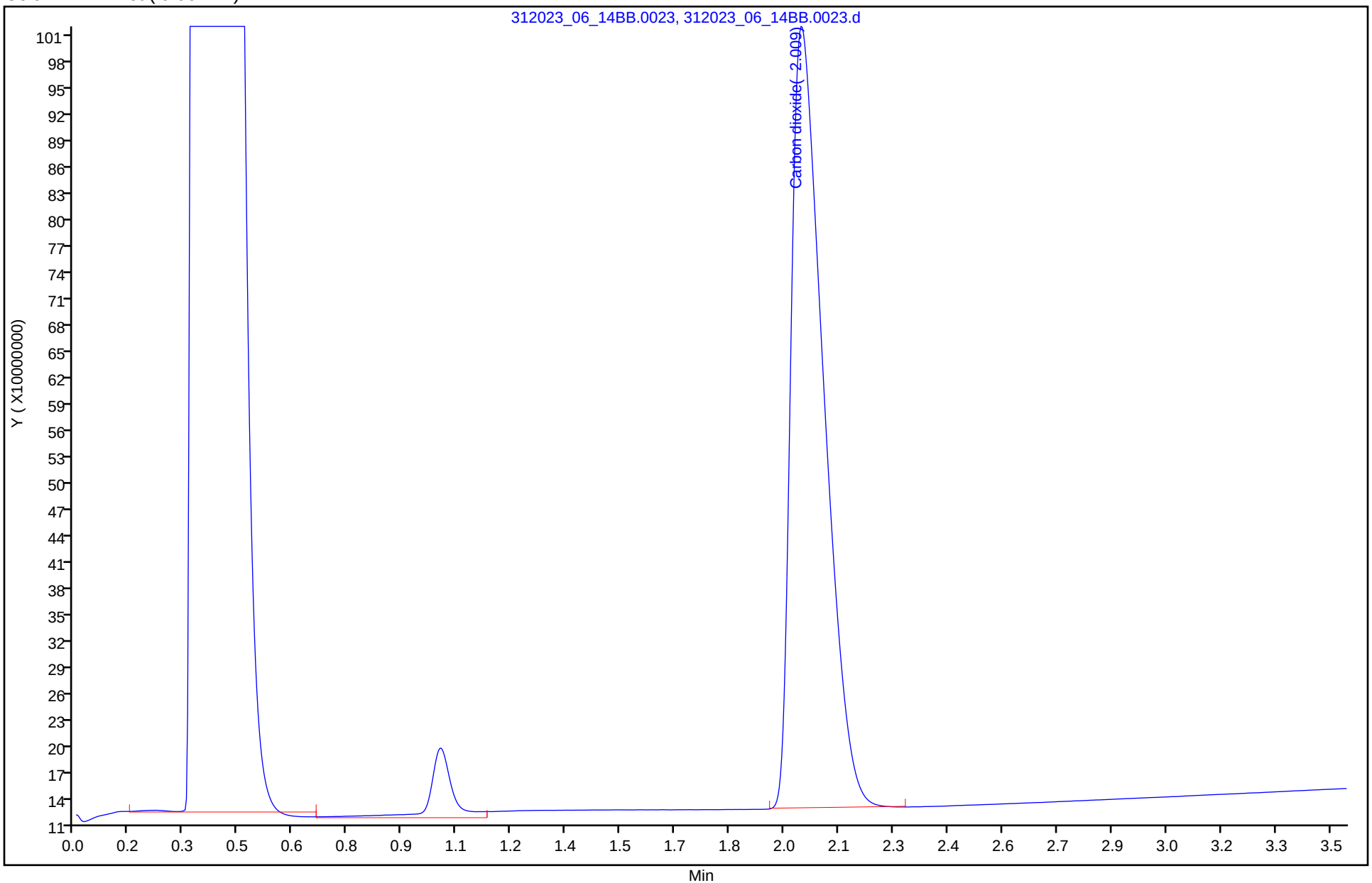
Report Date: 14-Jun-2023 14:30:57 Chrom Revision: 2.3 05-Jun-2023 19:02:10

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\312023_06_14BB.0023.d

Injection Date:	14-Jun-2023 11:58:00	Instrument ID:	19506-B	Operator ID:	
Lims ID:	410-129509-A-6-A	Lab Sample ID:	410-129509-6	Worklist Smp#:	23
Client ID:	HS23060280-06				
Purge Vol:	1.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	RSK_CO2_19506B	Limit Group:	GCV - RSK175 CO2		

Column: HP Plot (0.00 mm)



Report Date: 14-Jun-2023 14:30:57

Chrom Revision: 2.3 05-Jun-2023 19:02:10 Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

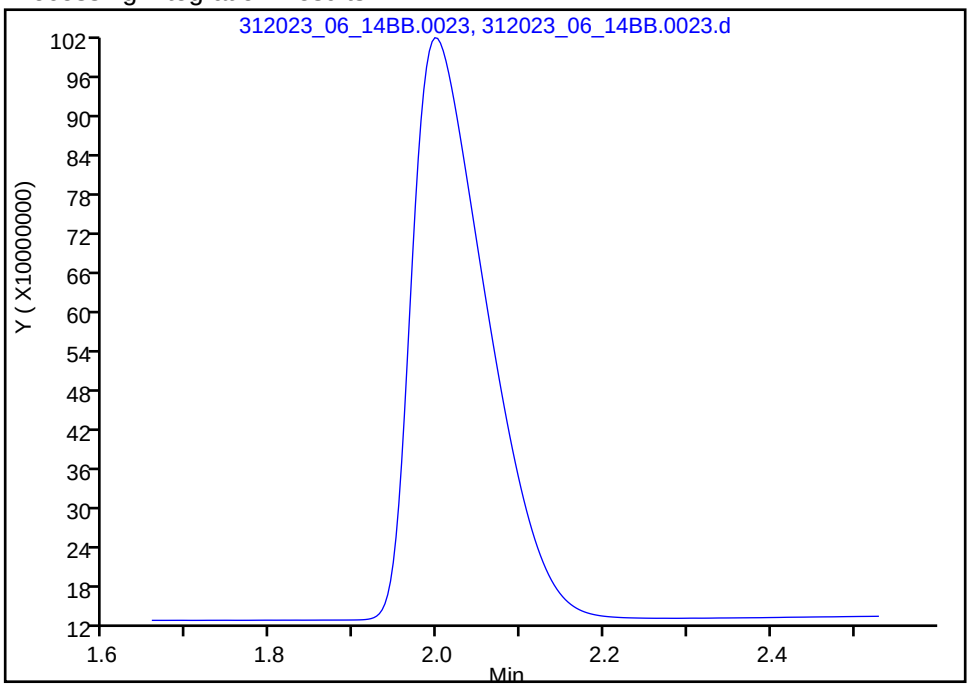
Data File:	\\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\312023_06_14BB.0023.d		
Injection Date:	14-Jun-2023 11:58:00	Instrument ID:	19506-B
Lims ID:	410-129509-A-6-A	Lab Sample ID:	410-129509-6
Client ID:	HS23060280-06		
Operator ID:		ALS Bottle#:	0 Worklist Smp#: 23
Purge Vol:	1.000 mL	Dil. Factor:	1.0000
Method:	RSK_CO2_19506B	Limit Group:	GCV - RSK175 CO2
Column:	HP Plot (0.00 mm)	Detector	0FIDA

1 Carbon dioxide, CAS: 124-38-9

Signal: 1

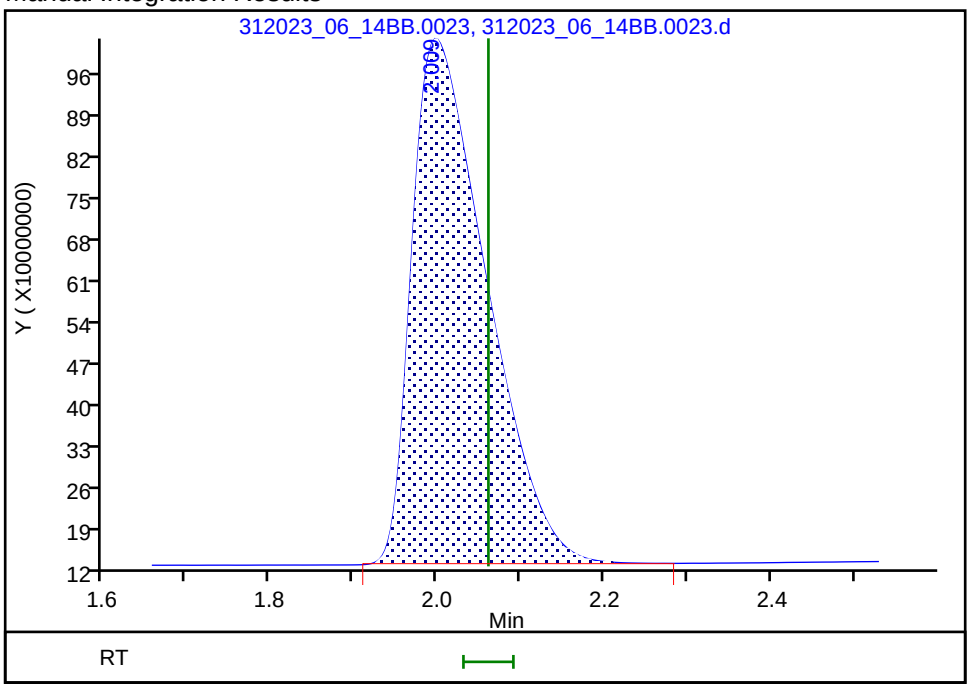
Not Detected
Expected RT: 2.06

Processing Integration Results



Manual Integration Results

RT: 2.01
Height: 819822663
Amount: 249177
Amount Units: ug/l



Audit Reason: Peak not integrated

Reviewer: LXF2, 14-Jun-2023 14:30:30 -04:00:00 (UTC)
Audit Action: Assigned Compound ID

FORM VI
GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-129509-1 Analy Batch No.: 369251

SDG No.:

Instrument ID: 19506-B GC Column: HP Plot ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/27/2023 09:59 Calibration End Date: 04/27/2023 10:37 Calibration ID: 49603

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-369251/5	312023_04_27BB.0005.d
Level 2	IC 410-369251/6	312023_04_27BB.0006.d
Level 3	ICRT 410-369251/7	312023_04_27BB.0007.d
Level 4	IC 410-369251/8	312023_04_27BB.0008.d
Level 5	IC 410-369251/9	312023_04_27BB.0009.d
Level 6	IC 410-369251/10	312023_04_27BB.0010.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Carbon dioxide	2.060	2.059	2.054	2.043	2.024	1.983					2.024 - 2.084	2.037

FORM VI
GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-129509-1 Analy Batch No.: 369251

SDG No.:

Instrument ID: 19506-B GC Column: HP Plot ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/27/2023 09:59 Calibration End Date: 04/27/2023 10:37 Calibration ID: 49603

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-369251/5	312023_04_27BB.0005.d
Level 2	IC 410-369251/6	312023_04_27BB.0006.d
Level 3	ICRT 410-369251/7	312023_04_27BB.0007.d
Level 4	IC 410-369251/8	312023_04_27BB.0008.d
Level 5	IC 410-369251/9	312023_04_27BB.0009.d
Level 6	IC 410-369251/10	312023_04_27BB.0010.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Carbon dioxide	3853.7 3132.6	3271.4 2761.6	3403.0	3318.5	Ave		3290.12214				10.8		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-129509-1 Analy Batch No.: 369251

SDG No.:

Instrument ID: 19506-B GC Column: HP Plot ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/27/2023 09:59 Calibration End Date: 04/27/2023 10:37 Calibration ID: 49603

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-369251/5	312023_04_27BB.0005.d
Level 2	IC 410-369251/6	312023_04_27BB.0006.d
Level 3	ICRT 410-369251/7	312023_04_27BB.0007.d
Level 4	IC 410-369251/8	312023_04_27BB.0008.d
Level 5	IC 410-369251/9	312023_04_27BB.0009.d
Level 6	IC 410-369251/10	312023_04_27BB.0010.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Carbon dioxide	Ave	41411686 989211697	70308888	121893696	297170647	561047460	10746 358200	21492	35820	89550	179100

Curve Type Legend
Ave = Average by Height

Report Date: 28-Apr-2023 07:19:05

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0005.d				
Lims ID:	ic				
Client ID:					
Sample Type:	IC	Calib Level:	1		
Inject. Date:	27-Apr-2023 09:59:00	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	1.000 mL	Dil. Factor:	1.0000		
Sample Info:					
Misc. Info.:	410-0082537-005				
Operator ID:		Instrument ID:	19506-B		
Sublist:	chrom-RSK_CO2_19506B*sub1				
Method:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\RSK_CO2_19506B.m				
Limit Group:	GCV - RSK175 CO2				
Last Update:	28-Apr-2023 07:19:05	Calib Date:	27-Apr-2023 10:37:00		
Integrator:	Genie				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0010.d				
Column 1 :	HP Plot (0.00 mm)		Det: 0FIDA		
Process Host:	CTX1628				
First Level Reviewer: WN7O		Date:	28-Apr-2023 07:18:31		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Carbon dioxide	2.060	2.054	0.006	41411686H	10746	12587	M

QC Flag Legend

Processing Flags
H - Response Measured by Height
Review Flags
M - Manually Integrated

Reagents:

EPH_CO2MS_00004 Amount Added: 30.00 Units: uL

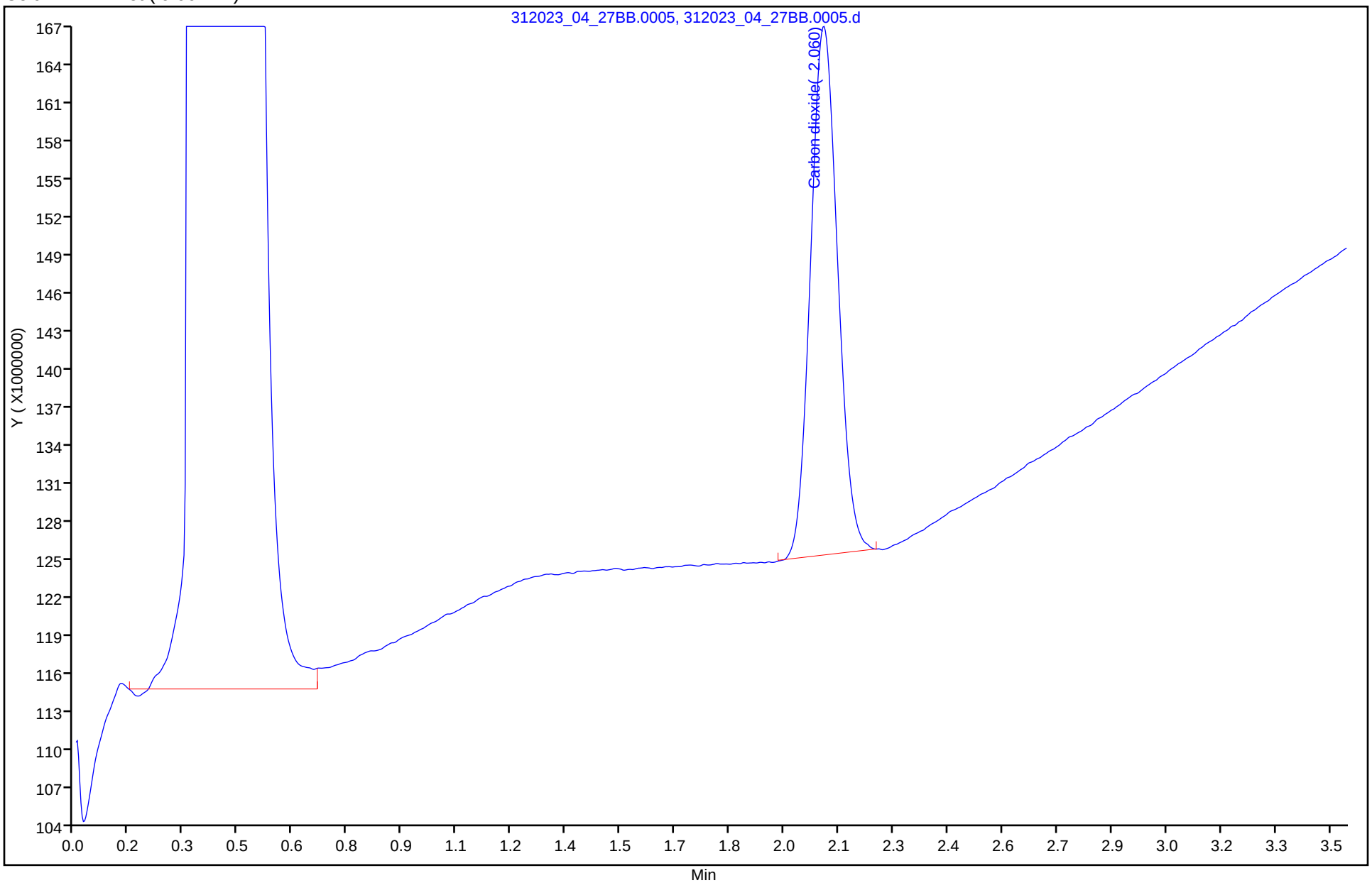
Report Date: 28-Apr-2023 07:19:05 Chrom Revision: 2.3 20-Apr-2023 08:27:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0005.d

Injection Date:	27-Apr-2023 09:59:00	Instrument ID:	19506-B	Operator ID:	
Lims ID:	ic			Worklist Smp#:	5
Client ID:					
Purge Vol:	1.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	RSK_CO2_19506B	Limit Group:	GCV - RSK175 CO2		

Column: HP Plot (0.00 mm)



Report Date: 28-Apr-2023 07:19:05

Chrom Revision: 2.3 20-Apr-2023 08:27:48 Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

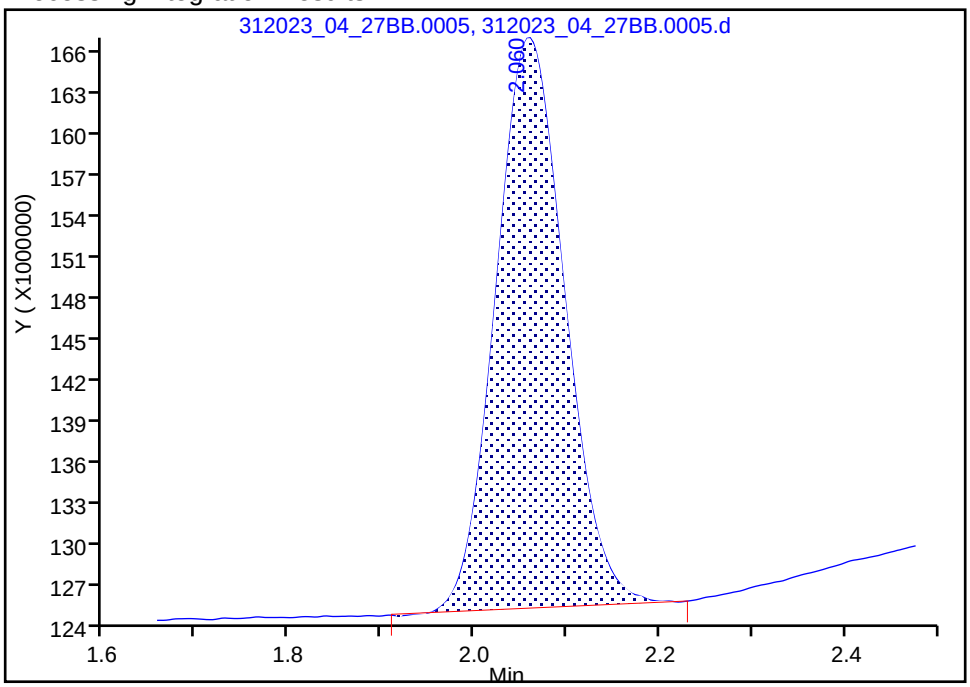
Data File:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0005.d				
Injection Date:	27-Apr-2023 09:59:00	Instrument ID:	19506-B		
Lims ID:	ic				
Client ID:					
Operator ID:		ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	1.000 mL	Dil. Factor:	1.0000		
Method:	RSK_CO2_19506B	Limit Group:	GCV - RSK175 CO2		
Column:	HP Plot (0.00 mm)	Detector	0FIDA		

1 Carbon dioxide, CAS: 124-38-9

Signal: 1

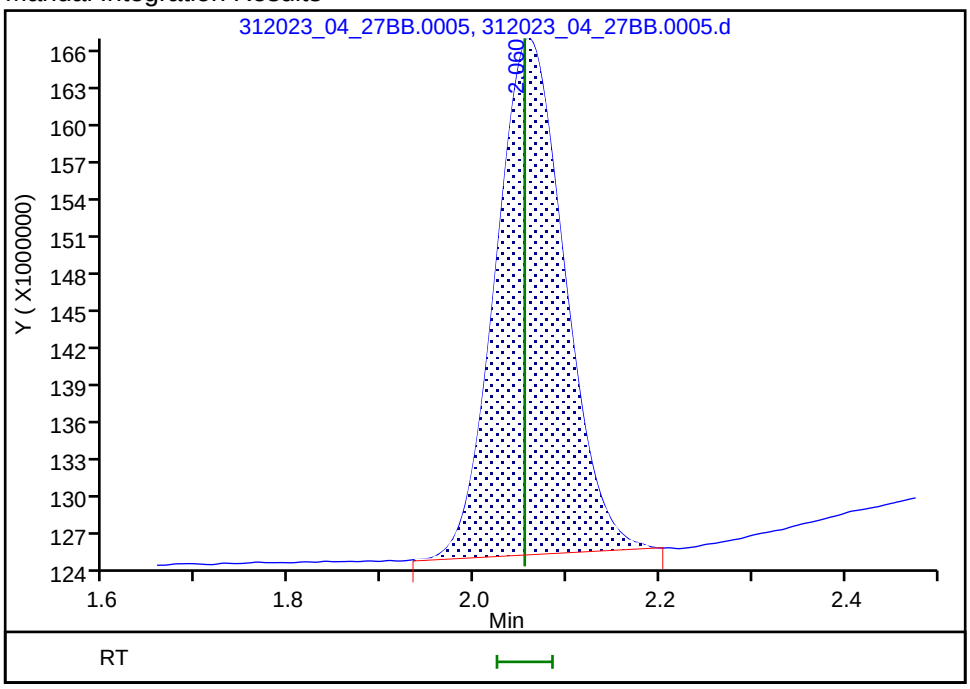
Processing Integration Results

RT: 2.06
Height: 40493056
Amount: 12361
Amount Units: ug/l



Manual Integration Results

RT: 2.06
Height: 41411686
Amount: 12587
Amount Units: ug/l



Audit Reason: Baseline Smoothing

Reviewer: WN7O, 28-Apr-2023 07:18:28
Audit Action: Manually Integrated

Report Date: 28-Apr-2023 07:19:06

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0006.d				
Lims ID:	ic				
Client ID:					
Sample Type:	IC	Calib Level:	2		
Inject. Date:	27-Apr-2023 10:06:00	ALS Bottle#:	0	Worklist Smp#:	6
Purge Vol:	1.000 mL	Dil. Factor:	1.0000		
Sample Info:					
Misc. Info.:	410-0082537-006				
Operator ID:		Instrument ID:	19506-B		
Sublist:	chrom-RSK_CO2_19506B*sub1				
Method:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\RSK_CO2_19506B.m				
Limit Group:	GCV - RSK175 CO2				
Last Update:	28-Apr-2023 07:19:06	Calib Date:	27-Apr-2023 10:37:00		
Integrator:	Genie				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0010.d				
Column 1 :	HP Plot (0.00 mm)		Det: 0FIDA		
Process Host:	CTX1628				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Carbon dioxide	2.059	2.054	0.005	70308888H	21492	21370	

Reagents:

EPH_CO2MS_00004 Amount Added: 60.00 Units: uL

Report Date: 28-Apr-2023 07:19:06 Chrom Revision: 2.3 20-Apr-2023 08:27:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0006.d

Injection Date: 27-Apr-2023 10:06:00 Instrument ID: 19506-B Operator ID:

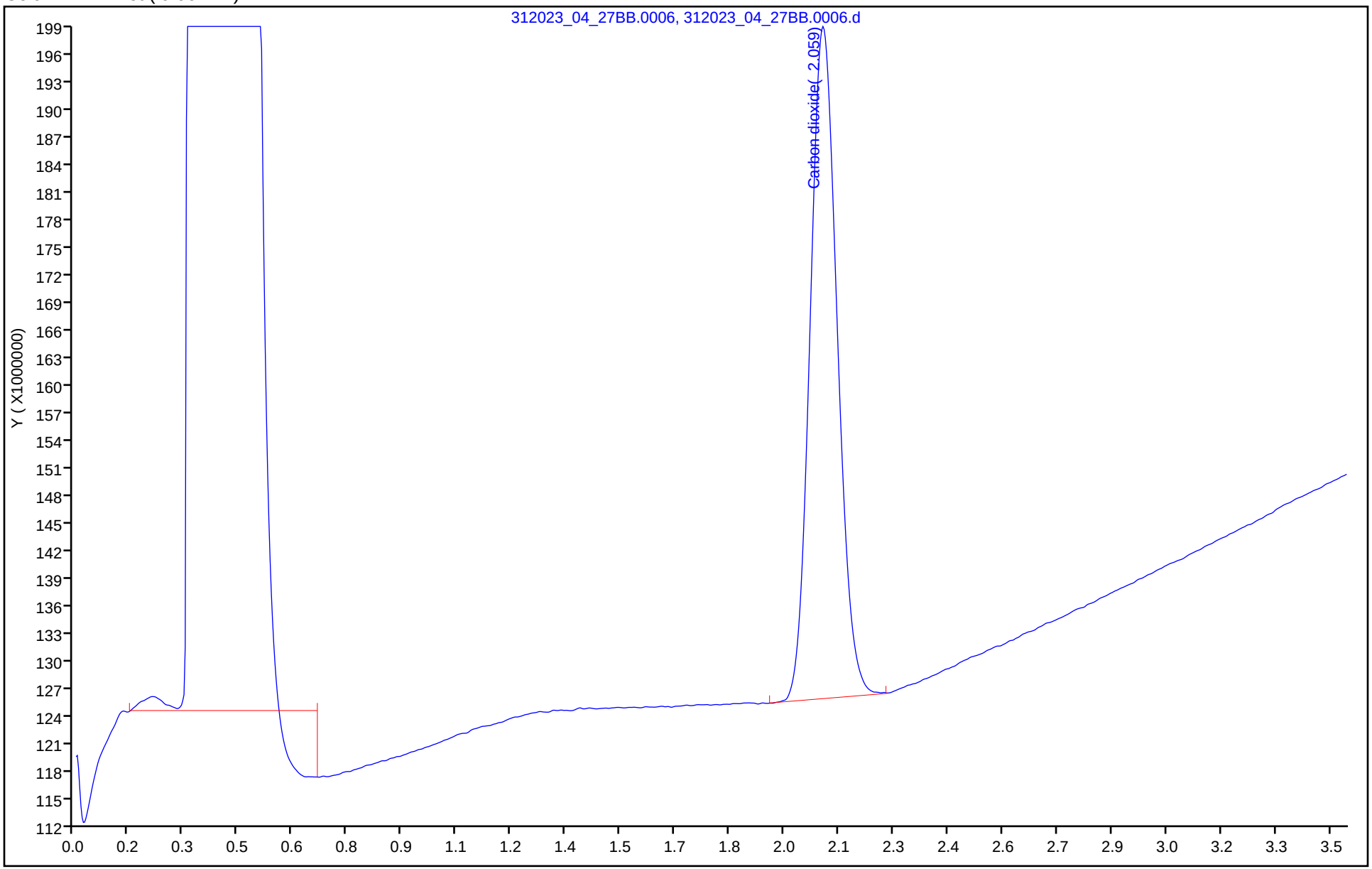
Lims ID: ic Worklist Smp#: 6

Client ID:

Purge Vol: 1.000 mL Dil. Factor: 1.0000 ALS Bottle#: 0

Method: RSK_CO2_19506B Limit Group: GCV - RSK175 CO2

Column: HP Plot (0.00 mm)



Report Date: 28-Apr-2023 07:19:08

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0007.d				
Lims ID:	icrt				
Client ID:					
Sample Type:	ICRT	Calib Level:	3		
Inject. Date:	27-Apr-2023 10:14:00	ALS Bottle#:	0	Worklist Smp#:	7
Purge Vol:	1.000 mL	Dil. Factor:	1.0000		
Sample Info:					
Misc. Info.:	410-0082537-007				
Operator ID:		Instrument ID:	19506-B		
Sublist:	chrom-RSK_CO2_19506B*sub1				
Method:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\RSK_CO2_19506B.m				
Limit Group:	GCV - RSK175 CO2				
Last Update:	28-Apr-2023 07:19:08	Calib Date:	27-Apr-2023 10:37:00		
Integrator:	Genie				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0010.d				
Column 1 :	HP Plot (0.00 mm)		Det: 0FIDA		
Process Host:	CTX1628				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Carbon dioxide	2.054	2.054	0.000	121893696H	35820	37048	

Reagents:

EPH_CO2MS_00004 Amount Added: 100.00 Units: uL

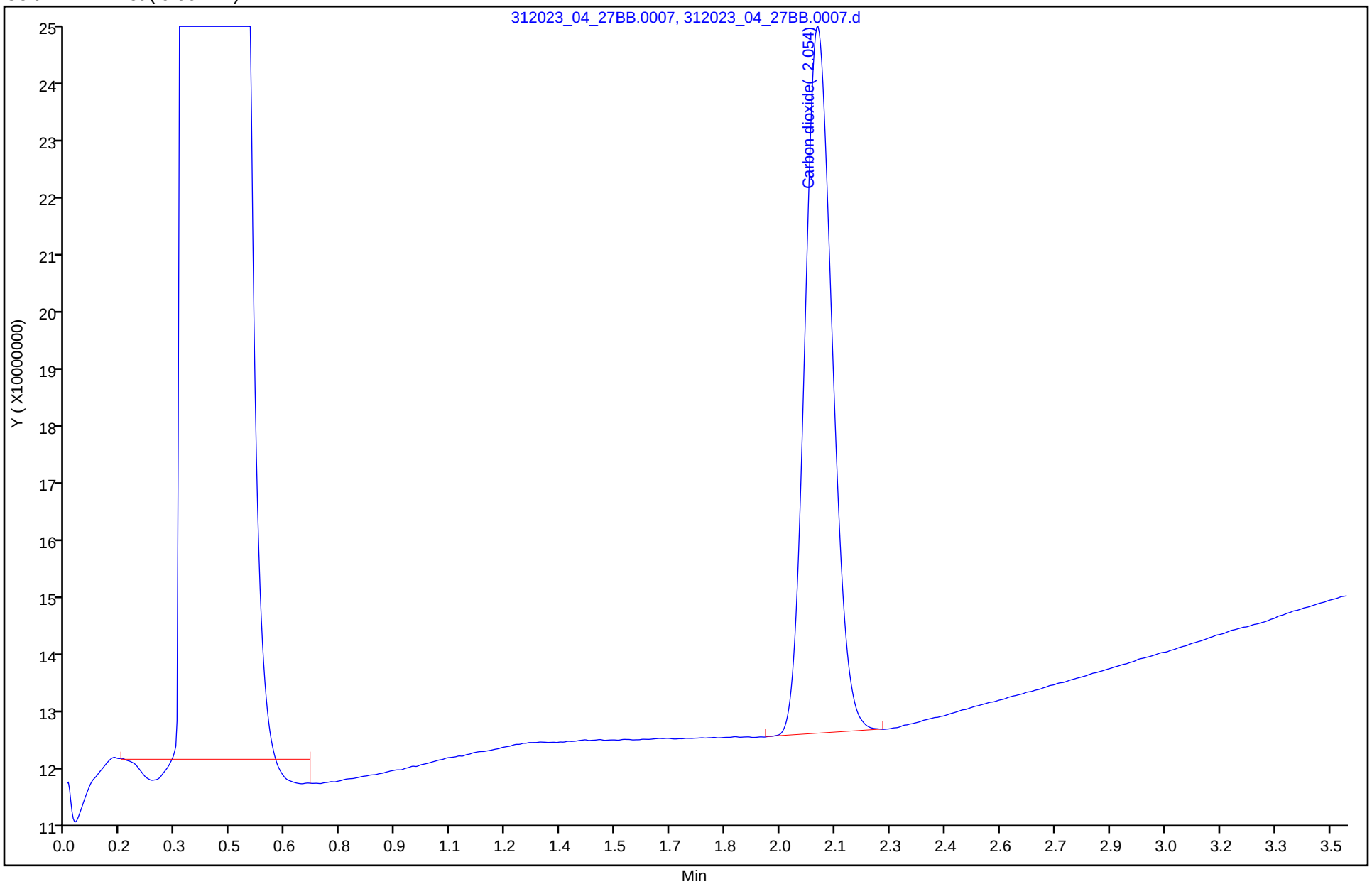
Report Date: 28-Apr-2023 07:19:08 Chrom Revision: 2.3 20-Apr-2023 08:27:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0007.d

Injection Date:	27-Apr-2023 10:14:00	Instrument ID:	19506-B	Operator ID:	
Lims ID:	icrt			Worklist Smp#:	7
Client ID:					
Purge Vol:	1.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	RSK_CO2_19506B	Limit Group:	GCV - RSK175 CO2		

Column: HP Plot (0.00 mm)



Report Date: 28-Apr-2023 07:19:09

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0008.d				
Lims ID:	ic				
Client ID:					
Sample Type:	IC	Calib Level:	4		
Inject. Date:	27-Apr-2023 10:22:00	ALS Bottle#:	0	Worklist Smp#:	8
Purge Vol:	1.000 mL	Dil. Factor:	1.0000		
Sample Info:					
Misc. Info.:	410-0082537-008				
Operator ID:		Instrument ID:	19506-B		
Sublist:	chrom-RSK_CO2_19506B*sub1				
Method:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\RSK_CO2_19506B.m				
Limit Group:	GCV - RSK175 CO2				
Last Update:	28-Apr-2023 07:19:09	Calib Date:	27-Apr-2023 10:37:00		
Integrator:	Genie				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0010.d				
Column 1 :	HP Plot (0.00 mm)		Det: 0FIDA		
Process Host:	CTX1628				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Carbon dioxide	2.043	2.054	-0.011	297170647	H 89550	90322	

Reagents:

EPH_CO2MS_00004 Amount Added: 250.00 Units: uL

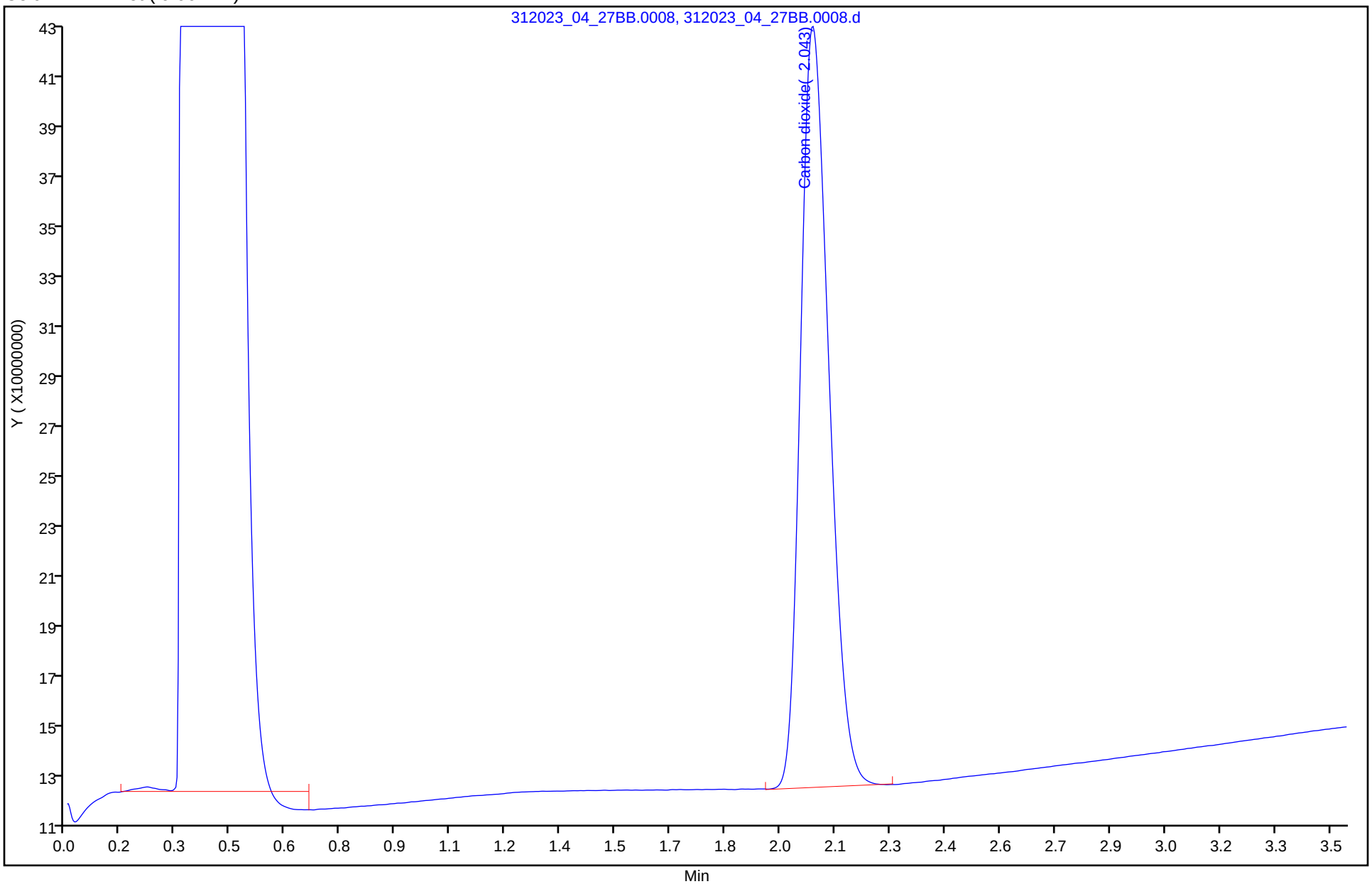
Report Date: 28-Apr-2023 07:19:09 Chrom Revision: 2.3 20-Apr-2023 08:27:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0008.d

Injection Date:	27-Apr-2023 10:22:00	Instrument ID:	19506-B	Operator ID:	
Lims ID:	ic			Worklist Smp#:	8
Client ID:					
Purge Vol:	1.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	RSK_CO2_19506B	Limit Group:	GCV - RSK175 CO2		

Column: HP Plot (0.00 mm)



Report Date: 28-Apr-2023 07:19:10

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0009.d				
Lims ID:	ic				
Client ID:					
Sample Type:	IC	Calib Level:	5		
Inject. Date:	27-Apr-2023 10:30:00	ALS Bottle#:	0	Worklist Smp#:	9
Purge Vol:	1.000 mL	Dil. Factor:	1.0000		
Sample Info:					
Misc. Info.:	410-0082537-009				
Operator ID:		Instrument ID:	19506-B		
Sublist:	chrom-RSK_CO2_19506B*sub1				
Method:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\RSK_CO2_19506B.m				
Limit Group:	GCV - RSK175 CO2				
Last Update:	28-Apr-2023 07:19:10	Calib Date:	27-Apr-2023 10:37:00		
Integrator:	Genie				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0010.d				
Column 1 :	HP Plot (0.00 mm)		Det: 0FIDA		
Process Host:	CTX1628				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Carbon dioxide	2.024	2.054	-0.030	561047460	H 179100	170525	

Reagents:

EPH_CO2MS_00004 Amount Added: 500.00 Units: uL

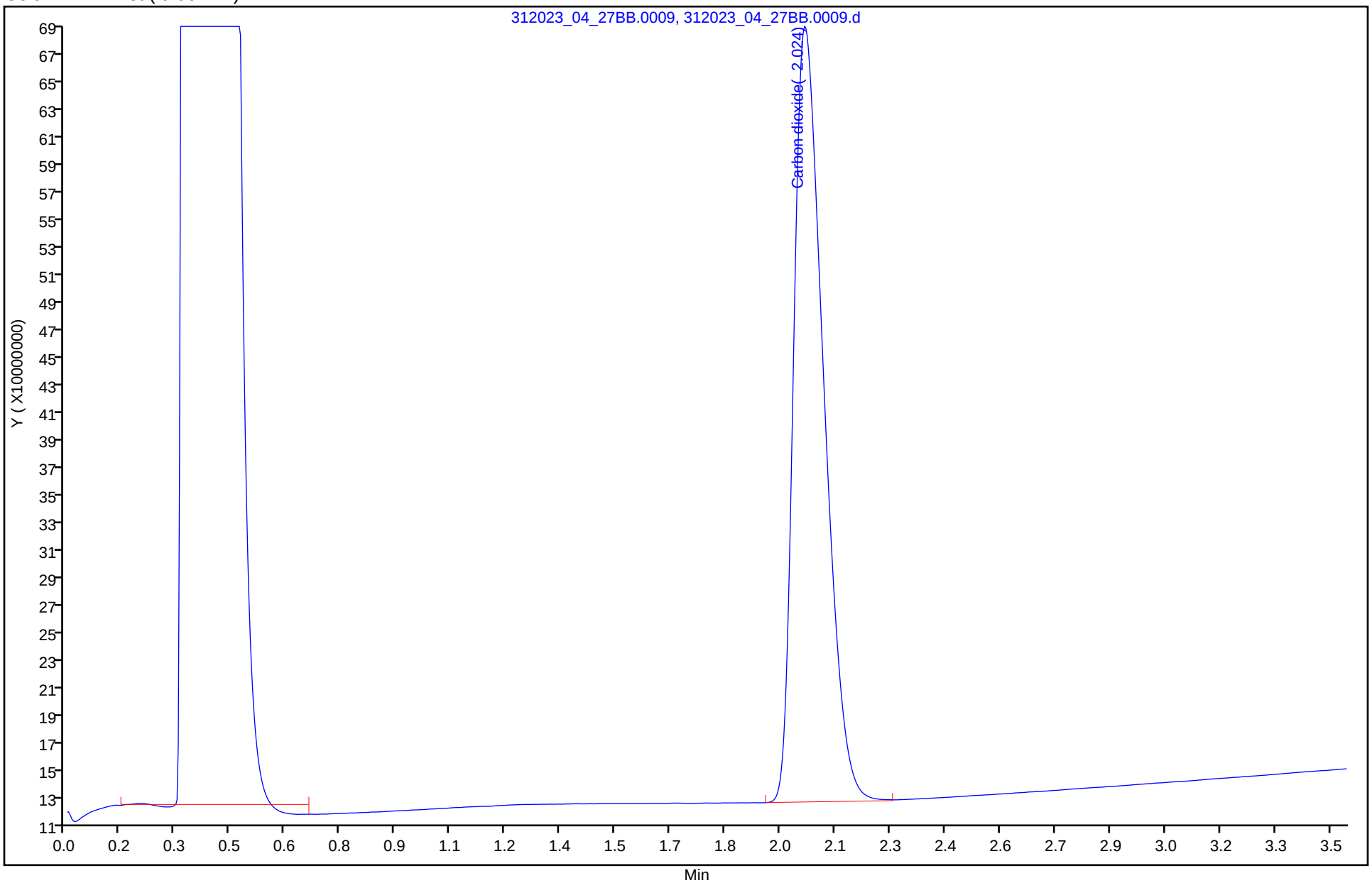
Report Date: 28-Apr-2023 07:19:10 Chrom Revision: 2.3 20-Apr-2023 08:27:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0009.d

Injection Date:	27-Apr-2023 10:30:00	Instrument ID:	19506-B	Operator ID:	
Lims ID:	ic			Worklist Smp#:	9
Client ID:					
Purge Vol:	1.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	RSK_CO2_19506B	Limit Group:	GCV - RSK175 CO2		

Column: HP Plot (0.00 mm)



Report Date: 28-Apr-2023 07:19:12

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0010.d				
Lims ID:	ic				
Client ID:					
Sample Type:	IC	Calib Level:	6		
Inject. Date:	27-Apr-2023 10:37:00	ALS Bottle#:	0	Worklist Smp#:	10
Purge Vol:	1.000 mL	Dil. Factor:	1.0000		
Sample Info:					
Misc. Info.:	410-0082537-010				
Operator ID:		Instrument ID:	19506-B		
Sublist:	chrom-RSK_CO2_19506B*sub1				
Method:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\RSK_CO2_19506B.m				
Limit Group:	GCV - RSK175 CO2				
Last Update:	28-Apr-2023 07:19:11	Calib Date:	27-Apr-2023 10:37:00		
Integrator:	Genie				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0010.d				
Column 1 :	HP Plot (0.00 mm)		Det: 0FIDA		
Process Host:	CTX1628				
First Level Reviewer: WN7O		Date:	28-Apr-2023 07:17:52		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Carbon dioxide	1.983	2.054	-0.071	989211697H	358200	300661	Ma

QC Flag Legend

Processing Flags
H - Response Measured by Height
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

EPH_CO2MS_00004 Amount Added: 1000.00 Units: uL

Report Date: 28-Apr-2023 07:19:12 Chrom Revision: 2.3 20-Apr-2023 08:27:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0010.d

Injection Date: 27-Apr-2023 10:37:00 Instrument ID: 19506-B Operator ID:

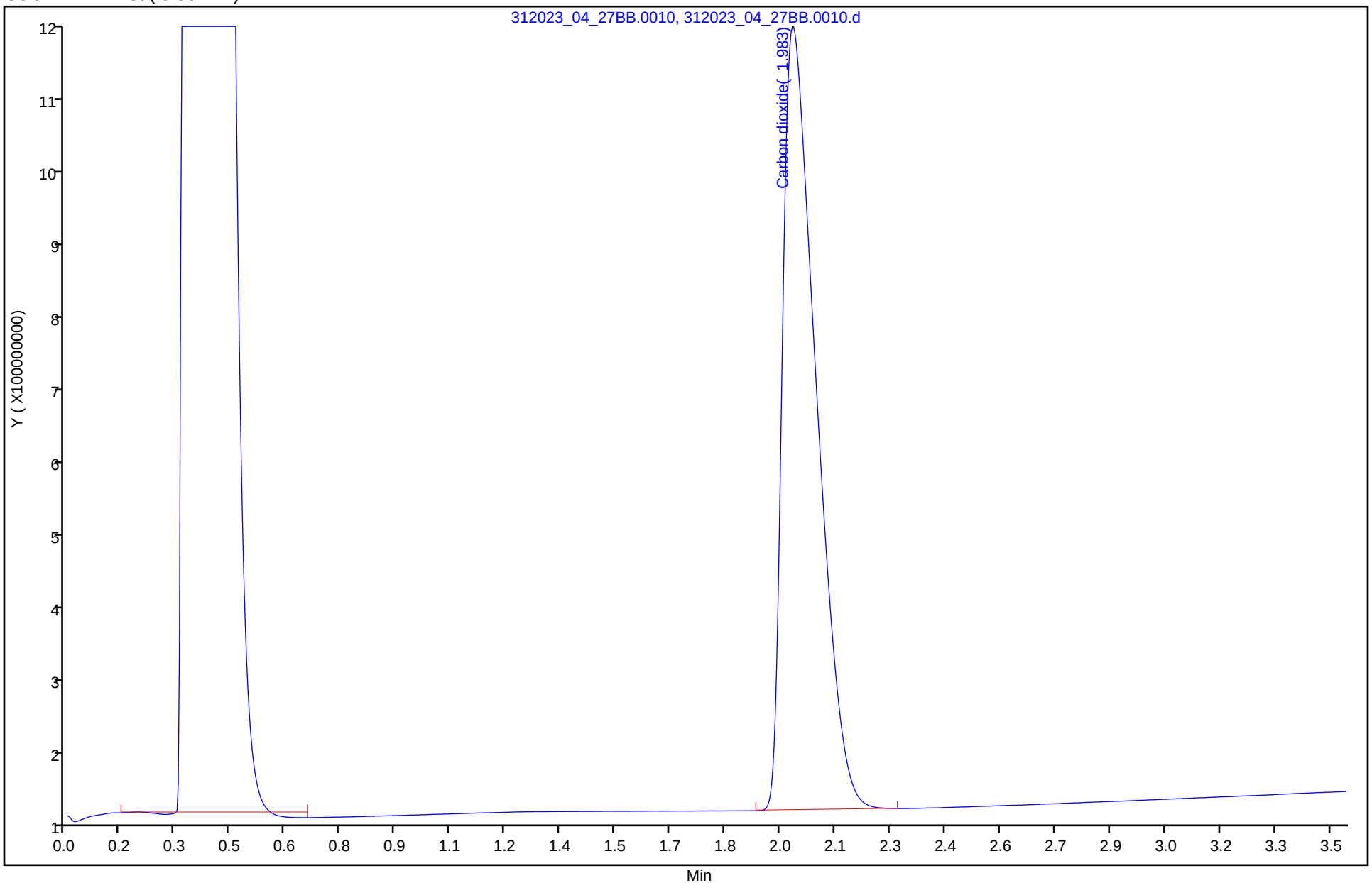
Lims ID: ic Worklist Smp#: 10

Client ID:

Purge Vol: 1.000 mL Dil. Factor: 1.0000 ALS Bottle#: 0

Method: RSK_CO2_19506B Limit Group: GCV - RSK175 CO2

Column: HP Plot (0.00 mm)



Report Date: 28-Apr-2023 07:19:12

Chrom Revision: 2.3 20-Apr-2023 08:27:48 Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

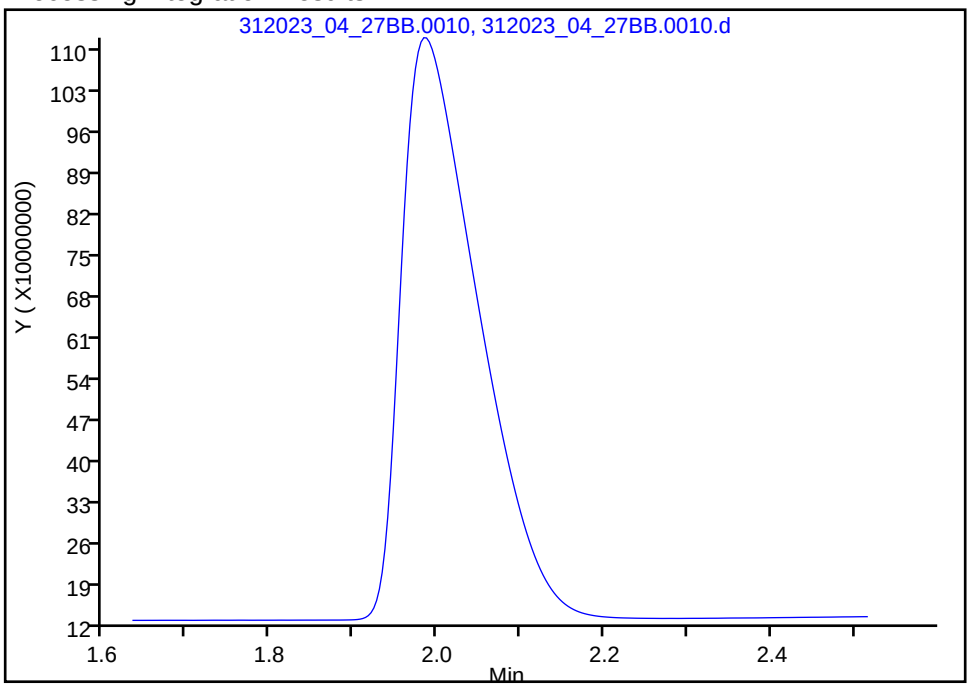
Data File:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0010.d		
Injection Date:	27-Apr-2023 10:37:00	Instrument ID:	19506-B
Lims ID:	ic		
Client ID:			
Operator ID:		ALS Bottle#:	0 Worklist Smp#: 10
Purge Vol:	1.000 mL	Dil. Factor:	1.0000
Method:	RSK_CO2_19506B	Limit Group:	GCV - RSK175 CO2
Column:	HP Plot (0.00 mm)	Detector	0FIDA

1 Carbon dioxide, CAS: 124-38-9

Signal: 1

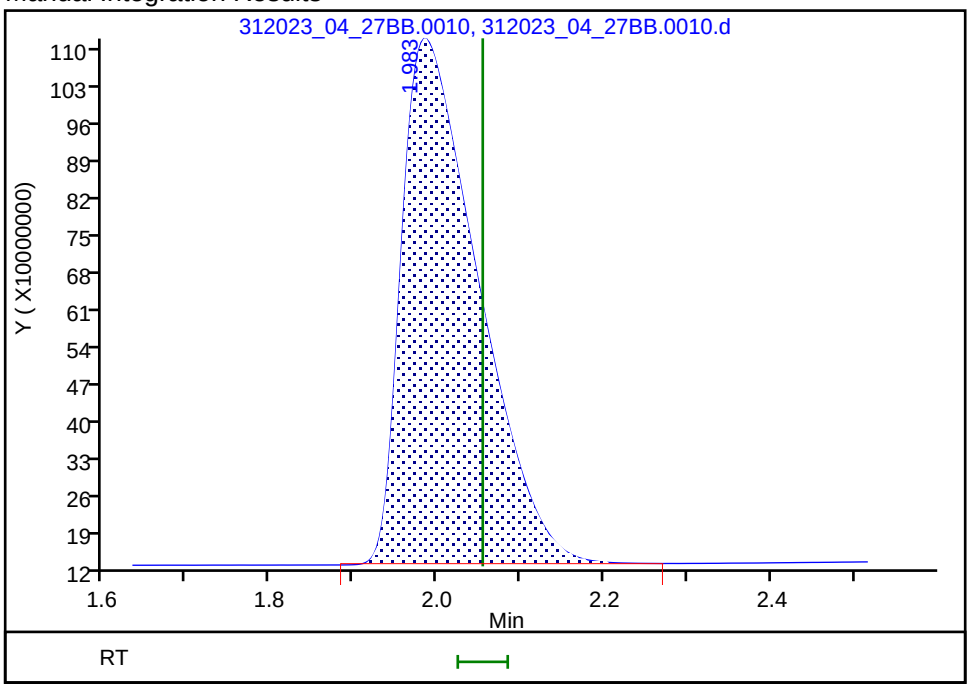
Not Detected
Expected RT: 2.05

Processing Integration Results



Manual Integration Results

RT: 1.98
Height: 989211697
Amount: 300661
Amount Units: ug/l



Audit Reason: Baseline Smoothing

Reviewer: WN7O, 28-Apr-2023 07:17:41
Audit Action: Manually Integrated

Calibration

/ Carbon dioxide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

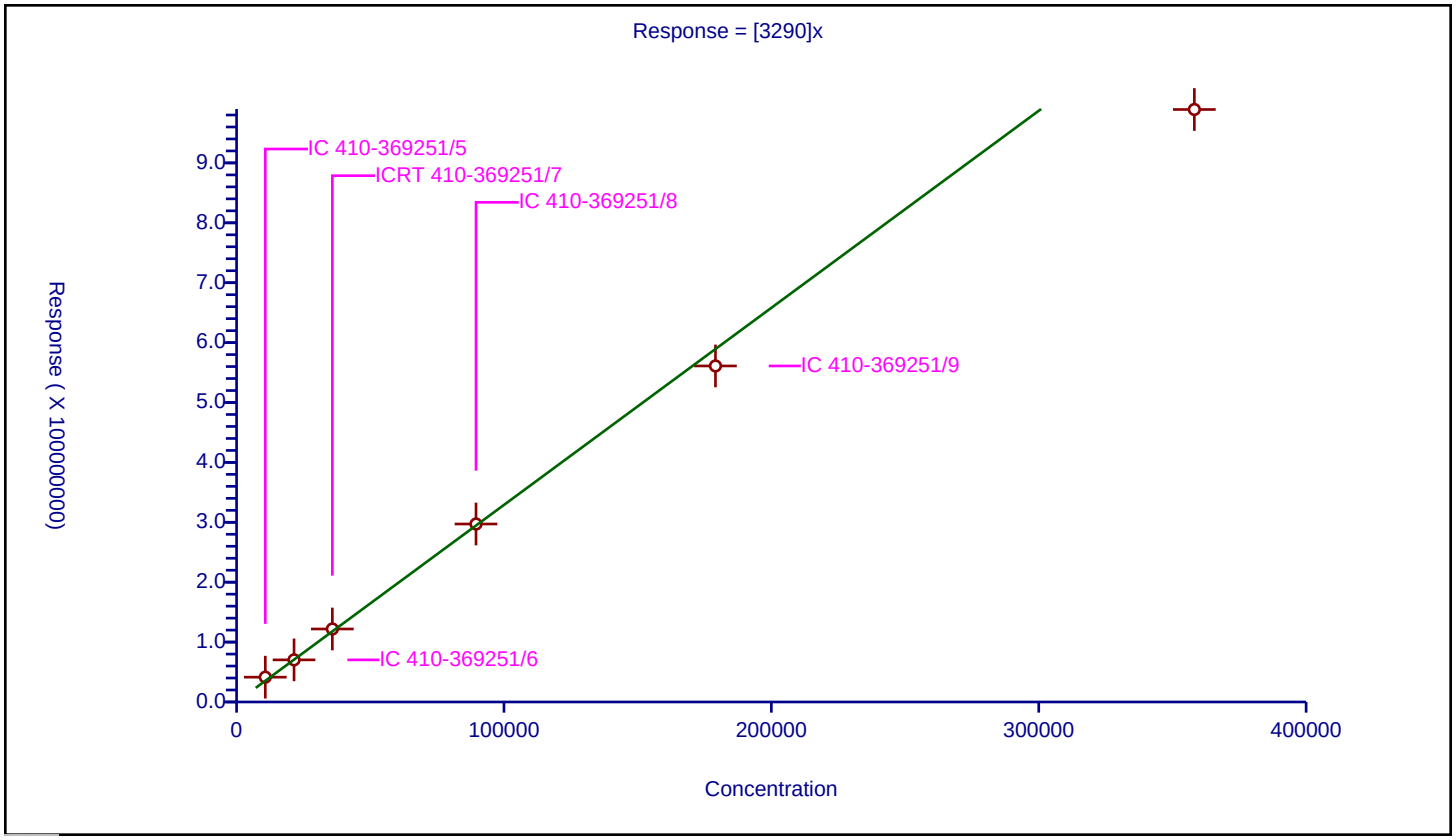
Curve Coefficients

Intercept:	0
Slope:	3290

Error Coefficients

Standard Error:	85700000
Relative Standard Error:	10.8
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-369251/5	10746.0	41411686.0			3853.683789	Y
2	IC 410-369251/6	21492.0	70308888.0			3271.398102	Y
3	ICRT 410-369251/7	35820.0	121893696.0			3402.950754	Y
4	IC 410-369251/8	89550.0	297170647.0			3318.48852	Y
5	IC 410-369251/9	179100.0	561047460.0			3132.5933	Y
6	IC 410-369251/10	358200.0	989211697.0			2761.618361	Y



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-129509-1

SDG No.:

Lab Sample ID: ICV 410-369251/13 Calibration Date: 04/27/2023 11:01

Instrument ID: 19506-B Calib Start Date: 04/27/2023 09:59

GC Column: HP Plot ID: 0.53(mm) Calib End Date: 04/27/2023 10:37

Lab File ID: 312023_04_27BB.0013.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon dioxide	Ave	3290	3122		33200	35000	-5.1	15.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-129509-1

SDG No.:

Lab Sample ID: ICV 410-369251/13 Calibration Date: 04/27/2023 11:01

Instrument ID: 19506-B Calib Start Date: 04/27/2023 09:59

GC Column: HP Plot ID: 0.53(mm) Calib End Date: 04/27/2023 10:37

Lab File ID: 312023_04_27BB.0013.d Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Carbon dioxide	2.06	2.02	2.08

Report Date: 28-Apr-2023 08:51:00

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0013.d				
Lims ID:	icv				
Client ID:					
Sample Type:	ICV				
Inject. Date:	27-Apr-2023 11:01:00	ALS Bottle#:	0	Worklist Smp#:	13
Purge Vol:	1.000 mL	Dil. Factor:	1.0000		
Sample Info:					
Misc. Info.:	410-0082537-013				
Operator ID:		Instrument ID:	19506-B		
Sublist:					
Method:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\RSK_CO2_19506B.m				
Limit Group:	GCV - RSK175 CO2				
Last Update:	28-Apr-2023 08:50:24	Calib Date:	27-Apr-2023 10:37:00		
Integrator:	Genie				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0010.d				
Column 1 :	HP Plot (0.00 mm)		Det: 0FIDA		
Process Host:	CTX1654				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Carbon dioxide	2.057	2.054	0.003	109307674	H 35008	33223	

Reagents:

EPH_CO2ICV_00002 Amount Added: 320.00 Units: uL

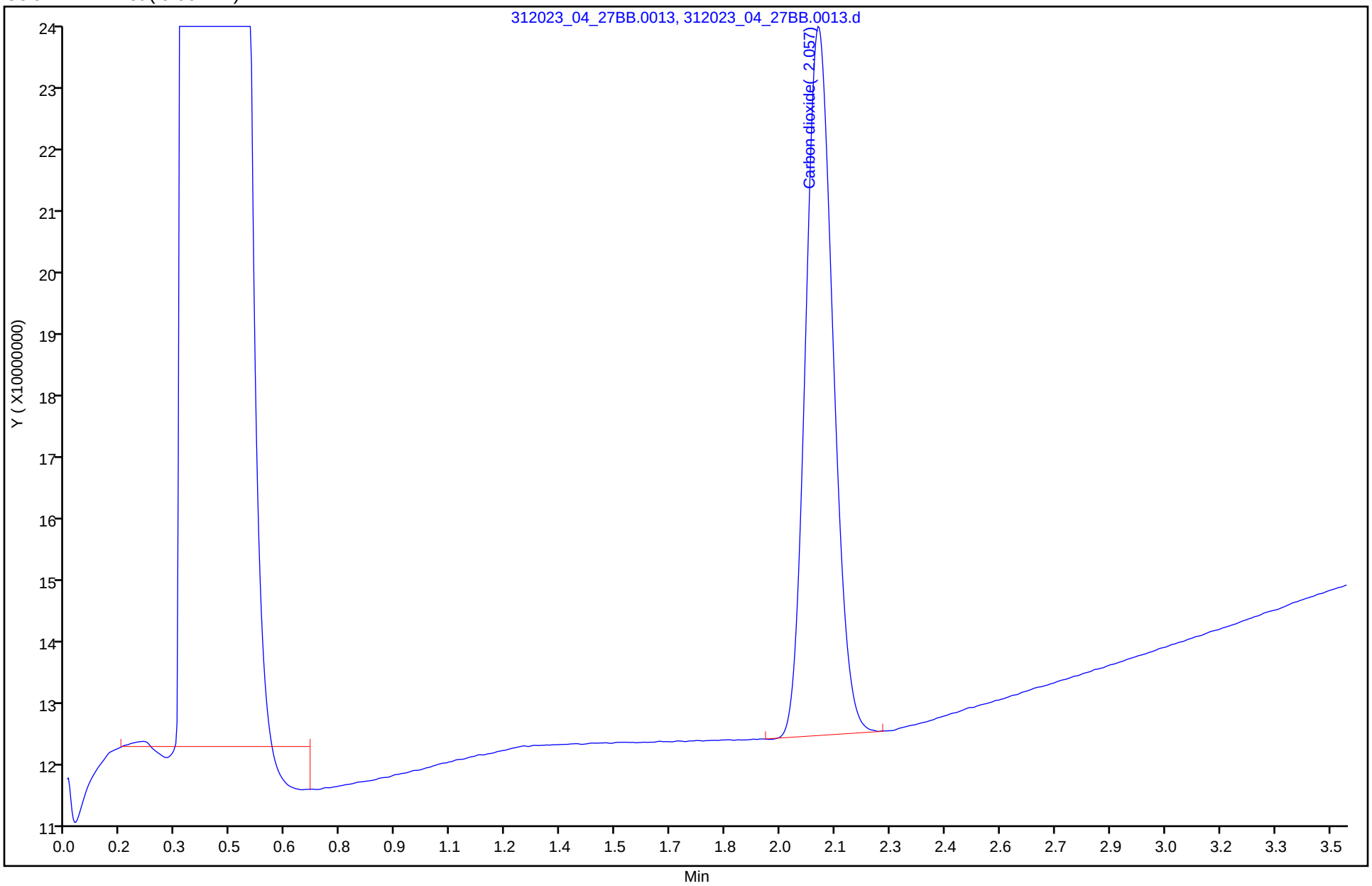
Report Date: 28-Apr-2023 08:51:00 Chrom Revision: 2.3 20-Apr-2023 08:27:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0013.d

Injection Date:	27-Apr-2023 11:01:00	Instrument ID:	19506-B	Operator ID:	
Lims ID:	icv			Worklist Smp#:	13
Client ID:					
Purge Vol:	1.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	RSK_CO2_19506B	Limit Group:	GCV - RSK175 CO2		

Column: HP Plot (0.00 mm)



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-129509-1

SDG No.:

Lab Sample ID: CCVRT 410-386376/2 Calibration Date: 06/14/2023 09:02

Instrument ID: 19506-B Calib Start Date: 04/27/2023 09:59

GC Column: HP Plot ID: 0.53(mm) Calib End Date: 04/27/2023 10:37

Lab File ID: 312023_06_14BB.0002.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon dioxide	Ave	3290	3201		34800	35800	-2.7	15.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-129509-1

SDG No.:

Lab Sample ID: CCVRT 410-386376/2 Calibration Date: 06/14/2023 09:02

Instrument ID: 19506-B Calib Start Date: 04/27/2023 09:59

GC Column: HP Plot ID: 0.53(mm) Calib End Date: 04/27/2023 10:37

Lab File ID: 312023_06_14BB.0002.d Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Carbon dioxide	2.06	2.03	2.09

Report Date: 14-Jun-2023 14:30:49

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\312023_06_14BB.0002.d				
Lims ID:	ccvrt				
Client ID:					
Sample Type:	CCVRT				
Inject. Date:	14-Jun-2023 09:02:00	ALS Bottle#:	0	Worklist Smp#:	2
Purge Vol:	1.000 mL	Dil. Factor:	1.0000		
Sample Info:	ccvrt				
Misc. Info.:	410-0086555-002				
Operator ID:		Instrument ID:	19506-B		
Sublist:	chrom-RSK_CO2_19506B*sub1				
Method:	\\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\RSK_CO2_19506B.m				
Limit Group:	GCV - RSK175 CO2				
Last Update:	14-Jun-2023 14:30:48	Calib Date:	27-Apr-2023 10:37:00		
Integrator:	Genie				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0010.d				
Column 1 :	HP Plot (0.00 mm)		Det: 0FIDA		
Process Host:	CTX1625				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Carbon dioxide	2.061	2.061	0.000	114644421	H 35820	34845	

Reagents:

EPH_CO2MS_00004 Amount Added: 100.00 Units: uL

Report Date: 14-Jun-2023 14:30:49 Chrom Revision: 2.3 05-Jun-2023 19:02:10

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\312023_06_14BB.0002.d

Injection Date: 14-Jun-2023 09:02:00 Instrument ID: 19506-B Operator ID:

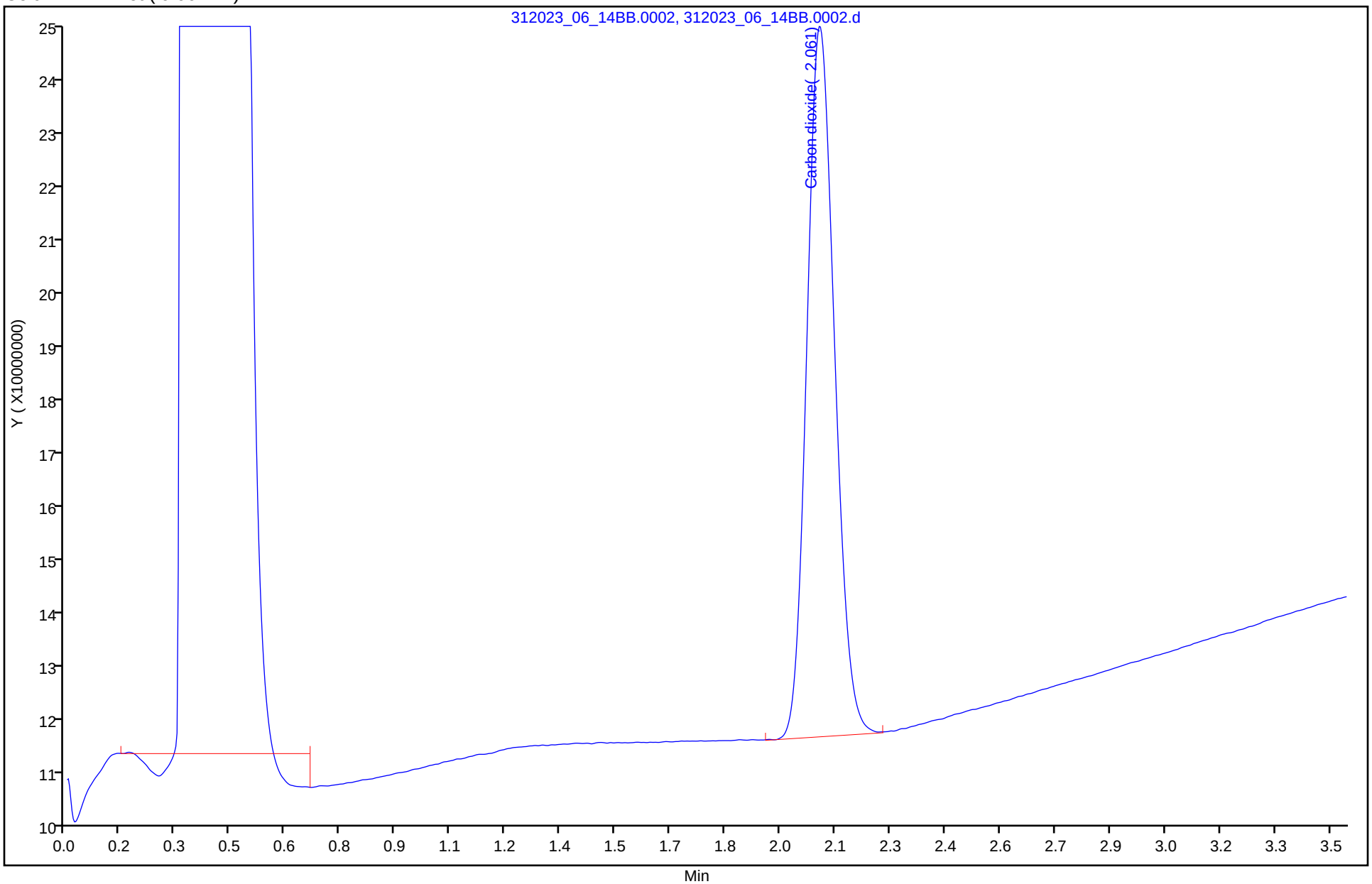
Lims ID: ccvrt Worklist Smp#: 2

Client ID:

Purge Vol: 1.000 mL Dil. Factor: 1.0000 ALS Bottle#: 0

Method: RSK_CO2_19506B Limit Group: GCV - RSK175 CO2

Column: HP Plot (0.00 mm)



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-129509-1

SDG No.:

Lab Sample ID: CCV 410-386376/13 Calibration Date: 06/14/2023 10:34

Instrument ID: 19506-B Calib Start Date: 04/27/2023 09:59

GC Column: HP Plot ID: 0.53(mm) Calib End Date: 04/27/2023 10:37

Lab File ID: 312023_06_14BB.0013.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon dioxide	Ave	3290	3026		32900	35800	-8.0	15.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-129509-1

SDG No.:

Lab Sample ID: CCV 410-386376/13 Calibration Date: 06/14/2023 10:34

Instrument ID: 19506-B Calib Start Date: 04/27/2023 09:59

GC Column: HP Plot ID: 0.53(mm) Calib End Date: 04/27/2023 10:37

Lab File ID: 312023_06_14BB.0013.d Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Carbon dioxide	2.06	2.03	2.09

Report Date: 14-Jun-2023 14:30:53

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\312023_06_14BB.0013.d				
Lims ID:	ccv				
Client ID:					
Sample Type:	CCV				
Inject. Date:	14-Jun-2023 10:34:00	ALS Bottle#:	0	Worklist Smp#:	13
Purge Vol:	1.000 mL	Dil. Factor:	1.0000		
Sample Info:					
Misc. Info.:	410-0086555-013				
Operator ID:		Instrument ID:	19506-B		
Sublist:	chrom-RSK_CO2_19506B*sub1				
Method:	\\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\RSK_CO2_19506B.m				
Limit Group:	GCV - RSK175 CO2				
Last Update:	14-Jun-2023 14:30:53	Calib Date:	27-Apr-2023 10:37:00		
Integrator:	Genie				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0010.d				
Column 1 :	HP Plot (0.00 mm)		Det: 0FIDA		
Process Host:	CTX1625				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Carbon dioxide	2.060	2.061	-0.001	108380714	H 35820	32941	

Reagents:

EPH_CO2MS_00004 Amount Added: 100.00 Units: uL

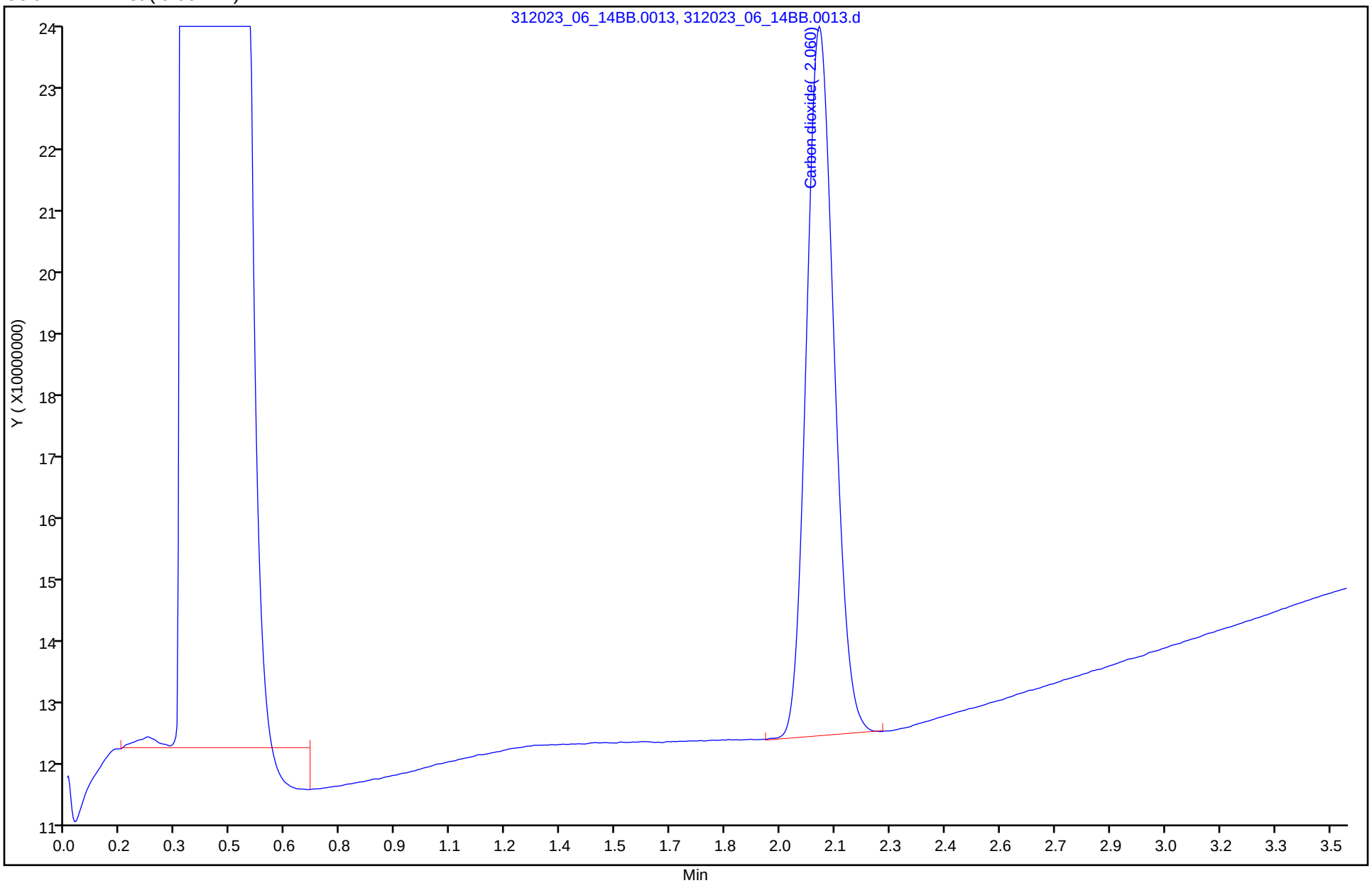
Report Date: 14-Jun-2023 14:30:53 Chrom Revision: 2.3 05-Jun-2023 19:02:10

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\312023_06_14BB.0013.d

Injection Date:	14-Jun-2023 10:34:00	Instrument ID:	19506-B	Operator ID:	
Lims ID:	ccv			Worklist Smp#:	13
Client ID:					
Purge Vol:	1.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	RSK_CO2_19506B	Limit Group:	GCV - RSK175 CO2		

Column: HP Plot (0.00 mm)



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-129509-1

SDG No.:

Lab Sample ID: CCV 410-386376/24 Calibration Date: 06/14/2023 12:05

Instrument ID: 19506-B Calib Start Date: 04/27/2023 09:59

GC Column: HP Plot ID: 0.53(mm) Calib End Date: 04/27/2023 10:37

Lab File ID: 312023_06_14BB.0024.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon dioxide	Ave	3290	2961		32200	35800	-10.0	15.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-129509-1

SDG No.:

Lab Sample ID: CCV 410-386376/24 Calibration Date: 06/14/2023 12:05

Instrument ID: 19506-B Calib Start Date: 04/27/2023 09:59

GC Column: HP Plot ID: 0.53(mm) Calib End Date: 04/27/2023 10:37

Lab File ID: 312023_06_14BB.0024.d Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Carbon dioxide	2.06	2.03	2.09

Report Date: 14-Jun-2023 14:30:57

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\312023_06_14BB.0024.d				
Lims ID:	ccv				
Client ID:					
Sample Type:	CCV				
Inject. Date:	14-Jun-2023 12:05:00	ALS Bottle#:	0	Worklist Smp#:	24
Purge Vol:	1.000 mL	Dil. Factor:	1.0000		
Sample Info:					
Misc. Info.:	410-0086555-024				
Operator ID:		Instrument ID:	19506-B		
Sublist:	chrom-RSK_CO2_19506B*sub1				
Method:	\\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\RSK_CO2_19506B.m				
Limit Group:	GCV - RSK175 CO2				
Last Update:	14-Jun-2023 14:30:57	Calib Date:	27-Apr-2023 10:37:00		
Integrator:	Genie				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0010.d				
Column 1 :	HP Plot (0.00 mm)		Det: 0FIDA		
Process Host:	CTX1625				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Carbon dioxide	2.060	2.061	-0.001	106080439H	35820	32242	

Reagents:

EPH_CO2MS_00004 Amount Added: 100.00 Units: uL

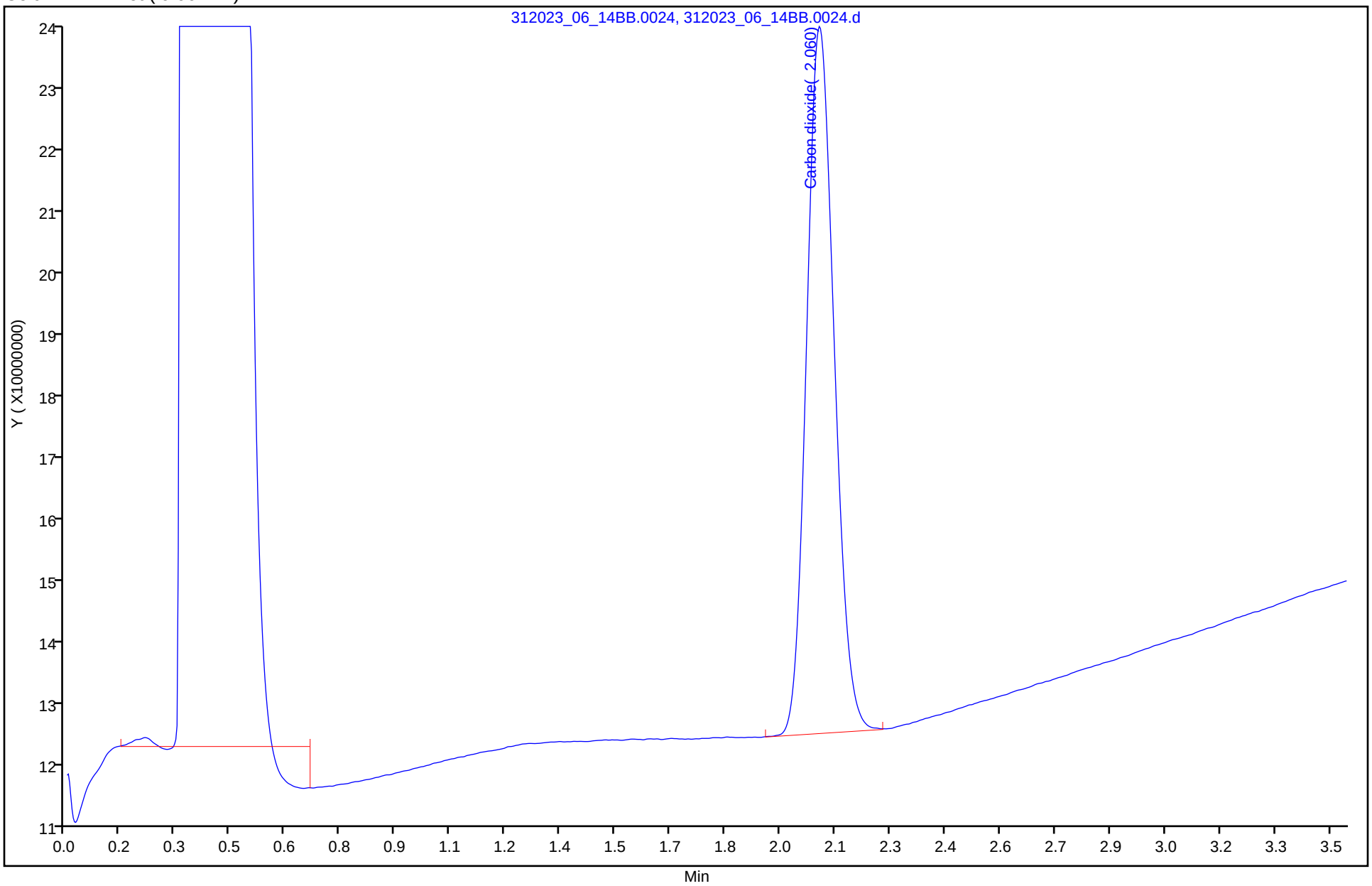
Report Date: 14-Jun-2023 14:30:57 Chrom Revision: 2.3 05-Jun-2023 19:02:10

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\312023_06_14BB.0024.d

Injection Date:	14-Jun-2023 12:05:00	Instrument ID:	19506-B	Operator ID:	
Lims ID:	ccv			Worklist Smp#:	24
Client ID:					
Purge Vol:	1.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	RSK_CO2_19506B	Limit Group:	GCV - RSK175 CO2		

Column: HP Plot (0.00 mm)



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-129509-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-386428/1-A

Matrix: Water Lab File ID: 312023_06_14BB.0003.d

Analysis Method: RSK-175 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/14/2023 09:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: HP Plot ID: 0.53(mm)

Purge Volume: Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 386376 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	DL
124-38-9	Carbon dioxide	2600	U	12000	2600

Report Date: 14-Jun-2023 14:30:49

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

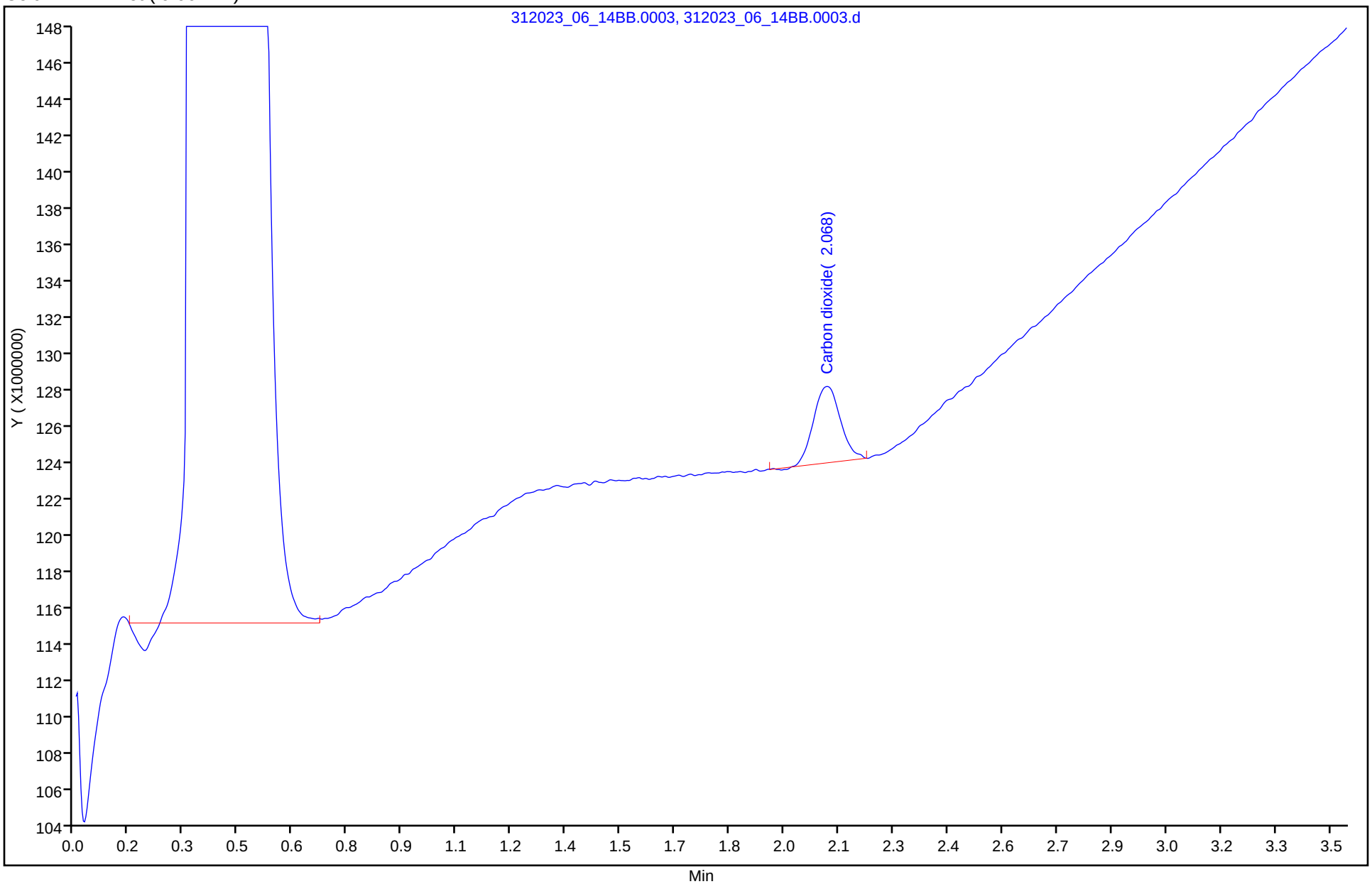
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Lims ID:	MB 410-386428/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	14-Jun-2023 09:16:00	ALS Bottle#:	0	Worklist Smp#:	3
Purge Vol:	1.000 mL	Dil. Factor:	1.0000		
Sample Info:					
Misc. Info.:	410-0086555-003				
Operator ID:		Instrument ID:	19506-B		
Method:	\\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\RSK_CO2_19506B.m				
Limit Group:	GCV - RSK175 CO2				
Last Update:	14-Jun-2023 14:30:48	Calib Date:	27-Apr-2023 10:37:00		
Integrator:	Genie				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0010.d				
Column 1 :	HP Plot (0.00 mm)		Det: 0FIDA		
Process Host:	CTX1625				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Carbon dioxide	2.068	2.061	0.007	4099377H		1246.0	

Report Date: 14-Jun-2023 14:30:49

Chrom Revision: 2.3 05-Jun-2023 19:02:10
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\312023_06_14BB.0003.d
Injection Date: 14-Jun-2023 09:16:00 Instrument ID: 19506-B Operator ID:
Lims ID: MB 410-386428/1-A Worklist Smp#: 3
Client ID:
Purge Vol: 1.000 mL Dil. Factor: 1.0000 ALS Bottle#: 0
Method: RSK_CO2_19506B Limit Group: GCV - RSK175 CO2
Column: HP Plot (0.00 mm)



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-129509-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-386428/2-A

Matrix: Water Lab File ID: 312023_06_14BB.0004.d

Analysis Method: RSK-175 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/14/2023 09:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: HP Plot ID: 0.53(mm)

Purge Volume: Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 386376 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	DL
124-38-9	Carbon dioxide	32900		12000	2600

Report Date: 14-Jun-2023 14:30:50

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

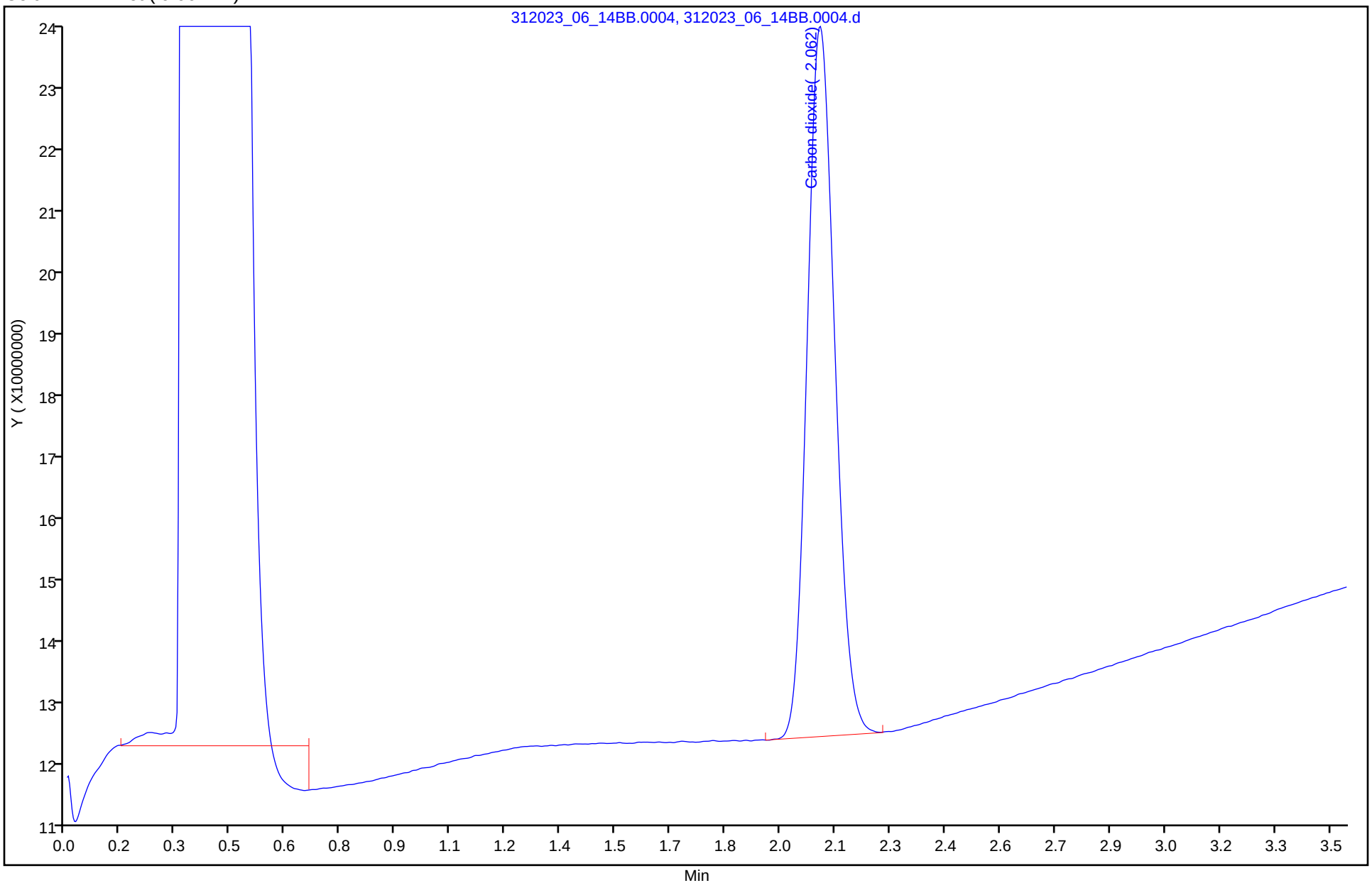
Data File:	\\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\312023_06_14BB.0004.d				
Lims ID:	LCS 410-386428/2-A				
Client ID:					
Sample Type:	LCS				
Inject. Date:	14-Jun-2023 09:23:00	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	1.000 mL	Dil. Factor:	1.0000		
Sample Info:					
Misc. Info.:	410-0086555-004				
Operator ID:		Instrument ID:	19506-B		
Method:	\\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\RSK_CO2_19506B.m				
Limit Group:	GCV - RSK175 CO2				
Last Update:	14-Jun-2023 14:30:48	Calib Date:	27-Apr-2023 10:37:00		
Integrator:	Genie				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0010.d				
Column 1 :	HP Plot (0.00 mm)		Det: 0FIDA		
Process Host:	CTX1625				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Carbon dioxide	2.062	2.061	0.001	108330922	H 35820	32926	

Report Date: 14-Jun-2023 14:30:50

Chrom Revision: 2.3 05-Jun-2023 19:02:10
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\312023_06_14BB.0004.d
Injection Date: 14-Jun-2023 09:23:00 Instrument ID: 19506-B Operator ID:
Lims ID: LCS 410-386428/2-A Worklist Smp#: 4
Client ID:
Purge Vol: 1.000 mL Dil. Factor: 1.0000 ALS Bottle#: 0
Method: RSK_CO2_19506B Limit Group: GCV - RSK175 CO2
Column: HP Plot (0.00 mm)



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-129509-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 410-386428/3-A

Matrix: Water Lab File ID: 312023_06_14BB.0005.d

Analysis Method: RSK-175 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/14/2023 09:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: HP Plot ID: 0.53(mm)

Purge Volume: Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 386376 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	DL
124-38-9	Carbon dioxide	34100		12000	2600

Report Date: 14-Jun-2023 14:30:50

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\312023_06_14BB.0005.d				
Lims ID:	LCSD 410-386428/3-A				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	14-Jun-2023 09:32:00	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	1.000 mL	Dil. Factor:	1.0000		
Sample Info:					
Misc. Info.:	410-0086555-005				
Operator ID:		Instrument ID:	19506-B		
Method:	\\chromfs\Lancaster\ChromData\19506-B\20230614-86555.b\RSK_CO2_19506B.m				
Limit Group:	GCV - RSK175 CO2				
Last Update:	14-Jun-2023 14:30:48	Calib Date:	27-Apr-2023 10:37:00		
Integrator:	Genie				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19506-B\20230427-82537.b\312023_04_27BB.0010.d				
Column 1 :	HP Plot (0.00 mm)		Det: 0FIDA		
Process Host:	CTX1625				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Carbon dioxide	2.060	2.061	-0.001	112201708	H 35820	34103	

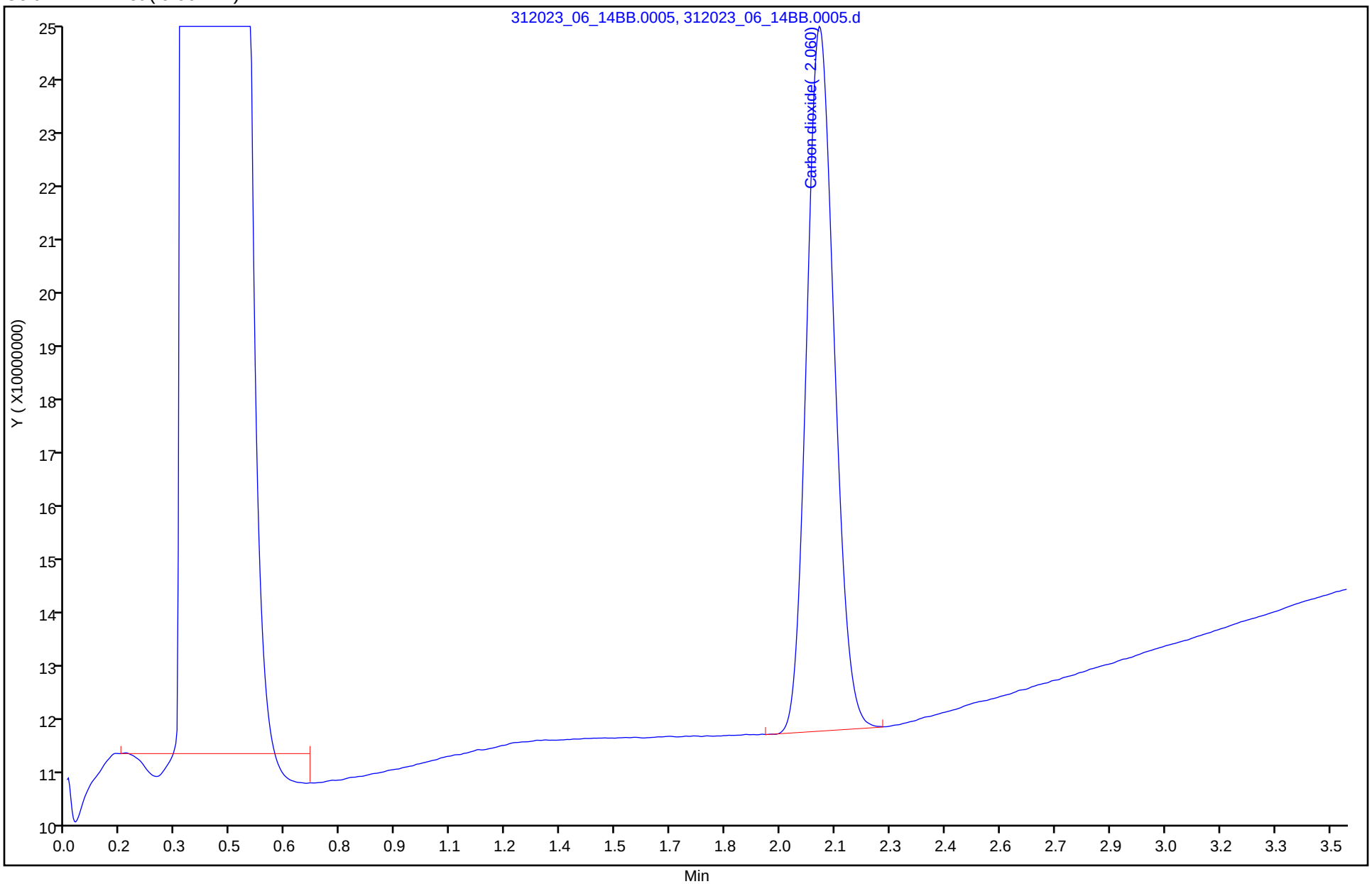
Report Date: 14-Jun-2023 14:30:50 Chrom Revision: 2.3 05-Jun-2023 19:02:10

Eurofins Lancaster Laboratories Environment Testing, LLC

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Injection Date:	14-Jun-2023 09:32:00	Instrument ID:	19506-B	Operator ID:	
Lims ID:	LCSD 410-386428/3-A			Worklist Smp#:	5
Client ID:					
Purge Vol:	1.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	RSK_CO2_19506B	Limit Group:	GCV - RSK175 CO2		

Column: HP Plot (0.00 mm)



GC VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-129509-1

SDG No.:

Batch Number: 369251 Batch Start Date: 04/27/23 09:16 Batch Analyst: Kennedy, Johanna C

Batch Method: RSK-175 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EPH_CO2ICV 00002	EPH_CO2MS 00004		
IC 410-369251/5		RSK-175		5 mL	5 mL		30 uL		
IC 410-369251/6		RSK-175		5 mL	5 mL		60 uL		
ICRT 410-369251/7		RSK-175		5 mL	5 mL		100 uL		
IC 410-369251/8		RSK-175		5 mL	5 mL		250 uL		
IC 410-369251/9		RSK-175		5 mL	5 mL		500 uL		
IC 410-369251/10		RSK-175		5 mL	5 mL		1000 uL		
ICV 410-369251/13		RSK-175		5 mL	5 mL	320 uL			

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-129509-1

SDG No.:

Batch Number: 386428 Batch Start Date: 06/14/23 09:10 Batch Analyst: Omorogbe, Malachi

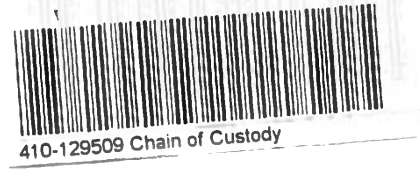
Batch Method: RSK-175 Batch End Date: 06/14/23 09:49

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	Headspace	EPH_CO2MS 00004	
MB 410-386428/1		RSK-175, RSK-175			5 mL	5 mL			
LCS 410-386428/2		RSK-175, RSK-175			5 mL	5 mL		0.1 mL	
LCSD 410-386428/3		RSK-175, RSK-175			5 mL	5 mL		0.1 mL	
410-129509-A-1	HS23060280-01	RSK-175, RSK-175	T	7 SU	5 mL	5 mL	No		
410-129509-A-2	HS23060280-02	RSK-175, RSK-175	T	7 SU	5 mL	5 mL	No		
410-129509-A-3	HS23060280-03	RSK-175, RSK-175	T	7 SU	5 mL	5 mL	No		
410-129509-A-4	HS23060280-04	RSK-175, RSK-175	T	7 SU	5 mL	5 mL	No		
410-129509-A-5	HS23060280-05	RSK-175, RSK-175	T	7 SU	5 mL	5 mL	No		
410-129509-A-6	HS23060280-06	RSK-175, RSK-175	T	7 SU	5 mL	5 mL	No		

Batch Notes	
Pipette/Syringe/Dispenser ID	7105
pH Indicator ID	10BDH3021

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.



10450 Stancliff Rd, Ste 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887
www.alsglobal.com

Subcontract Chain of Custody

SAMPLING STATE: **Texas** **COC ID:** **21952**

SUBCONTRACT TO:

Eurofins Lancaster Laboratories Envt Testing
2425 New Holland Pike
Lancaster, PA 17601

Phone: +1 717 656 2300

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:	HS23060280
TSR:	Holly Tignac

	LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	COLLECT DATE
	ANALYSIS REQUESTED			DUE DATE
1.	**HS23060280-01**	**35AWW19_060523**	**Water**	**05 Jun 2023 06:55**
	RSK-175 CO2; Level II & Level IV PDF; Basic Excel EDD			20 Jun 2023
2.	**HS23060280-02**	**35AWW20_060523**	**Water**	**05 Jun 2023 07:45**
	RSK-175 CO2; Level II & Level IV PDF; Basic Excel EDD			20 Jun 2023
3.	**HS23060280-03**	**35AWW07_060523**	**Water**	**05 Jun 2023 08:30**
	RSK-175 CO2; Level II & Level IV PDF; Basic Excel EDD			20 Jun 2023
4.	**HS23060280-04**	**35AWW06_060523**	**Water**	**05 Jun 2023 09:15**
	RSK-175 CO2; Level II & Level IV PDF; Basic Excel EDD			20 Jun 2023
5.	**HS23060280-05**	**35AWW23_060523**	**Water**	**05 Jun 2023 10:05**
	RSK-175 CO2; Level II & Level IV PDF; Basic Excel EDD			20 Jun 2023
6.	**HS23060280-06**	**35AWW11_060523**	**Water**	**05 Jun 2023 10:55**
	RSK-175 CO2; Level II & Level IV PDF; Basic Excel EDD			20 Jun 2023

Comments: Please analyze for the analysis listed above.
Send report to the emails shown above.

QC Level: DOD IV (DoD Data Package)

Subcontract Chain of Custody

SAMPLING STATE: **Texas** **COC ID:** **21952**

Relinquished By: _____ Date/Time: _____

Received By: Debra A. Bya Date/Time: 6-7-23 09:55

Cooler ID(s): _____ Temperature(s): _____

RAW: 1.4 CORR: 1.4

10450 Stancliff Rd, Ste 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887
www.alsglobal.com

Purchase Order

PO: HS23060280

VENDOR:

Eurofins Lancaster Laboratories Envt Testing
2425 New Holland Pike
Lancaster, PA 17601

Phone: +1 717 656 2300

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:	21952
TSR:	Holly Tignac

Item	Catalog No	Unit Price	Quantity	Ext Price
1. RSK-175 CO2; Level II & Level IV PDF; Basic Excel EDD	NA		6	

Order Total:

RIGHT SOLUTIONS | RIGHT PARTNER

RAW: 1.4 COOR: 1.4

HS23060596 LHAAP58 Cover Page

ALS WO# HS23060596

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ALS Group USA, Corp
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  - CaseNarrative
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  - 35AWW26_060623
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Form 6 - ICAL
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Form 7 - CCV
Form 8 - ISTD
Run Log
Raw Data VOA9 437296
Raw Data VOA9 437771
Raw Data VOA9 437981
HS23060596 - ME - ICP_W_DOD
Form 11 - ICPMS06 Internal Standard Association
Form 13 - ICPMS06_439315 Run Log
Form 2 - ICPMS06_439315 CCV
Form 3 - ICPMS06_439315 CCB
Form 4 - ICPMS06_439315 ICSA
Form 5A - ICPMS06_439315 MS
Form 5B - ICPMS06_439315 PDS
Form 7 - ICPMS06_439315 LCS
Form 8 - ICPMS06_439315 SD

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WorkOrder: HS23060596

LHAAP-58

Bhate Environmental Associates, Inc.

Marcia Olive
445 Union Blvd Ste 129
Lakewood CO 80228

16-Jun-2023

HS23060596 LHAAP58 Final

ALS WO# HS23060596

10450 Stancliff Rd. Suite 210
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June 21, 2023

Marcia Olive
Bhate Environmental Associates, Inc.
445 Union Blvd Ste 129
Lakewood, CO 80228

Work Order: **HS23060596**

Laboratory Results for: **LHAAP-58**

Dear Marcia Olive,

ALS Environmental received 10 sample(s) on Jun 07, 2023 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: DAYNA.FISHER
James Guin

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Work Order: HS23060596

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23060596-01	03WW01_060623	Groundwater		06-Jun-2023 07:20	07-Jun-2023 09:50	☐
HS23060596-02	35AWW08_060623	Groundwater		06-Jun-2023 08:00	07-Jun-2023 09:50	☐
HS23060596-03	35AWW01_060623	Groundwater		06-Jun-2023 08:45	07-Jun-2023 09:50	☐
HS23060596-04	35AWW09_060623	Groundwater		06-Jun-2023 09:00	07-Jun-2023 09:50	☐
HS23060596-05	35AWW09_060623_a	Groundwater		06-Jun-2023 09:00	07-Jun-2023 09:50	☐
HS23060596-06	35AWW13_060623	Groundwater		06-Jun-2023 10:15	07-Jun-2023 09:50	☐
HS23060596-07	35AWW10_060623	Groundwater		06-Jun-2023 10:55	07-Jun-2023 09:50	☐
HS23060596-08	35AWW26_060623	Groundwater		06-Jun-2023 11:35	07-Jun-2023 09:50	☐
HS23060596-09	35AWW21_060623	Groundwater		06-Jun-2023 13:20	07-Jun-2023 09:50	☐
HS23060596-10	Trip Blank	Water		06-Jun-2023 00:00	07-Jun-2023 09:50	☐

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Work Order: HS23060596

CASE NARRATIVE

Work Order Comments

- Due to an unexpected power outage in the area surrounding the laboratory, sample storage requirements were outside of temperature range for approximately 24 hours. As of 2:00 pm, Monday June 12th all temperatures have been verified within specification.

GCMS Volatiles by Method SW8260

Batch ID: R437981

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch ID: R437771

Sample ID: 03WW01_060623 (HS23060596-01)

- Lowest practical dilution due to matrix. Sample is foamy.

Sample ID: 35AWW08_060623 (HS23060596-02)

- Lowest practical dilution due to matrix. Sample is foamy.

Sample ID: 35AWW13_060623 (HS23060596-06)

- Toluene-d8 (SURR) exceeded recovery limits. Sample is ND.

Sample ID: 35AWW26_060623 (HS23060596-08MSD)

- MSD recovered outside control limits for 1,1-Dichloroethane

Metals by Method SW6020A

Batch ID: 195358

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 03WW01_060623
Collection Date: 06-Jun-2023 07:20

ANALYTICAL REPORT
WorkOrder:HS23060596
Lab ID:HS23060596-01
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C	**Method:SW8260**							Analyst: PC
1,1,1,2-Tetrachloroethane	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:19
1,1,1-Trichloroethane	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:19
1,1,2,2-Tetrachloroethane	2.5	U	2.5	2.5	5.0	ug/L	5	13-Jun-2023 17:19
1,1,2-Trichloroethane	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:19
1,1-Dichloroethane	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:19
1,1-Dichloroethene	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:19
1,1-Dichloropropene	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:19
1,2,3-Trichlorobenzene	2.5	U	2.0	2.5	5.0	ug/L	5	13-Jun-2023 17:19
1,2,3-Trichloropropane	2.5	U	2.5	2.5	5.0	ug/L	5	13-Jun-2023 17:19
1,2,4-Trichlorobenzene	2.5	U	2.5	2.5	5.0	ug/L	5	13-Jun-2023 17:19
1,2,4-Trimethylbenzene	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:19
1,2-Dibromo-3-chloropropane	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:19
1,2-Dibromoethane	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:19
1,2-Dichlorobenzene	2.5	U	2.5	2.5	5.0	ug/L	5	13-Jun-2023 17:19
1,2-Dichloroethane	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:19
1,2-Dichloropropane	2.5	U	2.5	2.5	5.0	ug/L	5	13-Jun-2023 17:19
1,3,5-Trimethylbenzene	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:19
1,3-Dichlorobenzene	2.5	U	2.0	2.5	5.0	ug/L	5	13-Jun-2023 17:19
1,3-Dichloropropane	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:19
1,4-Dichlorobenzene	2.5	U	2.0	2.5	5.0	ug/L	5	13-Jun-2023 17:19
2,2-Dichloropropane	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:19
2-Butanone	2.5	U	2.5	2.5	10	ug/L	5	13-Jun-2023 17:19
2-Chlorotoluene	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:19
2-Hexanone	2.5	U	5.0	2.5	10	ug/L	5	13-Jun-2023 17:19
4-Chlorotoluene	2.5	U	2.0	2.5	5.0	ug/L	5	13-Jun-2023 17:19
4-Isopropyltoluene	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:19
4-Methyl-2-pentanone	2.5	U	3.5	2.5	10	ug/L	5	13-Jun-2023 17:19
Acetone	2.5	U	2.0	2.5	10	ug/L	5	13-Jun-2023 17:19
Benzene	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:19
Bromobenzene	2.5	U	2.0	2.5	5.0	ug/L	5	13-Jun-2023 17:19
Bromochloromethane	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:19
Bromodichloromethane	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:19
Bromoform	2.5	U	2.0	2.5	5.0	ug/L	5	13-Jun-2023 17:19
Bromomethane	2.5	U	2.0	2.5	5.0	ug/L	5	13-Jun-2023 17:19
Carbon disulfide	2.5	U	3.0	2.5	10	ug/L	5	13-Jun-2023 17:19
Carbon tetrachloride	2.5	U	2.5	2.5	5.0	ug/L	5	13-Jun-2023 17:19
Chlorobenzene	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:19
Chloroethane	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:19
Chloroform	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:19

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 03WW01_060623
Collection Date: 06-Jun-2023 07:20

ANALYTICAL REPORT
WorkOrder:HS23060596
Lab ID:HS23060596-01
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C		**Method:SW8260**						Analyst: PC
Chloromethane	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:19
cis-1,2-Dichloroethene	**6.1**		**1.0**	**2.5**	**5.0**	**ug/L**	5	13-Jun-2023 17:19
cis-1,3-Dichloropropene	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:19
Dibromochloromethane	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:19
Dibromomethane	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:19
Dichlorodifluoromethane	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:19
Ethylbenzene	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:19
Hexachlorobutadiene	2.5	U	5.0	2.5	5.0	ug/L	5	13-Jun-2023 17:19
Isopropylbenzene	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:19
m,p-Xylene	5.0	U	2.5	5.0	10	ug/L	5	13-Jun-2023 17:19
Methylene chloride	2.5	U	2.0	2.5	10	ug/L	5	13-Jun-2023 17:19
n-Butylbenzene	2.5	U	2.0	2.5	5.0	ug/L	5	13-Jun-2023 17:19
n-Propylbenzene	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:19
Naphthalene	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:19
o-Xylene	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:19
sec-Butylbenzene	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:19
Styrene	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:19
tert-Butylbenzene	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:19
Tetrachloroethene	**4.8**	J	**1.5**	**2.5**	**5.0**	**ug/L**	5	13-Jun-2023 17:19
Toluene	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:19
trans-1,2-Dichloroethene	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:19
trans-1,3-Dichloropropene	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:19
Trichloroethene	**10**		**1.0**	**2.5**	**5.0**	**ug/L**	5	13-Jun-2023 17:19
Trichlorofluoromethane	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:19
Vinyl chloride	**3.7**	J	**1.0**	**2.5**	**5.0**	**ug/L**	5	13-Jun-2023 17:19
Surr: 1,2-Dichloroethane-d4	*106*			**0**	*81-118*	*%REC*	*5*	*13-Jun-2023 17:19*
Surr: 4-Bromofluorobenzene	*95.6*			**0**	*85-114*	*%REC*	*5*	*13-Jun-2023 17:19*
Surr: Dibromofluoromethane	*97.7*			**0**	*80-119*	*%REC*	*5*	*13-Jun-2023 17:19*
Surr: Toluene-d8	*110*			**0**	*89-112*	*%REC*	*5*	*13-Jun-2023 17:19*
METALS BY ICPMS BY SW6020A		**Method:SW6020A**				Prep:SW3010A / 17-Jun-2023		Analyst: JC
Arsenic	**0.00867**		**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	20-Jun-2023 23:37

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 35AWW08_060623
Collection Date: 06-Jun-2023 08:00

ANALYTICAL REPORT
WorkOrder:HS23060596
Lab ID:HS23060596-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C	**Method:SW8260**							Analyst: PC
1,1,1,2-Tetrachloroethane	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:41
1,1,1-Trichloroethane	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:41
1,1,2,2-Tetrachloroethane	2.5	U	2.5	2.5	5.0	ug/L	5	13-Jun-2023 17:41
1,1,2-Trichloroethane	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:41
1,1-Dichloroethane	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:41
1,1-Dichloroethene	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:41
1,1-Dichloropropene	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:41
1,2,3-Trichlorobenzene	2.5	U	2.0	2.5	5.0	ug/L	5	13-Jun-2023 17:41
1,2,3-Trichloropropane	2.5	U	2.5	2.5	5.0	ug/L	5	13-Jun-2023 17:41
1,2,4-Trichlorobenzene	2.5	U	2.5	2.5	5.0	ug/L	5	13-Jun-2023 17:41
1,2,4-Trimethylbenzene	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:41
1,2-Dibromo-3-chloropropane	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:41
1,2-Dibromoethane	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:41
1,2-Dichlorobenzene	2.5	U	2.5	2.5	5.0	ug/L	5	13-Jun-2023 17:41
1,2-Dichloroethane	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:41
1,2-Dichloropropane	2.5	U	2.5	2.5	5.0	ug/L	5	13-Jun-2023 17:41
1,3,5-Trimethylbenzene	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:41
1,3-Dichlorobenzene	2.5	U	2.0	2.5	5.0	ug/L	5	13-Jun-2023 17:41
1,3-Dichloropropane	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:41
1,4-Dichlorobenzene	2.5	U	2.0	2.5	5.0	ug/L	5	13-Jun-2023 17:41
2,2-Dichloropropane	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:41
2-Butanone	2.5	U	2.5	2.5	10	ug/L	5	13-Jun-2023 17:41
2-Chlorotoluene	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:41
2-Hexanone	2.5	U	5.0	2.5	10	ug/L	5	13-Jun-2023 17:41
4-Chlorotoluene	2.5	U	2.0	2.5	5.0	ug/L	5	13-Jun-2023 17:41
4-Isopropyltoluene	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:41
4-Methyl-2-pentanone	2.5	U	3.5	2.5	10	ug/L	5	13-Jun-2023 17:41
Acetone	2.5	U	2.0	2.5	10	ug/L	5	13-Jun-2023 17:41
Benzene	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:41
Bromobenzene	2.5	U	2.0	2.5	5.0	ug/L	5	13-Jun-2023 17:41
Bromochloromethane	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:41
Bromodichloromethane	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:41
Bromoform	2.5	U	2.0	2.5	5.0	ug/L	5	13-Jun-2023 17:41
Bromomethane	2.5	U	2.0	2.5	5.0	ug/L	5	13-Jun-2023 17:41
Carbon disulfide	2.5	U	3.0	2.5	10	ug/L	5	13-Jun-2023 17:41
Carbon tetrachloride	2.5	U	2.5	2.5	5.0	ug/L	5	13-Jun-2023 17:41
Chlorobenzene	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:41
Chloroethane	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:41
Chloroform	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:41

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 35AWW08_060623
Collection Date: 06-Jun-2023 08:00

ANALYTICAL REPORT
WorkOrder:HS23060596
Lab ID:HS23060596-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C		**Method:SW8260**						Analyst: PC
Chloromethane	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:41
cis-1,2-Dichloroethene	**5.2**		**1.0**	**2.5**	**5.0**	**ug/L**	5	13-Jun-2023 17:41
cis-1,3-Dichloropropene	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:41
Dibromochloromethane	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:41
Dibromomethane	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:41
Dichlorodifluoromethane	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:41
Ethylbenzene	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:41
Hexachlorobutadiene	2.5	U	5.0	2.5	5.0	ug/L	5	13-Jun-2023 17:41
Isopropylbenzene	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:41
m,p-Xylene	5.0	U	2.5	5.0	10	ug/L	5	13-Jun-2023 17:41
Methylene chloride	2.5	U	2.0	2.5	10	ug/L	5	13-Jun-2023 17:41
n-Butylbenzene	2.5	U	2.0	2.5	5.0	ug/L	5	13-Jun-2023 17:41
n-Propylbenzene	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:41
Naphthalene	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:41
o-Xylene	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:41
sec-Butylbenzene	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:41
Styrene	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:41
tert-Butylbenzene	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:41
Tetrachloroethene	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:41
Toluene	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:41
trans-1,2-Dichloroethene	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:41
trans-1,3-Dichloropropene	2.5	U	1.0	2.5	5.0	ug/L	5	13-Jun-2023 17:41
Trichloroethene	**5.2**		**1.0**	**2.5**	**5.0**	**ug/L**	5	13-Jun-2023 17:41
Trichlorofluoromethane	2.5	U	1.5	2.5	5.0	ug/L	5	13-Jun-2023 17:41
Vinyl chloride	**2.6**	J	**1.0**	**2.5**	**5.0**	**ug/L**	5	13-Jun-2023 17:41
Surr: 1,2-Dichloroethane-d4	*111*			**0**	*81-118*	*%REC*	*5*	*13-Jun-2023 17:41*
Surr: 4-Bromofluorobenzene	*97.6*			**0**	*85-114*	*%REC*	*5*	*13-Jun-2023 17:41*
Surr: Dibromofluoromethane	*98.9*			**0**	*80-119*	*%REC*	*5*	*13-Jun-2023 17:41*
Surr: Toluene-d8	*111*			**0**	*89-112*	*%REC*	*5*	*13-Jun-2023 17:41*
METALS BY ICPMS BY SW6020A		**Method:SW6020A**				Prep:SW3010A / 17-Jun-2023		Analyst: JC
Arsenic	**0.0319**		**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	20-Jun-2023 23:39

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 35AWW01_060623
Collection Date: 06-Jun-2023 08:45

ANALYTICAL REPORT
WorkOrder:HS23060596
Lab ID:HS23060596-03
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C	**Method:SW8260**							Analyst: PC
1,1,1,2-Tetrachloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:04
1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:04
1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 18:04
1,1,2-Trichloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:04
1,1-Dichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:04
1,1-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:04
1,1-Dichloropropene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:04
1,2,3-Trichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 18:04
1,2,3-Trichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 18:04
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 18:04
1,2,4-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:04
1,2-Dibromo-3-chloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:04
1,2-Dibromoethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:04
1,2-Dichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 18:04
1,2-Dichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:04
1,2-Dichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 18:04
1,3,5-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:04
1,3-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 18:04
1,3-Dichloropropane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:04
1,4-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 18:04
2,2-Dichloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:04
2-Butanone	0.50	U	0.50	0.50	2.0	ug/L	1	13-Jun-2023 18:04
2-Chlorotoluene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:04
2-Hexanone	0.50	U	1.0	0.50	2.0	ug/L	1	13-Jun-2023 18:04
4-Chlorotoluene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 18:04
4-Isopropyltoluene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:04
4-Methyl-2-pentanone	0.50	U	0.70	0.50	2.0	ug/L	1	13-Jun-2023 18:04
Acetone	0.50	U	0.40	0.50	2.0	ug/L	1	13-Jun-2023 18:04
Benzene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:04
Bromobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 18:04
Bromochloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:04
Bromodichloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:04
Bromoform	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 18:04
Bromomethane	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 18:04
Carbon disulfide	0.50	U	0.60	0.50	2.0	ug/L	1	13-Jun-2023 18:04
Carbon tetrachloride	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 18:04
Chlorobenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:04
Chloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:04
Chloroform	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:04

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 35AWW01_060623
Collection Date: 06-Jun-2023 08:45

ANALYTICAL REPORT
WorkOrder:HS23060596
Lab ID:HS23060596-03
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C		**Method:SW8260**						Analyst: PC
Chloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:04
cis-1,2-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:04
cis-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:04
Dibromochloromethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:04
Dibromomethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:04
Dichlorodifluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:04
Ethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:04
Hexachlorobutadiene	0.50	U	1.0	0.50	1.0	ug/L	1	13-Jun-2023 18:04
Isopropylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:04
m,p-Xylene	1.0	U	0.50	1.0	2.0	ug/L	1	13-Jun-2023 18:04
Methylene chloride	0.50	U	0.40	0.50	2.0	ug/L	1	13-Jun-2023 18:04
n-Butylbenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 18:04
n-Propylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:04
Naphthalene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:04
o-Xylene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:04
sec-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:04
Styrene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:04
tert-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:04
Tetrachloroethene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:04
Toluene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:04
trans-1,2-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:04
trans-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:04
Trichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:04
Trichlorofluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:04
Vinyl chloride	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:04
Surr: 1,2-Dichloroethane-d4	*114*			**0**	*81-118*	*%REC*	*1*	*13-Jun-2023 18:04*
Surr: 4-Bromofluorobenzene	*97.2*			**0**	*85-114*	*%REC*	*1*	*13-Jun-2023 18:04*
Surr: Dibromofluoromethane	*101*			**0**	*80-119*	*%REC*	*1*	*13-Jun-2023 18:04*
Surr: Toluene-d8	*109*			**0**	*89-112*	*%REC*	*1*	*13-Jun-2023 18:04*
METALS BY ICPMS BY SW6020A		**Method:SW6020A**				Prep:SW3010A / 17-Jun-2023		Analyst: JC
Arsenic	**0.000503**	J	**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	20-Jun-2023 23:43

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 35AWW09_060623
Collection Date: 06-Jun-2023 09:00

ANALYTICAL REPORT
WorkOrder:HS23060596
Lab ID:HS23060596-04
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C	**Method:SW8260**							Analyst: PC
1,1,1,2-Tetrachloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:33
1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:33
1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 19:33
1,1,2-Trichloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:33
1,1-Dichloroethane	**0.75**	J	**0.20**	**0.50**	**1.0**	**ug/L**	1	13-Jun-2023 19:33
1,1-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:33
1,1-Dichloropropene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:33
1,2,3-Trichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 19:33
1,2,3-Trichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 19:33
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 19:33
1,2,4-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:33
1,2-Dibromo-3-chloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:33
1,2-Dibromoethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:33
1,2-Dichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 19:33
1,2-Dichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:33
1,2-Dichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 19:33
1,3,5-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:33
1,3-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 19:33
1,3-Dichloropropane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:33
1,4-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 19:33
2,2-Dichloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:33
2-Butanone	0.50	U	0.50	0.50	2.0	ug/L	1	13-Jun-2023 19:33
2-Chlorotoluene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:33
2-Hexanone	0.50	U	1.0	0.50	2.0	ug/L	1	13-Jun-2023 19:33
4-Chlorotoluene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 19:33
4-Isopropyltoluene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:33
4-Methyl-2-pentanone	0.50	U	0.70	0.50	2.0	ug/L	1	13-Jun-2023 19:33
Acetone	0.50	U	0.40	0.50	2.0	ug/L	1	13-Jun-2023 19:33
Benzene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:33
Bromobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 19:33
Bromochloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:33
Bromodichloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:33
Bromoform	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 19:33
Bromomethane	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 19:33
Carbon disulfide	0.50	U	0.60	0.50	2.0	ug/L	1	13-Jun-2023 19:33
Carbon tetrachloride	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 19:33
Chlorobenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:33
Chloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:33
Chloroform	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:33

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 35AWW09_060623
Collection Date: 06-Jun-2023 09:00

ANALYTICAL REPORT
WorkOrder:HS23060596
Lab ID:HS23060596-04
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C		**Method:SW8260**						Analyst: PC
Chloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:33
cis-1,2-Dichloroethene	**1.3**		**0.20**	**0.50**	**1.0**	**ug/L**	1	13-Jun-2023 19:33
cis-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:33
Dibromochloromethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:33
Dibromomethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:33
Dichlorodifluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:33
Ethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:33
Hexachlorobutadiene	0.50	U	1.0	0.50	1.0	ug/L	1	13-Jun-2023 19:33
Isopropylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:33
m,p-Xylene	1.0	U	0.50	1.0	2.0	ug/L	1	13-Jun-2023 19:33
Methylene chloride	0.50	U	0.40	0.50	2.0	ug/L	1	13-Jun-2023 19:33
n-Butylbenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 19:33
n-Propylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:33
Naphthalene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:33
o-Xylene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:33
sec-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:33
Styrene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:33
tert-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:33
Tetrachloroethene	**450**		**3.0**	**5.0**	**10**	**ug/L**	10	15-Jun-2023 17:39
Toluene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:33
trans-1,2-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:33
trans-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:33
Trichloroethene	**180**		**2.0**	**5.0**	**10**	**ug/L**	10	15-Jun-2023 17:39
Trichlorofluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:33
Vinyl chloride	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:33
Surr: 1,2-Dichloroethane-d4	*102*			**0**	*81-118*	*%REC*	*1*	*13-Jun-2023 19:33*
Surr: 1,2-Dichloroethane-d4	*115*			**0**	*81-118*	*%REC*	*10*	*15-Jun-2023 17:39*
Surr: 4-Bromofluorobenzene	*91.7*			**0**	*85-114*	*%REC*	*1*	*13-Jun-2023 19:33*
Surr: 4-Bromofluorobenzene	*95.7*			**0**	*85-114*	*%REC*	*10*	*15-Jun-2023 17:39*
Surr: Dibromofluoromethane	*96.4*			**0**	*80-119*	*%REC*	*1*	*13-Jun-2023 19:33*
Surr: Dibromofluoromethane	*101*			**0**	*80-119*	*%REC*	*10*	*15-Jun-2023 17:39*
Surr: Toluene-d8	*109*			**0**	*89-112*	*%REC*	*1*	*13-Jun-2023 19:33*
Surr: Toluene-d8	*112*			**0**	*89-112*	*%REC*	*10*	*15-Jun-2023 17:39*
METALS BY ICPMS BY SW6020A		**Method:SW6020A**				Prep:SW3010A / 17-Jun-2023		Analyst: JC
Arsenic	**0.000498**	J	**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	20-Jun-2023 23:45

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 35AWW09_060623_a
Collection Date: 06-Jun-2023 09:00

ANALYTICAL REPORT
WorkOrder:HS23060596
Lab ID:HS23060596-05
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C	**Method:SW8260**							Analyst: PC
1,1,1,2-Tetrachloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:56
1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:56
1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 19:56
1,1,2-Trichloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:56
1,1-Dichloroethane	**0.97**	J	**0.20**	**0.50**	**1.0**	**ug/L**	1	13-Jun-2023 19:56
1,1-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:56
1,1-Dichloropropene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:56
1,2,3-Trichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 19:56
1,2,3-Trichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 19:56
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 19:56
1,2,4-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:56
1,2-Dibromo-3-chloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:56
1,2-Dibromoethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:56
1,2-Dichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 19:56
1,2-Dichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:56
1,2-Dichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 19:56
1,3,5-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:56
1,3-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 19:56
1,3-Dichloropropane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:56
1,4-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 19:56
2,2-Dichloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:56
2-Butanone	0.50	U	0.50	0.50	2.0	ug/L	1	13-Jun-2023 19:56
2-Chlorotoluene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:56
2-Hexanone	0.50	U	1.0	0.50	2.0	ug/L	1	13-Jun-2023 19:56
4-Chlorotoluene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 19:56
4-Isopropyltoluene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:56
4-Methyl-2-pentanone	0.50	U	0.70	0.50	2.0	ug/L	1	13-Jun-2023 19:56
Acetone	0.50	U	0.40	0.50	2.0	ug/L	1	13-Jun-2023 19:56
Benzene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:56
Bromobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 19:56
Bromochloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:56
Bromodichloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:56
Bromoform	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 19:56
Bromomethane	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 19:56
Carbon disulfide	0.50	U	0.60	0.50	2.0	ug/L	1	13-Jun-2023 19:56
Carbon tetrachloride	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 19:56
Chlorobenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:56
Chloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:56
Chloroform	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:56

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 35AWW09_060623_a
Collection Date: 06-Jun-2023 09:00

ANALYTICAL REPORT
WorkOrder:HS23060596
Lab ID:HS23060596-05
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C		**Method:SW8260**						Analyst: PC
Chloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:56
cis-1,2-Dichloroethene	**1.6**		**0.20**	**0.50**	**1.0**	**ug/L**	1	13-Jun-2023 19:56
cis-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:56
Dibromochloromethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:56
Dibromomethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:56
Dichlorodifluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:56
Ethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:56
Hexachlorobutadiene	0.50	U	1.0	0.50	1.0	ug/L	1	13-Jun-2023 19:56
Isopropylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:56
m,p-Xylene	1.0	U	0.50	1.0	2.0	ug/L	1	13-Jun-2023 19:56
Methylene chloride	0.50	U	0.40	0.50	2.0	ug/L	1	13-Jun-2023 19:56
n-Butylbenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 19:56
n-Propylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:56
Naphthalene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:56
o-Xylene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:56
sec-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:56
Styrene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:56
tert-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:56
Tetrachloroethene	**460**		**3.0**	**5.0**	**10**	**ug/L**	10	15-Jun-2023 18:02
Toluene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:56
trans-1,2-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:56
trans-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:56
Trichloroethene	**180**		**2.0**	**5.0**	**10**	**ug/L**	10	15-Jun-2023 18:02
Trichlorofluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:56
Vinyl chloride	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:56
Surr: 1,2-Dichloroethane-d4	*113*			**0**	*81-118*	*%REC*	*1*	*13-Jun-2023 19:56*
Surr: 1,2-Dichloroethane-d4	*113*			**0**	*81-118*	*%REC*	*10*	*15-Jun-2023 18:02*
Surr: 4-Bromofluorobenzene	*95.2*			**0**	*85-114*	*%REC*	*1*	*13-Jun-2023 19:56*
Surr: 4-Bromofluorobenzene	*96.9*			**0**	*85-114*	*%REC*	*10*	*15-Jun-2023 18:02*
Surr: Dibromofluoromethane	*98.1*			**0**	*80-119*	*%REC*	*1*	*13-Jun-2023 19:56*
Surr: Dibromofluoromethane	*104*			**0**	*80-119*	*%REC*	*10*	*15-Jun-2023 18:02*
Surr: Toluene-d8	*111*			**0**	*89-112*	*%REC*	*1*	*13-Jun-2023 19:56*
Surr: Toluene-d8	*110*			**0**	*89-112*	*%REC*	*10*	*15-Jun-2023 18:02*
METALS BY ICPMS BY SW6020A		**Method:SW6020A**				Prep:SW3010A / 17-Jun-2023		Analyst: JC
Arsenic	**0.000528**	J	**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	20-Jun-2023 23:48

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 35AWW13_060623
Collection Date: 06-Jun-2023 10:15

ANALYTICAL REPORT
WorkOrder:HS23060596
Lab ID:HS23060596-06
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C	**Method:SW8260**							Analyst: PC
1,1,1,2-Tetrachloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:26
1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:26
1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 18:26
1,1,2-Trichloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:26
1,1-Dichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:26
1,1-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:26
1,1-Dichloropropene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:26
1,2,3-Trichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 18:26
1,2,3-Trichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 18:26
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 18:26
1,2,4-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:26
1,2-Dibromo-3-chloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:26
1,2-Dibromoethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:26
1,2-Dichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 18:26
1,2-Dichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:26
1,2-Dichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 18:26
1,3,5-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:26
1,3-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 18:26
1,3-Dichloropropane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:26
1,4-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 18:26
2,2-Dichloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:26
2-Butanone	0.50	U	0.50	0.50	2.0	ug/L	1	13-Jun-2023 18:26
2-Chlorotoluene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:26
2-Hexanone	0.50	U	1.0	0.50	2.0	ug/L	1	13-Jun-2023 18:26
4-Chlorotoluene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 18:26
4-Isopropyltoluene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:26
4-Methyl-2-pentanone	0.50	U	0.70	0.50	2.0	ug/L	1	13-Jun-2023 18:26
Acetone	0.50	U	0.40	0.50	2.0	ug/L	1	13-Jun-2023 18:26
Benzene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:26
Bromobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 18:26
Bromochloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:26
Bromodichloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:26
Bromoform	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 18:26
Bromomethane	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 18:26
Carbon disulfide	0.50	U	0.60	0.50	2.0	ug/L	1	13-Jun-2023 18:26
Carbon tetrachloride	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 18:26
Chlorobenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:26
Chloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:26
Chloroform	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:26

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 35AWW13_060623
Collection Date: 06-Jun-2023 10:15

ANALYTICAL REPORT
WorkOrder:HS23060596
Lab ID:HS23060596-06
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C	**Method:SW8260**							Analyst: PC
Chloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:26
cis-1,2-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:26
cis-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:26
Dibromochloromethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:26
Dibromomethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:26
Dichlorodifluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:26
Ethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:26
Hexachlorobutadiene	0.50	U	1.0	0.50	1.0	ug/L	1	13-Jun-2023 18:26
Isopropylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:26
m,p-Xylene	1.0	U	0.50	1.0	2.0	ug/L	1	13-Jun-2023 18:26
Methylene chloride	0.50	U	0.40	0.50	2.0	ug/L	1	13-Jun-2023 18:26
n-Butylbenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 18:26
n-Propylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:26
Naphthalene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:26
o-Xylene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:26
sec-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:26
Styrene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:26
tert-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:26
Tetrachloroethene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:26
Toluene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:26
trans-1,2-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:26
trans-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:26
Trichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:26
Trichlorofluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:26
Vinyl chloride	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:26
Surr: 1,2-Dichloroethane-d4	*103*			**0**	*81-118*	*%REC*	*1*	*13-Jun-2023 18:26*
Surr: 4-Bromofluorobenzene	*104*			**0**	*85-114*	*%REC*	*1*	*13-Jun-2023 18:26*
Surr: Dibromofluoromethane	*95.7*			**0**	*80-119*	*%REC*	*1*	*13-Jun-2023 18:26*
Surr: Toluene-d8	*120*	*S*		**0**	*89-112*	*%REC*	*1*	*13-Jun-2023 18:26*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 35AWW10_060623
Collection Date: 06-Jun-2023 10:55

ANALYTICAL REPORT
WorkOrder:HS23060596
Lab ID:HS23060596-07
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C	**Method:SW8260**							Analyst: PC
1,1,1,2-Tetrachloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:48
1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:48
1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 18:48
1,1,2-Trichloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:48
1,1-Dichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:48
1,1-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:48
1,1-Dichloropropene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:48
1,2,3-Trichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 18:48
1,2,3-Trichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 18:48
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 18:48
1,2,4-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:48
1,2-Dibromo-3-chloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:48
1,2-Dibromoethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:48
1,2-Dichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 18:48
1,2-Dichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:48
1,2-Dichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 18:48
1,3,5-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:48
1,3-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 18:48
1,3-Dichloropropane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:48
1,4-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 18:48
2,2-Dichloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:48
2-Butanone	0.50	U	0.50	0.50	2.0	ug/L	1	13-Jun-2023 18:48
2-Chlorotoluene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:48
2-Hexanone	0.50	U	1.0	0.50	2.0	ug/L	1	13-Jun-2023 18:48
4-Chlorotoluene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 18:48
4-Isopropyltoluene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:48
4-Methyl-2-pentanone	0.50	U	0.70	0.50	2.0	ug/L	1	13-Jun-2023 18:48
Acetone	0.50	U	0.40	0.50	2.0	ug/L	1	13-Jun-2023 18:48
Benzene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:48
Bromobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 18:48
Bromochloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:48
Bromodichloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:48
Bromoform	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 18:48
Bromomethane	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 18:48
Carbon disulfide	0.50	U	0.60	0.50	2.0	ug/L	1	13-Jun-2023 18:48
Carbon tetrachloride	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 18:48
Chlorobenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:48
Chloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:48
Chloroform	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:48

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 35AWW10_060623
Collection Date: 06-Jun-2023 10:55

ANALYTICAL REPORT
WorkOrder:HS23060596
Lab ID:HS23060596-07
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C	**Method:SW8260**							Analyst: PC
Chloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:48
cis-1,2-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:48
cis-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:48
Dibromochloromethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:48
Dibromomethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:48
Dichlorodifluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:48
Ethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:48
Hexachlorobutadiene	0.50	U	1.0	0.50	1.0	ug/L	1	13-Jun-2023 18:48
Isopropylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:48
m,p-Xylene	1.0	U	0.50	1.0	2.0	ug/L	1	13-Jun-2023 18:48
Methylene chloride	0.50	U	0.40	0.50	2.0	ug/L	1	13-Jun-2023 18:48
n-Butylbenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 18:48
n-Propylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:48
Naphthalene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:48
o-Xylene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:48
sec-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:48
Styrene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:48
tert-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:48
Tetrachloroethene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:48
Toluene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:48
trans-1,2-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:48
trans-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:48
Trichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:48
Trichlorofluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 18:48
Vinyl chloride	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 18:48
Surr: 1,2-Dichloroethane-d4	*100*			**0**	*81-118*	*%REC*	*1*	*13-Jun-2023 18:48*
Surr: 4-Bromofluorobenzene	*93.0*			**0**	*85-114*	*%REC*	*1*	*13-Jun-2023 18:48*
Surr: Dibromofluoromethane	*97.4*			**0**	*80-119*	*%REC*	*1*	*13-Jun-2023 18:48*
Surr: Toluene-d8	*111*			**0**	*89-112*	*%REC*	*1*	*13-Jun-2023 18:48*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 35AWW26_060623
Collection Date: 06-Jun-2023 11:35

ANALYTICAL REPORT
WorkOrder:HS23060596
Lab ID:HS23060596-08
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C	**Method:SW8260**							Analyst: PC
1,1,1,2-Tetrachloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:42
1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:42
1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 14:42
1,1,2-Trichloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:42
1,1-Dichloroethane	**25**		**0.20**	**0.50**	**1.0**	**ug/L**	1	13-Jun-2023 14:42
1,1-Dichloroethene	**94**		**0.20**	**0.50**	**1.0**	**ug/L**	1	13-Jun-2023 14:42
1,1-Dichloropropene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:42
1,2,3-Trichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 14:42
1,2,3-Trichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 14:42
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 14:42
1,2,4-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:42
1,2-Dibromo-3-chloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:42
1,2-Dibromoethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:42
1,2-Dichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 14:42
1,2-Dichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:42
1,2-Dichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 14:42
1,3,5-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:42
1,3-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 14:42
1,3-Dichloropropane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:42
1,4-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 14:42
2,2-Dichloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:42
2-Butanone	0.50	U	0.50	0.50	2.0	ug/L	1	13-Jun-2023 14:42
2-Chlorotoluene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:42
2-Hexanone	0.50	U	1.0	0.50	2.0	ug/L	1	13-Jun-2023 14:42
4-Chlorotoluene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 14:42
4-Isopropyltoluene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:42
4-Methyl-2-pentanone	0.50	U	0.70	0.50	2.0	ug/L	1	13-Jun-2023 14:42
Acetone	0.50	U	0.40	0.50	2.0	ug/L	1	13-Jun-2023 14:42
Benzene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:42
Bromobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 14:42
Bromochloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:42
Bromodichloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:42
Bromoform	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 14:42
Bromomethane	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 14:42
Carbon disulfide	0.50	U	0.60	0.50	2.0	ug/L	1	13-Jun-2023 14:42
Carbon tetrachloride	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 14:42
Chlorobenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:42
Chloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:42
Chloroform	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:42

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 35AWW26_060623
Collection Date: 06-Jun-2023 11:35

ANALYTICAL REPORT
WorkOrder:HS23060596
Lab ID:HS23060596-08
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C	**Method:SW8260**							Analyst: PC
Chloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:42
cis-1,2-Dichloroethene	**1.9**		**0.20**	**0.50**	**1.0**	**ug/L**	1	13-Jun-2023 14:42
cis-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:42
Dibromochloromethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:42
Dibromomethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:42
Dichlorodifluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:42
Ethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:42
Hexachlorobutadiene	0.50	U	1.0	0.50	1.0	ug/L	1	13-Jun-2023 14:42
Isopropylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:42
m,p-Xylene	1.0	U	0.50	1.0	2.0	ug/L	1	13-Jun-2023 14:42
Methylene chloride	0.50	U	0.40	0.50	2.0	ug/L	1	13-Jun-2023 14:42
n-Butylbenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 14:42
n-Propylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:42
Naphthalene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:42
o-Xylene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:42
sec-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:42
Styrene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:42
tert-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:42
Tetrachloroethene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:42
Toluene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:42
trans-1,2-Dichloroethene	**0.48**	J	**0.20**	**0.50**	**1.0**	**ug/L**	1	13-Jun-2023 14:42
trans-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:42
Trichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:42
Trichlorofluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:42
Vinyl chloride	**7.4**		**0.20**	**0.50**	**1.0**	**ug/L**	1	13-Jun-2023 14:42
Surr: 1,2-Dichloroethane-d4	*102*			**0**	*81-118*	*%REC*	*1*	*13-Jun-2023 14:42*
Surr: 4-Bromofluorobenzene	*94.1*			**0**	*85-114*	*%REC*	*1*	*13-Jun-2023 14:42*
Surr: Dibromofluoromethane	*96.2*			**0**	*80-119*	*%REC*	*1*	*13-Jun-2023 14:42*
Surr: Toluene-d8	*108*			**0**	*89-112*	*%REC*	*1*	*13-Jun-2023 14:42*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 35AWW21_060623
Collection Date: 06-Jun-2023 13:20

ANALYTICAL REPORT
WorkOrder:HS23060596
Lab ID:HS23060596-09
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C		**Method:SW8260**						Analyst: PC
1,1,1,2-Tetrachloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:11
1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:11
1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 19:11
1,1,2-Trichloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:11
1,1-Dichloroethane	**0.58**	J	**0.20**	**0.50**	**1.0**	**ug/L**	1	13-Jun-2023 19:11
1,1-Dichloroethene	**1.1**		**0.20**	**0.50**	**1.0**	**ug/L**	1	13-Jun-2023 19:11
1,1-Dichloropropene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:11
1,2,3-Trichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 19:11
1,2,3-Trichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 19:11
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 19:11
1,2,4-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:11
1,2-Dibromo-3-chloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:11
1,2-Dibromoethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:11
1,2-Dichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 19:11
1,2-Dichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:11
1,2-Dichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 19:11
1,3,5-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:11
1,3-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 19:11
1,3-Dichloropropane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:11
1,4-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 19:11
2,2-Dichloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:11
2-Butanone	0.50	U	0.50	0.50	2.0	ug/L	1	13-Jun-2023 19:11
2-Chlorotoluene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:11
2-Hexanone	0.50	U	1.0	0.50	2.0	ug/L	1	13-Jun-2023 19:11
4-Chlorotoluene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 19:11
4-Isopropyltoluene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:11
4-Methyl-2-pentanone	0.50	U	0.70	0.50	2.0	ug/L	1	13-Jun-2023 19:11
Acetone	0.50	U	0.40	0.50	2.0	ug/L	1	13-Jun-2023 19:11
Benzene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:11
Bromobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 19:11
Bromochloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:11
Bromodichloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:11
Bromoform	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 19:11
Bromomethane	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 19:11
Carbon disulfide	0.50	U	0.60	0.50	2.0	ug/L	1	13-Jun-2023 19:11
Carbon tetrachloride	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 19:11
Chlorobenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:11
Chloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:11
Chloroform	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:11

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 35AWW21_060623
Collection Date: 06-Jun-2023 13:20

ANALYTICAL REPORT
WorkOrder:HS23060596
Lab ID:HS23060596-09
Matrix:Groundwater

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C	**Method:SW8260**							Analyst: PC
Chloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:11
cis-1,2-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:11
cis-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:11
Dibromochloromethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:11
Dibromomethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:11
Dichlorodifluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:11
Ethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:11
Hexachlorobutadiene	0.50	U	1.0	0.50	1.0	ug/L	1	13-Jun-2023 19:11
Isopropylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:11
m,p-Xylene	1.0	U	0.50	1.0	2.0	ug/L	1	13-Jun-2023 19:11
Methylene chloride	0.50	U	0.40	0.50	2.0	ug/L	1	13-Jun-2023 19:11
n-Butylbenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 19:11
n-Propylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:11
Naphthalene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:11
o-Xylene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:11
sec-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:11
Styrene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:11
tert-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:11
Tetrachloroethene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:11
Toluene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:11
trans-1,2-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:11
trans-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:11
Trichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:11
Trichlorofluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 19:11
Vinyl chloride	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 19:11
Surr: 1,2-Dichloroethane-d4	*101*			**0**	*81-118*	*%REC*	*1*	*13-Jun-2023 19:11*
Surr: 4-Bromofluorobenzene	*92.7*			**0**	*85-114*	*%REC*	*1*	*13-Jun-2023 19:11*
Surr: Dibromofluoromethane	*97.7*			**0**	*80-119*	*%REC*	*1*	*13-Jun-2023 19:11*
Surr: Toluene-d8	*109*			**0**	*89-112*	*%REC*	*1*	*13-Jun-2023 19:11*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: Trip Blank
Collection Date: 06-Jun-2023 00:00

ANALYTICAL REPORT
WorkOrder:HS23060596
Lab ID:HS23060596-10
Matrix:Water

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C	**Method:SW8260**							Analyst: PC
1,1,1,2-Tetrachloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:20
1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:20
1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 14:20
1,1,2-Trichloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:20
1,1-Dichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:20
1,1-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:20
1,1-Dichloropropene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:20
1,2,3-Trichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 14:20
1,2,3-Trichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 14:20
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 14:20
1,2,4-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:20
1,2-Dibromo-3-chloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:20
1,2-Dibromoethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:20
1,2-Dichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 14:20
1,2-Dichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:20
1,2-Dichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 14:20
1,3,5-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:20
1,3-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 14:20
1,3-Dichloropropane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:20
1,4-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 14:20
2,2-Dichloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:20
2-Butanone	0.50	U	0.50	0.50	2.0	ug/L	1	13-Jun-2023 14:20
2-Chlorotoluene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:20
2-Hexanone	0.50	U	1.0	0.50	2.0	ug/L	1	13-Jun-2023 14:20
4-Chlorotoluene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 14:20
4-Isopropyltoluene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:20
4-Methyl-2-pentanone	0.50	U	0.70	0.50	2.0	ug/L	1	13-Jun-2023 14:20
Acetone	0.50	U	0.40	0.50	2.0	ug/L	1	13-Jun-2023 14:20
Benzene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:20
Bromobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 14:20
Bromochloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:20
Bromodichloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:20
Bromoform	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 14:20
Bromomethane	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 14:20
Carbon disulfide	0.50	U	0.60	0.50	2.0	ug/L	1	13-Jun-2023 14:20
Carbon tetrachloride	0.50	U	0.50	0.50	1.0	ug/L	1	13-Jun-2023 14:20
Chlorobenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:20
Chloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:20
Chloroform	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:20

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: Trip Blank
Collection Date: 06-Jun-2023 00:00

ANALYTICAL REPORT
WorkOrder:HS23060596
Lab ID:HS23060596-10
Matrix:Water

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C	**Method:SW8260**							Analyst: PC
Chloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:20
cis-1,2-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:20
cis-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:20
Dibromochloromethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:20
Dibromomethane	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:20
Dichlorodifluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:20
Ethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:20
Hexachlorobutadiene	0.50	U	1.0	0.50	1.0	ug/L	1	13-Jun-2023 14:20
Isopropylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:20
m,p-Xylene	1.0	U	0.50	1.0	2.0	ug/L	1	13-Jun-2023 14:20
Methylene chloride	0.50	U	0.40	0.50	2.0	ug/L	1	13-Jun-2023 14:20
n-Butylbenzene	0.50	U	0.40	0.50	1.0	ug/L	1	13-Jun-2023 14:20
n-Propylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:20
Naphthalene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:20
o-Xylene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:20
sec-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:20
Styrene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:20
tert-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:20
Tetrachloroethene	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:20
Toluene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:20
trans-1,2-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:20
trans-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:20
Trichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:20
Trichlorofluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	13-Jun-2023 14:20
Vinyl chloride	0.50	U	0.20	0.50	1.0	ug/L	1	13-Jun-2023 14:20
Surr: 1,2-Dichloroethane-d4	*107*			**0**	*81-118*	*%REC*	*1*	*13-Jun-2023 14:20*
Surr: 4-Bromofluorobenzene	*94.8*			**0**	*85-114*	*%REC*	*1*	*13-Jun-2023 14:20*
Surr: Dibromofluoromethane	*95.8*			**0**	*80-119*	*%REC*	*1*	*13-Jun-2023 14:20*
Surr: Toluene-d8	*112*			**0**	*89-112*	*%REC*	*1*	*13-Jun-2023 14:20*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-23

Weight / Prep Log

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060596

Batch ID: 195358 **Start Date:** 17 Jun 2023 11:00 **End Date:** 17 Jun 2023 11:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23060596-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23060596-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23060596-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23060596-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23060596-05		10 (mL)	10 (mL)	1	120 plastic HNO3

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060596

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 195358 (0)	**Test Name :** METALS BY ICPMS BY SW6020A				**Matrix:** Groundwater	
HS23060596-01	03WW01_060623	06 Jun 2023 07:20		17 Jun 2023 11:00	20 Jun 2023 23:37	1
HS23060596-02	35AWW08_060623	06 Jun 2023 08:00		17 Jun 2023 11:00	20 Jun 2023 23:39	1
HS23060596-03	35AWW01_060623	06 Jun 2023 08:45		17 Jun 2023 11:00	20 Jun 2023 23:43	1
HS23060596-04	35AWW09_060623	06 Jun 2023 09:00		17 Jun 2023 11:00	20 Jun 2023 23:45	1
HS23060596-05	35AWW09_060623_a	06 Jun 2023 09:00		17 Jun 2023 11:00	20 Jun 2023 23:48	1
Batch ID: R437771 (0)	**Test Name :** VOLATILES ORGANICS BY METHOD 8260C				**Matrix:** Water	
HS23060596-10	Trip Blank	06 Jun 2023 00:00			13 Jun 2023 14:20	1
Batch ID: R437771 (0)	**Test Name :** VOLATILES ORGANICS BY METHOD 8260C				**Matrix:** Groundwater	
HS23060596-01	03WW01_060623	06 Jun 2023 07:20			13 Jun 2023 17:19	5
HS23060596-02	35AWW08_060623	06 Jun 2023 08:00			13 Jun 2023 17:41	5
HS23060596-03	35AWW01_060623	06 Jun 2023 08:45			13 Jun 2023 18:04	1
HS23060596-04	35AWW09_060623	06 Jun 2023 09:00			13 Jun 2023 19:33	1
HS23060596-05	35AWW09_060623_a	06 Jun 2023 09:00			13 Jun 2023 19:56	1
HS23060596-06	35AWW13_060623	06 Jun 2023 10:15			13 Jun 2023 18:26	1
HS23060596-07	35AWW10_060623	06 Jun 2023 10:55			13 Jun 2023 18:48	1
HS23060596-08	35AWW26_060623	06 Jun 2023 11:35			13 Jun 2023 14:42	1
HS23060596-09	35AWW21_060623	06 Jun 2023 13:20			13 Jun 2023 19:11	1
Batch ID: R437981 (0)	**Test Name :** VOLATILES ORGANICS BY METHOD 8260C				**Matrix:** Groundwater	
HS23060596-04	35AWW09_060623	06 Jun 2023 09:00			15 Jun 2023 17:39	10
HS23060596-05	35AWW09_060623_a	06 Jun 2023 09:00			15 Jun 2023 18:02	10

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060596

QC BATCH REPORT

Batch ID: 195358 (0) **Instrument: ICPMS06** **Method: METALS BY ICPMS BY SW6020A**

MBLK Sample ID: **MBLK-195358** Units: **mg/L** Analysis Date: **20-Jun-2023 13:53**
Client ID: Run ID: **ICPMS06_439315** SeqNo: **7372996** PrepDate: **17-Jun-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.00125	0.00500								U

LCS Sample ID: **LCS-195358** Units: **mg/L** Analysis Date: **20-Jun-2023 13:55**
Client ID: Run ID: **ICPMS06_439315** SeqNo: **7372997** PrepDate: **17-Jun-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04639	0.00500	0.05	0	92.8	84 - 116				

MS Sample ID: **HS23060391-02MS** Units: **mg/L** Analysis Date: **20-Jun-2023 14:14**
Client ID: Run ID: **ICPMS06_439315** SeqNo: **7373002** PrepDate: **17-Jun-2023** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04817	0.0250	0.05	0.000674	95.0	84 - 116				

MSD Sample ID: **HS23060391-02MSD** Units: **mg/L** Analysis Date: **20-Jun-2023 14:16**
Client ID: Run ID: **ICPMS06_439315** SeqNo: **7373003** PrepDate: **17-Jun-2023** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.0487	0.0250	0.05	0.000674	96.0	84 - 116	0.04817	1.09	20	

PDS Sample ID: **HS23060391-02PDS** Units: **mg/L** Analysis Date: **20-Jun-2023 14:18**
Client ID: Run ID: **ICPMS06_439315** SeqNo: **7373004** PrepDate: **17-Jun-2023** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.5161	0.0250	0.5	0	103	80 - 120				

SD Sample ID: **HS23060391-02SD** Units: **mg/L** Analysis Date: **20-Jun-2023 14:12**
Client ID: Run ID: **ICPMS06_439315** SeqNo: **7373001** PrepDate: **17-Jun-2023** DF: **25**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	0.0312	0.125					0.000674	0	10	U

The following samples were analyzed in this batch: HS23060596-01 HS23060596-02 HS23060596-03 HS23060596-04 HS23060596-05

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060596

QC BATCH REPORT

Batch ID: R437771 (0) **Instrument:** VOA9 **Method:** VOLATILES ORGANICS BY METHOD 8260C

MBLK Sample ID: **VBLKW-230613** Units: **ug/L** Analysis Date: **13-Jun-2023 13:57**
Client ID: Run ID: **VOA9_437771** SeqNo: **7359918** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0.50	1.0								U
1,1,1-Trichloroethane	0.50	1.0								U
1,1,2,2-Tetrachloroethane	0.50	1.0								U
1,1,2-Trichloroethane	0.50	1.0								U
1,1-Dichloroethane	0.50	1.0								U
1,1-Dichloroethene	0.50	1.0								U
1,1-Dichloropropene	0.50	1.0								U
1,2,3-Trichlorobenzene	0.50	1.0								U
1,2,3-Trichloropropane	0.50	1.0								U
1,2,4-Trichlorobenzene	0.50	1.0								U
1,2,4-Trimethylbenzene	0.50	1.0								U
1,2-Dibromo-3-chloropropane	0.50	1.0								U
1,2-Dibromoethane	0.50	1.0								U
1,2-Dichlorobenzene	0.50	1.0								U
1,2-Dichloroethane	0.50	1.0								U
1,2-Dichloropropane	0.50	1.0								U
1,3,5-Trimethylbenzene	0.50	1.0								U
1,3-Dichlorobenzene	0.50	1.0								U
1,3-Dichloropropane	0.50	1.0								U
1,4-Dichlorobenzene	0.50	1.0								U
2,2-Dichloropropane	0.50	1.0								U
2-Butanone	0.50	2.0								U
2-Chlorotoluene	0.50	1.0								U
2-Hexanone	0.50	2.0								U
4-Chlorotoluene	0.50	1.0								U
4-Isopropyltoluene	0.50	1.0								U
4-Methyl-2-pentanone	0.50	2.0								U
Acetone	0.50	2.0								U
Benzene	0.50	1.0								U
Bromobenzene	0.50	1.0								U
Bromochloromethane	0.50	1.0								U
Bromodichloromethane	0.50	1.0								U
Bromoform	0.50	1.0								U
Bromomethane	0.50	1.0								U

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060596

QC BATCH REPORT

Batch ID: R437771 (0) **Instrument:** VOA9 **Method:** VOLATILES ORGANICS BY METHOD 8260C

MBLK Sample ID: **VBLKW-230613** Units: **ug/L** Analysis Date: **13-Jun-2023 13:57**
Client ID: Run ID: **VOA9_437771** SeqNo: **7359918** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Carbon disulfide	0.50	2.0								U
Carbon tetrachloride	0.50	1.0								U
Chlorobenzene	0.50	1.0								U
Chloroethane	0.50	1.0								U
Chloroform	0.50	1.0								U
Chloromethane	0.50	1.0								U
cis-1,2-Dichloroethene	0.50	1.0								U
cis-1,3-Dichloropropene	0.50	1.0								U
Dibromochloromethane	0.50	1.0								U
Dibromomethane	0.50	1.0								U
Dichlorodifluoromethane	0.50	1.0								U
Ethylbenzene	0.50	1.0								U
Hexachlorobutadiene	0.50	1.0								U
Isopropylbenzene	0.50	1.0								U
m,p-Xylene	1.0	2.0								U
Methylene chloride	0.50	2.0								U
Naphthalene	0.50	1.0								U
n-Butylbenzene	0.50	1.0								U
n-Propylbenzene	0.50	1.0								U
o-Xylene	0.50	1.0								U
sec-Butylbenzene	0.50	1.0								U
Styrene	0.50	1.0								U
tert-Butylbenzene	0.50	1.0								U
Tetrachloroethene	0.50	1.0								U
Toluene	0.50	1.0								U
trans-1,2-Dichloroethene	0.50	1.0								U
trans-1,3-Dichloropropene	0.50	1.0								U
Trichloroethene	0.50	1.0								U
Trichlorofluoromethane	0.50	1.0								U
Vinyl chloride	0.50	1.0								U
Surr: 1,2-Dichloroethane-d4	*50.42*	*1.0*	*50*	*0*	*101*	*81 - 118*				
Surr: 4-Bromofluorobenzene	*47.23*	*1.0*	*50*	*0*	*94.5*	*85 - 114*				
Surr: Dibromofluoromethane	*48.21*	*1.0*	*50*	*0*	*96.4*	*80 - 119*				
Surr: Toluene-d8	*55.14*	*1.0*	*50*	*0*	*110*	*89 - 112*				

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060596

QC BATCH REPORT

Batch ID: R437771 (0) **Instrument:** VOA9 **Method:** VOLATILES ORGANICS BY METHOD 8260C

LCS Sample ID: **VLCSW-230613** Units: **ug/L** Analysis Date: **13-Jun-2023 12:33**
Client ID: Run ID: **VOA9_437771** SeqNo: **7359917** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	19.44	1.0	20	0	97.2	78 - 124				
1,1,1-Trichloroethane	18.93	1.0	20	0	94.7	74 - 131				
1,1,2,2-Tetrachloroethane	18.71	1.0	20	0	93.6	71 - 121				
1,1,2-Trichloroethane	19.05	1.0	20	0	95.3	80 - 119				
1,1-Dichloroethane	18.01	1.0	20	0	90.1	77 - 125				
1,1-Dichloroethene	18.19	1.0	20	0	91.0	71 - 131				
1,1-Dichloropropene	19.34	1.0	20	0	96.7	78 - 125				
1,2,3-Trichlorobenzene	17.9	1.0	20	0	89.5	69 - 129				
1,2,3-Trichloropropane	18.63	1.0	20	0	93.1	73 - 122				
1,2,4-Trichlorobenzene	18.14	1.0	20	0	90.7	69 - 130				
1,2,4-Trimethylbenzene	18.83	1.0	20	0	94.1	76 - 124				
1,2-Dibromo-3-chloropropane	18.97	1.0	20	0	94.9	62 - 128				
1,2-Dibromoethane	19.21	1.0	20	0	96.0	77 - 121				
1,2-Dichlorobenzene	18.76	1.0	20	0	93.8	80 - 119				
1,2-Dichloroethane	18.82	1.0	20	0	94.1	73 - 128				
1,2-Dichloropropane	19.18	1.0	20	0	95.9	78 - 122				
1,3,5-Trimethylbenzene	18.94	1.0	20	0	94.7	75 - 124				
1,3-Dichlorobenzene	18.88	1.0	20	0	94.4	80 - 119				
1,3-Dichloropropane	19.52	1.0	20	0	97.6	80 - 119				
1,4-Dichlorobenzene	18.47	1.0	20	0	92.3	79 - 118				
2,2-Dichloropropane	20.71	1.0	20	0	104	60 - 139				
2-Butanone	39.23	2.0	40	0	98.1	56 - 143				
2-Chlorotoluene	19.58	1.0	20	0	97.9	79 - 122				
2-Hexanone	39.9	2.0	40	0	99.7	57 - 139				
4-Chlorotoluene	19.51	1.0	20	0	97.5	78 - 122				
4-Isopropyltoluene	18.84	1.0	20	0	94.2	77 - 127				
4-Methyl-2-pentanone	40.11	2.0	40	0	100	67 - 130				
Acetone	47.28	2.0	40	0	118	39 - 160				
Benzene	19.61	1.0	20	0	98.1	79 - 120				
Bromobenzene	18.87	1.0	20	0	94.3	80 - 120				
Bromochloromethane	18.54	1.0	20	0	92.7	78 - 123				
Bromodichloromethane	19.3	1.0	20	0	96.5	79 - 125				
Bromoform	19.35	1.0	20	0	96.7	66 - 130				
Bromomethane	21.11	1.0	20	0	106	53 - 141				

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060596

QC BATCH REPORT

Batch ID: R437771 (0) **Instrument:** VOA9 **Method:** VOLATILES ORGANICS BY METHOD 8260C

LCS Sample ID: **VLCSW-230613** Units: **ug/L** Analysis Date: **13-Jun-2023 12:33**
Client ID: Run ID: **VOA9_437771** SeqNo: **7359917** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Carbon disulfide	38.67	2.0	40	0	96.7	64 - 133				
Carbon tetrachloride	18.44	1.0	20	0	92.2	72 - 136				
Chlorobenzene	19.4	1.0	20	0	97.0	82 - 118				
Chloroethane	16.83	1.0	20	0	84.1	60 - 138				
Chloroform	19.16	1.0	20	0	95.8	79 - 124				
Chloromethane	17.04	1.0	20	0	85.2	50 - 139				
cis-1,2-Dichloroethene	18.54	1.0	20	0	92.7	78 - 123				
cis-1,3-Dichloropropene	18.64	1.0	20	0	93.2	75 - 124				
Dibromochloromethane	19.98	1.0	20	0	99.9	74 - 126				
Dibromomethane	19.08	1.0	20	0	95.4	79 - 123				
Dichlorodifluoromethane	16.4	1.0	20	0	82.0	32 - 152				
Ethylbenzene	19.46	1.0	20	0	97.3	79 - 121				
Hexachlorobutadiene	18.43	1.0	20	0	92.1	66 - 134				
Isopropylbenzene	19.83	1.0	20	0	99.1	72 - 131				
m,p-Xylene	40.6	2.0	40	0	101	80 - 121				
Methylene chloride	19.78	2.0	20	0	98.9	74 - 124				
Naphthalene	19.13	1.0	20	0	95.7	61 - 128				
n-Butylbenzene	18.39	1.0	20	0	92.0	75 - 128				
n-Propylbenzene	19.02	1.0	20	0	95.1	76 - 126				
o-Xylene	19.94	1.0	20	0	99.7	78 - 122				
sec-Butylbenzene	18.9	1.0	20	0	94.5	77 - 126				
Styrene	20.75	1.0	20	0	104	78 - 123				
tert-Butylbenzene	18.72	1.0	20	0	93.6	78 - 124				
Tetrachloroethene	19.46	1.0	20	0	97.3	74 - 129				
Toluene	19.97	1.0	20	0	99.9	80 - 121				
trans-1,2-Dichloroethene	19.4	1.0	20	0	97.0	75 - 124				
trans-1,3-Dichloropropene	18.11	1.0	20	0	90.5	73 - 127				
Trichloroethene	19.16	1.0	20	0	95.8	79 - 123				
Trichlorofluoromethane	18.22	1.0	20	0	91.1	65 - 141				
Vinyl chloride	17.28	1.0	20	0	86.4	58 - 137				
Surr: 1,2-Dichloroethane-d4	*49.93*	*1.0*	*50*	*0*	*99.9*	*81 - 118*				
Surr: 4-Bromofluorobenzene	*52.6*	*1.0*	*50*	*0*	*105*	*85 - 114*				
Surr: Dibromofluoromethane	*50.74*	*1.0*	*50*	*0*	*101*	*80 - 119*				
Surr: Toluene-d8	*51.79*	*1.0*	*50*	*0*	*104*	*89 - 112*				

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060596

QC BATCH REPORT

Batch ID: R437771 (0) **Instrument:** VOA9 **Method:** VOLATILES ORGANICS BY METHOD 8260C

MS Sample ID: **HS23060596-08MS** Units: **ug/L** Analysis Date: **13-Jun-2023 15:49**
Client ID: **35AWW26_060623** Run ID: **VOA9_437771** SeqNo: **7359923** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	21.75	1.0	20	0	109	78 - 124				
1,1,1-Trichloroethane	20.79	1.0	20	0	104	74 - 131				
1,1,2,2-Tetrachloroethane	20.11	1.0	20	0	101	71 - 121				
1,1,2-Trichloroethane	20.54	1.0	20	0	103	80 - 119				
1,1-Dichloroethane	40.72	1.0	20	24.75	79.8	77 - 125				
1,1-Dichloroethene	114.5	1.0	20	93.63	104	71 - 131				O
1,1-Dichloropropene	22.54	1.0	20	0	113	78 - 125				
1,2,3-Trichlorobenzene	19.4	1.0	20	0	97.0	69 - 129				
1,2,3-Trichloropropane	19.62	1.0	20	0	98.1	73 - 122				
1,2,4-Trichlorobenzene	19.28	1.0	20	0	96.4	69 - 130				
1,2,4-Trimethylbenzene	20.47	1.0	20	0	102	76 - 124				
1,2-Dibromo-3-chloropropane	18.47	1.0	20	0	92.4	62 - 128				
1,2-Dibromoethane	20.36	1.0	20	0	102	77 - 121				
1,2-Dichlorobenzene	20.25	1.0	20	0	101	80 - 119				
1,2-Dichloroethane	20.49	1.0	20	0	102	73 - 128				
1,2-Dichloropropane	20.62	1.0	20	0	103	78 - 122				
1,3,5-Trimethylbenzene	21.28	1.0	20	0	106	75 - 124				
1,3-Dichlorobenzene	20.95	1.0	20	0	105	80 - 119				
1,3-Dichloropropane	20.77	1.0	20	0	104	80 - 119				
1,4-Dichlorobenzene	20.34	1.0	20	0	102	79 - 118				
2,2-Dichloropropane	20.61	1.0	20	0	103	60 - 139				
2-Butanone	33.41	2.0	40	0	83.5	56 - 143				
2-Chlorotoluene	22.1	1.0	20	0	110	79 - 122				
2-Hexanone	40.78	2.0	40	0	102	57 - 139				
4-Chlorotoluene	21.8	1.0	20	0	109	78 - 122				
4-Isopropyltoluene	21.88	1.0	20	0	109	77 - 127				
4-Methyl-2-pentanone	43.52	2.0	40	0	109	67 - 130				
Acetone	30.76	2.0	40	0	76.9	39 - 160				
Benzene	21.45	1.0	20	0	107	79 - 120				
Bromobenzene	20.35	1.0	20	0	102	80 - 120				
Bromochloromethane	17.03	1.0	20	0	85.2	78 - 123				
Bromodichloromethane	20.5	1.0	20	0	103	79 - 125				
Bromoform	20.49	1.0	20	0	102	66 - 130				
Bromomethane	21.45	1.0	20	0	107	53 - 141				

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060596

QC BATCH REPORT

Batch ID: R437771 (0) **Instrument:** VOA9 **Method:** VOLATILES ORGANICS BY METHOD 8260C

MS Sample ID: **HS23060596-08MS** Units: **ug/L** Analysis Date: **13-Jun-2023 15:49**
Client ID: **35AWW26_060623** Run ID: **VOA9_437771** SeqNo: **7359923** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Carbon disulfide	38.41	2.0	40	0	96.0	64 - 133				
Carbon tetrachloride	22.54	1.0	20	0	113	72 - 136				
Chlorobenzene	21.33	1.0	20	0	107	82 - 118				
Chloroethane	18.06	1.0	20	0	90.3	60 - 138				
Chloroform	18.81	1.0	20	0	94.1	79 - 124				
Chloromethane	15.73	1.0	20	0	78.7	50 - 139				
cis-1,2-Dichloroethene	20.05	1.0	20	1.921	90.7	78 - 123				
cis-1,3-Dichloropropene	18.83	1.0	20	0	94.2	75 - 124				
Dibromochloromethane	21.22	1.0	20	0	106	74 - 126				
Dibromomethane	20.28	1.0	20	0	101	79 - 123				
Dichlorodifluoromethane	11.41	1.0	20	0	57.0	32 - 152				
Ethylbenzene	22.67	1.0	20	0	113	79 - 121				
Hexachlorobutadiene	21.19	1.0	20	0	106	66 - 134				
Isopropylbenzene	23.73	1.0	20	0	119	72 - 131				
m,p-Xylene	45.85	2.0	40	0	115	80 - 121				
Methylene chloride	18.86	2.0	20	0	94.3	74 - 124				
Naphthalene	19.82	1.0	20	0	99.1	61 - 128				
n-Butylbenzene	21.77	1.0	20	0	109	75 - 128				
n-Propylbenzene	22.5	1.0	20	0	112	76 - 126				
o-Xylene	22.01	1.0	20	0	110	78 - 122				
sec-Butylbenzene	22.86	1.0	20	0	114	77 - 126				
Styrene	22.08	1.0	20	0	110	78 - 123				
tert-Butylbenzene	23.08	1.0	20	0	115	78 - 124				
Tetrachloroethene	23.73	1.0	20	0	119	74 - 129				
Toluene	22.63	1.0	20	0	113	80 - 121				
trans-1,2-Dichloroethene	19.41	1.0	20	0.4831	94.7	75 - 124				
trans-1,3-Dichloropropene	18.44	1.0	20	0	92.2	73 - 127				
Trichloroethene	23.34	1.0	20	0	117	79 - 123				
Trichlorofluoromethane	20.87	1.0	20	0	104	65 - 141				
Vinyl chloride	24.09	1.0	20	7.378	83.6	58 - 137				
Surr: 1,2-Dichloroethane-d4	*49.58*	*1.0*	*50*	*0*	*99.2*	*81 - 118*				
Surr: 4-Bromofluorobenzene	*49.4*	*1.0*	*50*	*0*	*98.8*	*85 - 114*				
Surr: Dibromofluoromethane	*49.01*	*1.0*	*50*	*0*	*98.0*	*80 - 119*				
Surr: Toluene-d8	*55.38*	*1.0*	*50*	*0*	*111*	*89 - 112*				

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060596

QC BATCH REPORT

Batch ID: R437771 (0) **Instrument:** VOA9 **Method:** VOLATILES ORGANICS BY METHOD 8260C

MSD Sample ID: **HS23060596-08MSD** Units: **ug/L** Analysis Date: **13-Jun-2023 16:12**
Client ID: **35AWW26_060623** Run ID: **VOA9_437771** SeqNo: **7359924** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	20.8	1.0	20	0	104	78 - 124	21.75	4.45	20	
1,1,1-Trichloroethane	20.85	1.0	20	0	104	74 - 131	20.79	0.309	20	
1,1,2,2-Tetrachloroethane	19.35	1.0	20	0	96.7	71 - 121	20.11	3.86	20	
1,1,2-Trichloroethane	19.88	1.0	20	0	99.4	80 - 119	20.54	3.26	20	
1,1-Dichloroethane	45.15	1.0	20	24.75	102	77 - 125	40.72	10.3	20	
1,1-Dichloroethene	122.9	1.0	20	93.63	146	71 - 131	114.5	7.04	20	SO
1,1-Dichloropropene	21.57	1.0	20	0	108	78 - 125	22.54	4.44	20	
1,2,3-Trichlorobenzene	19.38	1.0	20	0	96.9	69 - 129	19.4	0.146	20	
1,2,3-Trichloropropane	19.04	1.0	20	0	95.2	73 - 122	19.62	3.04	20	
1,2,4-Trichlorobenzene	19.28	1.0	20	0	96.4	69 - 130	19.28	0.0254	20	
1,2,4-Trimethylbenzene	20.44	1.0	20	0	102	76 - 124	20.47	0.136	20	
1,2-Dibromo-3-chloropropane	19.13	1.0	20	0	95.6	62 - 128	18.47	3.47	20	
1,2-Dibromoethane	20.01	1.0	20	0	100	77 - 121	20.36	1.74	20	
1,2-Dichlorobenzene	20	1.0	20	0	100.0	80 - 119	20.25	1.24	20	
1,2-Dichloroethane	21.55	1.0	20	0	108	73 - 128	20.49	5.05	20	
1,2-Dichloropropane	21.81	1.0	20	0	109	78 - 122	20.62	5.61	20	
1,3,5-Trimethylbenzene	21.15	1.0	20	0	106	75 - 124	21.28	0.586	20	
1,3-Dichlorobenzene	20.43	1.0	20	0	102	80 - 119	20.95	2.56	20	
1,3-Dichloropropane	20.31	1.0	20	0	102	80 - 119	20.77	2.23	20	
1,4-Dichlorobenzene	19.77	1.0	20	0	98.8	79 - 118	20.34	2.88	20	
2,2-Dichloropropane	21.16	1.0	20	0	106	60 - 139	20.61	2.63	20	
2-Butanone	37.98	2.0	40	0	94.9	56 - 143	33.41	12.8	20	
2-Chlorotoluene	21.59	1.0	20	0	108	79 - 122	22.1	2.32	20	
2-Hexanone	41.2	2.0	40	0	103	57 - 139	40.78	1.02	20	
4-Chlorotoluene	21.07	1.0	20	0	105	78 - 122	21.8	3.39	20	
4-Isopropyltoluene	21.69	1.0	20	0	108	77 - 127	21.88	0.876	20	
4-Methyl-2-pentanone	44.12	2.0	40	0	110	67 - 130	43.52	1.37	20	
Acetone	33.23	2.0	40	0	83.1	39 - 160	30.76	7.73	20	
Benzene	20.01	1.0	20	0	100	79 - 120	21.45	6.95	20	
Bromobenzene	19.85	1.0	20	0	99.3	80 - 120	20.35	2.5	20	
Bromochloromethane	17.98	1.0	20	0	89.9	78 - 123	17.03	5.42	20	
Bromodichloromethane	21.29	1.0	20	0	106	79 - 125	20.5	3.78	20	
Bromoform	20.07	1.0	20	0	100	66 - 130	20.49	2.06	20	
Bromomethane	21.98	1.0	20	0	110	53 - 141	21.45	2.43	20	

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060596

QC BATCH REPORT

Batch ID: R437771 (0) **Instrument:** VOA9 **Method:** VOLATILES ORGANICS BY METHOD 8260C

MSD Sample ID: **HS23060596-08MSD** Units: **ug/L** Analysis Date: **13-Jun-2023 16:12**
Client ID: **35AWW26_060623** Run ID: **VOA9_437771** SeqNo: **7359924** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Carbon disulfide	41.02	2.0	40	0	103	64 - 133	38.41	6.55	20	
Carbon tetrachloride	23.14	1.0	20	0	116	72 - 136	22.54	2.66	20	
Chlorobenzene	20.56	1.0	20	0	103	82 - 118	21.33	3.68	20	
Chloroethane	18.28	1.0	20	0	91.4	60 - 138	18.06	1.21	20	
Chloroform	19.17	1.0	20	0	95.9	79 - 124	18.81	1.91	20	
Chloromethane	17.86	1.0	20	0	89.3	50 - 139	15.73	12.6	20	
cis-1,2-Dichloroethene	22.27	1.0	20	1.921	102	78 - 123	20.05	10.5	20	
cis-1,3-Dichloropropene	19.91	1.0	20	0	99.6	75 - 124	18.83	5.59	20	
Dibromochloromethane	20.78	1.0	20	0	104	74 - 126	21.22	2.06	20	
Dibromomethane	21.19	1.0	20	0	106	79 - 123	20.28	4.4	20	
Dichlorodifluoromethane	12.27	1.0	20	0	61.4	32 - 152	11.41	7.3	20	
Ethylbenzene	21.81	1.0	20	0	109	79 - 121	22.67	3.89	20	
Hexachlorobutadiene	20.67	1.0	20	0	103	66 - 134	21.19	2.51	20	
Isopropylbenzene	23.12	1.0	20	0	116	72 - 131	23.73	2.61	20	
m,p-Xylene	45.17	2.0	40	0	113	80 - 121	45.85	1.51	20	
Methylene chloride	20.26	2.0	20	0	101	74 - 124	18.86	7.14	20	
Naphthalene	21	1.0	20	0	105	61 - 128	19.82	5.8	20	
n-Butylbenzene	21.56	1.0	20	0	108	75 - 128	21.77	0.975	20	
n-Propylbenzene	22.05	1.0	20	0	110	76 - 126	22.5	2	20	
o-Xylene	21.58	1.0	20	0	108	78 - 122	22.01	1.95	20	
sec-Butylbenzene	22.54	1.0	20	0	113	77 - 126	22.86	1.38	20	
Styrene	22.26	1.0	20	0	111	78 - 123	22.08	0.814	20	
tert-Butylbenzene	22.45	1.0	20	0	112	78 - 124	23.08	2.76	20	
Tetrachloroethene	22.53	1.0	20	0	113	74 - 129	23.73	5.21	20	
Toluene	21.77	1.0	20	0	109	80 - 121	22.63	3.88	20	
trans-1,2-Dichloroethene	21.24	1.0	20	0.4831	104	75 - 124	19.41	8.98	20	
trans-1,3-Dichloropropene	19.13	1.0	20	0	95.7	73 - 127	18.44	3.68	20	
Trichloroethene	22.8	1.0	20	0	114	79 - 123	23.34	2.35	20	
Trichlorofluoromethane	22.66	1.0	20	0	113	65 - 141	20.87	8.19	20	
Vinyl chloride	26.72	1.0	20	7.378	96.7	58 - 137	24.09	10.3	20	
Surr: 1,2-Dichloroethane-d4	*54.9*	*1.0*	*50*	*0*	*110*	*81 - 118*	*49.58*	*10.2*	*20*	
Surr: 4-Bromofluorobenzene	*49.97*	*1.0*	*50*	*0*	*99.9*	*85 - 114*	*49.4*	*1.16*	*20*	
Surr: Dibromofluoromethane	*50.37*	*1.0*	*50*	*0*	*101*	*80 - 119*	*49.01*	*2.73*	*20*	
Surr: Toluene-d8	*55.39*	*1.0*	*50*	*0*	*111*	*89 - 112*	*55.38*	*0.0236*	*20*	

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060596

QC BATCH REPORT

Batch ID: R437771 (0)	Instrument: VOA9	Method: VOLATILES ORGANICS BY METHOD 8260C

The following samples were analyzed in this batch:

HS23060596-01	HS23060596-02	HS23060596-03	HS23060596-04
HS23060596-05	HS23060596-06	HS23060596-07	HS23060596-08
HS23060596-09	HS23060596-10		

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060596

QC BATCH REPORT

Batch ID: R437981 (0) **Instrument:** VOA9 **Method:** VOLATILES ORGANICS BY METHOD 8260C

MBLK Sample ID: **VBLKW-230615** Units: **ug/L** Analysis Date: **15-Jun-2023 13:55**
Client ID: Run ID: **VOA9_437981** SeqNo: **7364552** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Tetrachloroethene	0.50	1.0								U
Trichloroethene	0.50	1.0								U
Surr: 1,2-Dichloroethane-d4	*55.93*	*1.0*	*50*	*0*	*112*	*81 - 118*				
Surr: 4-Bromofluorobenzene	*48.9*	*1.0*	*50*	*0*	*97.8*	*85 - 114*				
Surr: Dibromofluoromethane	*50.38*	*1.0*	*50*	*0*	*101*	*80 - 119*				
Surr: Toluene-d8	*54.51*	*1.0*	*50*	*0*	*109*	*89 - 112*				

LCS Sample ID: **VLCSW-230615** Units: **ug/L** Analysis Date: **15-Jun-2023 13:11**
Client ID: Run ID: **VOA9_437981** SeqNo: **7364551** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Tetrachloroethene	19.43	1.0	20	0	97.2	74 - 129				
Trichloroethene	18.88	1.0	20	0	94.4	79 - 123				
Surr: 1,2-Dichloroethane-d4	*56.62*	*1.0*	*50*	*0*	*113*	*81 - 118*				
Surr: 4-Bromofluorobenzene	*55.68*	*1.0*	*50*	*0*	*111*	*85 - 114*				
Surr: Dibromofluoromethane	*53.12*	*1.0*	*50*	*0*	*106*	*80 - 119*				
Surr: Toluene-d8	*51.67*	*1.0*	*50*	*0*	*103*	*89 - 112*				

MS Sample ID: **HS23060723-03MS** Units: **ug/L** Analysis Date: **15-Jun-2023 15:03**
Client ID: Run ID: **VOA9_437981** SeqNo: **7364554** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Tetrachloroethene	23.51	1.0	20	0	118	74 - 129				
Trichloroethene	20.74	1.0	20	0	104	79 - 123				
Surr: 1,2-Dichloroethane-d4	*55.33*	*1.0*	*50*	*0*	*111*	*81 - 118*				
Surr: 4-Bromofluorobenzene	*51.96*	*1.0*	*50*	*0*	*104*	*85 - 114*				
Surr: Dibromofluoromethane	*50.52*	*1.0*	*50*	*0*	*101*	*80 - 119*				
Surr: Toluene-d8	*54.42*	*1.0*	*50*	*0*	*109*	*89 - 112*				

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060596

QC BATCH REPORT

Batch ID: R437981 (0) **Instrument:** VOA9 **Method:** VOLATILES ORGANICS BY METHOD 8260C

MSD Sample ID: **HS23060723-03MSD** Units: **ug/L** Analysis Date: **15-Jun-2023 15:25**
Client ID: Run ID: **VOA9_437981** SeqNo: **7364555** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Tetrachloroethene	22.92	1.0	20	0	115	74 - 129	23.51	2.54	20	
Trichloroethene	20.81	1.0	20	0	104	79 - 123	20.74	0.35	20	
Surr: 1,2-Dichloroethane-d4	*55.2*	*1.0*	*50*	*0*	*110*	*81 - 118*	*55.33*	*0.231*	*20*	
Surr: 4-Bromofluorobenzene	*52.32*	*1.0*	*50*	*0*	*105*	*85 - 114*	*51.96*	*0.683*	*20*	
Surr: Dibromofluoromethane	*50.72*	*1.0*	*50*	*0*	*101*	*80 - 119*	*50.52*	*0.384*	*20*	
Surr: Toluene-d8	*54.79*	*1.0*	*50*	*0*	*110*	*89 - 112*	*54.42*	*0.682*	*20*	

The following samples were analyzed in this batch: HS23060596-04 HS23060596-05

ALS Houston, US Date: 21-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: **HS23060596**

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

ALS Houston, US Date: 21-Jun-23

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-37	30-Jun-2023
Kansas	E-10352; 2022-2023	31-Jul-2023
Louisiana	03087, 2022-2023	30-Jun-2023
Maryland	343, 2022-2023	30-Jun-2023
North Carolina	624-2023	31-Dec-2023
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932022-13	31-Jul-2023

ALS Houston, US Date: 21-Jun-23

Sample Receipt Checklist

Work Order ID: HS23060596 **Date/Time Received:** 07-Jun-2023 09:50

Client Name: Bhate Environmental **Received by:** Malcolm Burleson

Completed By: /S/ Nilesh D. Ranchod (eSignature) 10-Jun-2023 16:17 (Date/Time) **Reviewed by:** (eSignature) (Date/Time)

Matrices: **Water** 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 ☐	2 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
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):	1.2C/1.1C UC/C	IR 31
Cooler(s)/Kit(s):	51093	
Date/Time sample(s) sent to storage:	06/07/2023 18:00	

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

1608 13th Avenue South, Suite 300
Birmingham Alabama 35205

Chain of Custody and Analytical Request

COC Number(1):

LIMS Number: ____

Facility/Base I.D.: LHAAP

Project/Site Name: LHAAP / Site 58

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)	Number of containers	VOC	MEE	TOC	Carbon Dioxide	Anions	Arsenic					Ambient Blank Lot Control Number	Equipment Blank Lot	Trip Blank Lot Control	Cooler ID
03wwo01_060623	06Jun2023	0720	-		N	WG	4	X					X								
35Aww08_060623	06Jun2023	0800	-		N	WG	4	X					X								
35Awwo1_060623	06Jun2023	0845	-		N	WG	4	X					X								
35Awww09_060623	06Jun2023	0900			N	WG	4	X					X								
35Awww09_060623_a	06Jun2023	0900			FD	WG	4	X					X								
35Awww13_060623	06Jun2023	1015	-		N	WG	3	X													
35Awww10_060623	06Jun2023	1055	-		N	WG	3	X													
35Awww26_060623	06Jun2023	1135	-		N	WG	3	X													
35Awww26_060623_MS	06Jun2023	1135	-		MS	WG	3	X													
35Awww26_060623_MSD	06Jun2023	1135	-		SD	WG	3	X													
35Awww21_060623	06Jun2023	1320	-		N	WG	3	X													

Sample Analysis Requested (5) | Quality Assurance Samples (6)

COMMENTS: STANDARD TAT

Bhate Environmental Associates, Inc.
LHAAP-58
HS23060596

Custody Transfers Prior to Receipt By Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.	Scott Beesinger	6/6/23	1330		06072023	0950
2.						1123
3.						1.2mc
						0.0c

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: Dany Wacasey 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

01224897

bhate

Page: _____ of _____

Project/Phase

No: JVPCIBH.0001

1608 13th Avenue South, Suite 300
Birmingham Alabama 35205

COC Number(1):

Chain of Custody and Analytical Request

LIMS Number: _____

Facility/Base I.D.: LHAAP

Project/Site Name: LHAAP / Site 58

Client Name:

Collected by: Scott Beesinger

Sample Analysis Requested [5] | Quality Assurance Samples [6]

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]	Number of containers	VOC	MEE	TOC	Carbon Dioxide	Anions	Arsenic					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
Trip Blank	06Jun2023		-	TB		WG	2	X													
			-																		
			-																		
			-																		
			-																		
			-																		
			-																		
			-																		
			-																		
			-																		

COMMENTS: STANDARD TAT

HS2306596

Bhate Environmental Associates, Inc.
LHAAP-58

Custody Transfers Prior to Receipt by Laboratory

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1. Scott Beesinger	6/6/23	1330	1.	06 JUN 2023	0730
2.			2.		1831
3.			3.		6-12

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped

Method of Shipment: _____

_____ Fed Ex _____ Airbill Number: _____

Analytical Lab: ALS 10450 Stanchill Rd. Suite 210 Houston, TX 77099 (281) 530-5656

ATTN: Dane Wamsley Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

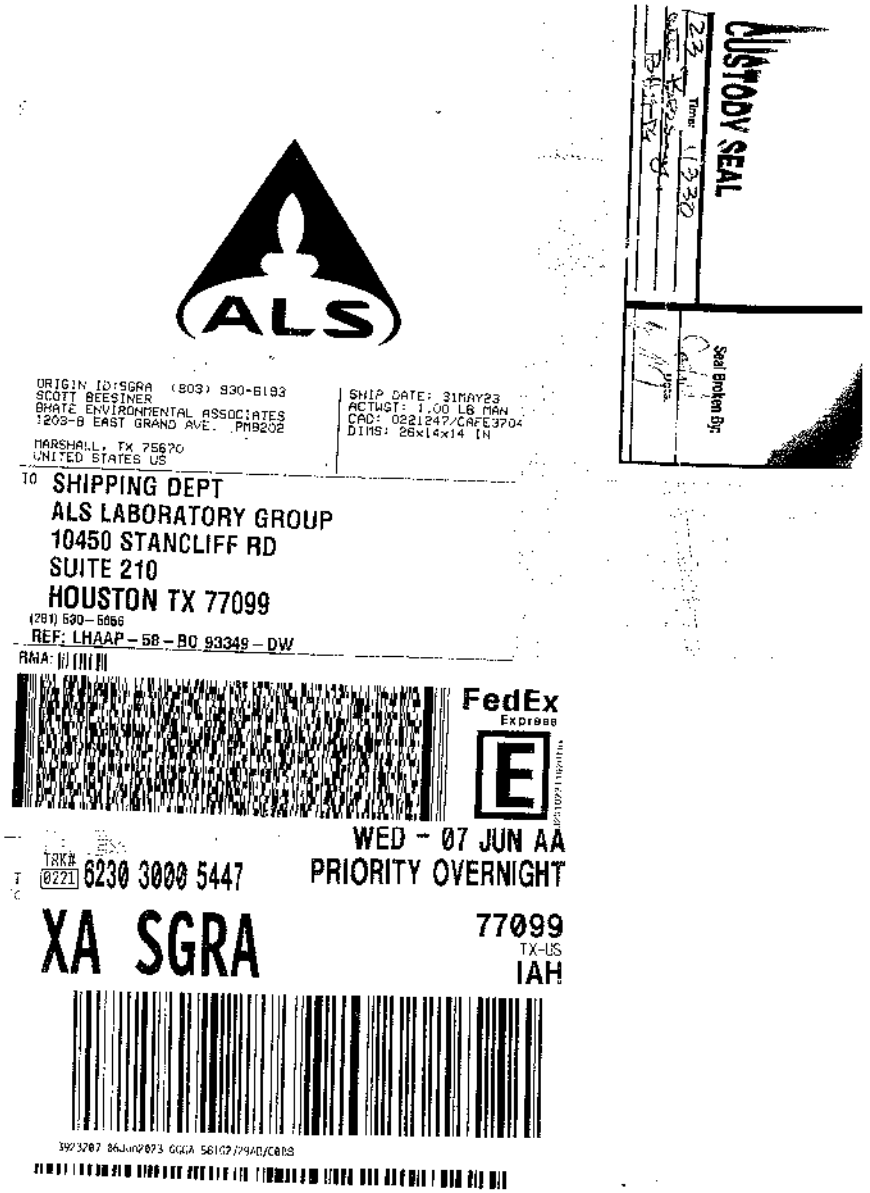
2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

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



CUSTODY SEAL

Seal Broken By:

ORIGIN ID:SGRA (903) 930-8193
SCOTT BEESINER
BHATE ENVIRONMENTAL ASSOCIATES
1203-B EAST GRAND AVE. PMB202
MARSHALL, TX 75670
UNITED STATES US

SHIP DATE: 31MAY23
ACTWGT: 1.00 LB MAN
CAD: 0221247/CAFE3704
DIMS: 26x14x14 IN

TO SHIPPING DEPT
ALS LABORATORY GROUP
10450 STANCLIFF RD
SUITE 210
HOUSTON TX 77099
(281) 530-5656

REF: LHAAP-58-BO 93349-DW

RMA:

FedEx Express

TRK# 0221 6230 3000 5447

WED - 07 JUN AA
PRIORITY OVERNIGHT

XA SGRA

77099
TX-US
IAH

3923207 86Jun2023 GGGA 581G7/79AD/C0B3

HS23060596-MSVOA-SW8260

ALS WO# HS23060596

01224900

right solutions.
right partner.

Form 1

Organic Analysis Data Sheet

Volatiles by EPA 8260

Workorder

HS23060596

Client

Bhate Environmental Associates, Inc.

Project

LHAAP-58

06/16/2023

ALS Environmental–Houston Laboratory

10450 Stancliff Road, Suite 210, Houston, TX 77099

Phone (281) 530-5656 Fax (281) 530-5887

www.alsglobal.com

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

Volatiles by EPA 8260

HS23060596-01	Collected	Received	Matrix	Basis
03WW01_060623	06/06/23 07:20	06/07/23 09:50	Groundwater	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
1,1,1-Trichloroethane	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
1,1,2,2-Tetrachloroethane	ug/L	5.0	U	2.5	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
1,1,2-Trichloroethane	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
1,1-Dichloroethane	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
1,1-Dichloroethene	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
1,1-Dichloropropene	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
1,2,3-Trichlorobenzene	ug/L	5.0	U	2.0	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
1,2,3-Trichloropropane	ug/L	5.0	U	2.5	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
1,2,4-Trichlorobenzene	ug/L	5.0	U	2.5	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
1,2,4-Trimethylbenzene	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
1,2-Dibromo-3-	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
1,2-Dibromoethane	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
1,2-Dichlorobenzene	ug/L	5.0	U	2.5	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
1,2-Dichloroethane	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
1,2-Dichloropropane	ug/L	5.0	U	2.5	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
1,3,5-Trimethylbenzene	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
1,3-Dichlorobenzene	ug/L	5.0	U	2.0	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
1,3-Dichloropropane	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
1,4-Dichlorobenzene	ug/L	5.0	U	2.0	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
2,2-Dichloropropane	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
2-Butanone	ug/L	10	U	2.5	10	10	5	06/13/23 17:19	VOA9_437771_R43777	U061316
2-Chlorotoluene	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
2-Hexanone	ug/L	10	U	5.0	10	10	5	06/13/23 17:19	VOA9_437771_R43777	U061316
4-Chlorotoluene	ug/L	5.0	U	2.0	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
4-Isopropyltoluene	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
4-Methyl-2-pentanone	ug/L	10	U	3.5	10	10	5	06/13/23 17:19	VOA9_437771_R43777	U061316
Acetone	ug/L	10	U	2.0	10	10	5	06/13/23 17:19	VOA9_437771_R43777	U061316
Benzene	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
Bromobenzene	ug/L	5.0	U	2.0	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
Bromochloromethane	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
Bromodichloromethane	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
Bromoform	ug/L	5.0	U	2.0	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

Volatiles by EPA 8260

HS23060596-01	Collected	Received	Matrix	Basis
03WW01_060623	06/06/23 07:20	06/07/23 09:50	Groundwater	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Bromomethane	ug/L	5.0	U	2.0	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
Carbon disulfide	ug/L	10	U	3.0	10	10	5	06/13/23 17:19	VOA9_437771_R43777	U061316
Carbon tetrachloride	ug/L	5.0	U	2.5	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
Chlorobenzene	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
Chloroethane	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
Chloroform	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
Chloromethane	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
cis-1,2-Dichloroethene	ug/L	6.1		1.0	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
cis-1,3-Dichloropropene	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
Dibromochloromethane	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
Dibromomethane	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
Dichlorodifluoromethane	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
Ethylbenzene	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
Hexachlorobutadiene	ug/L	5.0	U	5.0	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
Isopropylbenzene	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
m,p-Xylene	ug/L	10	U	2.5	10	10	5	06/13/23 17:19	VOA9_437771_R43777	U061316
Methylene chloride	ug/L	10	U	2.0	10	10	5	06/13/23 17:19	VOA9_437771_R43777	U061316
Naphthalene	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
n-Butylbenzene	ug/L	5.0	U	2.0	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
n-Propylbenzene	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
o-Xylene	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
sec-Butylbenzene	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
Styrene	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
tert-Butylbenzene	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
Tetrachloroethene	ug/L	4.8	J	1.5	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
Toluene	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
trans-1,2-Dichloroethene	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
trans-1,3-Dichloropropene	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
Trichloroethene	ug/L	10		1.0	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
Trichlorofluoromethane	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316
Vinyl chloride	ug/L	3.7	J	1.0	5.0	5.0	5	06/13/23 17:19	VOA9_437771_R43777	U061316

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

Volatiles by EPA 8260

HS23060596-02	Collected	Received	Matrix	Basis
35AWW08_060623	06/06/23 08:00	06/07/23 09:50	Groundwater	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
1,1,1-Trichloroethane	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
1,1,2,2-Tetrachloroethane	ug/L	5.0	U	2.5	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
1,1,2-Trichloroethane	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
1,1-Dichloroethane	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
1,1-Dichloroethene	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
1,1-Dichloropropene	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
1,2,3-Trichlorobenzene	ug/L	5.0	U	2.0	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
1,2,3-Trichloropropane	ug/L	5.0	U	2.5	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
1,2,4-Trichlorobenzene	ug/L	5.0	U	2.5	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
1,2,4-Trimethylbenzene	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
1,2-Dibromo-3-	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
1,2-Dibromoethane	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
1,2-Dichlorobenzene	ug/L	5.0	U	2.5	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
1,2-Dichloroethane	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
1,2-Dichloropropane	ug/L	5.0	U	2.5	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
1,3,5-Trimethylbenzene	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
1,3-Dichlorobenzene	ug/L	5.0	U	2.0	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
1,3-Dichloropropane	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
1,4-Dichlorobenzene	ug/L	5.0	U	2.0	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
2,2-Dichloropropane	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
2-Butanone	ug/L	10	U	2.5	10	10	5	06/13/23 17:41	VOA9_437771_R43777	U061317
2-Chlorotoluene	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
2-Hexanone	ug/L	10	U	5.0	10	10	5	06/13/23 17:41	VOA9_437771_R43777	U061317
4-Chlorotoluene	ug/L	5.0	U	2.0	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
4-Isopropyltoluene	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
4-Methyl-2-pentanone	ug/L	10	U	3.5	10	10	5	06/13/23 17:41	VOA9_437771_R43777	U061317
Acetone	ug/L	10	U	2.0	10	10	5	06/13/23 17:41	VOA9_437771_R43777	U061317
Benzene	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
Bromobenzene	ug/L	5.0	U	2.0	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
Bromochloromethane	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
Bromodichloromethane	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
Bromoform	ug/L	5.0	U	2.0	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

Volatiles by EPA 8260

HS23060596-02	Collected	Received	Matrix	Basis
35AWW08_060623	06/06/23 08:00	06/07/23 09:50	Groundwater	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Bromomethane	ug/L	5.0	U	2.0	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
Carbon disulfide	ug/L	10	U	3.0	10	10	5	06/13/23 17:41	VOA9_437771_R43777	U061317
Carbon tetrachloride	ug/L	5.0	U	2.5	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
Chlorobenzene	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
Chloroethane	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
Chloroform	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
Chloromethane	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
cis-1,2-Dichloroethene	ug/L	5.2		1.0	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
cis-1,3-Dichloropropene	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
Dibromochloromethane	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
Dibromomethane	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
Dichlorodifluoromethane	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
Ethylbenzene	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
Hexachlorobutadiene	ug/L	5.0	U	5.0	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
Isopropylbenzene	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
m,p-Xylene	ug/L	10	U	2.5	10	10	5	06/13/23 17:41	VOA9_437771_R43777	U061317
Methylene chloride	ug/L	10	U	2.0	10	10	5	06/13/23 17:41	VOA9_437771_R43777	U061317
Naphthalene	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
n-Butylbenzene	ug/L	5.0	U	2.0	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
n-Propylbenzene	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
o-Xylene	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
sec-Butylbenzene	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
Styrene	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
tert-Butylbenzene	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
Tetrachloroethene	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
Toluene	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
trans-1,2-Dichloroethene	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
trans-1,3-Dichloropropene	ug/L	5.0	U	1.0	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
Trichloroethene	ug/L	5.2		1.0	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
Trichlorofluoromethane	ug/L	5.0	U	1.5	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317
Vinyl chloride	ug/L	2.6	J	1.0	5.0	5.0	5	06/13/23 17:41	VOA9_437771_R43777	U061317

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

Volatiles by EPA 8260

HS23060596-03	Collected	Received	Matrix	Basis
35AWW01_060623	06/06/23 08:45	06/07/23 09:50	Groundwater	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
1,1,1-Trichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
1,1,2,2-Tetrachloroethane	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
1,1,2-Trichloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
1,1-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
1,1-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
1,1-Dichloropropene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
1,2,3-Trichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
1,2,3-Trichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
1,2,4-Trichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
1,2,4-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
1,2-Dibromo-3-	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
1,2-Dibromoethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
1,2-Dichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
1,2-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
1,2-Dichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
1,3,5-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
1,3-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
1,3-Dichloropropane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
1,4-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
2,2-Dichloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
2-Butanone	ug/L	2.0	U	0.50	2.0	2.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
2-Chlorotoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
2-Hexanone	ug/L	2.0	U	1.0	2.0	2.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
4-Chlorotoluene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
4-Isopropyltoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
4-Methyl-2-pentanone	ug/L	2.0	U	0.70	2.0	2.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
Acetone	ug/L	2.0	U	0.40	2.0	2.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
Benzene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
Bromobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
Bromochloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
Bromodichloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
Bromoform	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

Volatiles by EPA 8260

HS23060596-03	Collected	Received	Matrix	Basis
35AWW01_060623	06/06/23 08:45	06/07/23 09:50	Groundwater	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Bromomethane	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
Carbon disulfide	ug/L	2.0	U	0.60	2.0	2.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
Carbon tetrachloride	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
Chlorobenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
Chloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
Chloroform	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
Chloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
cis-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
cis-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
Dibromochloromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
Dibromomethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
Dichlorodifluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
Ethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
Hexachlorobutadiene	ug/L	1.0	U	1.0	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
Isopropylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
m,p-Xylene	ug/L	2.0	U	0.50	2.0	2.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
Methylene chloride	ug/L	2.0	U	0.40	2.0	2.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
Naphthalene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
n-Butylbenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
n-Propylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
o-Xylene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
sec-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
Styrene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
tert-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
Tetrachloroethene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
Toluene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
trans-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
trans-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
Trichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
Trichlorofluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318
Vinyl chloride	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:04	VOA9_437771_R43777	U061318

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

Volatiles by EPA 8260

HS23060596-04	Collected	Received	Matrix	Basis
35AWW09_060623	06/06/23 09:00	06/07/23 09:50	Groundwater	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
1,1,1-Trichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
1,1,2,2-Tetrachloroethane	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
1,1,2-Trichloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
1,1-Dichloroethane	ug/L	0.75	J	0.20	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
1,1-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
1,1-Dichloropropene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
1,2,3-Trichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
1,2,3-Trichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
1,2,4-Trichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
1,2,4-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
1,2-Dibromo-3-	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
1,2-Dibromoethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
1,2-Dichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
1,2-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
1,2-Dichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
1,3,5-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
1,3-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
1,3-Dichloropropane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
1,4-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
2,2-Dichloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
2-Butanone	ug/L	2.0	U	0.50	2.0	2.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
2-Chlorotoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
2-Hexanone	ug/L	2.0	U	1.0	2.0	2.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
4-Chlorotoluene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
4-Isopropyltoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
4-Methyl-2-pentanone	ug/L	2.0	U	0.70	2.0	2.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
Acetone	ug/L	2.0	U	0.40	2.0	2.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
Benzene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
Bromobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
Bromochloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
Bromodichloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
Bromoform	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

Volatiles by EPA 8260

HS23060596-04	Collected	Received	Matrix	Basis
35AWW09_060623	06/06/23 09:00	06/07/23 09:50	Groundwater	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Bromomethane	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
Carbon disulfide	ug/L	2.0	U	0.60	2.0	2.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
Carbon tetrachloride	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
Chlorobenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
Chloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
Chloroform	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
Chloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
cis-1,2-Dichloroethene	ug/L	1.3		0.20	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
cis-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
Dibromochloromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
Dibromomethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
Dichlorodifluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
Ethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
Hexachlorobutadiene	ug/L	1.0	U	1.0	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
Isopropylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
m,p-Xylene	ug/L	2.0	U	0.50	2.0	2.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
Methylene chloride	ug/L	2.0	U	0.40	2.0	2.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
Naphthalene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
n-Butylbenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
n-Propylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
o-Xylene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
sec-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
Styrene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
tert-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
Tetrachloroethene	ug/L	450		3.0	10	10	10	06/15/23 17:39	VOA9_437981_R43798	U061517
Toluene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
trans-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
trans-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
Trichloroethene	ug/L	180		2.0	10	10	10	06/15/23 17:39	VOA9_437981_R43798	U061517
Trichlorofluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322
Vinyl chloride	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:33	VOA9_437771_R43777	U061322

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

Volatiles by EPA 8260

HS23060596-05	Collected	Received	Matrix	Basis
35AWW09_060623_a	06/06/23 09:00	06/07/23 09:50	Groundwater	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
1,1,1-Trichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
1,1,2,2-Tetrachloroethane	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
1,1,2-Trichloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
1,1-Dichloroethane	ug/L	0.97	J	0.20	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
1,1-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
1,1-Dichloropropene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
1,2,3-Trichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
1,2,3-Trichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
1,2,4-Trichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
1,2,4-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
1,2-Dibromo-3-	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
1,2-Dibromoethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
1,2-Dichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
1,2-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
1,2-Dichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
1,3,5-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
1,3-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
1,3-Dichloropropane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
1,4-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
2,2-Dichloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
2-Butanone	ug/L	2.0	U	0.50	2.0	2.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
2-Chlorotoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
2-Hexanone	ug/L	2.0	U	1.0	2.0	2.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
4-Chlorotoluene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
4-Isopropyltoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
4-Methyl-2-pentanone	ug/L	2.0	U	0.70	2.0	2.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
Acetone	ug/L	2.0	U	0.40	2.0	2.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
Benzene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
Bromobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
Bromochloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
Bromodichloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
Bromoform	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

Volatiles by EPA 8260

HS23060596-05	Collected	Received	Matrix	Basis
35AWW09_060623_a	06/06/23 09:00	06/07/23 09:50	Groundwater	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Bromomethane	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
Carbon disulfide	ug/L	2.0	U	0.60	2.0	2.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
Carbon tetrachloride	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
Chlorobenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
Chloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
Chloroform	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
Chloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
cis-1,2-Dichloroethene	ug/L	1.6		0.20	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
cis-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
Dibromochloromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
Dibromomethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
Dichlorodifluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
Ethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
Hexachlorobutadiene	ug/L	1.0	U	1.0	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
Isopropylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
m,p-Xylene	ug/L	2.0	U	0.50	2.0	2.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
Methylene chloride	ug/L	2.0	U	0.40	2.0	2.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
Naphthalene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
n-Butylbenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
n-Propylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
o-Xylene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
sec-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
Styrene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
tert-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
Tetrachloroethene	ug/L	460		3.0	10	10	10	06/15/23 18:02	VOA9_437981_R43798	U061518
Toluene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
trans-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
trans-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
Trichloroethene	ug/L	180		2.0	10	10	10	06/15/23 18:02	VOA9_437981_R43798	U061518
Trichlorofluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323
Vinyl chloride	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:56	VOA9_437771_R43777	U061323

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

Volatiles by EPA 8260

HS23060596-06	Collected	Received	Matrix	Basis
35AWW13_060623	06/06/23 10:15	06/07/23 09:50	Groundwater	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
1,1,1-Trichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
1,1,2,2-Tetrachloroethane	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
1,1,2-Trichloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
1,1-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
1,1-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
1,1-Dichloropropene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
1,2,3-Trichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
1,2,3-Trichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
1,2,4-Trichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
1,2,4-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
1,2-Dibromo-3-	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
1,2-Dibromoethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
1,2-Dichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
1,2-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
1,2-Dichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
1,3,5-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
1,3-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
1,3-Dichloropropane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
1,4-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
2,2-Dichloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
2-Butanone	ug/L	2.0	U	0.50	2.0	2.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
2-Chlorotoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
2-Hexanone	ug/L	2.0	U	1.0	2.0	2.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
4-Chlorotoluene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
4-Isopropyltoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
4-Methyl-2-pentanone	ug/L	2.0	U	0.70	2.0	2.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
Acetone	ug/L	2.0	U	0.40	2.0	2.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
Benzene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
Bromobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
Bromochloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
Bromodichloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
Bromoform	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

Volatiles by EPA 8260

HS23060596-06	Collected	Received	Matrix	Basis
35AWW13_060623	06/06/23 10:15	06/07/23 09:50	Groundwater	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Bromomethane	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
Carbon disulfide	ug/L	2.0	U	0.60	2.0	2.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
Carbon tetrachloride	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
Chlorobenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
Chloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
Chloroform	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
Chloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
cis-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
cis-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
Dibromochloromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
Dibromomethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
Dichlorodifluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
Ethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
Hexachlorobutadiene	ug/L	1.0	U	1.0	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
Isopropylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
m,p-Xylene	ug/L	2.0	U	0.50	2.0	2.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
Methylene chloride	ug/L	2.0	U	0.40	2.0	2.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
Naphthalene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
n-Butylbenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
n-Propylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
o-Xylene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
sec-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
Styrene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
tert-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
Tetrachloroethene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
Toluene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
trans-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
trans-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
Trichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
Trichlorofluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319
Vinyl chloride	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:26	VOA9_437771_R43777	U061319

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

Volatiles by EPA 8260

HS23060596-07	Collected	Received	Matrix	Basis
35AWW10_060623	06/06/23 10:55	06/07/23 09:50	Groundwater	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
1,1,1-Trichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
1,1,2,2-Tetrachloroethane	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
1,1,2-Trichloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
1,1-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
1,1-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
1,1-Dichloropropene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
1,2,3-Trichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
1,2,3-Trichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
1,2,4-Trichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
1,2,4-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
1,2-Dibromo-3-	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
1,2-Dibromoethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
1,2-Dichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
1,2-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
1,2-Dichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
1,3,5-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
1,3-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
1,3-Dichloropropane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
1,4-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
2,2-Dichloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
2-Butanone	ug/L	2.0	U	0.50	2.0	2.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
2-Chlorotoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
2-Hexanone	ug/L	2.0	U	1.0	2.0	2.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
4-Chlorotoluene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
4-Isopropyltoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
4-Methyl-2-pentanone	ug/L	2.0	U	0.70	2.0	2.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
Acetone	ug/L	2.0	U	0.40	2.0	2.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
Benzene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
Bromobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
Bromochloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
Bromodichloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
Bromoform	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

Volatiles by EPA 8260

HS23060596-07	Collected	Received	Matrix	Basis
35AWW10_060623	06/06/23 10:55	06/07/23 09:50	Groundwater	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Bromomethane	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
Carbon disulfide	ug/L	2.0	U	0.60	2.0	2.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
Carbon tetrachloride	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
Chlorobenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
Chloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
Chloroform	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
Chloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
cis-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
cis-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
Dibromochloromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
Dibromomethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
Dichlorodifluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
Ethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
Hexachlorobutadiene	ug/L	1.0	U	1.0	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
Isopropylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
m,p-Xylene	ug/L	2.0	U	0.50	2.0	2.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
Methylene chloride	ug/L	2.0	U	0.40	2.0	2.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
Naphthalene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
n-Butylbenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
n-Propylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
o-Xylene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
sec-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
Styrene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
tert-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
Tetrachloroethene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
Toluene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
trans-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
trans-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
Trichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
Trichlorofluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320
Vinyl chloride	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 18:48	VOA9_437771_R43777	U061320

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

Volatiles by EPA 8260

HS23060596-08	Collected	Received	Matrix	Basis
35AWW26_060623	06/06/23 11:35	06/07/23 09:50	Groundwater	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
1,1,1-Trichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
1,1,2,2-Tetrachloroethane	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
1,1,2-Trichloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
1,1-Dichloroethane	ug/L	25		0.20	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
1,1-Dichloroethene	ug/L	94		0.20	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
1,1-Dichloropropene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
1,2,3-Trichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
1,2,3-Trichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
1,2,4-Trichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
1,2,4-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
1,2-Dibromo-3-	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
1,2-Dibromoethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
1,2-Dichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
1,2-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
1,2-Dichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
1,3,5-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
1,3-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
1,3-Dichloropropane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
1,4-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
2,2-Dichloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
2-Butanone	ug/L	2.0	U	0.50	2.0	2.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
2-Chlorotoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
2-Hexanone	ug/L	2.0	U	1.0	2.0	2.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
4-Chlorotoluene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
4-Isopropyltoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
4-Methyl-2-pentanone	ug/L	2.0	U	0.70	2.0	2.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
Acetone	ug/L	2.0	U	0.40	2.0	2.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
Benzene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
Bromobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
Bromochloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
Bromodichloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
Bromoform	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

Volatiles by EPA 8260

HS23060596-08	Collected	Received	Matrix	Basis
35AWW26_060623	06/06/23 11:35	06/07/23 09:50	Groundwater	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Bromomethane	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
Carbon disulfide	ug/L	2.0	U	0.60	2.0	2.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
Carbon tetrachloride	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
Chlorobenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
Chloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
Chloroform	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
Chloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
cis-1,2-Dichloroethene	ug/L	1.9		0.20	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
cis-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
Dibromochloromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
Dibromomethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
Dichlorodifluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
Ethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
Hexachlorobutadiene	ug/L	1.0	U	1.0	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
Isopropylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
m,p-Xylene	ug/L	2.0	U	0.50	2.0	2.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
Methylene chloride	ug/L	2.0	U	0.40	2.0	2.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
Naphthalene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
n-Butylbenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
n-Propylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
o-Xylene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
sec-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
Styrene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
tert-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
Tetrachloroethene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
Toluene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
trans-1,2-Dichloroethene	ug/L	0.48	J	0.20	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
trans-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
Trichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
Trichlorofluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309
Vinyl chloride	ug/L	7.4		0.20	1.0	1.0	1	06/13/23 14:42	VOA9_437771_R43777	U061309

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

Volatiles by EPA 8260

HS23060596-09	Collected	Received	Matrix	Basis
35AWW21_060623	06/06/23 13:20	06/07/23 09:50	Groundwater	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
1,1,1-Trichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
1,1,2,2-Tetrachloroethane	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
1,1,2-Trichloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
1,1-Dichloroethane	ug/L	0.58	J	0.20	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
1,1-Dichloroethene	ug/L	1.1		0.20	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
1,1-Dichloropropene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
1,2,3-Trichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
1,2,3-Trichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
1,2,4-Trichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
1,2,4-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
1,2-Dibromo-3-	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
1,2-Dibromoethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
1,2-Dichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
1,2-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
1,2-Dichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
1,3,5-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
1,3-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
1,3-Dichloropropane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
1,4-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
2,2-Dichloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
2-Butanone	ug/L	2.0	U	0.50	2.0	2.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
2-Chlorotoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
2-Hexanone	ug/L	2.0	U	1.0	2.0	2.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
4-Chlorotoluene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
4-Isopropyltoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
4-Methyl-2-pentanone	ug/L	2.0	U	0.70	2.0	2.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
Acetone	ug/L	2.0	U	0.40	2.0	2.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
Benzene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
Bromobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
Bromochloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
Bromodichloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
Bromoform	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

Volatiles by EPA 8260

HS23060596-09	Collected	Received	Matrix	Basis
35AWW21_060623	06/06/23 13:20	06/07/23 09:50	Groundwater	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Bromomethane	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
Carbon disulfide	ug/L	2.0	U	0.60	2.0	2.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
Carbon tetrachloride	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
Chlorobenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
Chloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
Chloroform	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
Chloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
cis-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
cis-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
Dibromochloromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
Dibromomethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
Dichlorodifluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
Ethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
Hexachlorobutadiene	ug/L	1.0	U	1.0	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
Isopropylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
m,p-Xylene	ug/L	2.0	U	0.50	2.0	2.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
Methylene chloride	ug/L	2.0	U	0.40	2.0	2.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
Naphthalene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
n-Butylbenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
n-Propylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
o-Xylene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
sec-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
Styrene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
tert-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
Tetrachloroethene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
Toluene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
trans-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
trans-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
Trichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
Trichlorofluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321
Vinyl chloride	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 19:11	VOA9_437771_R43777	U061321

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

Volatiles by EPA 8260

HS23060596-10	Collected	Received	Matrix	Basis
Trip Blank	06/06/23 00:00	06/07/23 09:50	Water	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
1,1,1-Trichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
1,1,2,2-Tetrachloroethane	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
1,1,2-Trichloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
1,1-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
1,1-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
1,1-Dichloropropene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
1,2,3-Trichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
1,2,3-Trichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
1,2,4-Trichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
1,2,4-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
1,2-Dibromo-3-	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
1,2-Dibromoethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
1,2-Dichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
1,2-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
1,2-Dichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
1,3,5-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
1,3-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
1,3-Dichloropropane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
1,4-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
2,2-Dichloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
2-Butanone	ug/L	2.0	U	0.50	2.0	2.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
2-Chlorotoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
2-Hexanone	ug/L	2.0	U	1.0	2.0	2.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
4-Chlorotoluene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
4-Isopropyltoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
4-Methyl-2-pentanone	ug/L	2.0	U	0.70	2.0	2.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
Acetone	ug/L	2.0	U	0.40	2.0	2.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
Benzene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
Bromobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
Bromochloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
Bromodichloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
Bromoform	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

Volatiles by EPA 8260

HS23060596-10

Trip Blank	Collected	Received	Matrix	Basis
	06/06/23 00:00	06/07/23 09:50	Water	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Bromomethane	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
Carbon disulfide	ug/L	2.0	U	0.60	2.0	2.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
Carbon tetrachloride	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
Chlorobenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
Chloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
Chloroform	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
Chloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
cis-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
cis-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
Dibromochloromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
Dibromomethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
Dichlorodifluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
Ethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
Hexachlorobutadiene	ug/L	1.0	U	1.0	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
Isopropylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
m,p-Xylene	ug/L	2.0	U	0.50	2.0	2.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
Methylene chloride	ug/L	2.0	U	0.40	2.0	2.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
Naphthalene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
n-Butylbenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
n-Propylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
o-Xylene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
sec-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
Styrene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
tert-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
Tetrachloroethene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
Toluene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
trans-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
trans-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
Trichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
Trichlorofluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308
Vinyl chloride	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 14:20	VOA9_437771_R43777	U061308

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

Volatiles by EPA 8260

VBLKW-230613	Collected	Received	Matrix	Basis
VBLKW-230613	NA	NA	Aqueous	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
1,1,1-Trichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
1,1,2,2-Tetrachloroethane	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
1,1,2-Trichloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
1,1-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
1,1-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
1,1-Dichloropropene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
1,2,3-Trichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
1,2,3-Trichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
1,2,4-Trichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
1,2,4-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
1,2-Dibromo-3-	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
1,2-Dibromoethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
1,2-Dichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
1,2-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
1,2-Dichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
1,3,5-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
1,3-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
1,3-Dichloropropane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
1,4-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
2,2-Dichloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
2-Butanone	ug/L	2.0	U	0.50	2.0	2.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
2-Chlorotoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
2-Hexanone	ug/L	2.0	U	1.0	2.0	2.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
4-Chlorotoluene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
4-Isopropyltoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
4-Methyl-2-pentanone	ug/L	2.0	U	0.70	2.0	2.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
Acetone	ug/L	2.0	U	0.40	2.0	2.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
Benzene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
Bromobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
Bromochloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
Bromodichloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
Bromoform	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

Volatiles by EPA 8260

VBLKW-230613	Collected	Received	Matrix	Basis
VBLKW-230613	NA	NA	Aqueous	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Bromomethane	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
Carbon disulfide	ug/L	2.0	U	0.60	2.0	2.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
Carbon tetrachloride	ug/L	1.0	U	0.50	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
Chlorobenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
Chloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
Chloroform	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
Chloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
cis-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
cis-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
Dibromochloromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
Dibromomethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
Dichlorodifluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
Ethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
Hexachlorobutadiene	ug/L	1.0	U	1.0	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
Isopropylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
m,p-Xylene	ug/L	2.0	U	0.50	2.0	2.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
Methylene chloride	ug/L	2.0	U	0.40	2.0	2.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
Naphthalene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
n-Butylbenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
n-Propylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
o-Xylene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
sec-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
Styrene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
tert-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
Tetrachloroethene	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
Toluene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
trans-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
trans-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
Trichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
Trichlorofluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307
Vinyl chloride	ug/L	1.0	U	0.20	1.0	1.0	1	06/13/23 13:57	VOA9_437771_R43777	U061307

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

Volatiles by EPA 8260

VBLKW-230615	Collected	Received	Matrix	Basis
VBLKW-230615	NA	NA	Aqueous	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Tetrachloroethene	ug/L	1.0	U	0.30	1.0	1.0	1	06/15/23 13:55	VOA9_437981_R43798	U061507
Trichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/15/23 13:55	VOA9_437981_R43798	U061507

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Form 2

System Monitoring Compound Recovery

Volatiles by EPA 8260

Workorder

HS23060596

Client

Bhate Environmental Associates, Inc.

Project

LHAAP-58

06/16/2023

ALS Environmental–Houston Laboratory
10450 Stancliff Road, Suite 210, Houston, TX 77099
Phone (281) 530-5656 Fax (281) 530-5887
www.alsglobal.com

Form 2 - System Monitoring Compound Recovery

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

RunID
VOA9_437771_R437771

Volatiles by EPA 8260

CCV Analyzed 06/13/23 Conc Units µg/L Dilution 1

Surrogate	Result Conc	Spike Conc	%Recovery	%Recovery Limits	Q
1,2-Dichloroethane-d4	47.62	50	95.2	80-120	
4-Bromofluorobenzene	52.16	50	104	80-120	
Dibromofluoromethane	49.32	50	98.6	80-120	
Toluene-d8	51.51	50	103	80-120	

VLCSW-230613 Analyzed 06/13/23 Conc Units µg/L Dilution 1

Surrogate	Result Conc	Spike Conc	%Recovery	%Recovery Limits	Q
1,2-Dichloroethane-d4	49.93	50	99.9	81-118	
4-Bromofluorobenzene	52.6	50	105	85-114	
Dibromofluoromethane	50.74	50	101	80-119	
Toluene-d8	51.79	50	104	89-112	

VBLKW-230613 Analyzed 06/13/23 Conc Units µg/L Dilution 1

Surrogate	Result Conc	Spike Conc	%Recovery	%Recovery Limits	Q
1,2-Dichloroethane-d4	50.42	50	101	81-118	
4-Bromofluorobenzene	47.23	50	94.5	85-114	
Dibromofluoromethane	48.21	50	96.4	80-119	
Toluene-d8	55.14	50	110	89-112	

HS23060596-10 Analyzed 06/13/23 Conc Units µg/L Dilution 1

Surrogate	Result Conc	Spike Conc	%Recovery	%Recovery Limits	Q
1,2-Dichloroethane-d4	54	50	107	81-118	
4-Bromofluorobenzene	47	50	94.8	85-114	
Dibromofluoromethane	48	50	95.8	80-119	
Toluene-d8	56	50	112	89-112	

Q - Surrogate %Recovery Flag * - %Recovery / RPD Outside Limits

Form 2 - System Monitoring Compound Recovery

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

RunID
VOA9_437771_R437771

Volatiles by EPA 8260

HS23060596-08	Analyzed 06/13/23	Conc Units µg/L	Dilution 1		
Surrogate	Result Conc	Spike Conc	%Recovery	%Recovery Limits	Q
1,2-Dichloroethane-d4	51	50	102	81-118	
4-Bromofluorobenzene	47	50	94.1	85-114	
Dibromofluoromethane	48	50	96.2	80-119	
Toluene-d8	54	50	108	89-112	

HS23060596-08MS	Analyzed 06/13/23	Conc Units µg/L	Dilution 1		
Surrogate	Result Conc	Spike Conc	%Recovery	%Recovery Limits	Q
1,2-Dichloroethane-d4	49.58	50	99.2	81-118	
4-Bromofluorobenzene	49.4	50	98.8	85-114	
Dibromofluoromethane	49.01	50	98.0	80-119	
Toluene-d8	55.38	50	111	89-112	

HS23060596-08MSD	Analyzed 06/13/23	Conc Units µg/L	Dilution 1		
Surrogate	Result Conc	Spike Conc	%Recovery	%Recovery Limits	Q
1,2-Dichloroethane-d4	54.9	50	110	81-118	
4-Bromofluorobenzene	49.97	50	99.9	85-114	
Dibromofluoromethane	50.37	50	101	80-119	
Toluene-d8	55.39	50	111	89-112	

HS23060596-01	Analyzed 06/13/23	Conc Units µg/L	Dilution 5		
Surrogate	Result Conc	Spike Conc	%Recovery	%Recovery Limits	Q
1,2-Dichloroethane-d4	260	250	106	81-118	
4-Bromofluorobenzene	240	250	95.6	85-114	
Dibromofluoromethane	240	250	97.7	80-119	
Toluene-d8	270	250	110	89-112	

Q - Surrogate %Recovery Flag * - %Recovery / RPD Outside Limits

Form 2 - System Monitoring Compound Recovery

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

Volatiles by EPA 8260

RunID
VOA9_437771_R437771

HS23060596-02	Analyzed 06/13/23	Conc Units µg/L	Dilution 5

Surrogate	Result Conc	Spike Conc	%Recovery	%Recovery Limits	Q
1,2-Dichloroethane-d4	280	250	111	81-118	
4-Bromofluorobenzene	240	250	97.6	85-114	
Dibromofluoromethane	250	250	98.9	80-119	
Toluene-d8	280	250	111	89-112	

HS23060596-03	Analyzed 06/13/23	Conc Units µg/L	Dilution 1

Surrogate	Result Conc	Spike Conc	%Recovery	%Recovery Limits	Q
1,2-Dichloroethane-d4	57	50	114	81-118	
4-Bromofluorobenzene	49	50	97.2	85-114	
Dibromofluoromethane	50	50	101	80-119	
Toluene-d8	55	50	109	89-112	

HS23060596-06	Analyzed 06/13/23	Conc Units µg/L	Dilution 1

Surrogate	Result Conc	Spike Conc	%Recovery	%Recovery Limits	Q
1,2-Dichloroethane-d4	51	50	103	81-118	
4-Bromofluorobenzene	52	50	104	85-114	
Dibromofluoromethane	48	50	95.7	80-119	

Form 2 - System Monitoring Compound Recovery

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

RunID
VOA9_437771_R437771

Volatiles by EPA 8260

HS23060596-09	Analyzed 06/13/23	Conc Units µg/L	Dilution 1		
Surrogate	Result Conc	Spike Conc	%Recovery	%Recovery Limits	Q
1,2-Dichloroethane-d4	51	50	101	81-118	
4-Bromofluorobenzene	46	50	92.7	85-114	
Dibromofluoromethane	49	50	97.7	80-119	
Toluene-d8	55	50	109	89-112	

HS23060596-04	Analyzed 06/13/23	Conc Units µg/L	Dilution 1		
Surrogate	Result Conc	Spike Conc	%Recovery	%Recovery Limits	Q
1,2-Dichloroethane-d4	51	50	102	81-118	
4-Bromofluorobenzene	46	50	91.7	85-114	
Dibromofluoromethane	48	50	96.4	80-119	
Toluene-d8	55	50	109	89-112	

HS23060596-05	Analyzed 06/13/23	Conc Units µg/L	Dilution 1		
Surrogate	Result Conc	Spike Conc	%Recovery	%Recovery Limits	Q
1,2-Dichloroethane-d4	56	50	113	81-118	
4-Bromofluorobenzene	48	50	95.2	85-114	
Dibromofluoromethane	49	50	98.1	80-119	
Toluene-d8	56	50	111	89-112	

Q - Surrogate %Recovery Flag * - %Recovery / RPD Outside Limits

Form 2 - System Monitoring Compound Recovery

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

RunID
VOA9_437981_R437981

Volatiles by EPA 8260

CCV	Analyzed 06/15/23	Conc Units µg/L	Dilution 1		
Surrogate	Result Conc	Spike Conc	%Recovery	%Recovery Limits	Q
1,2-Dichloroethane-d4	54.86	50	110	80-120	
4-Bromofluorobenzene	57	50	114	80-120	
Dibromofluoromethane	51.66	50	103	80-120	
Toluene-d8	48.94	50	97.9	80-120	

CCB	Analyzed 06/15/23	Conc Units µg/L	Dilution 1		
Surrogate	Result Conc	Spike Conc	%Recovery	%Recovery Limits	Q
1,2-Dichloroethane-d4	55.17	50	110	80-120	
4-Bromofluorobenzene	48.91	50	97.8	80-120	
Dibromofluoromethane	49.2	50	98.4	80-120	
Toluene-d8	55.93	50	112	80-120	

VLCSW-230615	Analyzed 06/15/23	Conc Units µg/L	Dilution 1		
Surrogate	Result Conc	Spike Conc	%Recovery	%Recovery Limits	Q
1,2-Dichloroethane-d4	56.62	50	113	81-118	
4-Bromofluorobenzene	55.68	50	111	85-114	
Dibromofluoromethane	53.12	50	106	80-119	
Toluene-d8	51.67	50	103	89-112	

VBLKW-230615	Analyzed 06/15/23	Conc Units µg/L	Dilution 1		
Surrogate	Result Conc	Spike Conc	%Recovery	%Recovery Limits	Q
1,2-Dichloroethane-d4	55.93	50	112	81-118	
4-Bromofluorobenzene	48.9	50	97.8	85-114	
Dibromofluoromethane	50.38	50	101	80-119	
Toluene-d8	54.51	50	109	89-112	

Q - Surrogate %Recovery Flag * - %Recovery / RPD Outside Limits

Form 2 - System Monitoring Compound Recovery

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

RunID
VOA9_437981_R437981

Volatiles by EPA 8260

HS23060723-03MS	Analyzed 06/15/23	Conc Units µg/L	Dilution 1

Surrogate	Result Conc	Spike Conc	%Recovery	%Recovery Limits	Q
1,2-Dichloroethane-d4	55.33	50	111	81-118	
4-Bromofluorobenzene	51.96	50	104	85-114	
Dibromofluoromethane	50.52	50	101	80-119	
Toluene-d8	54.42	50	109	89-112	

HS23060723-03MSD	Analyzed 06/15/23	Conc Units µg/L	Dilution 1

Surrogate	Result Conc	Spike Conc	%Recovery	%Recovery Limits	Q
1,2-Dichloroethane-d4	55.2	50	110	81-118	
4-Bromofluorobenzene	52.32	50	105	85-114	
Dibromofluoromethane	50.72	50	101	80-119	
Toluene-d8	54.79	50	110	89-112	

HS23060596-04	Analyzed 06/15/23	Conc Units µg/L	Dilution 10

Surrogate	Result Conc	Spike Conc	%Recovery	%Recovery Limits	Q
1,2-Dichloroethane-d4	570	500	115	81-118	
4-Bromofluorobenzene	480	500	95.7	85-114	
Dibromofluoromethane	510	500	101	80-119	
Toluene-d8	560	500	112	89-112	

HS23060596-05	Analyzed 06/15/23	Conc Units µg/L	Dilution 10

Surrogate	Result Conc	Spike Conc	%Recovery	%Recovery Limits	Q
1,2-Dichloroethane-d4	570	500	113	81-118	
4-Bromofluorobenzene	480	500	96.9	85-114	
Dibromofluoromethane	520	500	104	80-119	
Toluene-d8	550	500	110	89-112	

Q - Surrogate %Recovery Flag * - %Recovery / RPD Outside Limits

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Form 3A

Matrix Spike/Spike Duplicate Recovery

Volatiles by EPA 8260

Workorder

HS23060596

Client

Bhate Environmental Associates, Inc.

Project

LHAAP-58

06/16/2023

ALS Environmental–Houston Laboratory
10450 Stancliff Road, Suite 210, Houston, TX 77099
Phone (281) 530-5656 Fax (281) 530-5887
www.alsglobal.com

Form 3A - Matrix Spike/Spike Duplicate Recovery

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

35AWW26_060623	HS23060596-08	HS23060596-08MS	HS23060596-08MSD	
Sample Matrix Aqueous	**Run Date** 06/13/23	06/13/23	06/13/23	
Units µg/L	**Run Time** 14:42	15:49	16:12	
	Data File U061309.D	U061312.D	U061313.D	

Analyte	%R Limits	DF	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	21.75	20.00	109		20.8	20.00	104		20	4.40	
1,1,1-Trichloroethane	74-131	1	0	20.79	20.00	104		20.85	20.00	104		20	0.300	
1,1,2,2-Tetrachloroethane	71-121	1	0	20.11	20.00	101		19.35	20.00	97		20	3.90	
1,1,2-Trichloroethane	80-119	1	0	20.54	20.00	103		19.88	20.00	99		20	3.30	
1,1-Dichloroethane	77-125	1	24.75	40.72	20.00	80		45.15	20.00	102		20	10.3	
1,1-Dichloroethene	71-131	1	93.63	114.5	20.00	104		122.9	20.00	146	*	20	7.00	
1,1-Dichloropropene	78-125	1	0	22.54	20.00	113		21.57	20.00	108		20	4.40	
1,2,3-Trichlorobenzene	69-129	1	0	19.40	20.00	97		19.38	20.00	97		20	0.100	
1,2,3-Trichloropropane	73-122	1	0	19.62	20.00	98		19.04	20.00	95		20	3.00	
1,2,4-Trichlorobenzene	69-130	1	0	19.28	20.00	96		19.28	20.00	96		20	0	
1,2,4-Trimethylbenzene	76-124	1	0	20.47	20.00	102		20.44	20.00	102		20	0.100	
1,2-Dibromo-3-chloropropane	62-128	1	0	18.47	20.00	92		19.13	20.00	96		20	3.50	
1,2-Dibromoethane	77-121	1	0	20.36	20.00	102		20.01	20.00	100		20	1.70	
1,2-Dichlorobenzene	80-119	1	0	20.25	20.00	101		20	20.00	100		20	1.20	
1,2-Dichloroethane	73-128	1	0	20.49	20.00	102		21.55	20.00	108		20	5.00	
1,2-Dichloropropane	78-122	1	0	20.62	20.00	103		21.81	20.00	109		20	5.60	
1,3,5-Trimethylbenzene	75-124	1	0	21.28	20.00	106		21.15	20.00	106		20	0.600	
1,3-Dichlorobenzene	80-119	1	0	20.95	20.00	105		20.43	20.00	102		20	2.60	
1,3-Dichloropropane	80-119	1	0	20.77	20.00	104		20.31	20.00	102		20	2.20	
1,4-Dichlorobenzene	79-118	1	0	20.34	20.00	102		19.77	20.00	99		20	2.90	
2,2-Dichloropropane	60-139	1	0	20.61	20.00	103		21.16	20.00	106		20	2.60	
2-Butanone	56-143	1	0	33.41	40.00	84		37.98	40.00	95		20	12.8	
2-Chlorotoluene	79-122	1	0	22.10	20.00	110		21.59	20.00	108		20	2.30	
2-Hexanone	57-139	1	0	40.78	40.00	102		41.2	40.00	103		20	1.00	
4-Chlorotoluene	78-122	1	0	21.80	20.00	109		21.07	20.00	105		20	3.40	
4-Isopropyltoluene	77-127	1	0	21.88	20.00	109		21.69	20.00	108		20	0.900	
4-Methyl-2-pentanone	67-130	1	0	43.52	40.00	109		44.12	40.00	110		20	1.40	
Acetone	39-160	1	0	30.76	40.00	77		33.23	40.00	83		20	7.70	
Benzene	79-120	1	0	21.45	20.00	107		20.01	20.00	100		20	6.90	
Bromobenzene	80-120	1	0	20.35	20.00	102		19.85	20.00	99		20	2.50	
Bromochloromethane	78-123	1	0	17.03	20.00	85		17.98	20.00	90		20	5.40	
Bromodichloromethane	79-125	1	0	20.50	20.00	103		21.29	20.00	106		20	3.80	
Bromoform	66-130	1	0	20.49	20.00	102		20.07	20.00	100		20	2.10	
Bromomethane	53-141	1	0	21.45	20.00	107		21.98	20.00	110		20	2.40	

- %Recovery / RPD Flag * - %Recovery / RPD Outside Limits OL - Outside Limits

Form 3A - Matrix Spike/Spike Duplicate Recovery

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

35AWW26_060623	HS23060596-08	HS23060596-08MS	HS23060596-08MSD	
Sample Matrix Aqueous	**Run Date** 06/13/23	06/13/23	06/13/23	
Units µg/L	**Run Time** 14:42	15:49	16:12	
	Data File U061309.D	U061312.D	U061313.D	

Analyte	%R Limits	DF	Result	MS Result	Spike Added	%R	Q	MSD Result	Spike Added	%R	Q	RPD Limit	RPD	Q
Carbon disulfide	64-133	1	0	38.41	40.00	96		41.02	40.00	103		20	6.60	
Carbon tetrachloride	72-136	1	0	22.54	20.00	113		23.14	20.00	116		20	2.70	
Chlorobenzene	82-118	1	0	21.33	20.00	107		20.56	20.00	103		20	3.70	
Chloroethane	60-138	1	0	18.06	20.00	90		18.28	20.00	91		20	1.20	
Chloroform	79-124	1	0	18.81	20.00	94		19.17	20.00	96		20	1.90	
Chloromethane	50-139	1	0	15.73	20.00	79		17.86	20.00	89		20	12.6	
cis-1,2-Dichloroethene	78-123	1	1.921	20.05	20.00	91		22.27	20.00	102		20	10.5	
cis-1,3-Dichloropropene	75-124	1	0	18.83	20.00	94		19.91	20.00	100		20	5.60	
Dibromochloromethane	74-126	1	0	21.22	20.00	106		20.78	20.00	104		20	2.10	
Dibromomethane	79-123	1	0	20.28	20.00	101		21.19	20.00	106		20	4.40	
Dichlorodifluoromethane	32-152	1	0	11.41	20.00	57		12.27	20.00	61		20	7.30	
Ethylbenzene	79-121	1	0	22.67	20.00	113		21.81	20.00	109		20	3.90	
Hexachlorobutadiene	66-134	1	0	21.19	20.00	106		20.67	20.00	103		20	2.50	
Isopropylbenzene	72-131	1	0	23.73	20.00	119		23.12	20.00	116		20	2.60	
m,p-Xylene	80-121	1	0	45.85	40.00	115		45.17	40.00	113		20	1.50	
Methylene chloride	74-124	1	0	18.86	20.00	94		20.26	20.00	101		20	7.10	
n-Butylbenzene	75-128	1	0	21.77	20.00	109		21.56	20.00	108		20	1.00	
n-Propylbenzene	76-126	1	0	22.50	20.00	112		22.05	20.00	110		20	2.00	
Naphthalene	61-128	1	0	19.82	20.00	99		21	20.00	105		20	5.80	
o-Xylene	78-122	1	0	22.01	20.00	110		21.58	20.00	108		20	1.90	
sec-Butylbenzene	77-126	1	0	22.86	20.00	114		22.54	20.00	113		20	1.40	
Styrene	78-123	1	0	22.08	20.00	110		22.26	20.00	111		20	0.800	
tert-Butylbenzene	78-124	1	0	23.08	20.00	115		22.45	20.00	112		20	2.80	
Tetrachloroethene	74-129	1	0	23.73	20.00	119		22.53	20.00	113		20	5.20	
Toluene	80-121	1	0	22.63	20.00	113		21.77	20.00	109		20	3.90	
trans-1,2-Dichloroethene	75-124	1	0.4831	19.41	20.00	95		21.24	20.00	104		20	9.00	
trans-1,3-Dichloropropene	73-127	1	0	18.44	20.00	92		19.13	20.00	96		20	3.70	
Trichloroethene	79-123	1	0	23.34	20.00	117		22.8	20.00	114		20	2.40	
Trichlorofluoromethane	65-141	1	0	20.87	20.00	104		22.66	20.00	113		20	8.20	
Vinyl chloride	58-137	1	7.378	24.09	20.00	84		26.72	20.00	97		20	10.3	

- %Recovery / RPD Flag * - %Recovery / RPD Outside Limits OL - Outside Limits

Form 3A - Matrix Spike/Spike Duplicate Recovery

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

	HS23060723-03	HS23060723-03MS	HS23060723-03MSD	
Sample Matrix Aqueous	**Run Date** 06/15/23	06/15/23	06/15/23	
Units µg/L	**Run Time** 14:18	15:03	15:25	
	Data File U061508.D	U061510.D	U061511.D	

Analyte	%R Limits	DF	Result	MS Result	Spike Added	%R	Q	MSD Result	Spike Added	%R	Q	RPD Limit	RPD	Q
Tetrachloroethene	74-129	1	0	23.51	20.00	118		22.92	20.00	115		20	2.50	
Trichloroethene	79-123	1	0	20.74	20.00	104		20.81	20.00	104		20	0.400	

- %Recovery / RPD Flag * - %Recovery / RPD Outside Limits OL - Outside Limits

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Form 3B

Laboratory Control Sample Recovery

Volatiles by EPA 8260

Workorder

HS23060596

Client

Bhate Environmental Associates, Inc.

Project

LHAAP-58

06/16/2023

ALS Environmental–Houston Laboratory
10450 Stancliff Road, Suite 210, Houston, TX 77099
Phone (281) 530-5656 Fax (281) 530-5887
www.alsglobal.com

Form 3B - Laboratory Control Sample Recovery

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

Volatiles by EPA 8260

VOA9_437771_R437771		QC ID	LCS-R437771
QC Matrix Aqueous	Units	Run Date	06/13/23
	ug/L	Run Time	12:33

Analyte	%R Limits	Spike Added	LCS Result	%R	Q
1,1,1,2-Tetrachloroethane	78-124	20	19.44	97	
1,1,1-Trichloroethane	74-131	20	18.93	95	
1,1,2,2-Tetrachloroethane	71-121	20	18.71	94	
1,1,2-Trichloroethane	80-119	20	19.05	95	
1,1-Dichloroethane	77-125	20	18.01	90	
1,1-Dichloroethene	71-131	20	18.19	91	
1,1-Dichloropropene	78-125	20	19.34	97	
1,2,3-Trichlorobenzene	69-129	20	17.9	90	
1,2,3-Trichloropropane	73-122	20	18.63	93	
1,2,4-Trichlorobenzene	69-130	20	18.14	91	
1,2,4-Trimethylbenzene	76-124	20	18.83	94	
1,2-Dibromo-3-chloropropane	62-128	20	18.97	95	
1,2-Dibromoethane	77-121	20	19.21	96	
1,2-Dichlorobenzene	80-119	20	18.76	94	
1,2-Dichloroethane	73-128	20	18.82	94	
1,2-Dichloroethane-d4	81-118	50	49.93	100	
1,2-Dichloropropane	78-122	20	19.18	96	
1,3,5-Trimethylbenzene	75-124	20	18.94	95	
1,3-Dichlorobenzene	80-119	20	18.88	94	
1,3-Dichloropropane	80-119	20	19.52	98	
1,4-Dichlorobenzene	79-118	20	18.47	92	
2,2-Dichloropropane	60-139	20	20.71	104	
2-Butanone	56-143	40	39.23	98	
2-Chlorotoluene	79-122	20	19.58	98	
2-Hexanone	57-139	40	39.9	100	
4-Bromofluorobenzene	85-114	50	52.6	105	
4-Chlorotoluene	78-122	20	19.51	98	
4-Isopropyltoluene	77-127	20	18.84	94	
4-Methyl-2-pentanone	67-130	40	40.11	100	
Acetone	39-160	40	47.28	118	
Benzene	79-120	20	19.61	98	
Bromobenzene	80-120	20	18.87	94	
Bromochloromethane	78-123	20	18.54	93	
Bromodichloromethane	79-125	20	19.3	96	
Bromoform	66-130	20	19.35	97	

- %Recovery / RPD Flag * - %Recovery / RPD Outside Limits

Form 3B - Laboratory Control Sample Recovery

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

Volatiles by EPA 8260

VOA9_437771_R437771		QC ID	LCS-R437771
QC Matrix Aqueous	Units	Run Date	06/13/23
	ug/L	Run Time	12:33

Analyte	%R Limits	Spike Added	LCS Result	%R	Q
Bromomethane	53-141	20	21.11	106	
Carbon disulfide	64-133	40	38.67	97	
Carbon tetrachloride	72-136	20	18.44	92	
Chlorobenzene	82-118	20	19.4	97	
Chloroethane	60-138	20	16.83	84	
Chloroform	79-124	20	19.16	96	
Chloromethane	50-139	20	17.04	85	
cis-1,2-Dichloroethene	78-123	20	18.54	93	
cis-1,3-Dichloropropene	75-124	20	18.64	93	
Dibromochloromethane	74-126	20	19.98	100	
Dibromofluoromethane	80-119	50	50.74	101	
Dibromomethane	79-123	20	19.08	95	
Dichlorodifluoromethane	32-152	20	16.4	82	
Ethylbenzene	79-121	20	19.46	97	
Hexachlorobutadiene	66-134	20	18.43	92	
Isopropylbenzene	72-131	20	19.83	99	
m,p-Xylene	80-121	40	40.6	101	
Methylene chloride	74-124	20	19.78	99	
Naphthalene	61-128	20	19.13	96	
n-Butylbenzene	75-128	20	18.39	92	
n-Propylbenzene	76-126	20	19.02	95	
o-Xylene	78-122	20	19.94	100	
sec-Butylbenzene	77-126	20	18.9	94	
Styrene	78-123	20	20.75	104	
tert-Butylbenzene	78-124	20	18.72	94	
Tetrachloroethene	74-129	20	19.46	97	
Toluene	80-121	20	19.97	100	
Toluene-d8	89-112	50	51.79	104	
trans-1,2-Dichloroethene	75-124	20	19.4	97	
trans-1,3-Dichloropropene	73-127	20	18.11	90	
Trichloroethene	79-123	20	19.16	96	
Trichlorofluoromethane	65-141	20	18.22	91	
Vinyl chloride	58-137	20	17.28	86	

- %Recovery / RPD Flag * - %Recovery / RPD Outside Limits

Form 3B - Laboratory Control Sample Recovery

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

Volatiles by EPA 8260

VOA9_437981_R437981		QC ID	LCS-R437981
QC Matrix Aqueous	**Units** %REC	**Run Date**	06/15/23
		Run Time	13:11

Analyte	%R Limits	Spike Added	LCS Result	%R	Q
1,2-Dichloroethane-d4	81-118	50	56.62	113	
4-Bromofluorobenzene	85-114	50	55.68	111	
Dibromofluoromethane	80-119	50	53.12	106	
Tetrachloroethene	74-129	20	19.43	97	
Toluene-d8	89-112	50	51.67	103	
Trichloroethene	79-123	20	18.88	94	

- %Recovery / RPD Flag * - %Recovery / RPD Outside Limits

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Form 4

Method Blank Summary

Volatiles by EPA 8260

Workorder

HS23060596

Client

Bhate Environmental Associates, Inc.

Project

LHAAP-58

06/16/2023

ALS Environmental–Houston Laboratory

10450 Stancliff Road, Suite 210, Houston, TX 77099

Phone (281) 530-5656 Fax (281) 530-5887

www.alsglobal.com

Form 4 - Method Blank Summary

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

Volatiles by EPA 8260

Client Sample ID	Type	Lab Sample ID	File ID	Date Analyzed	Run ID
METHOD BLANK	MBLK	VBLKW-230613	U061307.D	06/13/23 13:57	VOA9_437771_R437771
VLCSW-230613	LCS	VLCSW-230613	U061305.D	06/13/23 12:33	VOA9_437771_R437771
Trip Blank	SAMP	HS23060596-10	U061308.D	06/13/23 14:20	VOA9_437771_R437771
35AWW26_060623	SAMP	HS23060596-08	U061309.D	06/13/23 14:42	VOA9_437771_R437771
35AWW26_060623	MS	HS23060596-08MS	U061312.D	06/13/23 15:49	VOA9_437771_R437771
35AWW26_060623	MSD	HS23060596-08MSD	U061313.D	06/13/23 16:12	VOA9_437771_R437771
03WW01_060623	SAMP	HS23060596-01	U061316.D	06/13/23 17:19	VOA9_437771_R437771
35AWW08_060623	SAMP	HS23060596-02	U061317.D	06/13/23 17:41	VOA9_437771_R437771
35AWW01_060623	SAMP	HS23060596-03	U061318.D	06/13/23 18:04	VOA9_437771_R437771
35AWW13_060623	SAMP	HS23060596-06	U061319.D	06/13/23 18:26	VOA9_437771_R437771
35AWW10_060623	SAMP	HS23060596-07	U061320.D	06/13/23 18:48	VOA9_437771_R437771
35AWW21_060623	SAMP	HS23060596-09	U061321.D	06/13/23 19:11	VOA9_437771_R437771
35AWW09_060623	SAMP	HS23060596-04	U061322.D	06/13/23 19:33	VOA9_437771_R437771
35AWW09_060623_a	SAMP	HS23060596-05	U061323.D	06/13/23 19:56	VOA9_437771_R437771

Form 4 - Method Blank Summary

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

Volatiles by EPA 8260

Client Sample ID	Type	Lab Sample ID	File ID	Date Analyzed	Run ID
METHOD BLANK	MBLK	VBLKW-230615	U061507.D	06/15/23 13:55	VOA9_437981_R437981
VLCSW-230615	LCS	VLCSW-230615	U061505.D	06/15/23 13:11	VOA9_437981_R437981
BatchQC	MS	HS23060723-03MS	U061510.D	06/15/23 15:03	VOA9_437981_R437981
BatchQC	MSD	HS23060723-03MSD	U061511.D	06/15/23 15:25	VOA9_437981_R437981
35AWW09_060623	SAMP	HS23060596-04	U061517.D	06/15/23 17:39	VOA9_437981_R437981
35AWW09_060623_a	SAMP	HS23060596-05	U061518.D	06/15/23 18:02	VOA9_437981_R437981

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Form 5

Instrument Performance Check

Volatiles by EPA 8260

Workorder

HS23060596

Client

Bhate Environmental Associates, Inc.

Project

LHAAP-58

06/16/2023

ALS Environmental–Houston Laboratory

10450 Stancliff Road, Suite 210, Houston, TX 77099

Phone (281) 530-5656 Fax (281) 530-5887

www.alsglobal.com

Form 5 - Instrument Performance Check

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

RunID
VOA9_437296

Tune File U060601.D 06/06/23 10:53

m / e	Ion Abundance Criterion	%RA
50	15.0 - 40.0% of mass 95	19 (19)
75	30.0 - 60.0% of mass 95	46.7 (46.7)
95	Base peak, 100% RA	100 (100)
96	5.0 - 9.0% of mass 95	6.9 (6.86)
173	Less than 2.0% of mass 174	0 (0) 1
174	50.0 - 120.0% of mass 95	92.1 (92.1)
175	4.0 - 9.0% of mass 174	8 (8.69) 1
176	93.0 - 101.0% of mass 174	89.4 (97) 1
177	5.0 - 9.0% of mass 176	6.1 (6.87) 2

Value is % of mass 1) 174 2) 176 RA - Relative Abundance

This check applies to the following analyses

	Type	Date Analyzed	Lab File ID	Sample ID
1	ICAL1	06/06/23 11:15	U060602	VSTD000.25
2	ICAL2	06/06/23 11:37	U060603	VSTD000.5
3	ICAL5	06/06/23 13:06	U060606	VSTD005
4	ICAL3	06/06/23 13:28	U060607	VSTD001
5	ICAL4	06/06/23 13:50	U060608	VSTD002
6	ICAL6	06/06/23 14:13	U060609	VSTD020
7	ICAL7	06/06/23 14:35	U060610	VSTD050
8	ICAL8	06/06/23 14:57	U060611	VSTD100
9	ICAL9	06/06/23 15:19	U060612	VSTD150
10	ICAL	06/06/23 15:41	U060613	VSTD200
11	ICV	06/06/23 16:48	U060616	CCV

Form 5 - Instrument Performance Check

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

RunID
VOA9_437771

Tune File U061301.D 06/13/23 11:04

m / e	Ion Abundance Criterion	%RA
50	15.0 - 40.0% of mass 95	17.7 (17.7)
75	30.0 - 60.0% of mass 95	47.8 (47.8)
95	Base peak, 100% RA	100 (100)
96	5.0 - 9.0% of mass 95	6.8 (6.8)
173	Less than 2.0% of mass 174	0 (0) 1
174	50.0 - 120.0% of mass 95	89.3 (89.3)
175	4.0 - 9.0% of mass 174	7.5 (8.44) 1
176	93.0 - 101.0% of mass 174	85.7 (95.9) 1
177	5.0 - 9.0% of mass 176	6.2 (7.28) 2

Value is % of mass 1) 174 2) 176 RA - Relative Abundance

This check applies to the following analyses

	Type	Date Analyzed	Lab File ID	Sample ID
1	CCV	06/13/23 11:49	U061303	CCV
2	LCS	06/13/23 12:33	U061305	VLCSW-230613
3	MBLK	06/13/23 13:57	U061307	VBLKW-230613
4	SAMP	06/13/23 14:20	U061308	Trip Blank
5	SAMP	06/13/23 14:42	U061309	35AWW26_060623
6	MS	06/13/23 15:49	U061312	HS23060596-08MS
7	MSD	06/13/23 16:12	U061313	HS23060596-08MSD
8	SAMP	06/13/23 17:19	U061316	03WW01_060623
9	SAMP	06/13/23 17:41	U061317	35AWW08_060623
10	SAMP	06/13/23 18:04	U061318	35AWW01_060623
11	SAMP	06/13/23 18:26	U061319	35AWW13_060623
12	SAMP	06/13/23 18:48	U061320	35AWW10_060623
13	SAMP	06/13/23 19:11	U061321	35AWW21_060623
14	SAMP	06/13/23 19:33	U061322	35AWW09_060623
15	SAMP	06/13/23 19:56	U061323	35AWW09_060623_a
16	CCV_EN	06/13/23 20:18	U061324	CCV-END

Form 5 - Instrument Performance Check

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

RunID
VOA9_437981

Tune File U061501.D 06/15/23 11:39

m / e	Ion Abundance Criterion	%RA
50	15.0 - 40.0% of mass 95	19.5 (19.5)
75	30.0 - 60.0% of mass 95	51.9 (51.9)
95	Base peak, 100% RA	100 (100)
96	5.0 - 9.0% of mass 95	7.1 (7.09)
173	Less than 2.0% of mass 174	0 (0) 1
174	50.0 - 120.0% of mass 95	87.8 (87.8)
175	4.0 - 9.0% of mass 174	7.7 (8.82) 1
176	93.0 - 101.0% of mass 174	85 (96.8) 1
177	5.0 - 9.0% of mass 176	6 (7) 2

Value is % of mass 1) 174 2) 176 RA - Relative Abundance

This check applies to the following analyses

	Type	Date Analyzed	Lab File ID	Sample ID
1	CCV	06/15/23 12:04	U061502	CCV
2	CCB	06/15/23 12:48	U061504	CCB
3	LCS	06/15/23 13:11	U061505	VLCSW-230615
4	MBLK	06/15/23 13:55	U061507	VBLKW-230615
5	MS	06/15/23 15:03	U061510	ZZZZZZMS
6	MSD	06/15/23 15:25	U061511	ZZZZZZMSD
7	SAMP	06/15/23 17:39	U061517	35AWW09_060623
8	SAMP	06/15/23 18:02	U061518	35AWW09_060623_a
9	CCV_EN	06/15/23 22:30	U061530	CCV-END

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Form 6

Initial Calibration Data

Volatiles by EPA 8260

Workorder

HS23060596

Client

Bhate Environmental Associates, Inc.

Project

LHAAP-58

06/16/2023

ALS Environmental–Houston Laboratory

10450 Stancliff Road, Suite 210, Houston, TX 77099

Phone (281) 530-5656 Fax (281) 530-5887

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Initial Calibration Data

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder HS23060596

RunID VOA9_437296

ICAL Start Date 06-JUN-2023 1115

ICAL End Date 06-JUN-2023 1541

Calibration Files

Level 1 ..voa9.i\U230606.b\U060602.D
Level 2 ..voa9.i\U230606.b\U060603A.D
Level 3 ..voa9.i\U230606.b\U060607.D
Level 4 ..voa9.i\U230606.b\U060608.D
Level 5 ..voa9.i\U230606.b\U060606.D
Level 6 ..voa9.i\U230606.b\U060609.D
Level 7 ..voa9.i\U230606.b\U060610.D
Level 8 ..voa9.i\U230606.b\U060611.D
Level 9 ..voa9.i\U230606.b\U060612.D
Level 10.voa9.i\U230606.b\U060613.D

Compound	Level 1 0.250 Level 7 50.0	Level 2 0.500 Level 8 100.0	Level 3 1.00 Level 9 150.0	Level 4 2.00 Level 10 200.0	Level 5 5.00	Level 6 20.00	Curve	b	m1	m2	%RSD or R^2	Q
Dichlorodifluoromethane	NE 301782	3237 630744	5058 960667	8519 1327832	31172	134998	LINR	0.00160	0.46271		0.99983	
Chloromethane	NE 533277	6740 979734	13219 NE	24280 NE	62455	243997	LINR	-0.02699	0.73429		0.99792	
Propionitrile	NE 0.06910	0.08304 0.07191	0.07790 0.06959	0.06567 0.06755	0.07543	0.07008	AVRG		0.07225		7.66936	
Vinyl Chloride	NE 0.54961	0.53164 0.55242	0.43717 0.54597	0.48902 0.54834	0.55204	0.55364	AVRG		0.52887		7.56687	
Bromomethane	NE 189385	2378 362834	5133 572508	9237 739966	23995	85360	LINR	-0.03678	0.26230		0.99829	
Chloroethane	NE 0.34874	0.38400 0.34887	0.39288 0.34148	0.33413 0.33605	0.35705	0.36318	AVRG		0.35626		5.77503	
Trichlorofluoromethane	NE 0.60336	0.65250 0.63856	0.50831 0.62802	0.50964 0.62488	0.63485	0.66665	AVRG		0.60742		9.63343	
Acrolein	NE 0.02565	0.03356 0.02534	0.02950 0.02449	0.02511 0.02533	0.02566	0.02421	AVRG		0.02654		11.47974	
Acetone	NE 245967	8112 467276	12344 669020	18337 NE	31915	105410	LINR	-0.11414	0.16245		0.99760	
1,1-Dichloroethene	NE 0.37538	0.43475 0.38325	0.34844 0.38119	0.33936 0.38464	0.38705	0.38169	AVRG		0.37953		7.06417	

NE - Not Evaluated, AVRG - Averaged, LINR - Linear Regression, WLIN - Weighted Linear, QUAD - Quadratic, * - Curve Fit Outside Limits

Initial Calibration Data

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder HS23060596

RunID VOA9_437296

ICAL Start Date 06-JUN-2023 1115 **ICAL End Date** 06-JUN-2023 1541

Compound	Level 1 0.250 Level 7 50.0	Level 2 0.500 Level 8 100.0	Level 3 1.00 Level 9 150.0	Level 4 2.00 Level 10 200.0	Level 5 5.00	Level 6 20.00	Curve	b	m1	m2	%RSD or R^2	Q
Isobutyl Alcohol	NE 0.06592	0.06000 0.06937	0.06647 0.06652	0.06001 0.06907	0.06288	0.06445	AVRG		0.06496		5.32316	
Acetonitrile	NE 0.05262	0.06019 0.05598	0.05501 0.05486	0.05232 0.05223	0.05374	0.05025	AVRG		0.05413		5.29738	
Allyl Chloride	NE 1.23994	1.54447 1.31147	1.31408 1.28770	1.21739 1.22743	1.32627	1.21434	AVRG		1.29812		7.89105	
Iodomethane	NE 311144	1872 901104	3593 1654094	5244 2389174	10875	69713	QUAD	0.19719	3.17029	-0.25959	0.99395	*
Acrylonitrile	NE 0.17643	0.19222 0.19265	0.17779 0.18699	0.18194 0.18155	0.19969	0.17956	AVRG		0.18542		4.28504	
Methylene Chloride	NE 313459	6638 614571	9867 934598	14226 1286266	34262	133454	LINR	-0.02055	0.44680		0.99989	
Methyl tert-butyl ether	NE 1.11011	1.34489 1.18230	1.22763 1.16687	1.06262 1.13583	1.16892	1.07548	AVRG		1.16385		7.37549	
Carbon Disulfide	NE 1.05257	0.97637 1.06234	0.93978 1.05033	0.91298 1.04865	1.04258	1.04592	AVRG		1.01461		5.54329	
trans-1,2-Dichloroethene	NE 0.42568	0.43966 0.42424	0.36838 0.41068	0.38985 0.41906	0.41680	0.42038	AVRG		0.41275		5.16490	
Vinyl Acetate	NE 1.24787	1.16903 1.32894	1.28605 1.32075	1.14428 1.28290	1.31826	1.22557	AVRG		1.25818		5.33224	
1,1-Dichloroethane	NE 0.75452	0.91579 0.74633	0.85153 0.73811	0.77473 0.73300	0.79838	0.74713	AVRG		0.78439		7.88122	
Chloroprene	NE 0.15370	0.18753 0.16003	0.14913 0.16411	0.13564 0.16977	0.14899	0.16635	AVRG		0.15947		9.35578	

NE - Not Evaluated, AVRG - Averaged, LINR - Linear Regression, WLIN - Weighted Linear, QUAD - Quadratic, * - Curve Fit Outside Limits

Initial Calibration Data

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder HS23060596

RunID VOA9_437296

ICAL Start Date 06-JUN-2023 1115 **ICAL End Date** 06-JUN-2023 1541

Compound	Level 1 0.250 Level 7 50.0	Level 2 0.500 Level 8 100.0	Level 3 1.00 Level 9 150.0	Level 4 2.00 Level 10 200.0	Level 5 5.00	Level 6 20.00	Curve	b	m1	m2	%RSD or R^2	Q
2-Butanone	NE 0.21032	0.26865 0.21900	0.27005 0.21311	0.22221 0.20708	0.22579	0.21550	AVRG		0.22797		10.59636	
Methacrylonitrile	NE 0.29063	0.32297 0.31155	0.29216 0.31218	0.25772 0.29964	0.27607	0.29576	AVRG		0.29541		6.71428	
2,2-Dichloropropane	NE 344673	3685 699035	6247 1080274	12294 1505657	33762	139835	LINR	0.00797	0.52278		0.99995	
cis-1,2-Dichloroethene	NE 0.48847	0.54176 0.48782	0.49058 0.48487	0.46721 0.48248	0.51503	0.48586	AVRG		0.49378		4.41592	
Chloroform	NE 0.81885	0.87650 0.81161	0.79076 0.79868	0.79799 0.79042	0.85300	0.80968	AVRG		0.81639		3.62615	
Bromochloromethane	NE 0.26708	0.31315 0.26410	0.30614 0.26302	0.26452 0.25295	0.28615	0.26876	AVRG		0.27621		7.56831	
1,1,1-Trichloroethane	NE 0.63238	0.65994 0.65446	0.57497 0.64619	0.52644 0.65564	0.61086	0.63915	AVRG		0.62223		7.20510	
1,1-Dichloropropene	NE 0.37173	0.32259 0.39025	0.38290 0.38140	0.31292 0.38981	0.36218	0.38416	AVRG		0.36644		7.93028	
1,2-Dichloroethane	NE 0.42081	0.46850 0.42485	0.42052 0.41425	0.45938 0.40606	0.45322	0.42725	AVRG		0.43276		5.06646	
Carbon Tetrachloride	NE 0.34607	0.35476 0.37126	0.28321 0.36664	0.26732 0.37542	0.31231	0.35238	AVRG		0.33660		11.75294	
Benzene	NE 1.23100	1.18679 1.22379	1.09401 1.20222	1.22033 1.18837	1.26301	1.23391	AVRG		1.20483		3.98055	
Trichloroethene	NE 0.34006	0.37553 0.34777	0.35201 0.34410	0.32048 0.34873	0.36729	0.34693	AVRG		0.34921		4.49432	

NE - Not Evaluated, AVRG - Averaged, LINR - Linear Regression, WLIN - Weighted Linear, QUAD - Quadratic, * - Curve Fit Outside Limits

Initial Calibration Data

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder HS23060596

RunID VOA9_437296

ICAL Start Date 06-JUN-2023 1115 **ICAL End Date** 06-JUN-2023 1541

Compound	Level 1 0.250 Level 7 50.0	Level 2 0.500 Level 8 100.0	Level 3 1.00 Level 9 150.0	Level 4 2.00 Level 10 200.0	Level 5 5.00	Level 6 20.00	Curve	b	m1	m2	%RSD or R^2	Q
Bromodichloromethane	NE 0.38236	0.38289 0.40428	0.33360 0.40608	0.32980 0.40603	0.37143	0.36599	AVRG		0.37583		7.72711	
Methyl Methacrylate	NE 0.43942	0.45886 0.46989	0.38280 0.46614	0.37522 0.45591	0.40434	0.41660	AVRG		0.42991		8.44989	
2-Chloroethylvinyl ether	NE 0.00884	0.00852 0.00999	0.00946 NE	0.00945 NE	0.00895	0.00842	AVRG		0.00909		6.25191	
1,2-Dichloropropane	NE 0.32122	NE 0.32222	0.32786 0.32000	0.31466 0.31897	0.32797	0.32063	AVRG		0.32169		1.38453	*
2-Nitropropane	NE 0.11432	0.20680 0.13484	50.26056 0.13886	40.89437 0.13916	0.11155	0.10087	AVRG		10.23348		197	*
Dibromomethane	NE 0.19996	0.21005 0.20667	0.21181 0.20373	0.20209 0.20258	0.21295	0.20004	AVRG		0.20554		2.43958	
4-Methyl-2-Pentanone	NE 0.35703	0.31052 0.36713	0.34114 0.37263	0.41679 0.36509	0.37151	0.37510	AVRG		0.36411		7.81829	
cis-1,3-Dichloropropene	NE 477156	4533 1015887	6985 1649908	12842 2272308	37734	176588	LINR	0.03823	0.52354		0.99932	
Ethyl Methacrylate	NE 0.43593	0.46860 0.47447	0.39717 0.47560	0.34291 0.47794	0.45495	0.41708	AVRG		0.43830		10.42832	
Toluene	NE 1.37452	1.46131 1.35611	1.30389 1.33752	1.24034 1.30792	1.38024	1.44328	AVRG		1.35612		5.10785	
trans-1,3-Dichloropropene	NE 395477	4073 857257	5962 1382903	12660 1913130	31811	143978	LINR	0.04043	0.44043		0.99920	
2-Hexanone	NE 0.23737	0.21896 0.24894	0.27173 0.24680	0.31735 0.24494	0.24794	0.24808	AVRG		0.25357		10.85593	

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Initial Calibration Data

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder HS23060596

RunID VOA9_437296

ICAL Start Date 06-JUN-2023 1115 **ICAL End Date** 06-JUN-2023 1541

Compound	Level 1 0.250 Level 7 50.0	Level 2 0.500 Level 8 100.0	Level 3 1.00 Level 9 150.0	Level 4 2.00 Level 10 200.0	Level 5 5.00	Level 6 20.00	Curve	b	m1	m2	%RSD or R^2	Q
1,1,2-Trichloroethane	NE 0.26145	0.27781 0.26759	0.33823 0.26884	0.29394 0.26174	0.29026	0.27967	AVRG		0.28217		8.50628	
1,3-Dichloropropane	NE 0.56388	0.60411 0.56350	0.57145 0.56462	0.58138 0.54844	0.60045	0.59066	AVRG		0.57650		3.26997	
Dibromochloromethane	NE 0.35269	0.33281 0.37245	0.26753 0.38159	0.28317 0.37861	0.30864	0.33570	AVRG		0.33480		12.37215	
Tetrachloroethene	NE 0.31218	0.33596 0.32329	0.35937 0.32063	0.31268 0.32848	0.33355	0.34752	AVRG		0.33041		4.74735	
1,2-Dibromoethane	NE 0.32995	0.39291 0.33734	0.36483 0.33751	0.35335 0.32947	0.34243	0.34494	AVRG		0.34808		5.80098	
1-Chlorohexane	NE 0.23045	0.28084 0.25935	0.24384 0.26305	0.24810 0.27442	0.24355	0.26710	AVRG		0.25674		6.39033	
Chlorobenzene	NE 0.93816	0.96090 0.94626	1.02474 0.94168	0.99652 0.92552	1.00286	0.97411	AVRG		0.96786		3.50306	
1,1,1,2-Tetrachloroethane	NE 0.33475	0.33813 0.34379	0.30312 0.35090	0.32230 0.35020	0.31656	0.33414	AVRG		0.33265		4.80000	
Ethylbenzene	NE 0.45349	0.44932 0.47695	0.42798 0.48030	0.38496 0.47946	0.43441	0.46740	AVRG		0.45047		6.92422	
m,p-Xylenes	NE 0.56107	0.49705 0.59332	0.47095 0.59550	0.46613 0.59257	0.47186	0.54822	AVRG		0.53296		10.58600	
o-Xylene	NE 0.54530	0.51375 0.57414	0.46105 0.58153	0.45548 0.57622	0.49419	0.53695	AVRG		0.52651		9.19888	
Styrene	NE 0.89449	0.81868 0.95766	0.66693 0.96825	0.74091 0.94500	0.69822	0.82991	AVRG		0.83556		13.68101	

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Initial Calibration Data

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Project LHAAP-58

Workorder HS23060596

RunID VOA9_437296

ICAL Start Date 06-JUN-2023 1115 **ICAL End Date** 06-JUN-2023 1541

Compound	Level 1 0.250 Level 7 50.0	Level 2 0.500 Level 8 100.0	Level 3 1.00 Level 9 150.0	Level 4 2.00 Level 10 200.0	Level 5 5.00	Level 6 20.00	Curve	b	m1	m2	%RSD or R^2	Q
Bromoform	NE 0.23260	0.19493 0.26095	0.19245 0.26822	0.20896 0.26444	0.19978	0.21157	AVRG		0.22599		13.81919	
Isopropylbenzene	NE 1.29966	1.14173 1.39540	1.13317 1.38723	1.09443 1.38856	1.19733	1.34411	AVRG		1.26463		9.72168	
1,1,2,2-Tetrachloroethane	NE 0.86517	0.94934 0.88446	1.02444 0.87983	1.13699 0.85285	0.96171	0.90982	AVRG		0.94051		9.75227	
1,2,3-Trichloropropane	NE 0.78271	0.89588 0.82369	0.76851 0.84037	0.91659 0.83039	0.81959	0.76888	AVRG		0.82740		6.30706	
trans-1,4-Dichloro-2-butene	NE 0.05433	0.05261 0.06324	0.05796 0.06690	0.05335 0.06611	0.05527	0.04837	AVRG		0.05757		11.24480	*
n-Propylbenzene	NE 2.66761	2.34893 2.93371	2.29516 2.98954	2.26496 3.06453	2.35462	2.68484	AVRG		2.62266		12.16608	
Bromobenzene	NE 0.80219	0.83256 0.82248	0.87296 0.83564	0.91857 0.83486	0.83236	0.84108	AVRG		0.84363		3.98394	
1,3,5-Trimethylbenzene	NE 1.72613	1.71333 1.88842	1.73215 1.96460	1.69625 2.06354	1.68766	1.72132	AVRG		1.79927		7.64842	
2-Chlorotoluene	NE 1.83116	1.65439 1.87957	1.84359 1.87542	1.86405 1.87375	1.83620	1.93464	AVRG		1.84364		4.19843	
4-Chlorotoluene	NE 2.03659	1.80601 2.10132	1.92642 2.11273	2.12066 2.13399	2.01548	2.11322	AVRG		2.04071		5.42387	
tert-Butylbenzene	NE 1.72651	1.66206 1.87463	1.63607 1.89391	1.58431 1.94965	1.70142	1.87604	AVRG		1.76718		7.49680	
1,2,4-Trimethylbenzene	NE 1.70257	1.87283 1.83519	1.98426 1.91537	2.00872 2.01697	1.83192	1.77568	AVRG		1.88261		5.76159	

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Initial Calibration Data

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder HS23060596

RunID VOA9_437296

ICAL Start Date 06-JUN-2023 1115 **ICAL End Date** 06-JUN-2023 1541

Compound	Level 1 0.250 Level 7 50.0	Level 2 0.500 Level 8 100.0	Level 3 1.00 Level 9 150.0	Level 4 2.00 Level 10 200.0	Level 5 5.00	Level 6 20.00	Curve	b	m1	m2	%RSD or R^2	Q
sec-Butylbenzene	NE 2.18438	2.00057 2.46235	2.11593 2.51457	1.90597 2.60373	2.05445	2.32792	AVRG		2.24110		11.00553	
p-Isopropyltoluene	NE 1.76859	1.74598 2.03397	1.77727 2.13513	1.70832 2.25284	1.70523	1.77034	AVRG		1.87752		10.99191	
1,3-Dichlorobenzene	NE 1.34174	1.44494 1.39069	1.46902 1.40351	1.55334 1.41569	1.44971	1.42715	AVRG		1.43286		4.09348	
1,4-Dichlorobenzene	NE 1.40239	1.54178 1.43640	1.71276 1.45286	1.69155 1.45678	1.56931	1.48576	AVRG		1.52773		7.29827	
Benzyl Chloride	NE 234906	1867 573982	5481 988530	11203 1346925	22092	85763	LINR	0.06934	0.32121		0.99572	
n-Butylbenzene	NE 1.46534	1.58034 1.66824	1.52199 1.76126	1.45737 1.86929	1.51798	1.62397	AVRG		1.60731		8.65865	
1,2-Dichlorobenzene	NE 1.34667	1.37505 1.37717	1.58056 1.39037	1.62196 1.39656	1.41014	1.43132	AVRG		1.43664		6.73798	
1,2-Dibromo-3-Chloropropane	NE 0.13055	0.12905 0.14193	0.13125 0.15019	0.15055 0.15436	0.12496	0.12235	AVRG		0.13724		8.84952	
1,2,4-Trichlorobenzene	NE 0.92607	0.99711 0.97797	1.02603 1.01256	1.05277 1.03962	0.91403	0.94731	AVRG		0.98816		5.06669	
Hexachlorobutadiene	NE 0.34400	0.41409 0.38848	0.47350 0.41057	0.36363 0.43096	0.36197	0.40436	AVRG		0.39906		9.99191	
Naphthalene	NE 2.32218	2.00604 2.38330	2.45479 2.41879	2.35836 2.39671	2.05295	2.26528	AVRG		2.29538		7.00317	
1,2,3-Trichlorobenzene	NE 0.91575	0.89610 0.95078	1.01723 0.97037	1.09261 0.98955	0.91438	0.94752	AVRG		0.96603		6.32619	

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Initial Calibration Data

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Project LHAAP-58

Workorder HS23060596

RunID VOA9_437296

ICAL Start Date 06-JUN-2023 1115 **ICAL End Date** 06-JUN-2023 1541

Compound	Level 1 0.250 Level 7 50.0	Level 2 0.500 Level 8 100.0	Level 3 1.00 Level 9 150.0	Level 4 2.00 Level 10 200.0	Level 5 5.00	Level 6 20.00	Curve	b	m1	m2	%RSD or R^2	Q
Ethyl Acetate	NE 0.40659	0.56275 0.43291	0.47646 0.42120	0.45270 0.40047	0.44438	0.42507	AVRG		0.44695		11.03167	
Methyl Acrylate	NE 0.51803	0.64029 0.55501	0.52884 0.53794	0.45224 0.52785	0.49568	0.50330	AVRG		0.52880		9.67195	
n-Butanol	NE 0.01307	0.01415 0.01509	2.08859 0.01514	4.21587 0.01494	0.01247	0.01208	AVRG		0.71127		208	*
Cyclohexanone	NE 0.02875	0.03990 0.02946	0.03613 0.02809	0.02961 0.02880	0.03016	0.02808	AVRG		0.03100		13.36896	
1,4-Dioxane	0.02235 0.00659	0.01166 0.00691	0.01127 0.00671	0.01101 0.00625	0.00960	0.00693	AVRG		0.00993		49.04531	*
n-Hexane	NE 256401	2983 595793	4787 933406	7179 1358253	28289	131033	QUAD	0.00210	2.46538	-0.18460	0.99921	
Freon TF	NE 0.32170	0.35587 0.35856	0.27604 0.35800	0.26719 0.36926	0.34986	0.36574	AVRG		0.33580		11.58349	
Methyl Acetate	NE 0.37668	0.50232 0.40100	0.47241 0.38762	0.46924 0.37810	0.40980	0.39186	AVRG		0.42100		11.22802	
Methylcyclohexane	NE 0.63877	0.71717 0.77007	0.66486 0.77041	0.57666 0.75903	0.69680	0.64861	AVRG		0.69360		9.68871	
Isopropyl alcohol	NE 0.02926	0.03524 0.03162	0.03413 0.03087	0.04209 0.02976	0.03152	0.02969	AVRG		0.03269		12.43532	
Amyl alcohol	NE 0.00986	0.01197 0.01105	1.92102 0.01113	3.42130 0.01101	0.00863	0.00951	AVRG		0.60172		205	*
Allyl alcohol	NE 256401	2691 595793	4787 933406	7179 1358253	27611	131033	QUAD	0.05728	49.27793	-3.68010	0.99921	

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Initial Calibration Data

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder HS23060596

RunID VOA9_437296

ICAL Start Date 06-JUN-2023 1115 **ICAL End Date** 06-JUN-2023 1541

Compound	Level 1 0.250 Level 7 50.0	Level 2 0.500 Level 8 100.0	Level 3 1.00 Level 9 150.0	Level 4 2.00 Level 10 200.0	Level 5 5.00	Level 6 20.00	Curve	b	m1	m2	%RSD or R^2	Q
4-Methyl-2-pentanol	NE 0.06687	0.10161 0.07627	0.07347 0.07449	0.06147 0.07390	0.06954	0.07154	AVRG		0.07435		15.04325	
Tert-butyl alcohol	NE 592187	6757 1263261	16016 1948328	34487 2615413	66425	255911	LINR	-0.09917	0.04597		0.99942	
Diethyl ether	NE 0.32639	0.41853 0.34643	0.29113 0.34449	0.31214 0.33721	0.34912	0.31512	AVRG		0.33784		10.59316	
1,3-Butadiene	NE 0.48722	0.44026 0.50601	0.41436 0.49354	0.42154 0.49579	0.49134	0.51162	AVRG		0.47352		7.90782	
Cyclohexane	NE 384146	4345 872566	7781 1346053	8877 1948136	37840	190495	QUAD	0.00384	1.66261	-0.06851	0.99933	
Tetrahydrofuran	NE 124830	1846 246154	3378 364883	4068 488623	13490	48081	LINR	-0.04721	0.08627		0.99868	
alpha-Methylstyrene	NE 398013	3201 939505	6428 1521945	14955 2162870	33946	141914	LINR	0.07068	1.00922		0.99634	
Diisopropyl ether	NE 1.33854	1.62723 1.40873	1.35167 1.38423	1.35708 1.35239	1.43176	1.29604	AVRG		1.39419		6.88405	
Dichlorofluoromethane	NE 0.68369	1.14419 0.72055	154 0.71841	259 0.70435	0.74302	0.65918	AVRG		46.48926		203	*
Butyl acrylate	NE 0.56545	0.65141 0.62687	0.57943 0.64178	0.50180 0.63283	0.56456	0.55884	AVRG		0.59144		8.39860	
Dicyclopentadiene	NE 2.17722	2.29788 2.45924	3.10552 2.50496	2.30282 2.43925	2.47288	2.19129	AVRG		2.43901		11.40017	
1,2,3-Trimethylbenzene	NE 1.72212	2.16993 1.82789	2.16879 1.86297	1.86768 1.91009	2.05701	1.71103	AVRG		1.92195		9.02117	

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Ethanol	NE 83818	929 175232	2663 261491	4910 342926	9968	33180	LINR	-0.45661	0.00610		0.99807	
tert-Butyl formate	NE 0.35469	NE 0.39711	70.88590 0.40728	111 0.40312	0.37084	0.36100	AVRG		23.05896		188	*
3,3-Dimethyl-1-butanol	NE 0.03321	0.12053 0.03570	15.41396 0.03539	18.45449 0.03515	0.03977	0.03772	AVRG		3.80066		197	*
tert-Amyl methyl ether	NE 1.27072	2.14082 1.66952	303 1.69353	515 1.68414	1.51794	1.20622	AVRG		92.03003		203	*
tert-Butyl ethyl ether	NE 1.16135	1.66370 1.24096	249 1.23931	427 1.22143	1.20218	1.12101	AVRG		76.03857		204	*
tert-Amyl alcohol	NE 0.03547	0.04913 0.03971	7.08859 0.04073	11.12917 0.04031	0.03708	0.03610	AVRG		2.05514		201	*
Epichlorohydrin	NE 17348	NE 42530	230 78090	854 120896	2028	5384	QUAD	0.19276	210	-620	0.99786	*
Isoprene	NE 0.12271	0.17622 0.12050	24.46517 0.11801	42.70055 0.13763	0.11208	0.12455	AVRG		7.56416		204	*
n-Amyl acetate	NE 0.55364	NE 0.58593	NE 0.59354	211 0.58358	0.63545	0.57662	AVRG		30.68893		260	*
Isopropyl acetate	NE 0.98722	1.34246 1.04945	418 1.03674	509 1.02205	1.01129	0.99086	AVRG		104		198	*
n-Butyl acetate	NE 0.55036	0.55703 0.58437	0.53651 0.60799	0.60175 0.59915	0.53866	0.54802	AVRG		0.56932		5.06190	
Acetaldehyde	NE 0.06756	NE 0.07481	NE 0.07268	NE 0.07068	0.05587	0.07216	AVRG		0.06896		9.93199	*

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Methyl Amyl Ketone	NE 0.66113	1.57193 0.70193	232 0.68889	332 0.68782	0.72364	0.69666	AVRG		63.26693		200	*
Dimethyl Disulfide	NE 275143	1341 843448	2841 1542342	4598 2303909	15263	75368	QUAD	0.09069	2.54687	-0.35667	0.99436	
2-Ethylhexyl Acrylate	NE 214955	2309 534360	4963 905239	8201 1300346	19373	70007	QUAD	0.03475	2.11188	-0.20750	0.99843	
1,2-Dichloroethylene (total)	NE 0.45707	0.49071 0.45603	0.42948 0.44777	0.42853 0.45077	0.46591	0.45312	AVRG		0.45327		4.12637	
Xylenes (total)	NE 0.53378	0.46723 0.57391	0.43600 0.57061	0.43592 0.57101	0.45257	0.49964	AVRG		0.50452		11.72066	
Dibromofluoromethane	NE 271537	3644 587291	5853 869167	10602 1189943	30229	119153	LINR	-0.00632	0.41704		0.99929	
1,2-Dichloroethane-d4	NE 303470	3795 630129	6027 944002	11855 1273587	34153	129564	LINR	-0.01366	0.44800		0.99930	
Toluene-d8	NE 1.07251	1.56295 1.11768	1.00002 1.06933	1.01159 1.04518	1.14526	1.16028	AVRG		1.13164		15.10726	
4-Bromofluorobenzene	NE 425877	5007 923899	8608 1355424	16728 1832443	49215	178335	LINR	-0.01813	0.43793		0.99886	

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Form 6I

Initial Calibration Verification (ICV)

Volatiles by EPA 8260

Workorder

HS23060596

Client

Bhate Environmental Associates, Inc.

Project

LHAAP-58

06/16/2023

ALS Environmental–Houston Laboratory

10450 Stancliff Road, Suite 210, Houston, TX 77099

Phone (281) 530-5656 Fax (281) 530-5887

www.alsglobal.com

Initial Calibration Verification (ICV)

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder HS23060596

RunID VOA9_437296

Instrument ID VOA9.i ICAL Date 06-JUN-2023
Lab File ID U060616.D ICAL Time 1435
?VAL? ?VAL? Conc Units ug/L
Analysis Type VOA Level LOW

Compound	Amount Added	Amount Recovered	% Recovered	Limits	Q
1,1,1,2-Tetrachlor	50.00	49.07	98.15	80-120	
1,1,1-Trichloroeth	50.00	44.11	88.23	80-120	
1,1,2,2-Tetrachlor	50.00	44.15	88.32	80-120	
Freon TF	50.00	42.50	85.01	80-120	
Methyl Acetate	50.00	40.70	81.42	80-120	
Cyclohexane	50.00	42.07	84.15	80-120	
Methylcyclohexane	50.00	46.30	92.61	80-120	
Carbon Disulfide	100.00	93.13	93.14	80-120	
2-Hexanone	100.00	92.61	92.61	80-120	
1,1,2-Trichloroeth	50.00	45.65	91.32	80-120	
1,1-Dichloroethane	50.00	41.14	82.28	80-120	
1,1-Dichloroethene	50.00	43.45	86.92	80-120	
1,1-Dichloropropen	50.00	45.66	91.33	80-120	
1,2,3-Trichloroben	50.00	47.31	94.63	80-120	
1,2,3-Trichloropro	50.00	45.92	91.85	80-120	
1,2,4-Trichloroben	50.00	47.57	95.14	80-120	
1,2,4-Trimethylben	50.00	47.79	95.60	80-120	
1,2-Dibromo-3-Chlo	50.00	47.57	95.14	80-120	
1,2-Dibromoethane	50.00	45.60	91.22	80-120	
Acrolein	100.00	87.41	87.42	80-120	
Acrylonitrile	100.00	91.25	91.25	80-120	
1,2-Dichlorobenzen	50.00	45.26	90.54	80-120	
1,2-Dichloroethane	50.00	44.18	88.38	80-120	
1,2-Dichloropropan	50.00	45.23	90.47	80-120	
1,3,5-Trimethylben	50.00	48.21	96.43	80-120	
1,3-Dichlorobenzen	50.00	46.22	92.45	80-120	
1,3-Dichloropropan	50.00	47.41	94.82	80-120	
1,4-Dichlorobenzen	50.00	44.52	89.05	80-120	
1-Chlorohexane	50.00	40.85	81.71	80-120	
2,2-Dichloropropan	50.00	45.93	91.87	80-120	
2-Butanone	100.00	87.11	87.11	80-120	
2-Chloroethylvinyl	100.00	82.24	82.24	80-120	
2-Chlorotoluene	50.00	46.75	93.51	80-120	
4-Chlorotoluene	50.00	48.40	96.80	80-120	

Initial Calibration Verification (ICV)

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder HS23060596

RunID VOA9_437296

Instrument ID VOA9.i ICAL Date 06-JUN-2023
Lab File ID U060616.D ICAL Time 1435
?VAL? ?VAL? Conc Units ug/L
Analysis Type VOA Level LOW

Compound	Amount Added	Amount Recovered	% Recovered	Limits	Q
p-Isopropyltoluene	50.00	48.52	97.04	80-120	
4-Methyl-2-Pentano	100.00	97.72	97.73	80-120	
Acetone	100.00	95.43	95.43	80-120	
Acetonitrile	500.00	437.35	87.47	80-120	
Allyl Chloride	50.00	43.46	86.94	80-120	
Benzene	50.00	46.31	92.63	80-120	
Bromobenzene	50.00	45.71	91.42	80-120	
Bromochloromethane	50.00	44.93	89.87	80-120	
Bromodichlorometha	50.00	47.72	95.44	80-120	
Bromoform	50.00	51.02	102.05	80-120	
Bromomethane	50.00	55.03	110.08	80-120	
Carbon Tetrachlori	50.00	44.38	88.77	80-120	
Chlorobenzene	50.00	45.99	91.98	80-120	
Chloroethane	50.00	43.12	86.25	80-120	
Chloroform	50.00	43.97	87.95	80-120	
Chloromethane	50.00	40.39	80.80	80-120	
Chloroprene	50.00	42.86	85.72	80-120	
cis-1,2-Dichloroet	50.00	44.27	88.55	80-120	
cis-1,3-Dichloropr	50.00	44.95	89.92	80-120	
Dibromochlorometha	50.00	51.79	103.58	80-120	
Dibromomethane	50.00	45.22	90.46	80-120	
Dichlorodifluorome	50.00	43.44	86.88	80-120	
Ethylbenzene	50.00	48.34	96.69	80-120	
Ethyl Methacrylate	50.00	48.75	97.51	80-120	
Iodomethane	100.00	85.89	85.90	80-120	
Isobutyl Alcohol	1000.00	1063.31	106.33	70-130	
Propionitrile	500.00	447.35	89.47	70-130	
Hexachlorobutadien	50.00	42.50	85.02	80-120	
Isopropylbenzene	50.00	48.91	97.84	80-120	
m,p-Xylenes	100.00	101.18	101.18	80-120	
Methyl tert-butyl	50.00	45.15	90.31	80-120	
Methylene Chloride	50.00	45.61	91.23	80-120	
Methacrylonitrile	50.00	47.68	95.38	80-120	
Methyl Methacrylat	50.00	47.58	95.17	80-120	

Initial Calibration Verification (ICV)

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder HS23060596

RunID VOA9_437296

Instrument ID VOA9.i ICAL Date 06-JUN-2023
Lab File ID U060616.D ICAL Time 1435
?VAL? ?VAL? Conc Units ug/L
Analysis Type VOA Level LOW

Compound	Amount Added	Amount Recovered	% Recovered	Limits	Q
n-Butylbenzene	50.00	45.82	91.65	80-120	
n-Propylbenzene	50.00	49.51	99.02	80-120	
Naphthalene	50.00	51.00	102.01	80-120	
o-Xylene	50.00	50.13	100.28	80-120	
sec-Butylbenzene	50.00	46.73	93.47	80-120	
Styrene	50.00	52.92	105.84	80-120	
tert-Butylbenzene	50.00	46.65	93.31	80-120	
Tetrachloroethene	50.00	45.52	91.06	80-120	
Toluene	50.00	48.10	96.21	80-120	
trans-1,2-Dichloro	50.00	45.42	90.85	80-120	
trans-1,3-Dichloro	50.00	44.23	88.46	80-120	
trans-1,4-Dichloro	50.00	54.24	108.49	80-120	
Trichloroethene	50.00	44.64	89.28	80-120	
Trichlorofluoromet	50.00	43.95	87.91	80-120	
Vinyl Acetate	100.00	93.22	93.22	80-120	
Vinyl Chloride	50.00	44.59	89.20	80-120	
1,2-Dichloroethyle	100.00	89.70	89.70	80-120	
Xylenes (total)	150.00	151.32	100.88	80-120	
1,4-Dioxane	1000.00	611.64	61.16*	80-120	
Dibromofluorometha	50.00	48.55	97.12	71-125	
1,2-Dichloroethane	50.00	47.70	95.40	70-125	
Toluene-d8	50.00	51.59	103.20	75-125	
4-Bromofluorobenze	50.00	51.30	102.61	72-125	

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Form 7

Continuing Calibration Verification (CCV)

Volatiles by EPA 8260

Workorder

HS23060596

Client

Bhate Environmental Associates, Inc.

Project

LHAAP-58

06/16/2023

ALS Environmental–Houston Laboratory

10450 Stancliff Road, Suite 210, Houston, TX 77099

Phone (281) 530-5656 Fax (281) 530-5887

www.alsglobal.com

Continuing Calibration Verification (CCV)

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder HS23060596

RunID VOA9_437771

Instrument ID VOA9.i Injection Date 13-JUN-2023 1149
Lab File ID U061303.D ICAL Date(s) 06-JUN-2023 06-JUN-2023
Analysis Type WATER ICAL Times 1115 1541
Lab Sample ID CCV Quant Type ISTD

Compound	$\overline{RRF}$ / Amount	RF50	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
Dichlorodifluoromethane	50.0	47.93271	0.44284	0.100	4.13458	20.0	Linear	
Chloromethane	50.0	44.02774	0.66639	0.100	11.94451	20.0	Linear	
Vinyl Chloride	0.52887	0.50480	0.50480	0.100	4.55150	20.0	Averaged	
Bromomethane	50.0	50.15208	0.27274	0.100	-0.30415	20.0	Linear	
Chloroethane	0.35626	0.32787	0.32787	0.100	7.96956	20.0	Averaged	
Trichlorofluoromethane	0.60742	0.61783	0.61783	0.100	-1.71341	20.0	Averaged	
Acrolein	0.02654	0.02328	0.02328	0.010	12.26301	20.0	Averaged	
Acetone	100	108	0.18518	0.100	-8.28547	20.0	Linear	
1,1-Dichloroethene	0.37953	0.35356	0.35356	0.100	6.84326	20.0	Averaged	
Iodomethane	100	94.73612	0.28062	0.100	5.26388	20.0	Quadratic	
Acrylonitrile	0.18542	0.17720	0.17720	0.050	4.43410	20.0	Averaged	
Methylene Chloride	50.0	49.31622	0.44987	0.100	1.36756	20.0	Linear	
Methyl tert-butyl ether	1.16385	1.06467	1.06467	0.100	8.52167	20.0	Averaged	
Carbon Disulfide	1.01461	1.01820	1.01820	0.100	-0.35341	20.0	Averaged	
trans-1,2-Dichloroethene	0.41275	0.39849	0.39849	0.100	3.45401	20.0	Averaged	
Vinyl Acetate	1.25818	1.19489	1.19489	0.010	5.03072	20.0	Averaged	
1,1-Dichloroethane	0.78439	0.71003	0.71003	0.200	9.48055	20.0	Averaged	
2-Butanone	0.22797	0.20147	0.20147	0.100	11.62240	20.0	Averaged	
2,2-Dichloropropane	50.0	51.47191	0.53400	0.100	-2.94382	20.0	Linear	
cis-1,2-Dichloroethene	0.49378	0.44104	0.44104	0.100	10.68225	20.0	Averaged	
Chloroform	0.81639	0.75779	0.75779	0.200	7.17737	20.0	Averaged	
Bromochloromethane	0.27621	0.24024	0.24024	0.100	13.02122	20.0	Averaged	
Dibromofluoromethane	50.0	49.31563	0.41397	0.100	1.36874	20.0	Linear	
1,1,1-Trichloroethane	0.62223	0.59560	0.59560	0.100	4.27913	20.0	Averaged	
1,1-Dichloropropene	0.36644	0.37606	0.37606	0.100	-2.62624	20.0	Averaged	
1,2-Dichloroethane	0.43276	0.41573	0.41573	0.100	3.93597	20.0	Averaged	
Carbon Tetrachloride	0.33660	0.35040	0.35040	0.100	-4.09976	20.0	Averaged	
1,2-Dichloroethane-d4	50.0	47.61916	0.43279	0.100	4.76168	20.0	Linear	
Benzene	1.20483	1.19180	1.19180	0.500	1.08086	20.0	Averaged	
Trichloroethene	0.34921	0.33780	0.33780	0.200	3.26615	20.0	Averaged	
Bromodichloromethane	0.37583	0.38384	0.38384	0.200	-2.13068	20.0	Averaged	
2-Chloroethylvinyl ether	0.00909	0.00729	0.00729	0.001	19.83169	20.0	Averaged	
1,2-Dichloropropane	0.32169	0.31675	0.31675	0.100	1.53430	20.0	Averaged	
Dibromomethane	0.20554	0.19680	0.19680	0.100	4.25442	20.0	Averaged	

Continuing Calibration Verification (CCV)

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder HS23060596

RunID VOA9_437771

Instrument ID VOA9.i Injection Date 13-JUN-2023 1149
Lab File ID U061303.D ICAL Date(s) 06-JUN-2023 06-JUN-2023
Analysis Type WATER ICAL Times 1115 1541
Lab Sample ID CCV Quant Type ISTD

Compound	$\overline{RRF}$ / Amount	RF50	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
4-Methyl-2-Pentanone	0.36411	0.36254	0.36254	0.100	0.42910	20.0	Averaged	
cis-1,3-Dichloropropene	50.0	47.11588	0.47332	0.200	5.76823	20.0	Linear	
Toluene-d8	1.13164	1.16587	1.16587	0.100	-3.02414	20.0	Averaged	
Toluene	1.35612	1.38108	1.38108	0.400	-1.84047	20.0	Averaged	
trans-1,3-Dichloropropene	50.0	46.56738	0.39239	0.100	6.86524	20.0	Linear	
2-Hexanone	0.25357	0.24509	0.24509	0.100	3.34494	20.0	Averaged	
1,1,2-Trichloroethane	0.28217	0.26654	0.26654	0.100	5.53872	20.0	Averaged	
1,3-Dichloropropane	0.57650	0.56636	0.56636	0.100	1.75933	20.0	Averaged	
Dibromochloromethane	0.33480	0.36413	0.36413	0.100	-8.76003	20.0	Averaged	
Tetrachloroethene	0.33041	0.32351	0.32351	0.200	2.08745	20.0	Averaged	
1,2-Dibromoethane	0.34808	0.33326	0.33326	0.100	4.25813	20.0	Averaged	
1-Chlorohexane	0.25674	0.24397	0.24397	0.100	4.97392	20.0	Averaged	
Chlorobenzene	0.96786	0.94105	0.94105	0.500	2.76974	20.0	Averaged	
1,1,1,2-Tetrachloroethane	0.33265	0.34121	0.34121	0.100	-2.57195	20.0	Averaged	
Ethylbenzene	0.45047	0.46048	0.46048	0.100	-2.22162	20.0	Averaged	
m,p-Xylenes	0.53296	0.56950	0.56950	0.100	-6.85559	20.0	Averaged	
o-Xylene	0.52651	0.55466	0.55466	0.300	-5.34670	20.0	Averaged	
Styrene	0.83556	0.92266	0.92266	0.300	-10.42440	20.0	Averaged	
Bromoform	0.22599	0.24289	0.24289	0.100	-7.47874	20.0	Averaged	
Isopropylbenzene	1.26463	1.33041	1.33041	0.100	-5.20190	20.0	Averaged	
1,1,2,2-Tetrachloroethane	0.94051	0.86500	0.86500	0.300	8.02932	20.0	Averaged	
4-Bromofluorobenzene	50.0	52.15763	0.46477	0.100	-4.31526	20.0	Linear	
1,2,3-Trichloropropane	0.82740	0.78603	0.78603	0.100	5.00001	20.0	Averaged	
n-Propylbenzene	2.62266	2.75949	2.75949	0.100	-5.21733	20.0	Averaged	
Bromobenzene	0.84363	0.81269	0.81269	0.100	3.66743	20.0	Averaged	
1,3,5-Trimethylbenzene	1.79927	1.81778	1.81778	0.100	-1.02919	20.0	Averaged	
2-Chlorotoluene	1.84364	1.84051	1.84051	0.100	0.17009	20.0	Averaged	
4-Chlorotoluene	2.04071	2.05695	2.05695	0.100	-0.79591	20.0	Averaged	
tert-Butylbenzene	1.76718	1.80272	1.80272	0.100	-2.01124	20.0	Averaged	
1,2,4-Trimethylbenzene	1.88261	1.84017	1.84017	0.100	2.25435	20.0	Averaged	
sec-Butylbenzene	2.24110	2.31964	2.31964	0.100	-3.50497	20.0	Averaged	
p-Isopropyltoluene	1.87752	1.95227	1.95227	0.100	-3.98139	20.0	Averaged	
1,3-Dichlorobenzene	1.43286	1.38771	1.38771	0.600	3.15156	20.0	Averaged	
1,4-Dichlorobenzene	1.52773	1.45229	1.45229	0.400	4.93808	20.0	Averaged	

Continuing Calibration Verification (CCV)

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

RunID
VOA9_437771

Instrument ID VOA9.i Injection Date 13-JUN-2023 1149
Lab File ID U061303.D ICAL Date(s) 06-JUN-2023 06-JUN-2023
Analysis Type WATER ICAL Times 1115 1541
Lab Sample ID CCV Quant Type ISTD

Compound	$\overline{RRF}$ / Amount	RF50	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
n-Butylbenzene	1.60731	1.63763	1.63763	0.500	-1.88647	20.0	Averaged	
1,2-Dichlorobenzene	1.43664	1.37089	1.37089	0.400	4.57717	20.0	Averaged	
1,2-Dibromo-3-Chloropropane	0.13724	0.13577	0.13577	0.050	1.07329	20.0	Averaged	
1,2,4-Trichlorobenzene	0.98816	0.97301	0.97301	0.200	1.53398	20.0	Averaged	
Hexachlorobutadiene	0.39906	0.39652	0.39652	0.100	0.63653	20.0	Averaged	
Naphthalene	2.29538	2.37872	2.37872	0.200	-3.63097	20.0	Averaged	
1,2,3-Trichlorobenzene	0.96603	0.92517	0.92517	0.100	4.23022	20.0	Averaged	
1,2-Dichloroethylene (total	0.45327	0.41976	0.41976	0.200	7.39121	20.0	Averaged	
Xylenes (total)	0.50452	0.53088	0.53088	0.100	-5.22578	20.0	Averaged	
1,4-Dioxane	0.00993	0.00611	0.00611	0.001	38.43241	20.0	Averaged	<-
Cyclohexane	50.0	47.64140	0.58488	0.100	4.71721	20.0	Quadratic	
Freon TF	0.33580	0.32699	0.32699	0.100	2.62391	20.0	Averaged	
1,3-Butadiene	0.47352	0.47361	0.47361	0.100	-0.01895	20.0	Averaged	
Methylcyclohexane	0.69360	0.67458	0.67458	0.100	2.74266	20.0	Averaged	
Methyl Acetate	0.42100	0.37761	0.37761	0.100	10.30652	20.0	Averaged	
Tert-butyl alcohol	1000	976	0.04511	0.005	2.36571	20.0	Linear	
Isopropyl alcohol	0.03269	0.02916	0.02916	0.005	10.77569	20.0	Averaged	
trans-1,4-Dichloro-2-butene	0.05757	0.05643	0.05643	0.050	1.97449	20.0	Averaged	
Isobutyl Alcohol	0.06496	0.07264	0.07264	0.005	-11.81260	20.0	Averaged	
Acetonitrile	0.05413	0.05075	0.05075	0.005	6.25021	20.0	Averaged	
Allyl Chloride	1.29812	1.18445	1.18445	0.100	8.75673	20.0	Averaged	
Methacrylonitrile	0.29541	0.27156	0.27156	0.100	8.07213	20.0	Averaged	
Methyl Methacrylate	0.42991	0.41795	0.41795	0.100	2.78275	20.0	Averaged	
Propionitrile	0.07225	0.06453	0.06453	0.010	10.68218	20.0	Averaged	
Acetaldehyde	0.06896	0.07628	0.07628	0.001	-10.60932	20.0	Averaged	
Cyclohexanone	0.03100	0.03114	0.03114	0.005	-0.45000	20.0	Averaged	
Epichlorohydrin	200	166	0.00391	0.001	16.83487	20.0	Quadratic	
n-Hexane	50.0	52.50305	0.43954	0.100	-5.00610	20.0	Quadratic	

Continuing Calibration Verification (CCV)

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

RunID
VOA9_437771

Instrument ID VOA9.i Injection Date 13-JUN-2023 2018
Lab File ID U061324.D ICAL Date(s) 06-JUN-2023 06-JUN-2023
Analysis Type WATER ICAL Times 1115 1541
Lab Sample ID CCV-END Quant Type ISTD

Compound	$\overline{RRF}$ / Amount	RF50	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
Dichlorodifluoromethane	50.0	47.70228	0.44071	0.100	4.59545	50.0	Linear	
Chloromethane	50.0	50.34847	0.75922	0.100	-0.69695	50.0	Linear	
Vinyl Chloride	0.52887	0.52454	0.52454	0.100	0.81902	50.0	Averaged	
Bromomethane	50.0	60.01725	0.32449	0.100	-20.03451	50.0	Linear	
Chloroethane	0.35626	0.36706	0.36706	0.100	-3.02953	50.0	Averaged	
Trichlorofluoromethane	0.60742	0.70516	0.70516	0.100	-16.09155	50.0	Averaged	
Acrolein	0.02654	0.03090	0.03090	0.010	-16.44669	50.0	Averaged	
Acetone	100	110	0.18752	0.100	-9.72250	50.0	Linear	
1,1-Dichloroethene	0.37953	0.39979	0.39979	0.100	-5.33918	50.0	Averaged	
Iodomethane	100	84.17245	0.24417	0.100	15.82755	50.0	Quadratic	
Acrylonitrile	0.18542	0.21142	0.21142	0.050	-14.01954	50.0	Averaged	
Methylene Chloride	50.0	56.35883	0.51280	0.100	-12.71765	50.0	Linear	
Methyl tert-butyl ether	1.16385	1.34942	1.34942	0.100	-15.94445	50.0	Averaged	
Carbon Disulfide	1.01461	1.12305	1.12305	0.100	-10.68720	50.0	Averaged	
trans-1,2-Dichloroethene	0.41275	0.44474	0.44474	0.100	-7.75056	50.0	Averaged	
Vinyl Acetate	1.25818	1.15934	1.15934	0.010	7.85559	50.0	Averaged	
1,1-Dichloroethane	0.78439	0.81436	0.81436	0.200	-3.82076	50.0	Averaged	
2-Butanone	0.22797	0.23012	0.23012	0.100	-0.94476	50.0	Averaged	
2,2-Dichloropropane	50.0	50.73951	0.52634	0.100	-1.47903	50.0	Linear	
cis-1,2-Dichloroethene	0.49378	0.52274	0.52274	0.100	-5.86310	50.0	Averaged	
Chloroform	0.81639	0.87937	0.87937	0.200	-7.71504	50.0	Averaged	
Bromochloromethane	0.27621	0.28403	0.28403	0.100	-2.83214	50.0	Averaged	
Dibromofluoromethane	50.0	54.43537	0.45668	0.100	-8.87074	50.0	Linear	
1,1,1-Trichloroethane	0.62223	0.69259	0.69259	0.100	-11.30788	50.0	Averaged	
1,1-Dichloropropene	0.36644	0.37421	0.37421	0.100	-2.12190	50.0	Averaged	
1,2-Dichloroethane	0.43276	0.47438	0.47438	0.100	-9.61642	50.0	Averaged	
Carbon Tetrachloride	0.33660	0.37082	0.37082	0.100	-10.16662	50.0	Averaged	
1,2-Dichloroethane-d4	50.0	59.16427	0.53623	0.100	-18.32853	50.0	Linear	
Benzene	1.20483	1.19977	1.19977	0.500	0.41938	50.0	Averaged	
Trichloroethene	0.34921	0.36119	0.36119	0.200	-3.43128	50.0	Averaged	
Bromodichloromethane	0.37583	0.41352	0.41352	0.200	-10.02771	50.0	Averaged	
2-Chloroethylvinyl ether	0.00909	0.00520	0.00520	0.001	42.76266	50.0	Averaged	
1,2-Dichloropropane	0.32169	0.32566	0.32566	0.100	-1.23382	50.0	Averaged	
Dibromomethane	0.20554	0.22037	0.22037	0.100	-7.21337	50.0	Averaged	

Continuing Calibration Verification (CCV)

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder HS23060596

RunID VOA9_437771

Instrument ID VOA9.i Injection Date 13-JUN-2023 2018
Lab File ID U061324.D ICAL Date(s) 06-JUN-2023 06-JUN-2023
Analysis Type WATER ICAL Times 1115 1541
Lab Sample ID CCV-END Quant Type ISTD

Compound	$\overline{RRF}$ / Amount	RF50	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
4-Methyl-2-Pentanone	0.36411	0.37618	0.37618	0.100	-3.31494	50.0	Averaged	
cis-1,3-Dichloropropene	50.0	47.10054	0.47316	0.200	5.79893	50.0	Linear	
Toluene-d8	1.13164	1.17147	1.17147	0.100	-3.51955	50.0	Averaged	
Toluene	1.35612	1.40540	1.40540	0.400	-3.63386	50.0	Averaged	
trans-1,3-Dichloropropene	50.0	48.42497	0.40875	0.100	3.15006	50.0	Linear	
2-Hexanone	0.25357	0.24740	0.24740	0.100	2.43386	50.0	Averaged	
1,1,2-Trichloroethane	0.28217	0.28167	0.28167	0.100	0.17693	50.0	Averaged	
1,3-Dichloropropane	0.57650	0.58089	0.58089	0.100	-0.76179	50.0	Averaged	
Dibromochloromethane	0.33480	0.37958	0.37958	0.100	-13.37485	50.0	Averaged	
Tetrachloroethene	0.33041	0.33577	0.33577	0.200	-1.62345	50.0	Averaged	
1,2-Dibromoethane	0.34808	0.35559	0.35559	0.100	-2.15896	50.0	Averaged	
1-Chlorohexane	0.25674	0.24265	0.24265	0.100	5.48910	50.0	Averaged	
Chlorobenzene	0.96786	0.95591	0.95591	0.500	1.23475	50.0	Averaged	
1,1,1,2-Tetrachloroethane	0.33265	0.36175	0.36175	0.100	-8.74643	50.0	Averaged	
Ethylbenzene	0.45047	0.46410	0.46410	0.100	-3.02547	50.0	Averaged	
m,p-Xylenes	0.53296	0.56405	0.56405	0.100	-5.83248	50.0	Averaged	
o-Xylene	0.52651	0.54898	0.54898	0.300	-4.26682	50.0	Averaged	
Styrene	0.83556	0.91045	0.91045	0.300	-8.96235	50.0	Averaged	
Bromoform	0.22599	0.24981	0.24981	0.100	-10.54152	50.0	Averaged	
Isopropylbenzene	1.26463	1.34022	1.34022	0.100	-5.97758	50.0	Averaged	
1,1,2,2-Tetrachloroethane	0.94051	0.85311	0.85311	0.300	9.29310	50.0	Averaged	
4-Bromofluorobenzene	50.0	54.07281	0.48154	0.100	-8.14562	50.0	Linear	
1,2,3-Trichloropropane	0.82740	0.79671	0.79671	0.100	3.70947	50.0	Averaged	
n-Propylbenzene	2.62266	2.67823	2.67823	0.100	-2.11889	50.0	Averaged	
Bromobenzene	0.84363	0.82212	0.82212	0.100	2.55065	50.0	Averaged	
1,3,5-Trimethylbenzene	1.79927	1.74411	1.74411	0.100	3.06528	50.0	Averaged	
2-Chlorotoluene	1.84364	1.84183	1.84183	0.100	0.09842	50.0	Averaged	
4-Chlorotoluene	2.04071	2.09369	2.09369	0.100	-2.59618	50.0	Averaged	
tert-Butylbenzene	1.76718	1.76492	1.76492	0.100	0.12772	50.0	Averaged	
1,2,4-Trimethylbenzene	1.88261	1.72519	1.72519	0.100	8.36184	50.0	Averaged	
sec-Butylbenzene	2.24110	2.21557	2.21557	0.100	1.13905	50.0	Averaged	
p-Isopropyltoluene	1.87752	1.76950	1.76950	0.100	5.75335	50.0	Averaged	
1,3-Dichlorobenzene	1.43286	1.38167	1.38167	0.600	3.57258	50.0	Averaged	
1,4-Dichlorobenzene	1.52773	1.44111	1.44111	0.400	5.67023	50.0	Averaged	

Continuing Calibration Verification (CCV)

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

RunID
VOA9_437771

Instrument ID VOA9.i Injection Date 13-JUN-2023 2018
Lab File ID U061324.D ICAL Date(s) 06-JUN-2023 06-JUN-2023
Analysis Type WATER ICAL Times 1115 1541
Lab Sample ID CCV-END Quant Type ISTD

Compound	$\overline{RRF}$ / Amount	RF50	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
n-Butylbenzene	1.60731	1.48218	1.48218	0.500	7.78493	50.0	Averaged	
1,2-Dichlorobenzene	1.43664	1.40598	1.40598	0.400	2.13459	50.0	Averaged	
1,2-Dibromo-3-Chloropropane	0.13724	0.13148	0.13148	0.050	4.19782	50.0	Averaged	
1,2,4-Trichlorobenzene	0.98816	0.90682	0.90682	0.200	8.23149	50.0	Averaged	
Hexachlorobutadiene	0.39906	0.34835	0.34835	0.100	12.70698	50.0	Averaged	
Naphthalene	2.29538	2.28873	2.28873	0.200	0.28966	50.0	Averaged	
1,2,3-Trichlorobenzene	0.96603	0.89022	0.89022	0.100	7.84791	50.0	Averaged	
1,2-Dichloroethylene (total	0.45327	0.48374	0.48374	0.200	-6.72247	50.0	Averaged	
Xylenes (total)	0.50452	0.54663	0.54663	0.100	-8.34651	50.0	Averaged	
1,4-Dioxane	0.00993	0.00672	0.00672	0.001	32.32014	50.0	Averaged	
Cyclohexane	50.0	43.91576	0.53789	0.100	12.16848	50.0	Quadratic	
Freon TF	0.33580	0.34829	0.34829	0.100	-3.71749	50.0	Averaged	
1,3-Butadiene	0.47352	0.46208	0.46208	0.100	2.41528	50.0	Averaged	
Methylcyclohexane	0.69360	0.72473	0.72473	0.100	-4.48859	50.0	Averaged	
Methyl Acetate	0.42100	0.45989	0.45989	0.100	-9.23700	50.0	Averaged	
Tert-butyl alcohol	1000	1155	0.05332	0.005	-15.49901	50.0	Linear	
Isopropyl alcohol	0.03269	0.03429	0.03429	0.005	-4.91258	50.0	Averaged	
trans-1,4-Dichloro-2-butene	0.05757	0.05993	0.05993	0.050	-4.09418	50.0	Averaged	
Isobutyl Alcohol	0.06496	0.08558	0.08558	0.005	-31.73142	50.0	Averaged	
Acetonitrile	0.05413	0.06458	0.06458	0.005	-19.30528	50.0	Averaged	
Allyl Chloride	1.29812	1.40177	1.40177	0.100	-7.98470	50.0	Averaged	
Methacrylonitrile	0.29541	0.33103	0.33103	0.100	-12.05747	50.0	Averaged	
Methyl Methacrylate	0.42991	0.50876	0.50876	0.100	-18.34030	50.0	Averaged	
Propionitrile	0.07225	0.07973	0.07973	0.010	-10.35617	50.0	Averaged	
Acetaldehyde	0.06896	++++	1.282e+66	0.001	++++	50.0	Averaged	<-
Cyclohexanone	0.03100	0.02429	0.02429	0.005	21.63164	50.0	Averaged	
Epichlorohydrin	200	134	0.00308	0.001	32.85306	50.0	Quadratic	
n-Hexane	++++	++++	1.282e+66	0.100	++++	50.0	Quadratic	<-

Continuing Calibration Verification (CCV)

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder HS23060596

RunID VOA9_437981

Instrument ID VOA9.i Injection Date 15-JUN-2023 1204
Lab File ID U061502.D ICAL Date(s) 06-JUN-2023 06-JUN-2023
Analysis Type WATER ICAL Times 1115 1541
Lab Sample ID CCV Quant Type ISTD

Compound	$\overline{RRF}$ / Amount	RF50	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
Dichlorodifluoromethane	50.0	49.55024	0.45781	0.100	0.89953	20.0	Linear	
Chloromethane	50.0	43.12775	0.65318	0.100	13.74451	20.0	Linear	
Vinyl Chloride	0.52887	0.49314	0.49314	0.100	6.75602	20.0	Averaged	
Bromomethane	50.0	58.13535	0.31462	0.100	-16.27070	20.0	Linear	
Chloroethane	0.35626	0.32900	0.32900	0.100	7.65265	20.0	Averaged	
Trichlorofluoromethane	0.60742	0.71736	0.71736	0.100	-18.09922	20.0	Averaged	
Acrolein	0.02654	0.02445	0.02445	0.010	7.86792	20.0	Averaged	
Acetone	100	100	0.17190	0.100	-0.11133	20.0	Linear	
1,1-Dichloroethene	0.37953	0.37652	0.37652	0.100	0.79395	20.0	Averaged	
Iodomethane	100	96.22802	0.28581	0.100	3.77198	20.0	Quadratic	
Acrylonitrile	0.18542	0.18479	0.18479	0.050	0.34261	20.0	Averaged	
Methylene Chloride	50.0	51.81822	0.47223	0.100	-3.63643	20.0	Linear	
Methyl tert-butyl ether	1.16385	1.21816	1.21816	0.100	-4.66675	20.0	Averaged	
Carbon Disulfide	1.01461	1.04238	1.04238	0.100	-2.73695	20.0	Averaged	
trans-1,2-Dichloroethene	0.41275	0.42248	0.42248	0.100	-2.35890	20.0	Averaged	
Vinyl Acetate	1.25818	1.35962	1.35962	0.010	-8.06214	20.0	Averaged	
1,1-Dichloroethane	0.78439	0.75822	0.75822	0.200	3.33627	20.0	Averaged	
2-Butanone	0.22797	0.21013	0.21013	0.100	7.82329	20.0	Averaged	
2,2-Dichloropropane	50.0	58.29841	0.60538	0.100	-16.59682	20.0	Linear	
cis-1,2-Dichloroethene	0.49378	0.48776	0.48776	0.100	1.21974	20.0	Averaged	
Chloroform	0.81639	0.84115	0.84115	0.200	-3.03398	20.0	Averaged	
Bromochloromethane	0.27621	0.25868	0.25868	0.100	6.34528	20.0	Averaged	
Dibromofluoromethane	50.0	51.66336	0.43356	0.100	-3.32671	20.0	Linear	
1,1,1-Trichloroethane	0.62223	0.66381	0.66381	0.100	-6.68366	20.0	Averaged	
1,1-Dichloropropene	0.36644	0.38405	0.38405	0.100	-4.80528	20.0	Averaged	
1,2-Dichloroethane	0.43276	0.48554	0.48554	0.100	-12.19593	20.0	Averaged	
Carbon Tetrachloride	0.33660	0.37200	0.37200	0.100	-10.51719	20.0	Averaged	
1,2-Dichloroethane-d4	50.0	54.86090	0.49767	0.100	-9.72180	20.0	Linear	
Benzene	1.20483	1.17702	1.17702	0.500	2.30774	20.0	Averaged	
Trichloroethene	0.34921	0.33348	0.33348	0.200	4.50371	20.0	Averaged	
Bromodichloromethane	0.37583	0.41927	0.41927	0.200	-11.55909	20.0	Averaged	
2-Chloroethylvinyl ether	0.00909	0.00580	0.00580	0.001	36.23846	20.0	Averaged	<-
1,2-Dichloropropane	0.32169	0.31672	0.31672	0.100	1.54650	20.0	Averaged	
Dibromomethane	0.20554	0.21278	0.21278	0.100	-3.51902	20.0	Averaged	

Continuing Calibration Verification (CCV)

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

RunID
VOA9_437981

Instrument ID VOA9.i Injection Date 15-JUN-2023 1204
Lab File ID U061502.D ICAL Date(s) 06-JUN-2023 06-JUN-2023
Analysis Type WATER ICAL Times 1115 1541
Lab Sample ID CCV Quant Type ISTD

Compound	$\overline{RRF}$ / Amount	RF50	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
4-Methyl-2-Pentanone	0.36411	0.35137	0.35137	0.100	3.49886	20.0	Averaged	
cis-1,3-Dichloropropene	50.0	48.30414	0.48577	0.200	3.39171	20.0	Linear	
Toluene-d8	1.13164	1.10771	1.10771	0.100	2.11537	20.0	Averaged	
Toluene	1.35612	1.33023	1.33023	0.400	1.90925	20.0	Averaged	
trans-1,3-Dichloropropene	50.0	49.41283	0.41745	0.100	1.17435	20.0	Linear	
2-Hexanone	0.25357	0.24188	0.24188	0.100	4.61030	20.0	Averaged	
1,1,2-Trichloroethane	0.28217	0.26787	0.26787	0.100	5.06616	20.0	Averaged	
1,3-Dichloropropane	0.57650	0.55629	0.55629	0.100	3.50545	20.0	Averaged	
Dibromochloromethane	0.33480	0.36489	0.36489	0.100	-8.98830	20.0	Averaged	
Tetrachloroethene	0.33041	0.30072	0.30072	0.200	8.98341	20.0	Averaged	
1,2-Dibromoethane	0.34808	0.34156	0.34156	0.100	1.87234	20.0	Averaged	
1-Chlorohexane	0.25674	0.25833	0.25833	0.100	-0.61957	20.0	Averaged	
Chlorobenzene	0.96786	0.95000	0.95000	0.500	1.84554	20.0	Averaged	
1,1,1,2-Tetrachloroethane	0.33265	0.34927	0.34927	0.100	-4.99576	20.0	Averaged	
Ethylbenzene	0.45047	0.44978	0.44978	0.100	0.15423	20.0	Averaged	
m,p-Xylenes	0.53296	0.55873	0.55873	0.100	-4.83390	20.0	Averaged	
o-Xylene	0.52651	0.54949	0.54949	0.300	-4.36393	20.0	Averaged	
Styrene	0.83556	0.96621	0.96621	0.300	-15.63602	20.0	Averaged	
Bromoform	0.22599	0.25645	0.25645	0.100	-13.48132	20.0	Averaged	
Isopropylbenzene	1.26463	1.32698	1.32698	0.100	-4.93071	20.0	Averaged	
1,1,2,2-Tetrachloroethane	0.94051	0.82899	0.82899	0.300	11.85781	20.0	Averaged	
4-Bromofluorobenzene	50.0	56.99541	0.50714	0.100	-13.99082	20.0	Linear	
1,2,3-Trichloropropane	0.82740	0.77573	0.77573	0.100	6.24516	20.0	Averaged	
n-Propylbenzene	2.62266	2.54319	2.54319	0.100	3.02995	20.0	Averaged	
Bromobenzene	0.84363	0.76856	0.76856	0.100	8.89901	20.0	Averaged	
1,3,5-Trimethylbenzene	1.79927	1.66742	1.66742	0.100	7.32796	20.0	Averaged	
2-Chlorotoluene	1.84364	1.72908	1.72908	0.100	6.21392	20.0	Averaged	
4-Chlorotoluene	2.04071	2.00234	2.00234	0.100	1.88048	20.0	Averaged	
tert-Butylbenzene	1.76718	1.63243	1.63243	0.100	7.62531	20.0	Averaged	
1,2,4-Trimethylbenzene	1.88261	1.68685	1.68685	0.100	10.39838	20.0	Averaged	
sec-Butylbenzene	2.24110	2.12424	2.12424	0.100	5.21440	20.0	Averaged	
p-Isopropyltoluene	1.87752	1.79684	1.79684	0.100	4.29714	20.0	Averaged	
1,3-Dichlorobenzene	1.43286	1.30542	1.30542	0.600	8.89404	20.0	Averaged	
1,4-Dichlorobenzene	1.52773	1.39411	1.39411	0.400	8.74650	20.0	Averaged	

Continuing Calibration Verification (CCV)

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder HS23060596

RunID VOA9_437981

Instrument ID VOA9.i Injection Date 15-JUN-2023 1204
Lab File ID U061502.D ICAL Date(s) 06-JUN-2023 06-JUN-2023
Analysis Type WATER ICAL Times 1115 1541
Lab Sample ID CCV Quant Type ISTD

Compound	$\overline{RRF}$ / Amount	RF50	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
n-Butylbenzene	1.60731	1.52259	1.52259	0.500	5.27068	20.0	Averaged	
1,2-Dichlorobenzene	1.43664	1.33335	1.33335	0.400	7.18969	20.0	Averaged	
1,2-Dibromo-3-Chloropropane	0.13724	0.12640	0.12640	0.050	7.90295	20.0	Averaged	
1,2,4-Trichlorobenzene	0.98816	0.89049	0.89049	0.200	9.88427	20.0	Averaged	
Hexachlorobutadiene	0.39906	0.38450	0.38450	0.100	3.64853	20.0	Averaged	
Naphthalene	2.29538	2.24893	2.24893	0.200	2.02345	20.0	Averaged	
1,2,3-Trichlorobenzene	0.96603	0.87680	0.87680	0.100	9.23737	20.0	Averaged	
1,2-Dichloroethylene (total	0.45327	0.45512	0.45512	0.200	-0.40962	20.0	Averaged	
Xylenes (total)	0.50452	0.55633	0.55633	0.100	-10.26940	20.0	Averaged	
1,4-Dioxane	0.00993	0.00536	0.00536	0.001	46.01985	20.0	Averaged	<-
Cyclohexane	50.0	46.10631	0.56550	0.100	7.78738	20.0	Quadratic	
Freon TF	0.33580	0.36558	0.36558	0.100	-8.86682	20.0	Averaged	
1,3-Butadiene	0.47352	0.46071	0.46071	0.100	2.70604	20.0	Averaged	
Methylcyclohexane	0.69360	0.70965	0.70965	0.100	-2.31484	20.0	Averaged	
Methyl Acetate	0.42100	0.39960	0.39960	0.100	5.08360	20.0	Averaged	
Tert-butyl alcohol	1000	970	0.04484	0.005	2.96127	20.0	Linear	
Isopropyl alcohol	0.03269	0.02804	0.02804	0.005	14.21029	20.0	Averaged	
trans-1,4-Dichloro-2-butene	0.05757	0.06679	0.06679	0.050	-16.01756	20.0	Averaged	
Isobutyl Alcohol	0.06496	0.07585	0.07585	0.005	-16.76257	20.0	Averaged	
Acetonitrile	0.05413	0.06018	0.06018	0.005	-11.17993	20.0	Averaged	
Allyl Chloride	1.29812	1.23501	1.23501	0.100	4.86211	20.0	Averaged	
Methacrylonitrile	0.29541	0.28409	0.28409	0.100	3.83051	20.0	Averaged	
Methyl Methacrylate	0.42991	0.43021	0.43021	0.100	-0.06975	20.0	Averaged	
Propionitrile	0.07225	0.06626	0.06626	0.010	8.29682	20.0	Averaged	
n-Hexane	50.0	51.72741	0.43280	0.100	-3.45482	20.0	Quadratic	
Methyl Acrylate	0.52880	0.52963	0.52963	0.100	-0.15721	20.0	Averaged	
Chloroprene	0.15947	0.16898	0.16898	0.100	-5.95852	20.0	Averaged	
Ethyl Methacrylate	0.43830	0.45993	0.45993	0.100	-4.93652	20.0	Averaged	
1,2,3-Trimethylbenzene	1.92195	1.77390	1.77390	0.100	7.70298	20.0	Averaged	

Continuing Calibration Verification (CCV)

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder HS23060596

RunID VOA9_437981

Instrument ID VOA9.i Injection Date 15-JUN-2023 2230
Lab File ID U061530.D ICAL Date(s) 06-JUN-2023 06-JUN-2023
Analysis Type WATER ICAL Times 1115 1541
Lab Sample ID CCV-END Quant Type ISTD

Compound	$\overline{RRF}$ / Amount	RF50	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
Dichlorodifluoromethane	50.0	49.81703	0.46028	0.100	0.36594	50.0	Linear	
Chloromethane	50.0	52.18641	0.78621	0.100	-4.37281	50.0	Linear	
Vinyl Chloride	0.52887	0.52980	0.52980	0.100	-0.17575	50.0	Averaged	
Bromomethane	50.0	59.39063	0.32121	0.100	-18.78127	50.0	Linear	
Chloroethane	0.35626	0.37342	0.37342	0.100	-4.81583	50.0	Averaged	
Trichlorofluoromethane	0.60742	0.73045	0.73045	0.100	-20.25496	50.0	Averaged	
Acrolein	0.02654	0.02962	0.02962	0.010	-11.60270	50.0	Averaged	
Acetone	100	127	0.21614	0.100	-27.34036	50.0	Linear	
1,1-Dichloroethene	0.37953	0.39753	0.39753	0.100	-4.74260	50.0	Averaged	
Iodomethane	100	58.59147	0.15779	0.100	41.40853	50.0	Quadratic	
Acrylonitrile	0.18542	0.20834	0.20834	0.050	-12.36011	50.0	Averaged	
Methylene Chloride	50.0	56.36313	0.51284	0.100	-12.72626	50.0	Linear	
Methyl tert-butyl ether	1.16385	1.33629	1.33629	0.100	-14.81639	50.0	Averaged	
Carbon Disulfide	1.01461	1.05978	1.05978	0.100	-4.45222	50.0	Averaged	
trans-1,2-Dichloroethene	0.41275	0.43904	0.43904	0.100	-6.37063	50.0	Averaged	
Vinyl Acetate	1.25818	0.71487	0.71487	0.010	43.18270	50.0	Averaged	
1,1-Dichloroethane	0.78439	0.83746	0.83746	0.200	-6.76549	50.0	Averaged	
2-Butanone	0.22797	0.23762	0.23762	0.100	-4.23462	50.0	Averaged	
2,2-Dichloropropane	50.0	28.63829	0.29526	0.100	42.72342	50.0	Linear	
cis-1,2-Dichloroethene	0.49378	0.52455	0.52455	0.100	-6.23142	50.0	Averaged	
Chloroform	0.81639	0.90820	0.90820	0.200	-11.24587	50.0	Averaged	
Bromochloromethane	0.27621	0.29152	0.29152	0.100	-5.54301	50.0	Averaged	
Dibromofluoromethane	50.0	55.69864	0.46721	0.100	-11.39728	50.0	Linear	
1,1,1-Trichloroethane	0.62223	0.71901	0.71901	0.100	-15.55423	50.0	Averaged	
1,1-Dichloropropene	0.36644	0.35805	0.35805	0.100	2.28758	50.0	Averaged	
1,2-Dichloroethane	0.43276	0.47217	0.47217	0.100	-9.10648	50.0	Averaged	
Carbon Tetrachloride	0.33660	0.36373	0.36373	0.100	-8.06059	50.0	Averaged	
1,2-Dichloroethane-d4	50.0	62.23312	0.56373	0.100	-24.46623	50.0	Linear	
Benzene	1.20483	1.19128	1.19128	0.500	1.12439	50.0	Averaged	
Trichloroethene	0.34921	0.38873	0.38873	0.200	-11.31693	50.0	Averaged	
Bromodichloromethane	0.37583	0.41987	0.41987	0.200	-11.71835	50.0	Averaged	
2-Chloroethylvinyl ether	0.00909	0.00402	0.00402	0.001	55.78040	50.0	Averaged	<-
1,2-Dichloropropane	0.32169	0.32390	0.32390	0.100	-0.68578	50.0	Averaged	
Dibromomethane	0.20554	0.22486	0.22486	0.100	-9.39648	50.0	Averaged	

Continuing Calibration Verification (CCV)

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

RunID
VOA9_437981

Instrument ID VOA9.i Injection Date 15-JUN-2023 2230
Lab File ID U061530.D ICAL Date(s) 06-JUN-2023 06-JUN-2023
Analysis Type WATER ICAL Times 1115 1541
Lab Sample ID CCV-END Quant Type ISTD

Compound	$\overline{RRF}$ / Amount	RF50	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
4-Methyl-2-Pentanone	0.36411	0.36893	0.36893	0.100	-1.32622	50.0	Averaged	
cis-1,3-Dichloropropene	50.0	41.42881	0.41378	0.200	17.14237	50.0	Linear	
Toluene-d8	1.13164	1.16081	1.16081	0.100	-2.57690	50.0	Averaged	
Toluene	1.35612	1.36490	1.36490	0.400	-0.64683	50.0	Averaged	
trans-1,3-Dichloropropene	50.0	42.54182	0.35693	0.100	14.91636	50.0	Linear	
2-Hexanone	0.25357	0.24606	0.24606	0.100	2.96267	50.0	Averaged	
1,1,2-Trichloroethane	0.28217	0.27387	0.27387	0.100	2.93977	50.0	Averaged	
1,3-Dichloropropane	0.57650	0.57446	0.57446	0.100	0.35402	50.0	Averaged	
Dibromochloromethane	0.33480	0.37166	0.37166	0.100	-11.01113	50.0	Averaged	
Tetrachloroethene	0.33041	0.31647	0.31647	0.200	4.21757	50.0	Averaged	
1,2-Dibromoethane	0.34808	0.34877	0.34877	0.100	-0.19745	50.0	Averaged	
1-Chlorohexane	0.25674	0.23792	0.23792	0.100	7.33252	50.0	Averaged	
Chlorobenzene	0.96786	0.93479	0.93479	0.500	3.41658	50.0	Averaged	
1,1,1,2-Tetrachloroethane	0.33265	0.35133	0.35133	0.100	-5.61497	50.0	Averaged	
Ethylbenzene	0.45047	0.44821	0.44821	0.100	0.50201	50.0	Averaged	
m,p-Xylenes	0.53296	0.55770	0.55770	0.100	-4.64206	50.0	Averaged	
o-Xylene	0.52651	0.54720	0.54720	0.300	-3.92971	50.0	Averaged	
Styrene	0.83556	0.90449	0.90449	0.300	-8.24927	50.0	Averaged	
Bromoform	0.22599	0.24990	0.24990	0.100	-10.57943	50.0	Averaged	
Isopropylbenzene	1.26463	1.33724	1.33724	0.100	-5.74166	50.0	Averaged	
1,1,2,2-Tetrachloroethane	0.94051	0.73347	0.73347	0.300	22.01402	50.0	Averaged	
4-Bromofluorobenzene	50.0	54.33988	0.48388	0.100	-8.67975	50.0	Linear	
1,2,3-Trichloropropane	0.82740	0.77167	0.77167	0.100	6.73624	50.0	Averaged	
n-Propylbenzene	2.62266	2.59811	2.59811	0.100	0.93607	50.0	Averaged	
Bromobenzene	0.84363	0.78690	0.78690	0.100	6.72557	50.0	Averaged	
1,3,5-Trimethylbenzene	1.79927	1.76397	1.76397	0.100	1.96184	50.0	Averaged	
2-Chlorotoluene	1.84364	1.83018	1.83018	0.100	0.73003	50.0	Averaged	
4-Chlorotoluene	2.04071	2.02655	2.02655	0.100	0.69378	50.0	Averaged	
tert-Butylbenzene	1.76718	1.75777	1.75777	0.100	0.53224	50.0	Averaged	
1,2,4-Trimethylbenzene	1.88261	1.76783	1.76783	0.100	6.09688	50.0	Averaged	
sec-Butylbenzene	2.24110	2.17276	2.17276	0.100	3.04933	50.0	Averaged	
p-Isopropyltoluene	1.87752	1.81521	1.81521	0.100	3.31868	50.0	Averaged	
1,3-Dichlorobenzene	1.43286	1.31932	1.31932	0.600	7.92422	50.0	Averaged	
1,4-Dichlorobenzene	1.52773	1.38900	1.38900	0.400	9.08114	50.0	Averaged	

Continuing Calibration Verification (CCV)

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

RunID
VOA9_437981

Instrument ID VOA9.i Injection Date 15-JUN-2023 2230
Lab File ID U061530.D ICAL Date(s) 06-JUN-2023 06-JUN-2023
Analysis Type WATER ICAL Times 1115 1541
Lab Sample ID CCV-END Quant Type ISTD

Compound	$\overline{RRF}$ / Amount	RF50	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
n-Butylbenzene	1.60731	1.43410	1.43410	0.500	10.77661	50.0	Averaged	
1,2-Dichlorobenzene	1.43664	1.35649	1.35649	0.400	5.57923	50.0	Averaged	
1,2-Dibromo-3-Chloropropane	0.13724	0.13065	0.13065	0.050	4.80203	50.0	Averaged	
1,2,4-Trichlorobenzene	0.98816	0.85365	0.85365	0.200	13.61227	50.0	Averaged	
Hexachlorobutadiene	0.39906	0.30665	0.30665	0.100	23.15873	50.0	Averaged	
Naphthalene	2.29538	2.22770	2.22770	0.200	2.94848	50.0	Averaged	
1,2,3-Trichlorobenzene	0.96603	0.86536	0.86536	0.100	10.42179	50.0	Averaged	
1,2-Dichloroethylene (total	0.45327	0.48180	0.48180	0.200	-6.29480	50.0	Averaged	
Xylenes (total)	0.50452	0.55187	0.55187	0.100	-9.38558	50.0	Averaged	
1,4-Dioxane	0.00993	0.00683	0.00683	0.001	31.22152	50.0	Averaged	
Cyclohexane	50.0	46.98030	0.57653	0.100	6.03941	50.0	Quadratic	
Freon TF	0.33580	0.34572	0.34572	0.100	-2.95404	50.0	Averaged	
1,3-Butadiene	0.47352	0.45787	0.45787	0.100	3.30480	50.0	Averaged	
Methylcyclohexane	0.69360	0.70687	0.70687	0.100	-1.91345	50.0	Averaged	
Methyl Acetate	0.42100	0.45083	0.45083	0.100	-7.08445	50.0	Averaged	
Tert-butyl alcohol	1000	1154	0.05326	0.005	-15.36117	50.0	Linear	
Isopropyl alcohol	0.03269	0.03399	0.03399	0.005	-3.98365	50.0	Averaged	
trans-1,4-Dichloro-2-butene	0.05757	0.04365	0.04365	0.050	24.17526	50.0	Averaged	
Isobutyl Alcohol	0.06496	0.08531	0.08531	0.005	-31.32401	50.0	Averaged	
Acetonitrile	0.05413	0.06181	0.06181	0.005	-14.17525	50.0	Averaged	
Allyl Chloride	1.29812	1.32938	1.32938	0.100	-2.40817	50.0	Averaged	
Methacrylonitrile	0.29541	0.31459	0.31459	0.100	-6.49273	50.0	Averaged	
Methyl Methacrylate	0.42991	0.49242	0.49242	0.100	-14.54074	50.0	Averaged	
Propionitrile	0.07225	0.07822	0.07822	0.010	-8.26434	50.0	Averaged	
n-Hexane	50.0	34.33064	0.28367	0.100	31.33873	50.0	Quadratic	
Methyl Acrylate	0.52880	0.59023	0.59023	0.100	-11.61684	50.0	Averaged	
Chloroprene	0.15947	0.16781	0.16781	0.100	-5.22685	50.0	Averaged	
Ethyl Methacrylate	0.43830	0.46952	0.46952	0.100	-7.12489	50.0	Averaged	
1,2,3-Trimethylbenzene	1.92195	1.94338	1.94338	0.100	-1.11506	50.0	Averaged	

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Form 8

Internal Standard Area and RT Summary

Volatiles by EPA 8260

Workorder

HS23060596

Client

Bhate Environmental Associates, Inc.

Project

LHAAP-58

06/16/2023

ALS Environmental–Houston Laboratory

10450 Stancliff Road, Suite 210, Houston, TX 77099

Phone (281) 530-5656 Fax (281) 530-5887

www.alsglobal.com

Form 8 - Internal Standard Area and RT Summary

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

RunID
VOA9_437771

		IS1		IS2		IS3		IS4	
Sample ID	File ID	Area	RT	Area	RT	Area	RT	Area	RT
12-HOUR STD (CCV)	U061303	695630 #	4.82 #	1011038 #	5.55 #	950740 #	8.19 #	488614 #	10.17 #
VLCSW-230613	U061305	671057	4.82	997910	5.56	934055	8.19	485211	10.17
VBLKW-230613	U061307	735968	4.82	1049905	5.55	948726	8.19	467867	10.17
HS23060596-10	U061308	696007	4.82	968689	5.55	928100	8.19	458556	10.17
HS23060596-08	U061309	736496	4.82	1025896	5.55	936735	8.19	464871	10.17
HS23060596-08MS	U061312	753098	4.81	1046858	5.55	957306	8.19	496996	10.17
HS23060596-08MSD	U061313	688443	4.82	986613	5.55	977568	8.19	507170	10.17
HS23060596-01	U061316	717348	4.82	998468	5.55	908821	8.19	457268	10.17
HS23060596-02	U061317	635778	4.81	887788	5.55	798184	8.19	398124	10.17
HS23060596-03	U061318	641207	4.82	892245	5.55	818212	8.19	399576	10.17
HS23060596-06	U061319	740727	4.82	1040382	5.55	838864	8.19	448819	10.17
HS23060596-07	U061320	766412	4.81	1067805	5.55	933286	8.19	447432	10.17
HS23060596-09	U061321	745541	4.82	1035036	5.56	931912	8.19	457949	10.17
HS23060596-04	U061322	734074	4.81	1024142	5.55	922484	8.19	448807	10.17
HS23060596-05	U061323	618475	4.82	867891	5.55	781655	8.19	383939	10.17
CCV-END	U061324	539494	4.82	834605	5.55	816100	8.19	432091	10.17

IS1 - Pentafluorobenzene IS2 - 1,4-Difluorobenzene IS3 - Chlorobenzene-d5 IS4 - 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of 12H STD IS Area
AREA LOWER LIMIT = - 50% of 12H STD IS Area
RT - Retention Time IS - Internal Standard

RT UPPER LIMIT = + 0.50 of 12H STD IS RT
RT LOWER LIMIT = - 0.50 of 12H 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 Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

RunID
VOA9_437981

		IS1		IS2		IS3		IS4	
Sample ID	File ID	Area	RT	Area	RT	Area	RT	Area	RT
12-HOUR STD (CCV)	U061502	504252 #	4.81 #	730056 #	5.55 #	730955 #	8.19 #	419252 #	10.17 #
CCB	U061504	572332	4.82	782643	5.55	705271	8.19	349343	10.17
VLCSW-230615	U061505	507694	4.81	745484	5.55	722251	8.19	384410	10.17
VBLKW-230615	U061507	531675	4.82	738141	5.56	687232	8.19	340080	10.17
ZZZZZZMS	U061510	551640	4.81	773572	5.55	738027	8.19	396855	10.17
ZZZZZZMSD	U061511	557900	4.82	767735	5.55	731003	8.19	399485	10.17
HS23060596-04	U061517	560477	4.81	782228	5.55	701561	8.19	353034	10.17
HS23060596-05	U061518	525737	4.82	731181	5.55	678950	8.19	343029	10.17
CCV-END	U061530	453333	4.82	723685	5.55	720641	8.19	383736	10.17

IS1 - Pentafluorobenzene IS2 - 1,4-Difluorobenzene IS3 - Chlorobenzene-d5 IS4 - 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of 12H STD IS Area
AREA LOWER LIMIT = - 50% of 12H STD IS Area
RT - Retention Time IS - Internal Standard

RT UPPER LIMIT = + 0.50 of 12H STD IS RT
RT LOWER LIMIT = - 0.50 of 12H STD IS RT
CCV - Continuing Calibration Verification

- Area or RT Limit Flag
* - Value Outside Area or RT limits
H - Hour STD - Standard

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Analysis Run Log

Volatiles by EPA 8260

Workorder

HS23060596

Client

Bhate Environmental Associates, Inc.

Project

LHAAP-58

06/16/2023

ALS Environmental–Houston Laboratory

10450 Stancliff Road, Suite 210, Houston, TX 77099

Phone (281) 530-5656 Fax (281) 530-5887

www.alsglobal.com

Form 13 - Analysis Run Log

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

RunID
VOA9_437296

Run ID VOA9_437296 **Start Date** 06/06/23 **EndDate** 06/06/23

Inj. Time	Client Sample ID	Type	Lab Sample ID	File ID	Analysis Date	DF
10:53	BFB	TUNE	BFB	U060601.D	06/06/23	1
11:15	VSTD000.25	ICAL1	VSTD000.25	U060602.D	06/06/23	1
11:37	VSTD000.5	ICAL2	VSTD000.5	U060603.D	06/06/23	1
13:06	VSTD005	ICAL5	VSTD005	U060606.D	06/06/23	1
13:28	VSTD001	ICAL3	VSTD001	U060607.D	06/06/23	1
13:50	VSTD002	ICAL4	VSTD002	U060608.D	06/06/23	1
14:13	VSTD020	ICAL6	VSTD020	U060609.D	06/06/23	1
14:35	VSTD050	ICAL7	VSTD050	U060610.D	06/06/23	1
14:57	VSTD100	ICAL8	VSTD100	U060611.D	06/06/23	1
15:19	VSTD150	ICAL9	VSTD150	U060612.D	06/06/23	1
15:41	VSTD200	ICAL	VSTD200	U060613.D	06/06/23	1
16:48	CCV	ICV	CCV	U060616.D	06/06/23	1

Form 13 - Analysis Run Log

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

RunID
VOA9_437771

Run ID VOA9_437771 **Start Date** 06/13/23 **EndDate** 06/13/23

Inj. Time	Client Sample ID	Type	Lab Sample ID	File ID	Analysis Date	DF
11:04	BFB	TUNE	BFB	U061301.D	06/13/23	1
11:49	CCV	CCV	CCV	U061303.D	06/13/23	1
12:33	VLCSW-230613	LCS	VLCSW-230613	U061305.D	06/13/23	1
13:57	VBLKW-230613	MBLK	VBLKW-230613	U061307.D	06/13/23	1
14:20	Trip Blank	SAMP	HS23060596-10	U061308.D	06/13/23	1
14:42	35AWW26_060623	SAMP	HS23060596-08	U061309.D	06/13/23	1
15:04	ZZZZZZZZZZ	SAMP	HS23060391-03	U061310.D	06/13/23	1
15:27	ZZZZZZZZZZ	SAMP	HS23060391-02	U061311.D	06/13/23	25
15:49	HS23060596-08MS	MS	HS23060596-08MS	U061312.D	06/13/23	1
16:12	HS23060596-08MSD	MSD	HS23060596-08MSD	U061313.D	06/13/23	1
16:34	ZZZZZZZZZZ	SAMP	HS23060391-02	U061314.D	06/13/23	250
16:56	ZZZZZZZZZZ	SAMP	HS23060391-03	U061315.D	06/13/23	25
17:19	03WW01_060623	SAMP	HS23060596-01	U061316.D	06/13/23	5
17:41	35AWW08_060623	SAMP	HS23060596-02	U061317.D	06/13/23	5
18:04	35AWW01_060623	SAMP	HS23060596-03	U061318.D	06/13/23	1
18:26	35AWW13_060623	SAMP	HS23060596-06	U061319.D	06/13/23	1
18:48	35AWW10_060623	SAMP	HS23060596-07	U061320.D	06/13/23	1
19:11	35AWW21_060623	SAMP	HS23060596-09	U061321.D	06/13/23	1
19:33	35AWW09_060623	SAMP	HS23060596-04	U061322.D	06/13/23	1
19:56	35AWW09_060623_a	SAMP	HS23060596-05	U061323.D	06/13/23	1
20:18	CCV-END	CCV_END	CCV-END	U061324.D	06/13/23	1

Form 13 - Analysis Run Log

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060596

RunID
VOA9_437981

Run ID VOA9_437981 **Start Date** 06/15/23 **EndDate** 06/15/23

Inj. Time	Client Sample ID	Type	Lab Sample ID	File ID	Analysis Date	DF
11:39	BFB	TUNE	BFB	U061501.D	06/15/23	1
12:04	CCV	CCV	CCV	U061502.D	06/15/23	1
12:48	CCB	CCB	CCB	U061504.D	06/15/23	1
13:11	VLCSW-230615	LCS	VLCSW-230615	U061505.D	06/15/23	1
13:55	VBLKW-230615	MBLK	VBLKW-230615	U061507.D	06/15/23	1
14:18	ZZZZZZZZZZ	SAMP	HS23060723-03	U061508.D	06/15/23	1
15:03	ZZZZZZMS	MS	HS23060723-03MS	U061510.D	06/15/23	1
15:25	ZZZZZZMSD	MSD	HS23060723-03MSD	U061511.D	06/15/23	1
17:39	35AWW09_060623	SAMP	HS23060596-04	U061517.D	06/15/23	10
18:02	35AWW09_060623_a	SAMP	HS23060596-05	U061518.D	06/15/23	10
18:24	ZZZZZZZZZZ	SAMP	HS23060723-01	U061519.D	06/15/23	1
18:47	ZZZZZZZZZZ	SAMP	HS23060723-02	U061520.D	06/15/23	1
19:09	ZZZZZZZZZZ	SAMP	HS23060723-04	U061521.D	06/15/23	1
19:31	ZZZZZZZZZZ	SAMP	HS23060723-05	U061522.D	06/15/23	1
19:54	ZZZZZZZZZZ	SAMP	HS23060723-06	U061523.D	06/15/23	1
20:16	ZZZZZZZZZZ	SAMP	HS23060723-07	U061524.D	06/15/23	1
20:39	ZZZZZZZZZZ	SAMP	HS23060723-08	U061525.D	06/15/23	1
21:01	ZZZZZZZZZZ	SAMP	HS23060723-09	U061526.D	06/15/23	1
21:23	ZZZZZZZZZZ	SAMP	HS23060723-10	U061527.D	06/15/23	1
21:46	ZZZZZZZZZZ	SAMP	HS23060723-11	U061528.D	06/15/23	1
22:08	ZZZZZZZZZZ	SAMP	HS23060723-12	U061529.D	06/15/23	1
22:30	CCV-END	CCV_END	CCV-END	U061530.D	06/15/23	1

01224982

right solutions.
right partner.

Raw Data VOA9 437296

Volatiles by EPA 8260

Workorder

HS23060596

Client

Bhate Environmental Associates, Inc.

Project

LHAAP-58

06/16/2023

ALS Environmental–Houston Laboratory

10450 Stancliff Road, Suite 210, Houston, TX 77099

Phone (281) 530-5656 Fax (281) 530-5887

www.alsglobal.com

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060601.D Page 1
Report Date: 06-Jun-2023 11:16

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060601.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 06-JUN-2023 10:53
Operator : PC Inst ID: VOA9.i
Smp Info : BFB;BFB;3;;BFB
Misc Info : V9;WATER;0;1;
Comment :
Method : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\bfb.m
Meth Date : 27-Jan-2023 08:08 apoluri Quant Type: ISTD
Cal Date : 30-MAR-2018 18:09 Cal File: U033003.d
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: NAHSTW7051

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	2.000	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	
9.197	9.180	(0.000)	95	136448			0.00- 100.00	100.00
9.197	9.180	(0.000)	50	25960			15.00- 40.00	19.03
9.197	9.180	(0.000)	75	63728			30.00- 60.00	46.70
9.197	9.180	(0.000)	96	9360			5.00- 9.00	6.86
9.197	9.180	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
9.197	9.180	(0.000)	174	125696			50.00- 0.00	92.12
9.197	9.180	(0.000)	175	10925			5.00- 9.00	8.69
9.197	9.180	(0.000)	176	121928			95.00- 101.00	97.00
9.197	9.180	(0.000)	177	8371			5.00- 9.00	6.87

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.03
75	30.00 - 60.00% of mass 95	46.70
96	5.00 - 9.00% of mass 95	6.86
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	92.12
175	5.00 - 9.00% of mass 174	8.01 (8.69)
176	95.00 - 101.00% of mass 174	89.36 (97.00)
177	5.00 - 9.00% of mass 176	6.13 (6.87)

Data File: U060601.D
Spectrum: Scan 2294 (9.19)
Location of Maximum: 95.00
Number of points: 183

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1606	78.90	3626	126.90	173	180.50	63
37.00	7004	79.90	1138	127.90	637	189.70	63
38.00	6056	80.90	3614	128.80	349	190.10	90
39.10	2292	81.90	1010	129.90	611	190.90	76
39.90	605	83.70	86	131.00	267	191.70	102
40.60	238	84.40	139	131.90	136	193.30	85
41.50	249	85.10	99	133.00	93	193.80	111
42.40	145	86.00	358	134.00	60	194.90	61
43.10	257	86.90	5506	134.90	188	195.70	59
43.90	1550	87.90	5724	135.50	114	199.00	61
45.00	1049	89.70	70	136.10	156	201.00	76
46.20	308	90.90	483	137.00	446	204.10	65
47.00	2170	92.00	3718	138.70	149	206.80	96
47.80	1172	93.00	5572	139.60	225	214.00	57
49.00	5597	94.00	17248	140.80	1519	215.30	57
50.00	25960	95.00	136448	141.80	216	217.30	81
51.00	8122	96.00	9360	142.90	1809	219.80	80
52.10	549	97.00	242	143.90	185	221.90	82
53.20	314	98.10	120	144.90	427	226.10	60
53.90	188	99.50	83	145.90	283	227.70	56
54.20	214	100.10	128	146.90	135	233.00	105
54.80	516	101.30	73	147.90	335	241.30	67
56.00	2033	102.80	171	148.90	169	243.30	72
57.00	3459	103.90	720	149.80	365	244.40	79
57.90	375	104.80	244	151.80	188	246.00	69
59.00	221	105.80	554	152.60	215	247.20	66
60.00	1229	107.10	182	153.80	221	253.10	56
61.00	6314	107.60	97	154.80	409	258.80	62
62.00	6603	108.20	76	155.90	107	264.10	94
63.00	5015	109.70	198	157.00	385	264.50	57
64.00	798	111.00	182	158.70	185	265.40	67
64.90	849	111.60	225	160.20	116	278.00	50
65.80	161	112.70	159	161.10	194	283.30	85
66.80	415	113.00	170	161.60	65	284.10	92
68.00	14015	114.80	234	166.70	55	286.60	57
69.00	13768	115.90	673	168.00	87	287.60	52
70.00	1246	116.90	876	169.10	89	295.90	52
70.80	262	117.80	546	169.60	59	300.90	71
71.30	260	118.80	825	170.30	103	302.50	52
72.10	826	119.90	99	171.00	262	320.40	86
73.00	6098	120.40	70	172.00	1169	328.50	66
74.00	20912	121.70	115	173.90	125696	330.30	64
75.00	63728	122.50	79	175.00	10925	339.30	78
76.00	6105	123.50	138	175.90	121928	346.10	69
76.90	843	124.80	115	176.90	8371	349.50	59

77.90	770	125.60	102	177.90	233		

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060602.D Page 1
Report Date: 13-Jun-2023 13:00

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060602.D
Lab Smp Id: VSTD000.25 Client Smp ID: VSTD000.25
Inj Date : 06-JUN-2023 11:15
Operator : PC Inst ID: VOA9.i
Smp Info : VSTD000.25;VSTD000.25;1;1;
Misc Info : V9;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\8260C.m
Meth Date : 13-Jun-2023 13:00 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 13:50 Cal File: U060608.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/l)	ON-COL (ug/l)
*	1 Pentafluorobenzene	168	4.815	4.815	(1.000)	758075	50.0000	
	15 Iodomethane	142	2.476	2.476	(0.514)	1709	0.50000	10.21(T)
	26 2,2-Dichloropropane	77	4.182	4.182	(0.868)	2648	0.25000	0.73(a)
$	30 Dibromofluoromethane	113	4.751	4.751	(0.987)	2358	0.25000	0.05(a)
$	35 1,2-Dichloroethane-d4	65	5.100	5.100	(1.059)	2464	0.25000	(a)
*	36 1,4-Difluorobenzene	114	5.554	5.554	(1.000)	1141877	50.0000	
	46 cis-1,3-Dichloropropene	75	6.693	6.693	(1.205)	2552	0.25000	2.12(a)
*	47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	1042568	50.0000	
$	48 Toluene-d8	98	6.922	6.922	(0.846)	9480	0.25000	0.40(a)
	51 trans-1,3-Dichloropropene	75	7.207	7.207	(1.298)	1508	0.25000	2.17(a)
	58 1-Chlorohexane	55	8.185	8.185	(1.474)	10231	0.25000	1.74(a)
$	69 4-Bromofluorobenzene	95	9.197	9.197	(1.124)	6043	0.25000	(a)
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	519246	50.0000	
M	94 1,2-Dichloroethylene (total)	96				4023	0.50000	(a)
	141 Cyclohexane	56	4.815	4.815	(1.000)	12882	0.25000	1.60(a)
	140 1,3-Butadiene	54	1.404	1.404	(0.292)	1956	0.25000	0.27(a)
	145 alpha-Methylstyrene	118	9.760	9.760	(0.959)	2265	0.25000	3.75(a)
	162 Butyl acrylate	55	8.736	8.736	(1.067)	4785	0.25000	0.38(a)
	203 2-Ethylhexyl Acrylate	55	12.046	12.046	(1.184)	2128	0.25000	2.17(a)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

01224990

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060602.D

Page 1

Date : 06-JUN-2023 11:15

Client ID: VSTD000.25

Instrument: VOA9.i

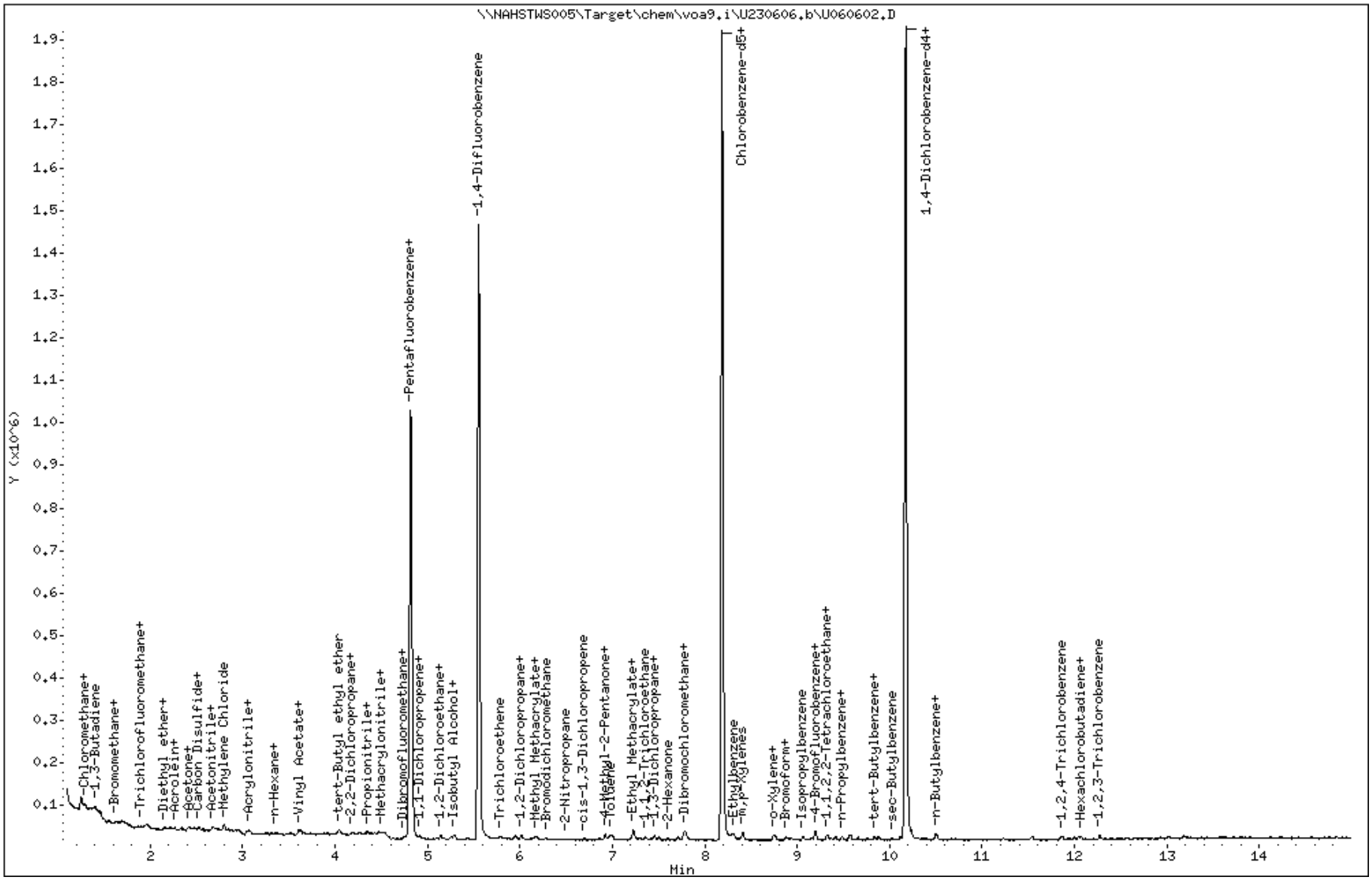
Sample Info: VSTD000.25;VSTD000.25;1;1;

Purge Volume: 5.0

Operator: PC

Column phase: DB624

Column diameter: 0.18

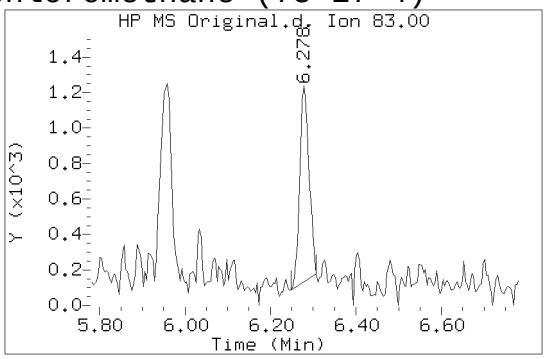


Data File : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060602.D
Inj Date : 06-JUN-2023 11:15
InstruID : VOA9.i
LabSampID : VSTD000.25

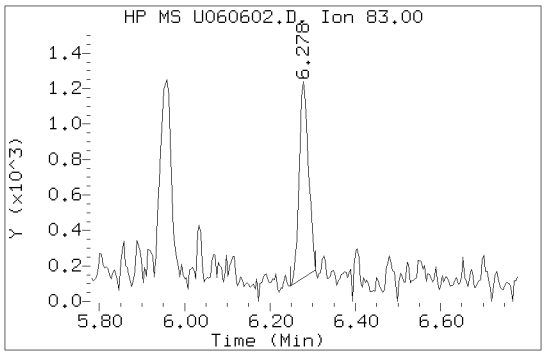
Bromodichloromethane (75-27-4)

Reason Code:

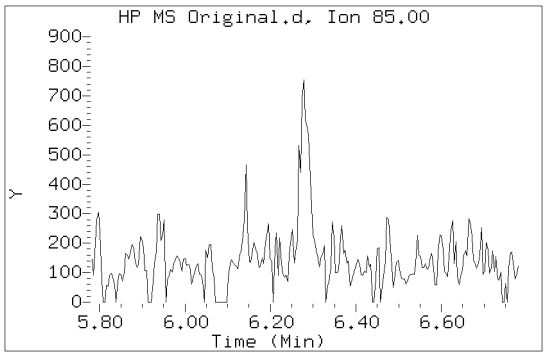
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MASS
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AREA
1696
HEIGHT
1106
08-Jun-2023
14:56
linh
pham



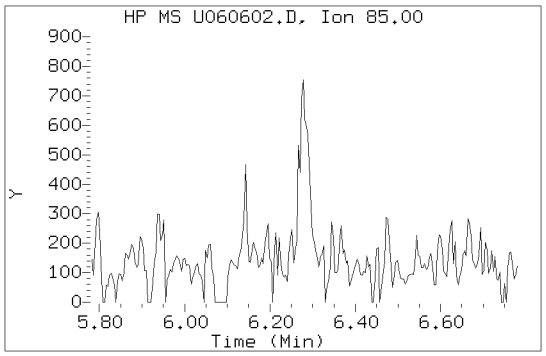
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MASS
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AREA
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13-Jun-2023
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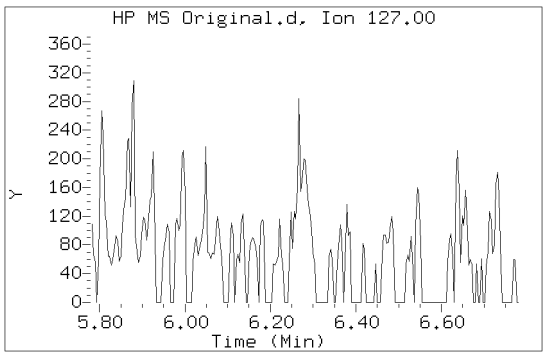
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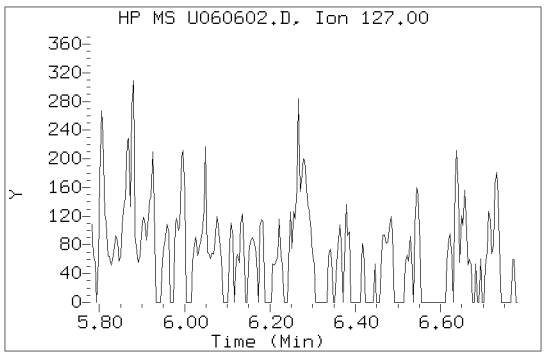
AFTER
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AREA
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HEIGHT
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13-Jun-2023
13:00
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pham



BEFORE
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HEIGHT
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08-Jun-2023
14:56
linh
pham



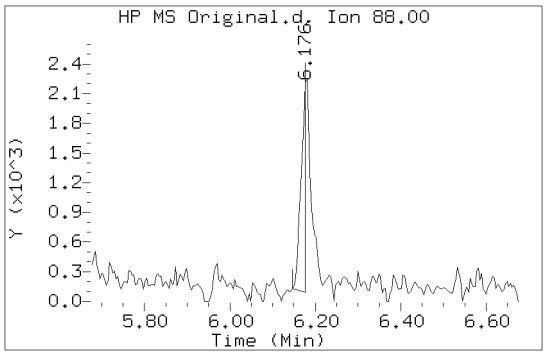
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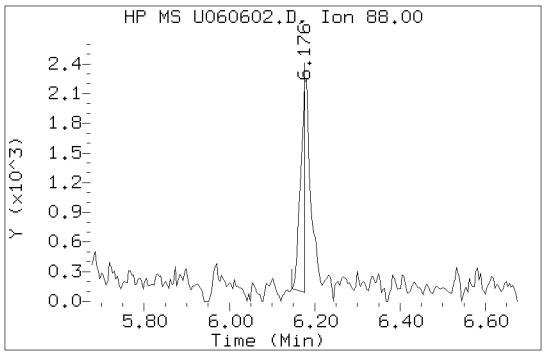
1,4-Dioxane ()

Reason Code:

BEFORE
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AREA
1694
HEIGHT
2126
08-Jun-2023
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linh
pham



AFTER
MASS
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HEIGHT
2126
13-Jun-2023
13:00
linh
pham



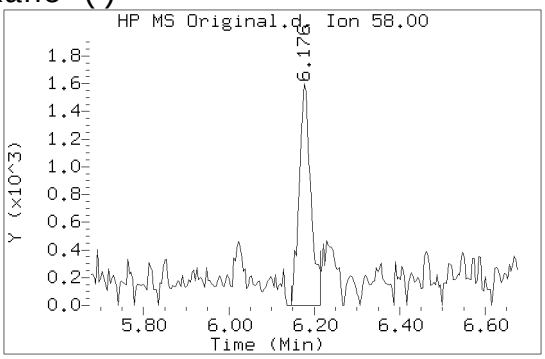
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Inj Date : 06-JUN-2023 11:15
InstruID : VOA9.i
LabSampID : VSTD000.25

1,4-Dioxane ()

Reason Code:

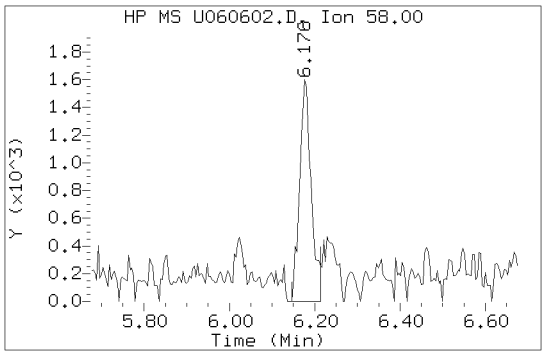
BEFORE

MASS
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08-Jun-2023
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linh
pham



AFTER

MASS
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AREA
3075
HEIGHT
1600
13-Jun-2023
13:00
linh
pham



Data File: \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060603.D Page 1
Report Date: 13-Jun-2023 13:00

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060603.D
Lab Smp Id: VSTD000.5 Client Smp ID: VSTD000.5
Inj Date : 06-JUN-2023 11:37
Operator : PC Inst ID: VOA9.i
Smp Info : VSTD000.5;VSTD000.5;1;2;
Misc Info : V9;WATER;0;1;
Comment :
Method : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\8260C.m
Meth Date : 13-Jun-2023 13:00 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 11:15 Cal File: U060602.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

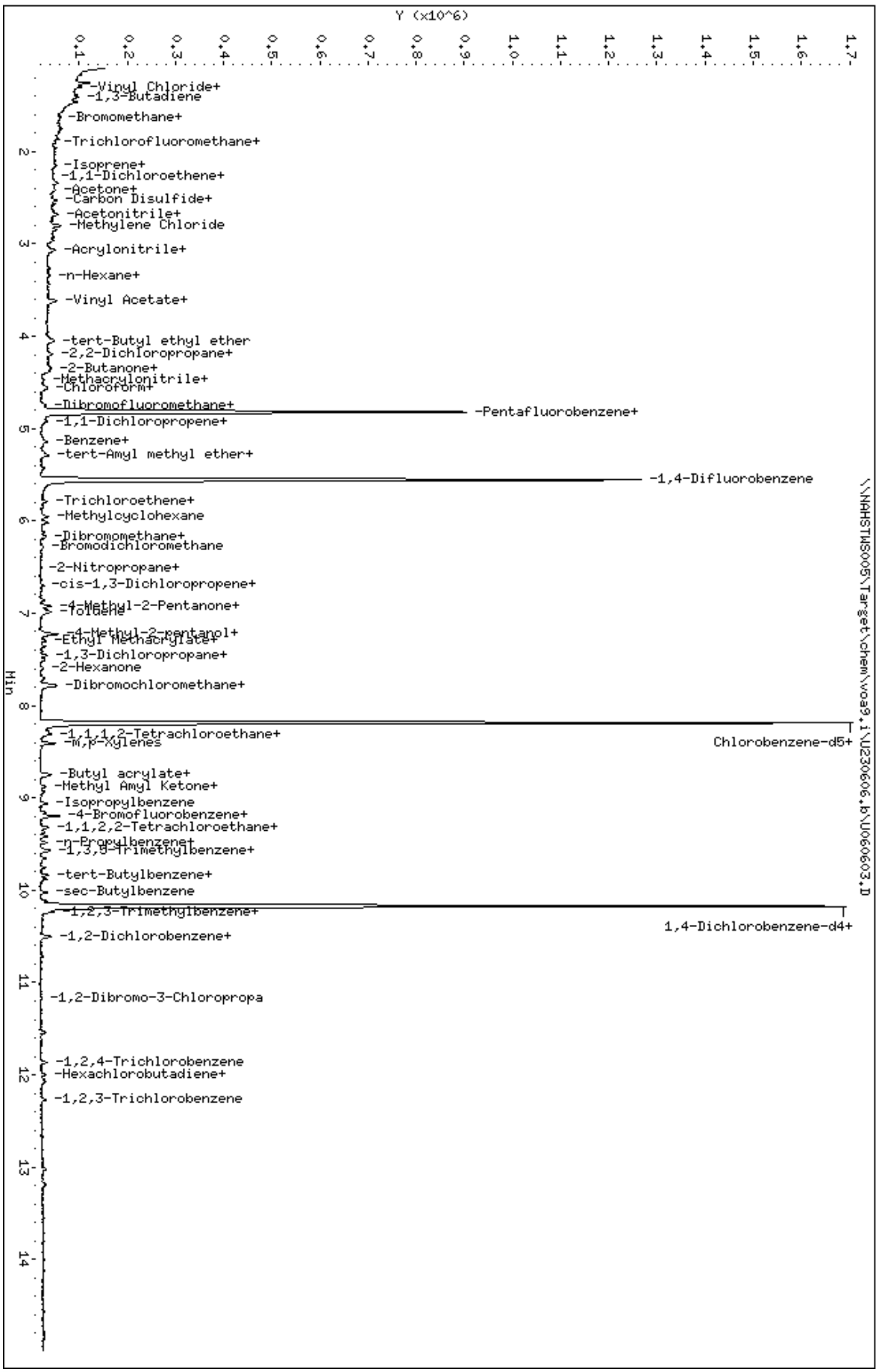
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
*	1 Pentafluorobenzene	168	4.819	4.819	(1.000)	671879	50.0000	
	2 Dichlorodifluoromethane	85	1.168	1.168	(0.242)	3237	0.50000	0.60(a)
	5 Vinyl Chloride	62	1.381	1.381	(0.287)	3572	0.50000	0.50(a)
	7 Chloroethane	64	1.704	1.704	(0.354)	2580	0.50000	0.53(aM)
	15 Iodomethane	142	2.480	2.480	(0.515)	1872	1.00000	10.30(T)
	19 Carbon Disulfide	76	2.525	2.525	(0.524)	13120	1.00000	0.96(a)
	20 trans-1,2-Dichloroethene	96	3.065	3.065	(0.636)	2954	0.50000	0.53(a)
	22 1,1-Dichloroethane	63	3.518	3.518	(0.730)	6153	0.50000	0.58(a)
	24 2-Butanone	43	4.272	4.272	(0.886)	3610	1.00000	1.17(aM)
	26 2,2-Dichloropropane	77	4.193	4.193	(0.870)	3685	0.50000	0.92(a)
	29 Bromochloromethane	128	4.470	4.470	(0.928)	2104	0.50000	0.56(a)
$	30 Dibromofluoromethane	113	4.751	4.751	(0.986)	3644	0.50000	0.33(aM)
	31 1,1,1-Trichloroethane	97	4.744	4.744	(0.984)	4434	0.50000	0.53(aM)
$	35 1,2-Dichloroethane-d4	65	5.104	5.104	(1.059)	3795	0.50000	(aM)
*	36 1,4-Difluorobenzene	114	5.554	5.554	(1.000)	991670	50.0000	
	46 cis-1,3-Dichloropropene	75	6.693	6.693	(1.205)	4533	0.50000	2.34(aM)
*	47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	921846	50.0000	
$	48 Toluene-d8	98	6.922	6.922	(0.846)	14408	0.50000	0.69(aM)
	50 Toluene	91	6.986	6.986	(0.853)	13471	0.50000	0.53(aM)
	51 trans-1,3-Dichloropropene	75	7.203	7.203	(1.297)	4073	0.50000	2.48(aM)

54	1,3-Dichloropropane	76	7.503	7.503 (0.917)	5569	0.50000	0.52(a)
57	1,2-Dibromoethane	107	7.792	7.792 (0.952)	3622	0.50000	0.56(aM)

							AMOUNTS	
		QUANT SIG					CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/l)	(ug/l)
	58 1-Chlorohexane	55	8.200	8.200	(1.477)	2785	0.50000	0.54(aM)
	59 Chlorobenzene	112	8.208	8.208	(1.003)	8858	0.50000	0.49(a)
	60 1,1,1,2-Tetrachloroethane	131	8.286	8.286	(1.012)	3117	0.50000	0.50(a)
	62 m,p-Xylenes	106	8.410	8.410	(1.027)	9164	1.00000	0.93(aM)
	68 1,1,2,2-Tetrachloroethane	83	9.332	9.332	(0.917)	4333	0.50000	0.50(aM)
$	69 4-Bromofluorobenzene	95	9.194	9.194	(1.123)	5007	0.50000	(aM)
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	456421	50.0000	
	83 1,3-Dichlorobenzene	146	10.116	10.116	(0.994)	6595	0.50000	0.50(a)
	93 1,2,3-Trichlorobenzene	180	12.271	12.271	(1.206)	4090	0.50000	0.46(aM)
M	94 1,2-Dichloroethylene (total)	96				6594	1.00000	(a)
	141 Cyclohexane	56	4.796	4.796	(0.995)	4345	0.50000	0.72(aM)
	138 Freon TF	101	2.341	2.341	(0.486)	2391	0.50000	0.52(aM)
	140 1,3-Butadiene	54	1.408	1.408	(0.292)	2958	0.50000	0.46(a)
	13 Acetonitrile	39	2.678	2.678	(0.556)	4044	5.00000	5.55(a)
	40 Methyl Methacrylate	41	6.165	6.165	(1.279)	3083	0.50000	0.53(aM)
	4 Propionitrile	54	4.347	4.347	(0.902)	5579	5.00000	5.74(aM)
	136 n-Hexane	57	3.353	3.353	(0.696)	2983	0.50000	0.65(a)
	200 Dimethyl Disulfide	94	6.746	6.746	(0.824)	1341	0.50000	4.71(aM)
	166 1,2,3-Trimethylbenzene	105	10.236	10.236	(1.006)	9904	0.50000	0.56(a)
	145 alpha-Methylstyrene	118	9.756	9.756	(0.959)	3201	0.50000	3.88(a)
	156 Diisopropyl ether	45	3.627	3.627	(0.753)	10933	0.50000	0.58(a)
	151 4-Methyl-2-pentanol	45	7.226	7.226	(1.301)	20153	10.0000	13.66
	150 Allyl alcohol	57	3.353	3.353	(0.696)	2691	10.0000	12.72(M)
	86 Benzyl Chloride	91	10.315	10.315	(1.260)	1867	0.50000	3.78(aM)
	162 Butyl acrylate	55	8.740	8.740	(1.068)	6005	0.50000	0.55(a)
	139 Diethyl ether	59	2.150	2.150	(0.446)	2812	0.50000	0.61(aM)
	203 2-Ethylhexyl Acrylate	55	12.043	12.043	(1.184)	2309	0.50000	2.27(a)
	130 Ethyl Acetate	43	4.272	4.272	(0.886)	3781	0.50000	0.62(TaM)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.



Data File: \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060603.D
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Client ID: VSTD000.5
Sample Info: VSTD000.5;VSTD000.5;1;2;
Purge Volume: 5.0
Column phase: DB624

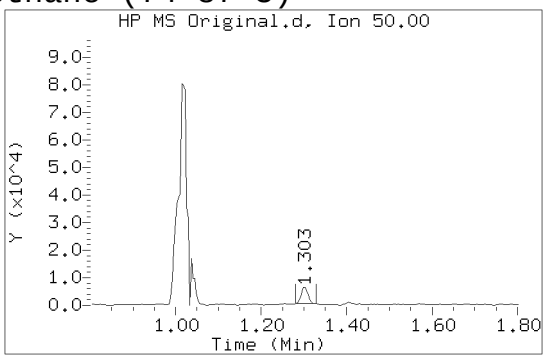
Instrument: VOA9.i
Operator: PC
Column diameter: 0.18

Data File : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060603.D
Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

Chloromethane (74-87-3)

BEFORE

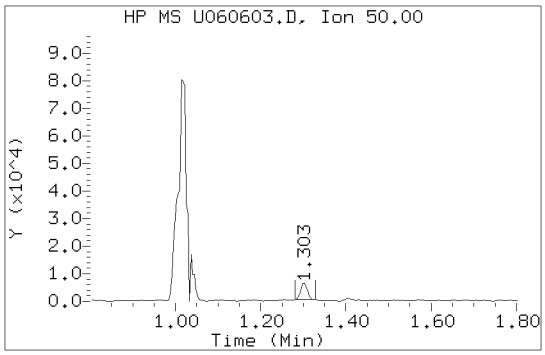
MASS
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AREA
6740
HEIGHT
5876
08-Jun-2023
14:56
linh
pham



Reason Code:

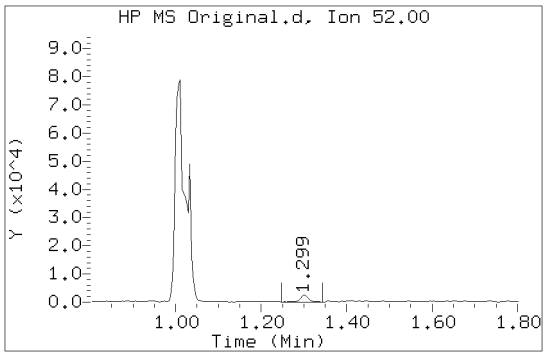
AFTER

MASS
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AREA
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HEIGHT
5876
13-Jun-2023
13:00
linh
pham



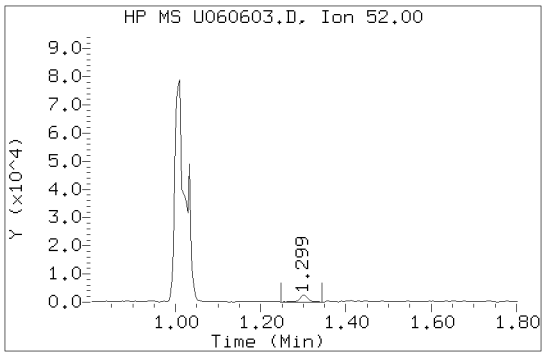
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2605
08-Jun-2023
14:56
linh
pham



AFTER

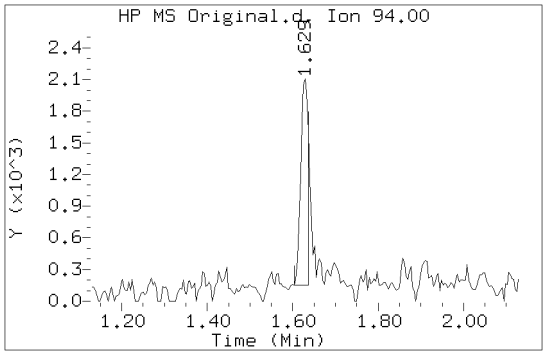
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3856
HEIGHT
2605
13-Jun-2023
13:00
linh
pham



Bromomethane (74-83-9)

BEFORE

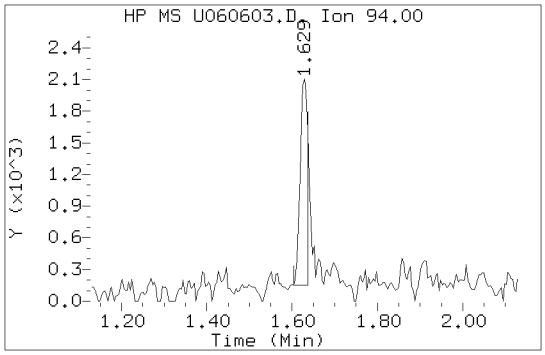
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2378
HEIGHT
1953
08-Jun-2023
14:56
linh
pham



Reason Code:

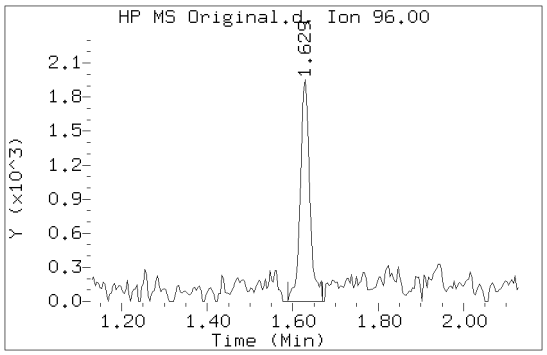
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MASS
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HEIGHT
1953
13-Jun-2023
13:00
linh
pham



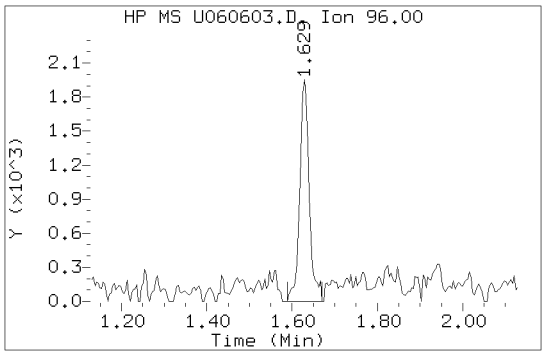
BEFORE

MASS
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AREA
3081
HEIGHT
1953
08-Jun-2023
14:56
linh
pham



AFTER

MASS
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AREA
3081
HEIGHT
1953
13-Jun-2023
13:00
linh
pham



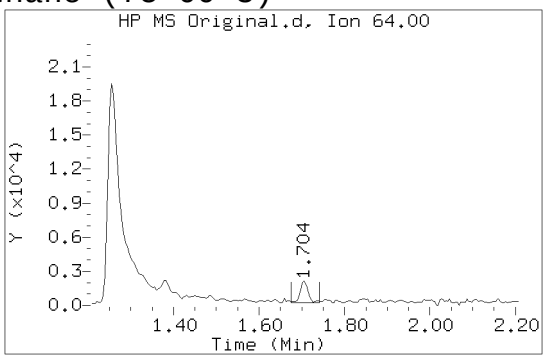
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InstruID : VOA9.i
LabSampID : VSTD000.5

Chloroethane (75-00-3)

Reason Code:

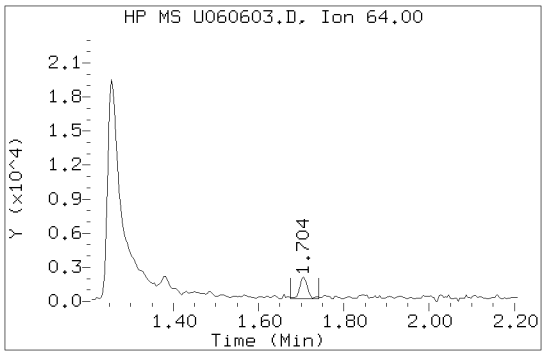
BEFORE

MASS
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AREA
2580
HEIGHT
1940
08-Jun-2023
14:56
linh
pham



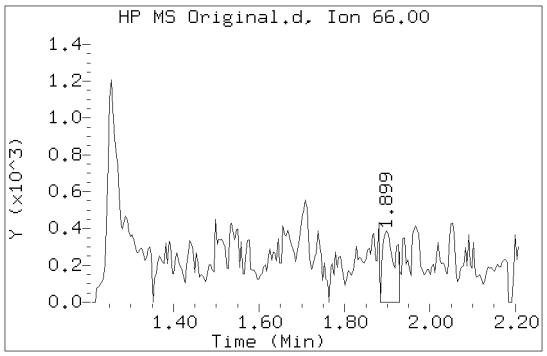
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13-Jun-2023
13:00
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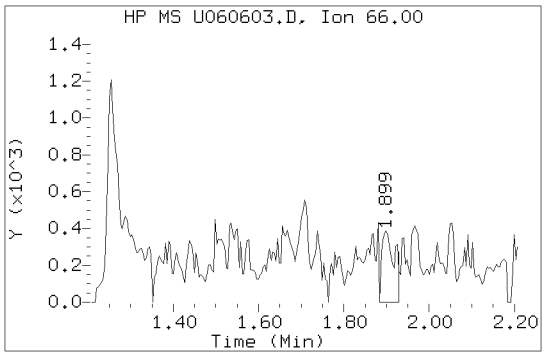
BEFORE

MASS
66
AREA
783
HEIGHT
389
08-Jun-2023
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AFTER

MASS
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AREA
783
HEIGHT
389
13-Jun-2023
13:00
linh
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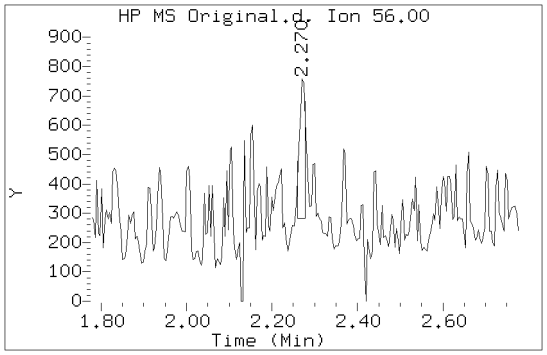


Acrolein (107-02-8)

Reason Code:

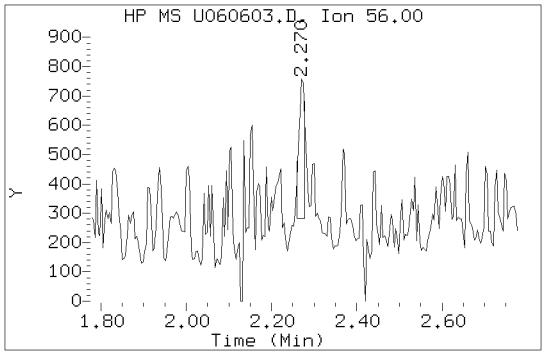
BEFORE

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HEIGHT
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08-Jun-2023
14:56
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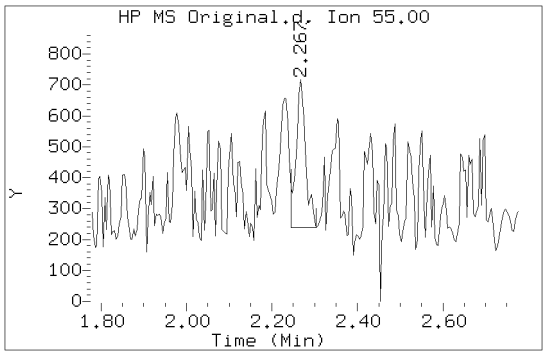
AFTER

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HEIGHT
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13-Jun-2023
13:00
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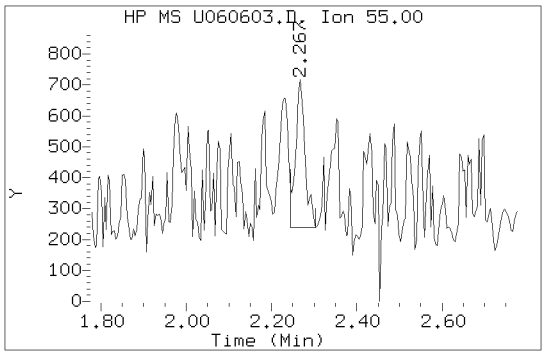
BEFORE

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HEIGHT
478
08-Jun-2023
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AFTER

MASS
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AREA
750
HEIGHT
478
13-Jun-2023
13:00
linh
pham



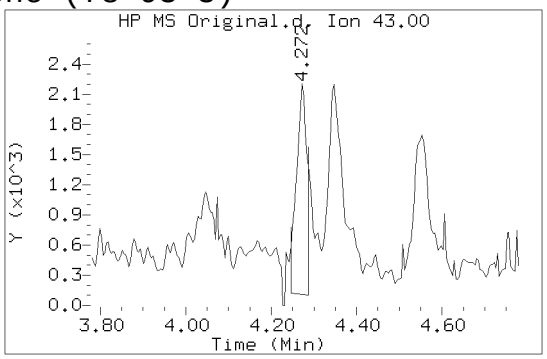
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Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

2-Butanone (78-93-3)

Reason Code:

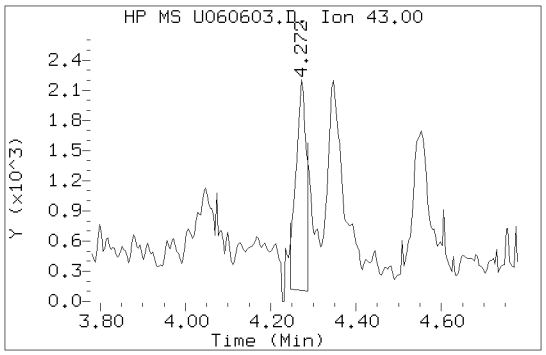
BEFORE

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AREA
3610
HEIGHT
2093
08-Jun-2023
14:56
linh
pham



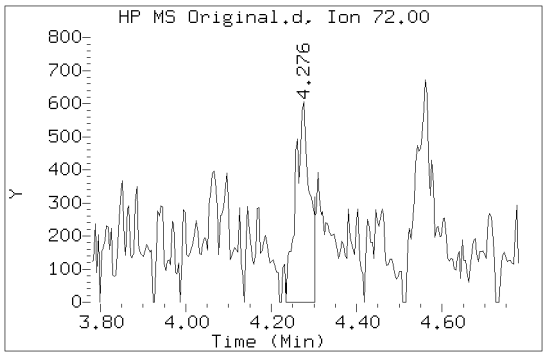
AFTER

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2093
13-Jun-2023
13:00
linh
pham



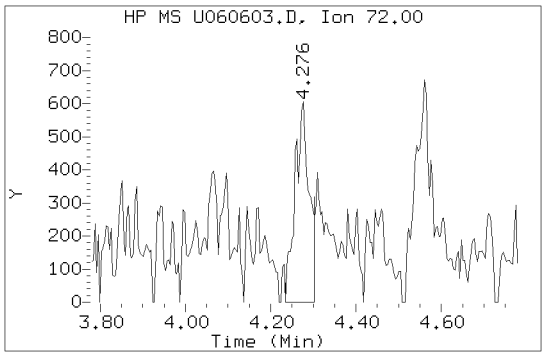
BEFORE

MASS
72
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1400
HEIGHT
606
08-Jun-2023
14:56
linh
pham



AFTER

MASS
72
AREA
1400
HEIGHT
606
13-Jun-2023
13:00
linh
pham

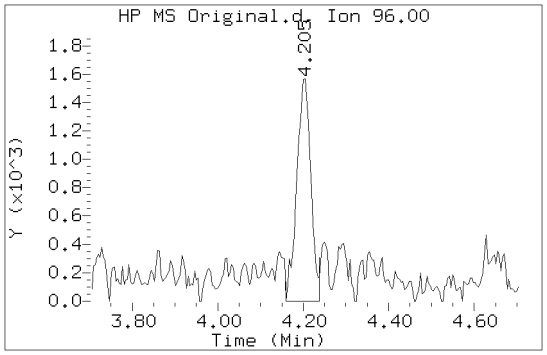


cis-1,2-Dichloroethene (156-59-2)

Reason Code:

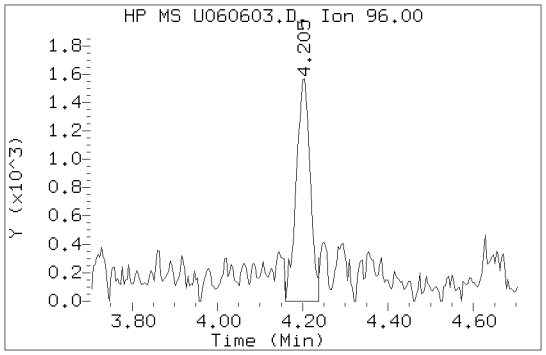
BEFORE

MASS
96
AREA
3640
HEIGHT
1571
08-Jun-2023
14:56
linh
pham



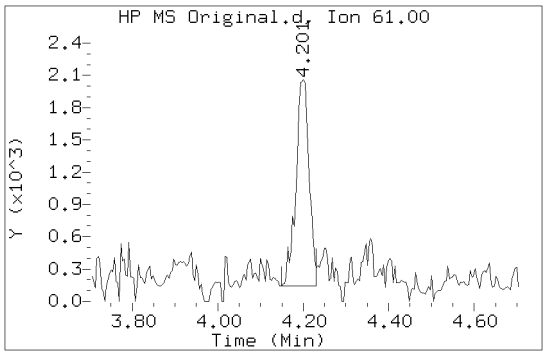
AFTER

MASS
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HEIGHT
1571
13-Jun-2023
13:00
linh
pham



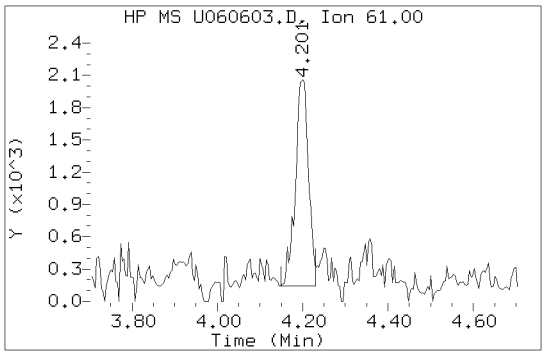
BEFORE

MASS
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HEIGHT
1915
08-Jun-2023
14:56
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AFTER

MASS
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AREA
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HEIGHT
1915
13-Jun-2023
13:00
linh
pham



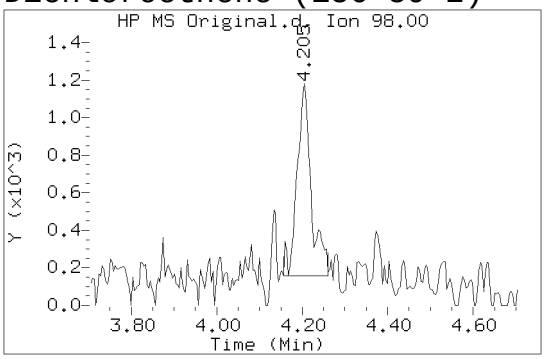
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Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

cis-1,2-Dichloroethene (156-59-2)

Reason Code:

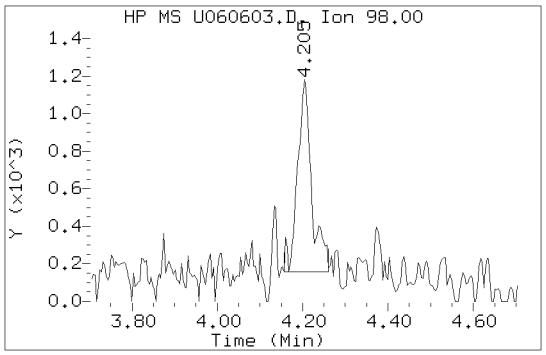
BEFORE

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HEIGHT
1023
08-Jun-2023
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AFTER

MASS
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2375
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1023
13-Jun-2023
13:00
linh
pham

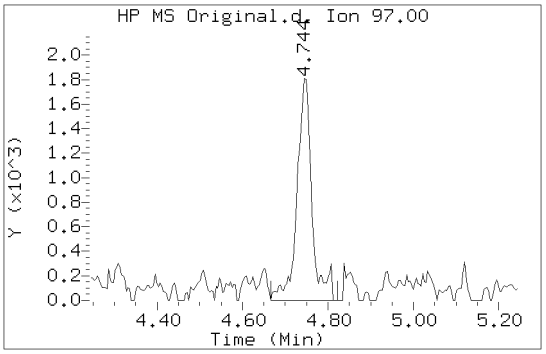


1,1,1-Trichloroethane (71-55-6)

Reason Code:

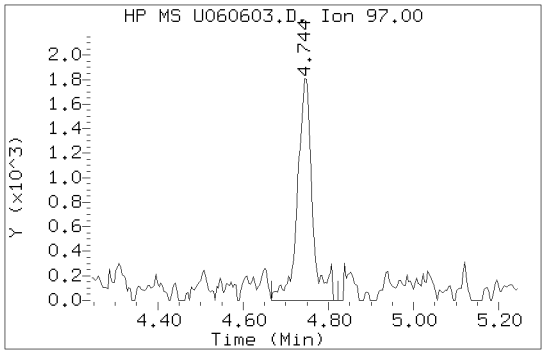
BEFORE

MASS
97
AREA
4434
HEIGHT
1807
08-Jun-2023
14:56
linh
pham



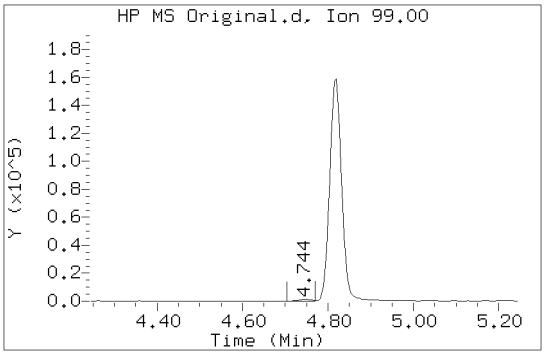
AFTER

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13-Jun-2023
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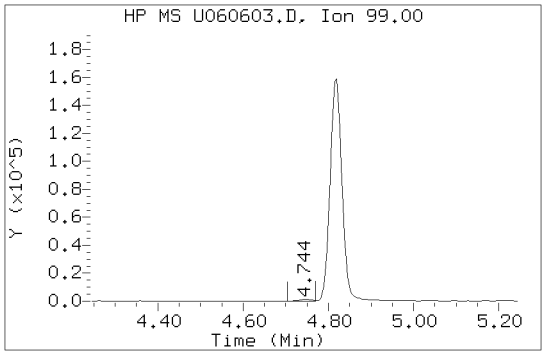
BEFORE

MASS
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AREA
2413
HEIGHT
1165
08-Jun-2023
14:56
linh
pham



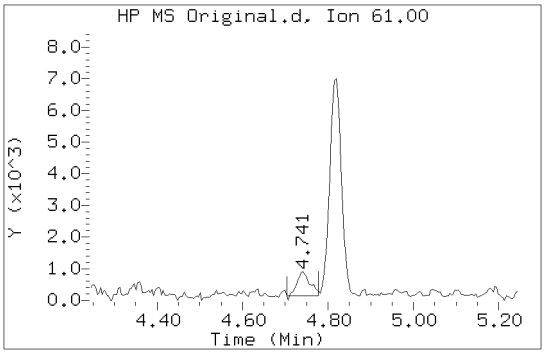
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pham



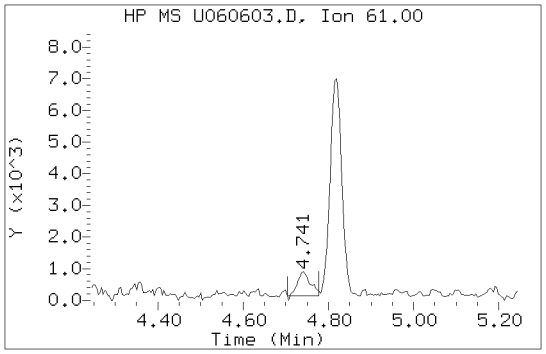
BEFORE

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HEIGHT
774
08-Jun-2023
14:56
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pham



AFTER

MASS
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AREA
1649
HEIGHT
774
13-Jun-2023
13:00
linh
pham



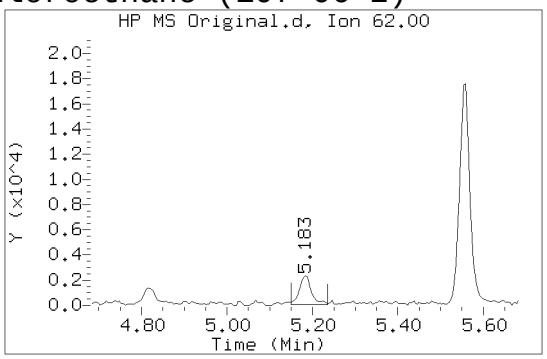
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LabSampID : VSTD000.5

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

Reason Code:

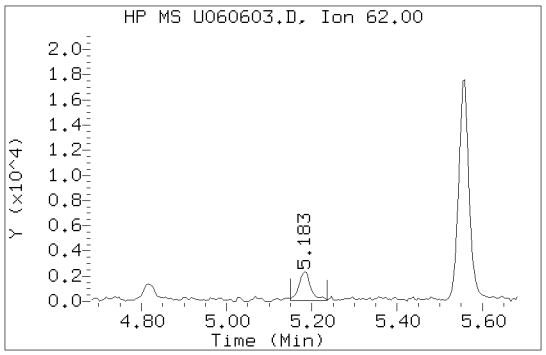
BEFORE

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AREA
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HEIGHT
2294
08-Jun-2023
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linh
pham



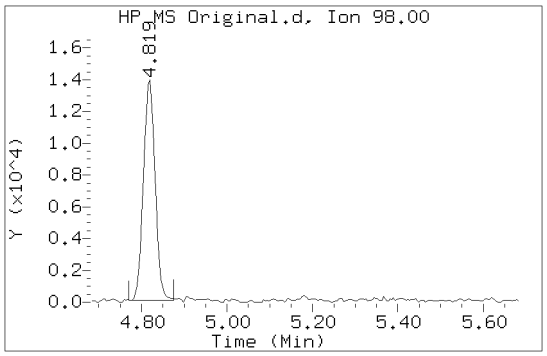
AFTER

MASS
62
AREA
4646
HEIGHT
2294
13-Jun-2023
13:00
linh
pham



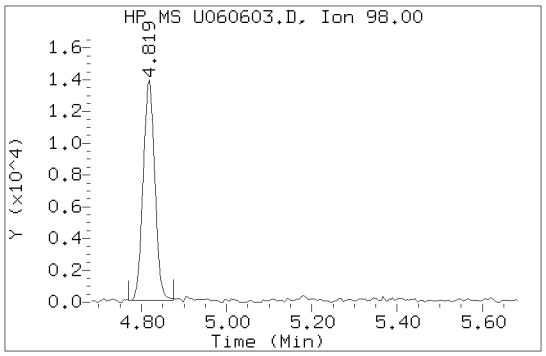
BEFORE

MASS
98
AREA
26343
HEIGHT
13869
08-Jun-2023
14:56
linh
pham



AFTER

MASS
98
AREA
26343
HEIGHT
13869
13-Jun-2023
13:00
linh
pham

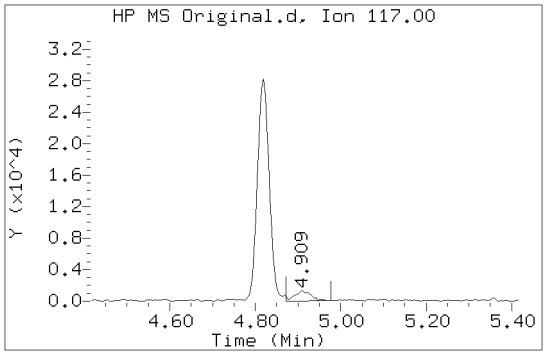


Carbon Tetrachloride (56-23-5)

Reason Code:

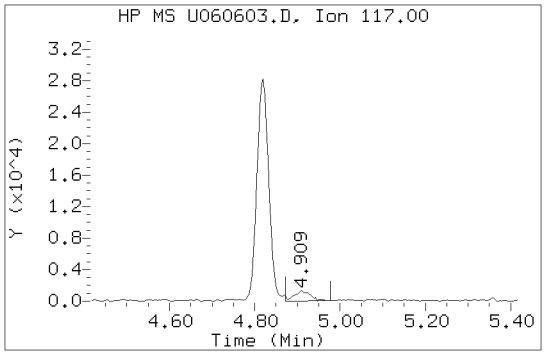
BEFORE

MASS
117
AREA
3518
HEIGHT
1311
08-Jun-2023
14:56
linh
pham



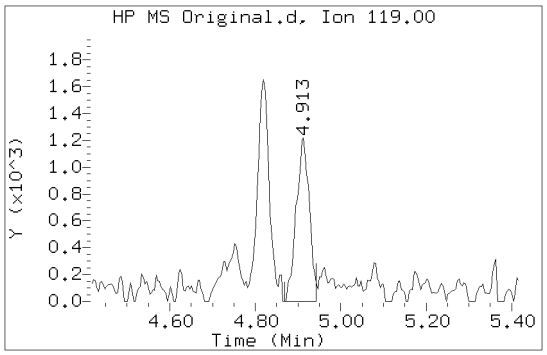
AFTER

MASS
117
AREA
3518
HEIGHT
1311
13-Jun-2023
13:00
linh
pham



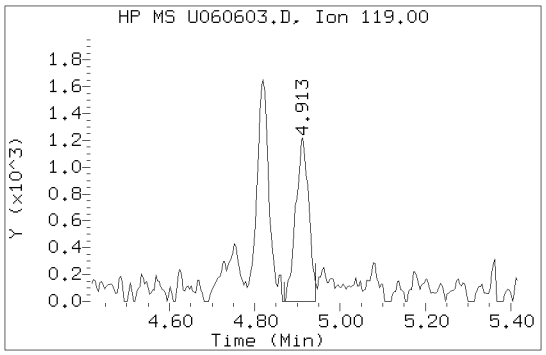
BEFORE

MASS
119
AREA
2642
HEIGHT
1217
08-Jun-2023
14:56
linh
pham



AFTER

MASS
119
AREA
2642
HEIGHT
1217
13-Jun-2023
13:00
linh
pham

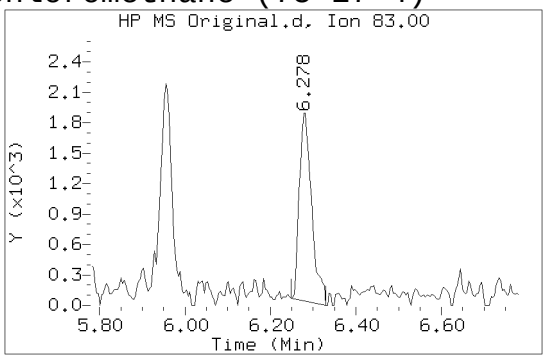


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Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

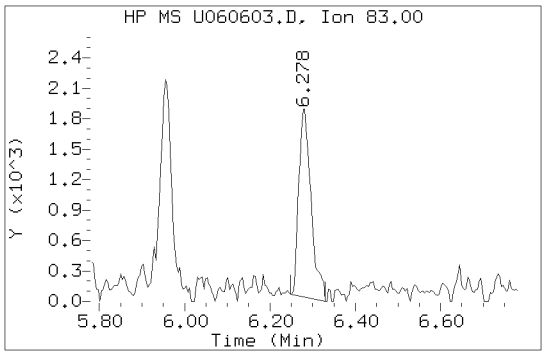
Bromodichloromethane (75-27-4)

Reason Code:

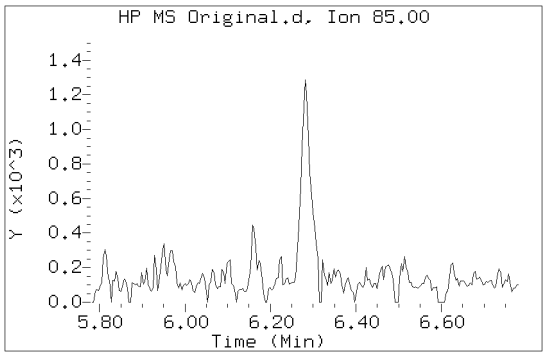
BEFORE
MASS
83
AREA
3797
HEIGHT
1853
08-Jun-2023
14:56
linh
pham



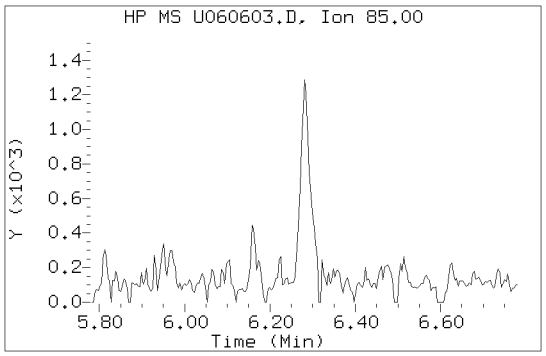
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83
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3797
HEIGHT
1853
13-Jun-2023
13:00
linh
pham



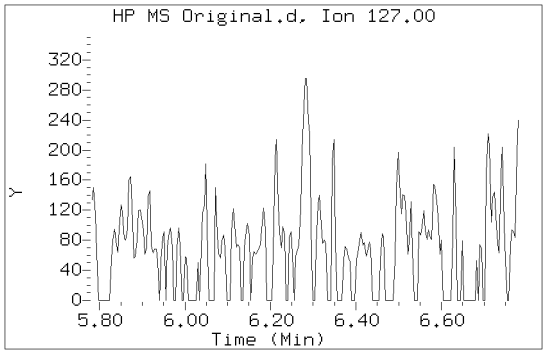
BEFORE
MASS
85
AREA
0
HEIGHT
0
08-Jun-2023
14:56
linh
pham



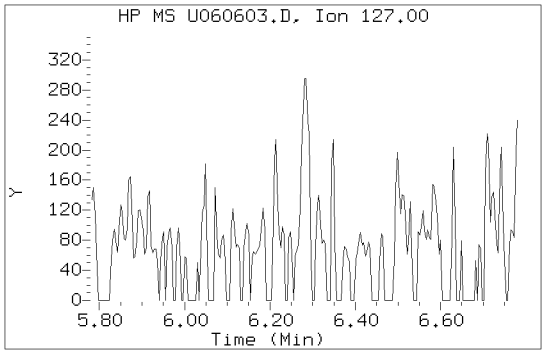
AFTER
MASS
85
AREA
0
HEIGHT
0
13-Jun-2023
13:00
linh
pham



BEFORE
MASS
127
AREA
0
HEIGHT
0
08-Jun-2023
14:56
linh
pham



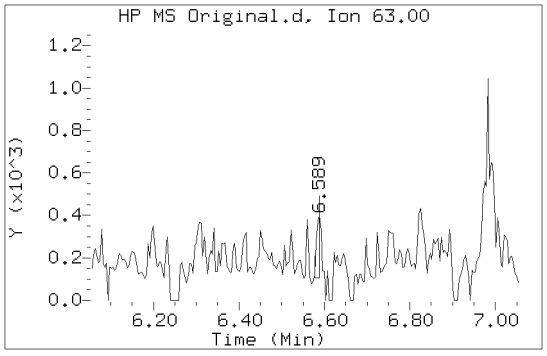
AFTER
MASS
127
AREA
0
HEIGHT
0
13-Jun-2023
13:00
linh
pham



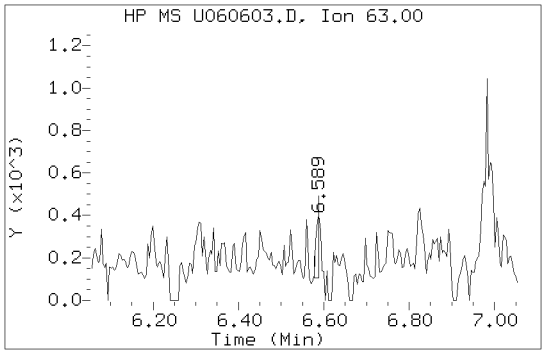
2-Chloroethylvinyl ether (110-75-8)

Reason Code:

BEFORE
MASS
63
AREA
169
HEIGHT
296
08-Jun-2023
14:56
linh
pham



AFTER
MASS
63
AREA
169
HEIGHT
296
13-Jun-2023
13:00
linh
pham

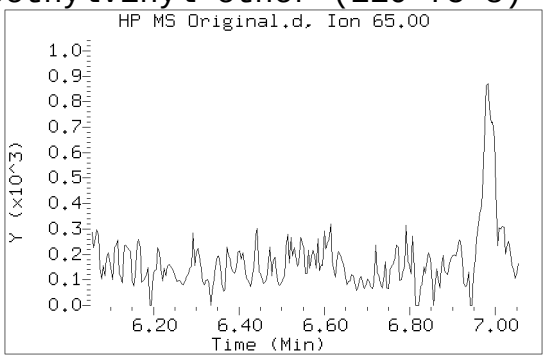


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Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

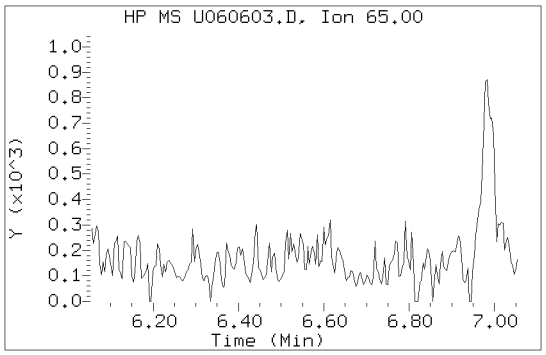
2-Chloroethylvinyl ether (110-75-8)

Reason Code:

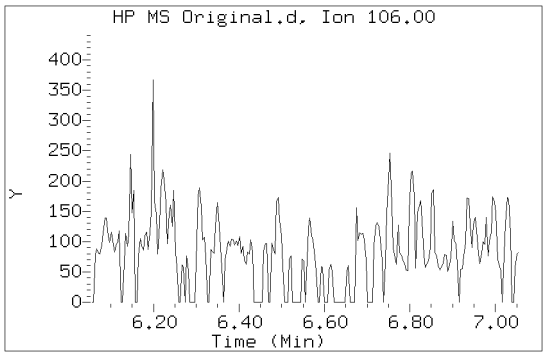
BEFORE
MASS
65
AREA
0
HEIGHT
0
08-Jun-2023
14:56
linh
pham



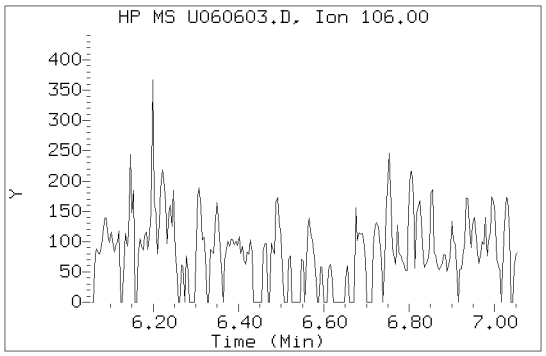
AFTER
MASS
65
AREA
0
HEIGHT
0
13-Jun-2023
13:00
linh
pham



BEFORE
MASS
106
AREA
0
HEIGHT
0
08-Jun-2023
14:56
linh
pham



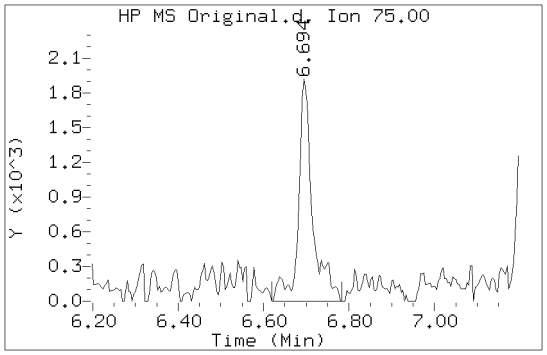
AFTER
MASS
106
AREA
0
HEIGHT
0
13-Jun-2023
13:00
linh
pham



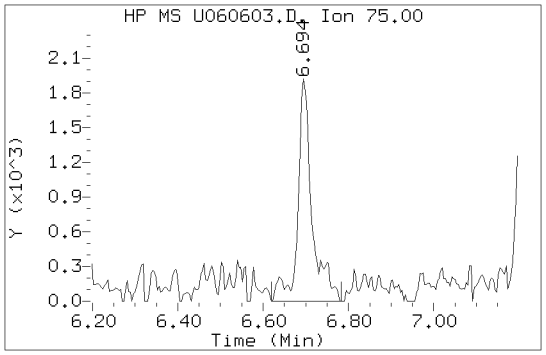
cis-1,3-Dichloropropene (10061-01-5)

Reason Code:

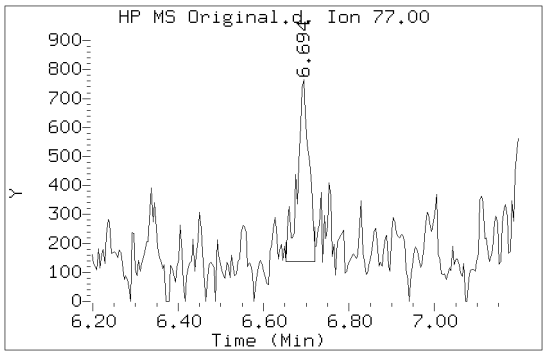
BEFORE
MASS
75
AREA
4533
HEIGHT
1923
08-Jun-2023
14:56
linh
pham



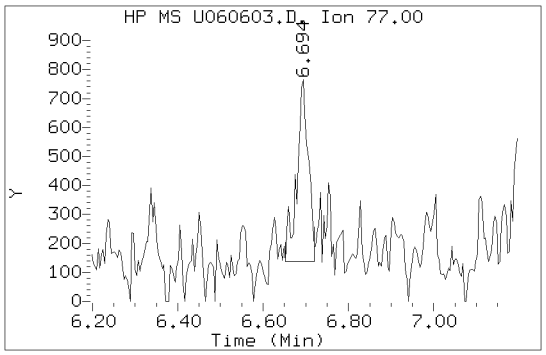
AFTER
MASS
75
AREA
4533
HEIGHT
1923
13-Jun-2023
13:00
linh
pham



BEFORE
MASS
77
AREA
1180
HEIGHT
628
08-Jun-2023
14:56
linh
pham



AFTER
MASS
77
AREA
1180
HEIGHT
628
13-Jun-2023
13:00
linh
pham



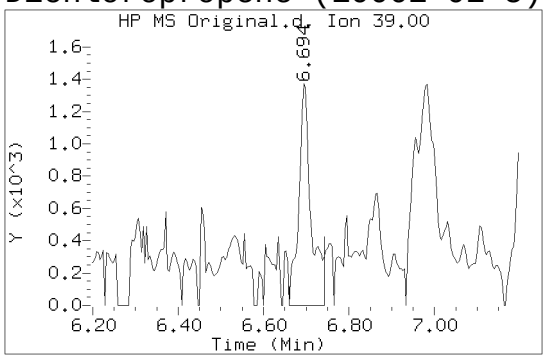
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Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

cis-1,3-Dichloropropene (10061-01-5)

Reason Code:

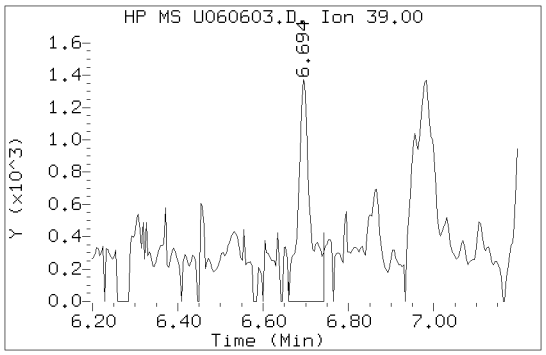
BEFORE

MASS
39
AREA
2809
HEIGHT
1372
08-Jun-2023
14:56
linh
pham



AFTER

MASS
39
AREA
2809
HEIGHT
1372
13-Jun-2023
13:00
linh
pham

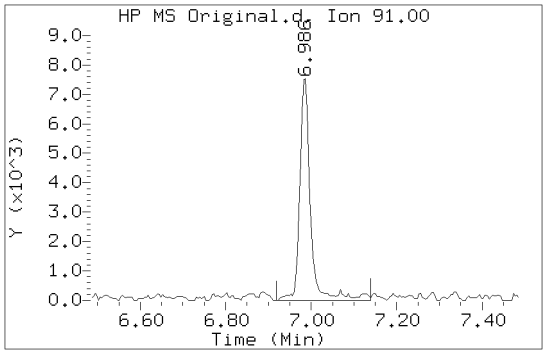


Toluene (108-88-3)

Reason Code:

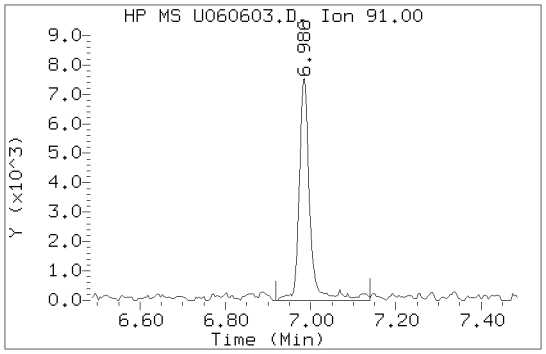
BEFORE

MASS
91
AREA
13471
HEIGHT
7534
08-Jun-2023
14:56
linh
pham



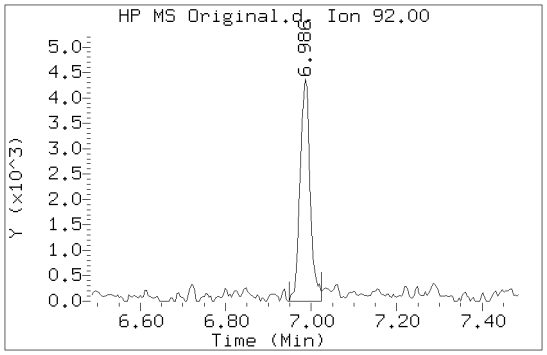
AFTER

MASS
91
AREA
13471
HEIGHT
7534
13-Jun-2023
13:00
linh
pham



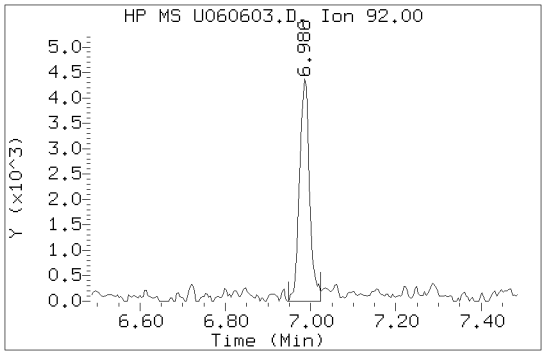
BEFORE

MASS
92
AREA
7328
HEIGHT
4373
08-Jun-2023
14:56
linh
pham



AFTER

MASS
92
AREA
7328
HEIGHT
4373
13-Jun-2023
13:00
linh
pham

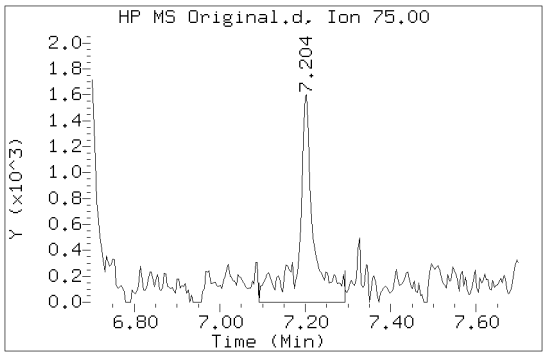


trans-1,3-Dichloropropene (10061-02-6)

Reason Code:

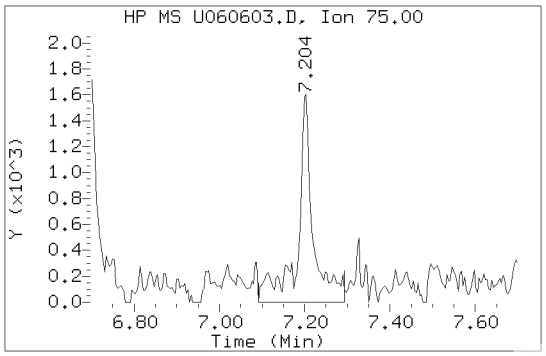
BEFORE

MASS
75
AREA
4073
HEIGHT
1603
08-Jun-2023
14:56
linh
pham



AFTER

MASS
75
AREA
4073
HEIGHT
1603
13-Jun-2023
13:00
linh
pham

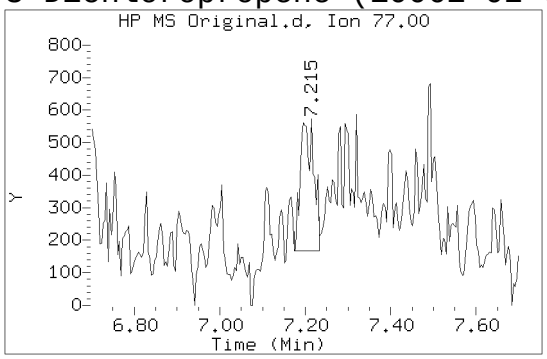


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InstruID : VOA9.i
LabSampID : VSTD000.5

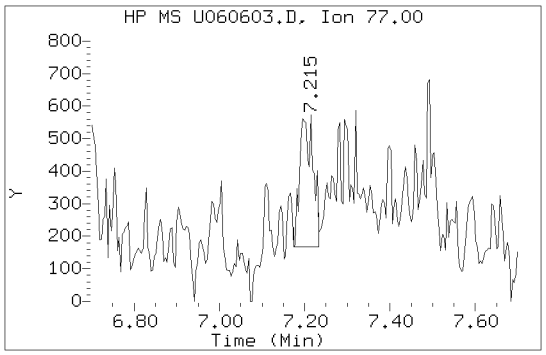
trans-1,3-Dichloropropene (10061-02-6)

Reason Code:

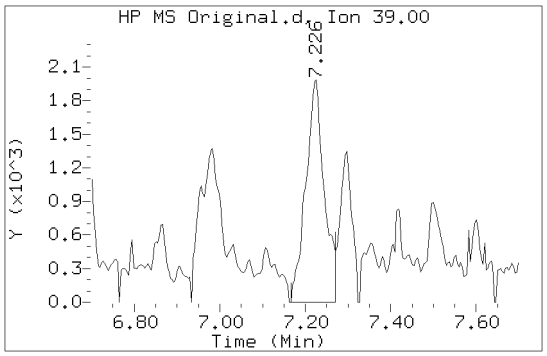
BEFORE
MASS
77
AREA
877
HEIGHT
407
08-Jun-2023
14:56
linh
pham



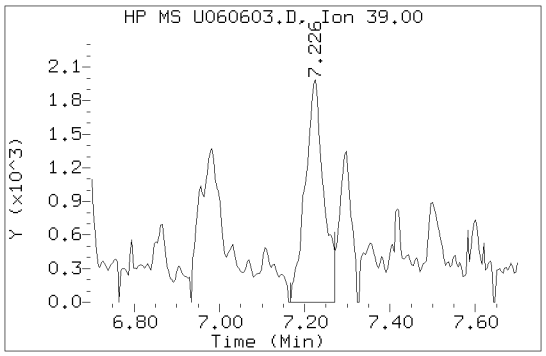
AFTER
MASS
77
AREA
877
HEIGHT
407
13-Jun-2023
13:00
linh
pham



BEFORE
MASS
39
AREA
6017
HEIGHT
1985
08-Jun-2023
14:56
linh
pham



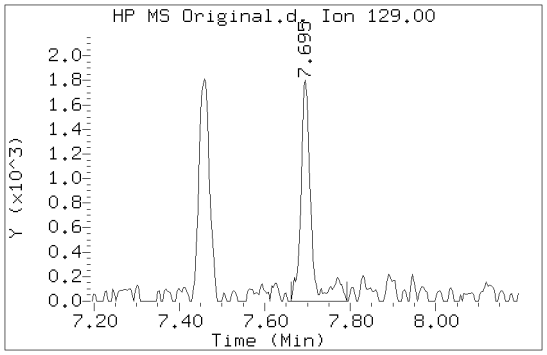
AFTER
MASS
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AREA
6017
HEIGHT
1985
13-Jun-2023
13:00
linh
pham



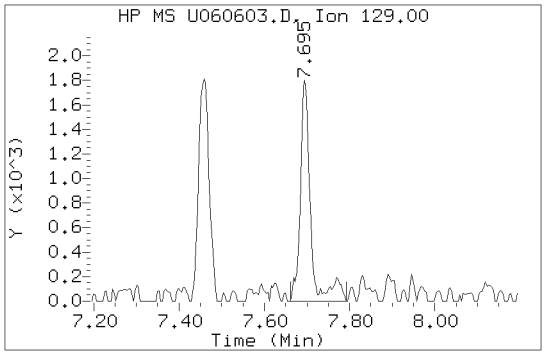
Dibromochloromethane (124-48-1)

Reason Code:

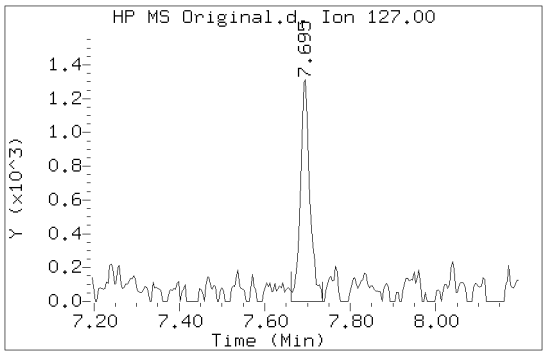
BEFORE
MASS
129
AREA
3068
HEIGHT
1800
08-Jun-2023
14:56
linh
pham



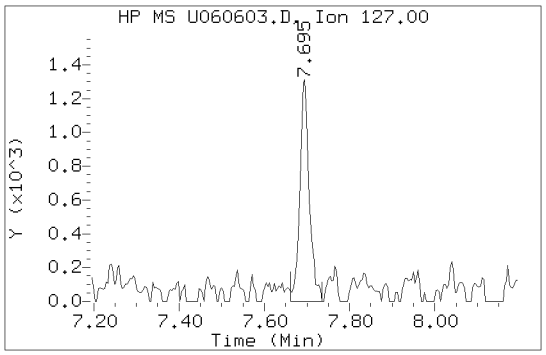
AFTER
MASS
129
AREA
3068
HEIGHT
1800
13-Jun-2023
13:00
linh
pham



BEFORE
MASS
127
AREA
2055
HEIGHT
1312
08-Jun-2023
14:56
linh
pham



AFTER
MASS
127
AREA
2055
HEIGHT
1312
13-Jun-2023
13:00
linh
pham



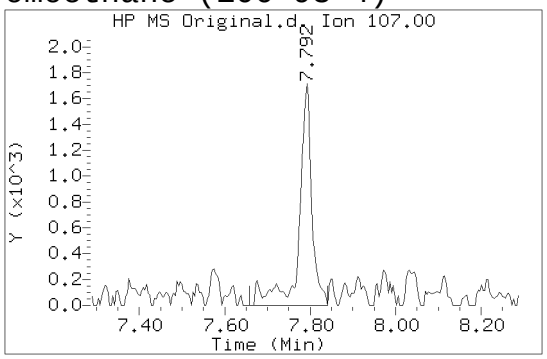
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Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

1,2-Dibromoethane (106-93-4)

Reason Code:

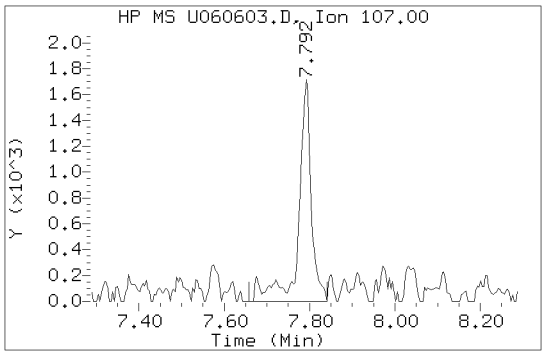
BEFORE

MASS
107
AREA
3622
HEIGHT
1715
08-Jun-2023
14:56
linh
pham



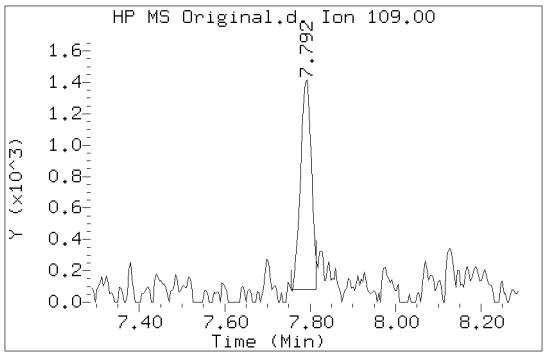
AFTER

MASS
107
AREA
3622
HEIGHT
1715
13-Jun-2023
13:00
linh
pham



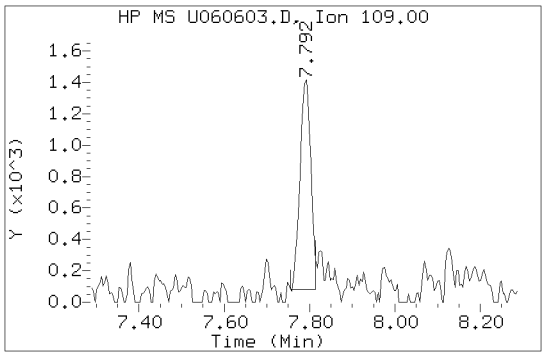
BEFORE

MASS
109
AREA
2422
HEIGHT
1334
08-Jun-2023
14:56
linh
pham



AFTER

MASS
109
AREA
2422
HEIGHT
1334
13-Jun-2023
13:00
linh
pham

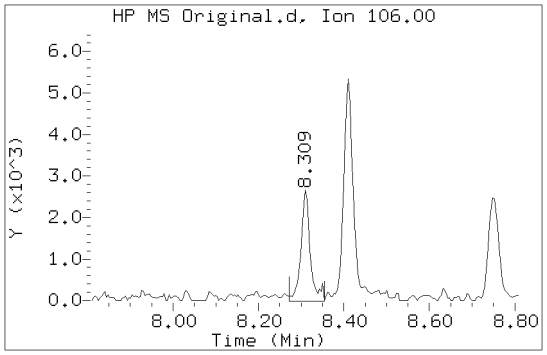


Ethylbenzene (100-41-4)

Reason Code:

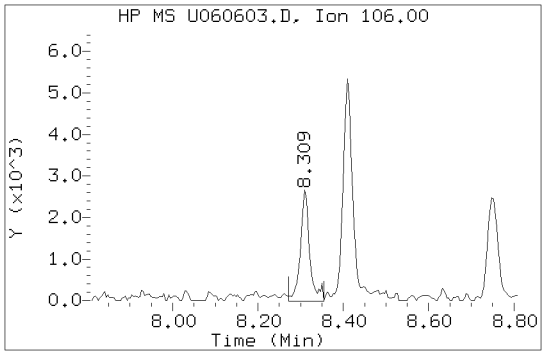
BEFORE

MASS
106
AREA
4142
HEIGHT
2674
08-Jun-2023
14:56
linh
pham



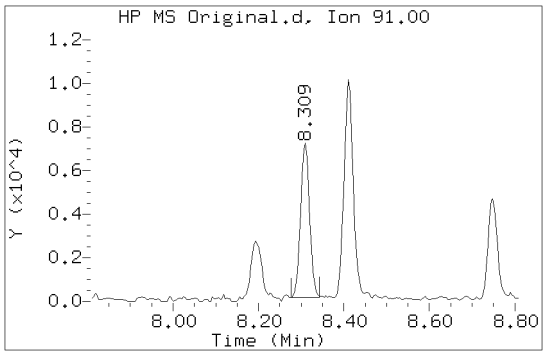
AFTER

MASS
106
AREA
4142
HEIGHT
2674
13-Jun-2023
13:00
linh
pham



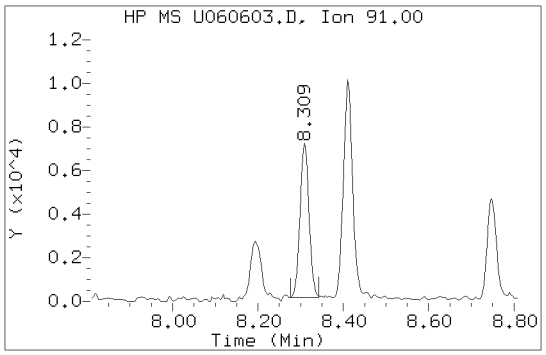
BEFORE

MASS
91
AREA
10611
HEIGHT
7101
08-Jun-2023
14:56
linh
pham



AFTER

MASS
91
AREA
10611
HEIGHT
7101
13-Jun-2023
13:00
linh
pham

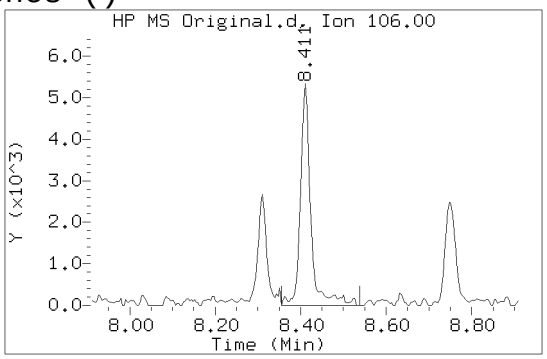


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Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

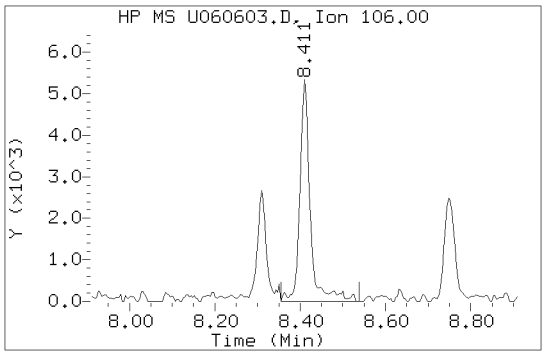
m,p-Xylenes ()

Reason Code:

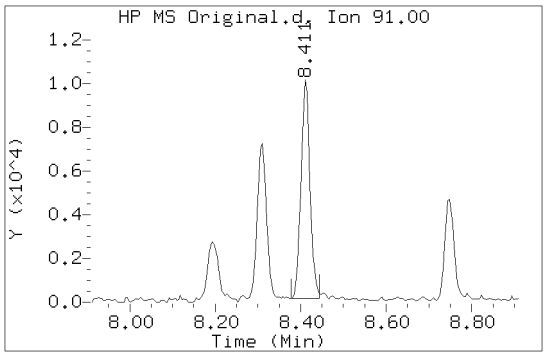
BEFORE
MASS
106
AREA
9164
HEIGHT
5338
08-Jun-2023
14:56
linh
pham



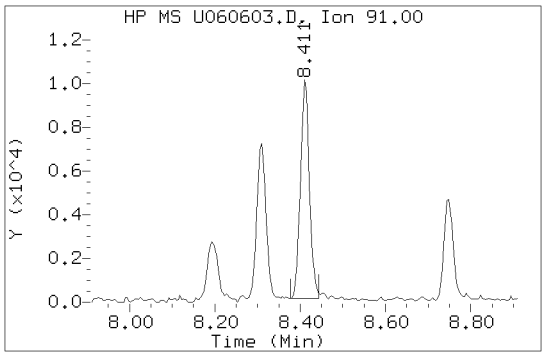
AFTER
MASS
106
AREA
9164
HEIGHT
5338
13-Jun-2023
13:00
linh
pham



BEFORE
MASS
91
AREA
14815
HEIGHT
9979
08-Jun-2023
14:56
linh
pham



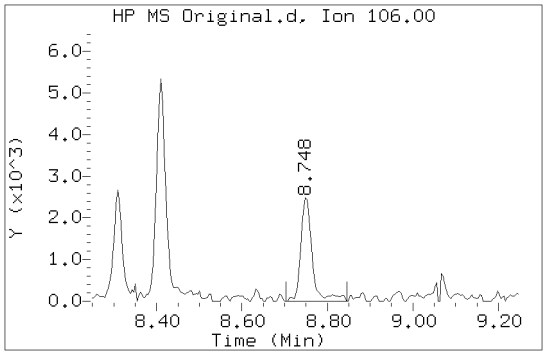
AFTER
MASS
91
AREA
14815
HEIGHT
9979
13-Jun-2023
13:00
linh
pham



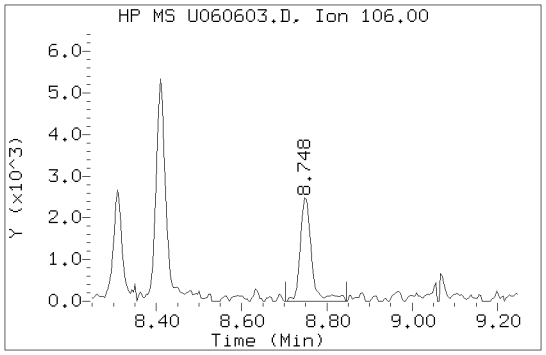
o-Xylene (95-47-6)

Reason Code:

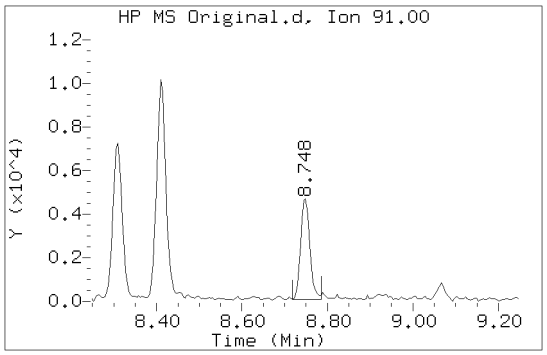
BEFORE
MASS
106
AREA
4736
HEIGHT
2481
08-Jun-2023
14:56
linh
pham



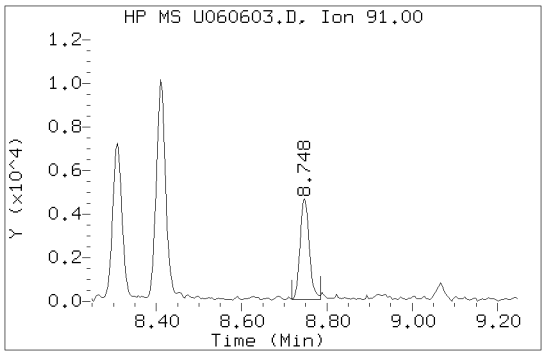
AFTER
MASS
106
AREA
4736
HEIGHT
2481
13-Jun-2023
13:00
linh
pham



BEFORE
MASS
91
AREA
7145
HEIGHT
4614
08-Jun-2023
14:56
linh
pham



AFTER
MASS
91
AREA
7145
HEIGHT
4614
13-Jun-2023
13:00
linh
pham



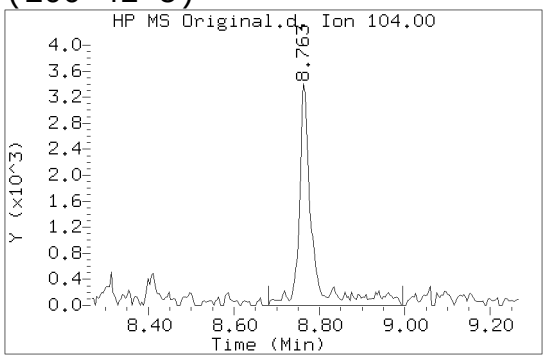
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Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

Styrene (100-42-5)

Reason Code:

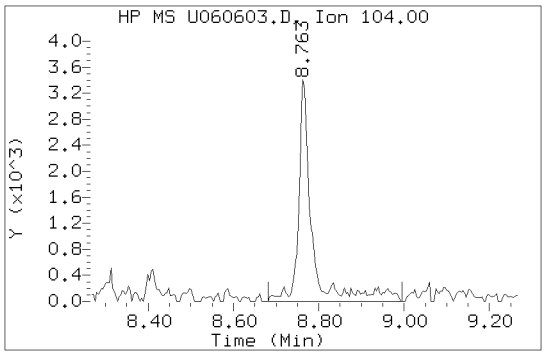
BEFORE

MASS
104
AREA
7547
HEIGHT
3407
08-Jun-2023
14:56
linh
pham



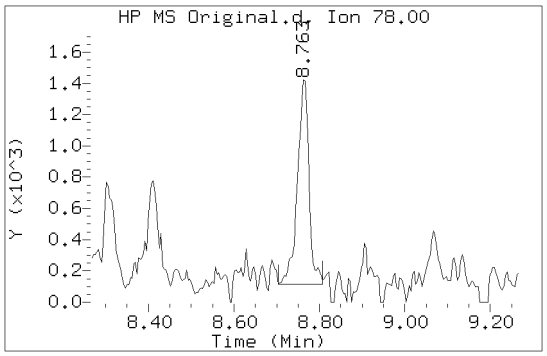
AFTER

MASS
104
AREA
7547
HEIGHT
3407
13-Jun-2023
13:00
linh
pham



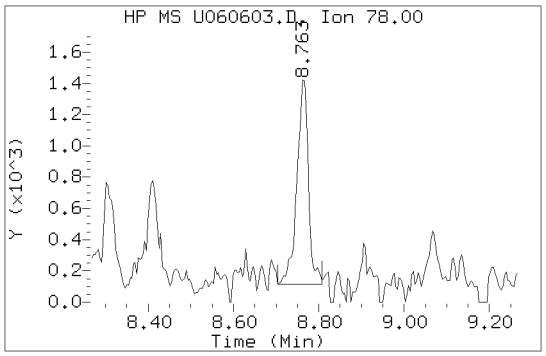
BEFORE

MASS
78
AREA
2506
HEIGHT
1307
08-Jun-2023
14:56
linh
pham



AFTER

MASS
78
AREA
2506
HEIGHT
1307
13-Jun-2023
13:00
linh
pham

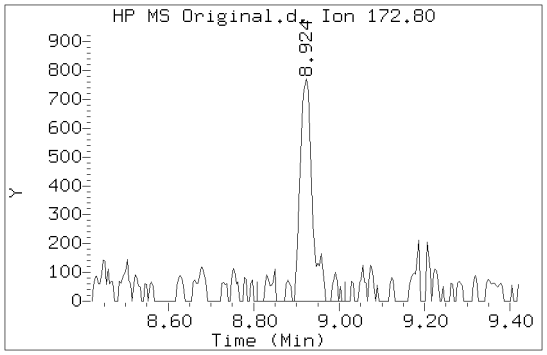


Bromoform (75-25-2)

Reason Code:

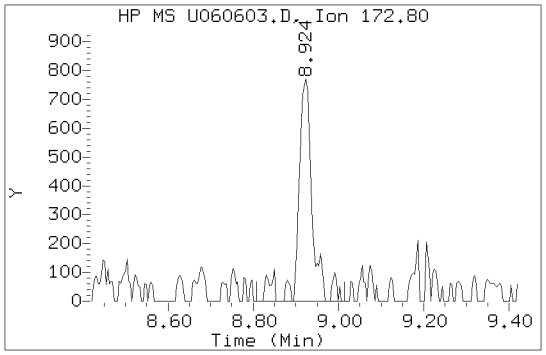
BEFORE

MASS
172.8
AREA
1797
HEIGHT
771
08-Jun-2023
14:56
linh
pham



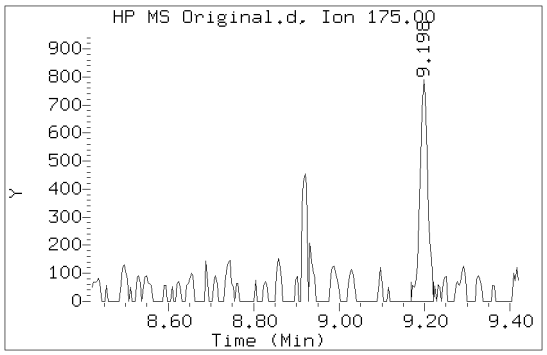
AFTER

MASS
172.8
AREA
1797
HEIGHT
771
13-Jun-2023
13:00
linh
pham



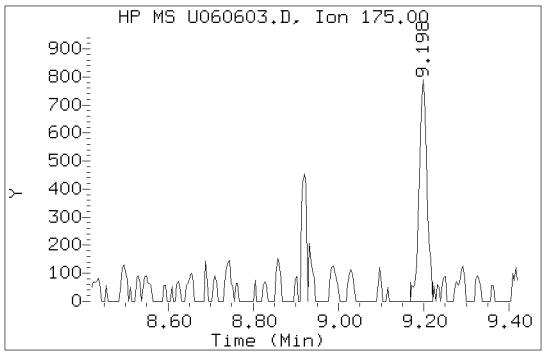
BEFORE

MASS
175
AREA
1005
HEIGHT
790
08-Jun-2023
14:56
linh
pham



AFTER

MASS
175
AREA
1005
HEIGHT
790
13-Jun-2023
13:00
linh
pham



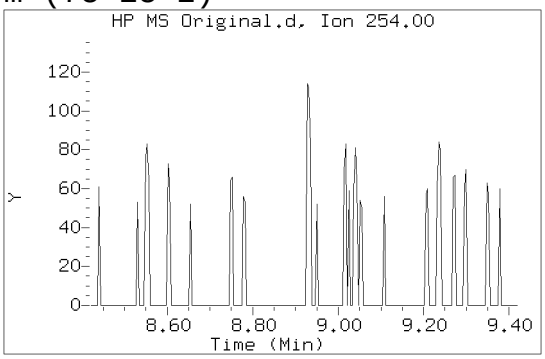
Data File : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060603.D
Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

Bromoform (75-25-2)

Reason Code:

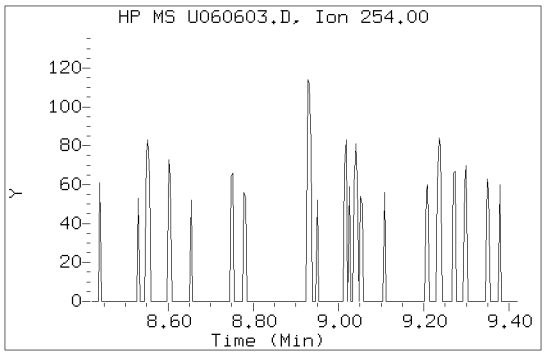
BEFORE

MASS
254
AREA
0
HEIGHT
0
08-Jun-2023
14:56
linh
pham



AFTER

MASS
254
AREA
0
HEIGHT
0
13-Jun-2023
13:00
linh
pham

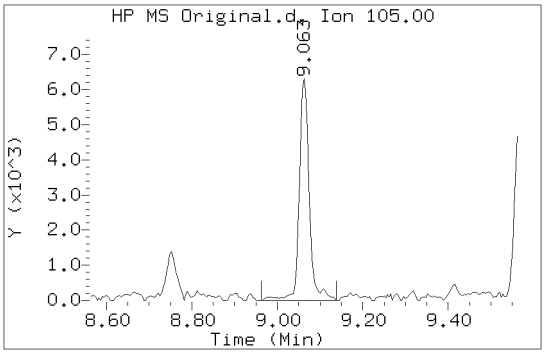


Isopropylbenzene (98-82-8)

Reason Code:

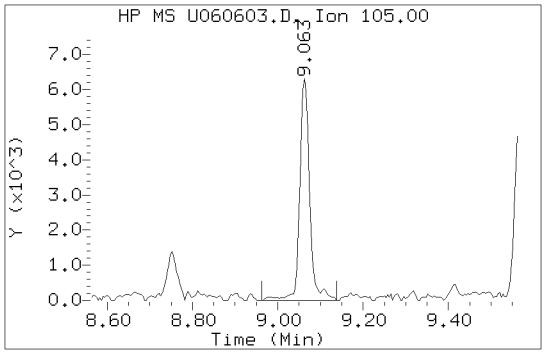
BEFORE

MASS
105
AREA
10525
HEIGHT
6310
08-Jun-2023
14:56
linh
pham



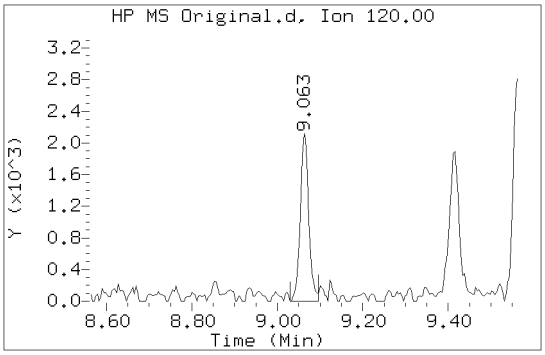
AFTER

MASS
105
AREA
10525
HEIGHT
6310
13-Jun-2023
13:00
linh
pham



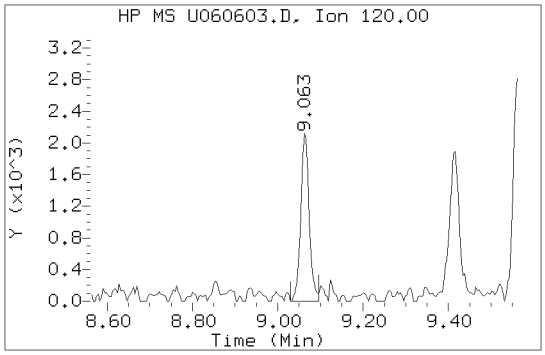
BEFORE

MASS
120
AREA
2979
HEIGHT
2122
08-Jun-2023
14:56
linh
pham



AFTER

MASS
120
AREA
2979
HEIGHT
2122
13-Jun-2023
13:00
linh
pham

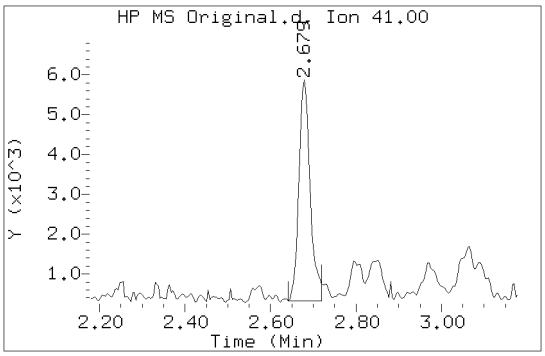


Allyl Chloride (107-05-1)

Reason Code:

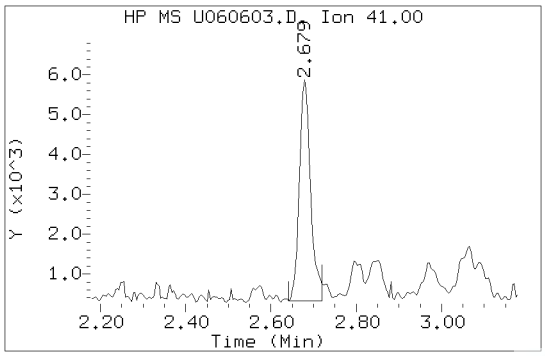
BEFORE

MASS
41
AREA
10377
HEIGHT
5545
08-Jun-2023
14:56
linh
pham



AFTER

MASS
41
AREA
10377
HEIGHT
5545
13-Jun-2023
13:00
linh
pham



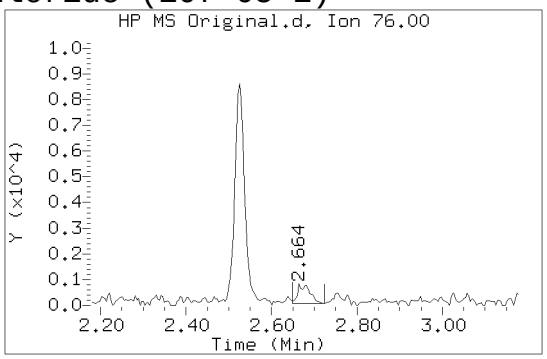
Data File : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060603.D
Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

Allyl Chloride (107-05-1)

Reason Code:

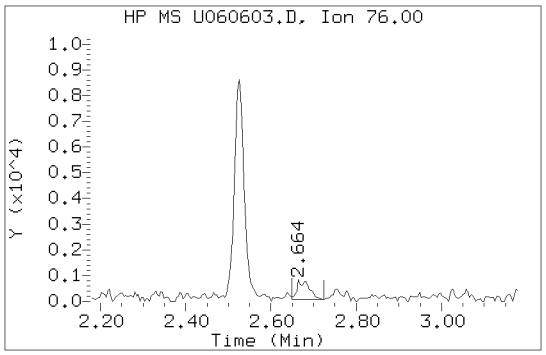
BEFORE

MASS
76
AREA
1452
HEIGHT
753
08-Jun-2023
14:56
linh
pham



AFTER

MASS
76
AREA
1452
HEIGHT
753
13-Jun-2023
13:00
linh
pham

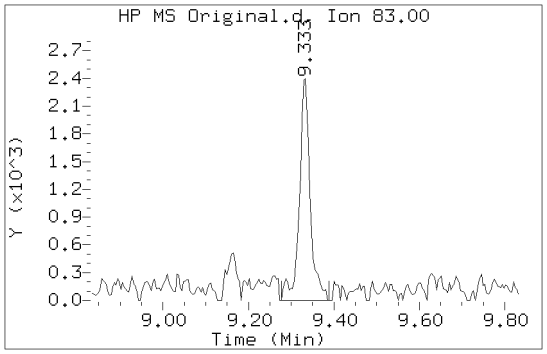


1,1,2,2-Tetrachloroethane (79-34-5)

Reason Code:

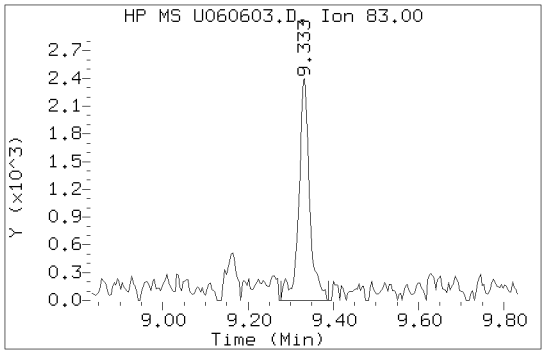
BEFORE

MASS
83
AREA
4333
HEIGHT
2397
08-Jun-2023
14:56
linh
pham



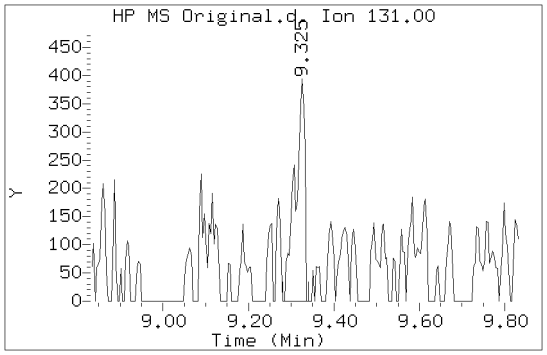
AFTER

MASS
83
AREA
4333
HEIGHT
2397
13-Jun-2023
13:00
linh
pham



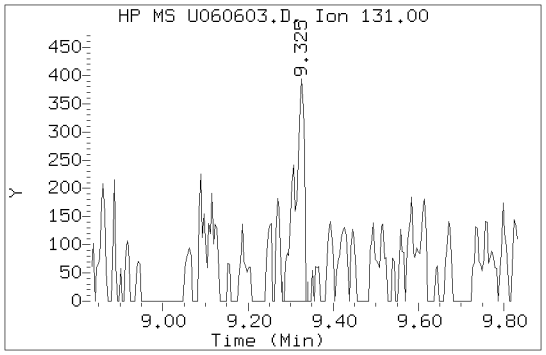
BEFORE

MASS
131
AREA
624
HEIGHT
394
08-Jun-2023
14:56
linh
pham



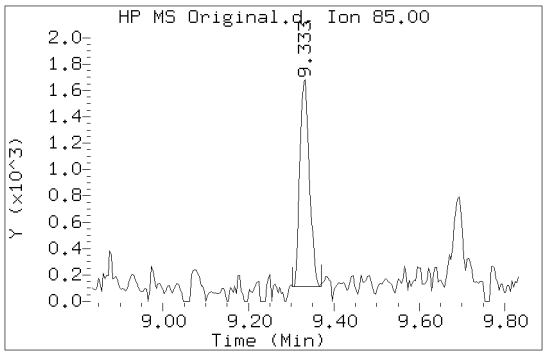
AFTER

MASS
131
AREA
624
HEIGHT
394
13-Jun-2023
13:00
linh
pham



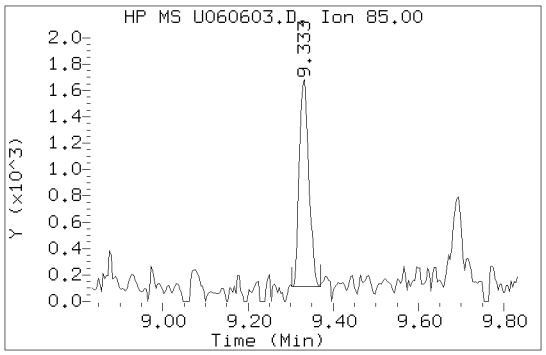
BEFORE

MASS
85
AREA
2508
HEIGHT
1568
08-Jun-2023
14:56
linh
pham



AFTER

MASS
85
AREA
2508
HEIGHT
1568
13-Jun-2023
13:00
linh
pham



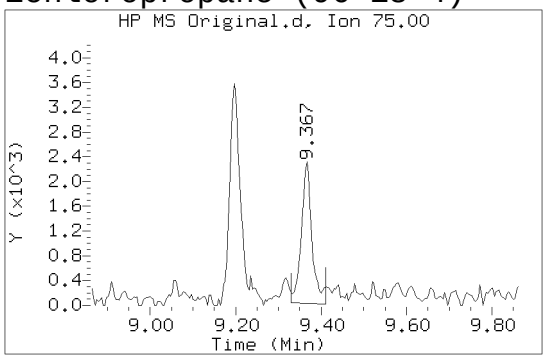
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Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

1,2,3-Trichloropropane (96-18-4)

Reason Code:

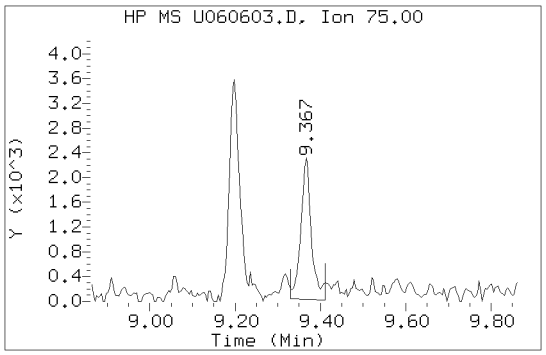
BEFORE

MASS
75
AREA
4089
HEIGHT
2289
08-Jun-2023
14:56
linh
pham



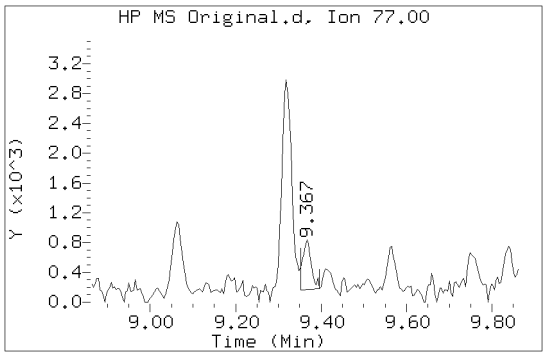
AFTER

MASS
75
AREA
4089
HEIGHT
2289
13-Jun-2023
13:00
linh
pham



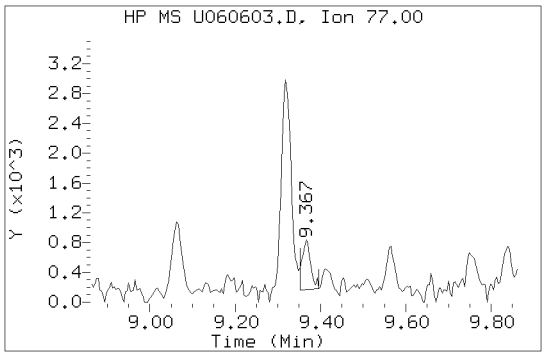
BEFORE

MASS
77
AREA
963
HEIGHT
669
08-Jun-2023
14:56
linh
pham



AFTER

MASS
77
AREA
963
HEIGHT
669
13-Jun-2023
13:00
linh
pham

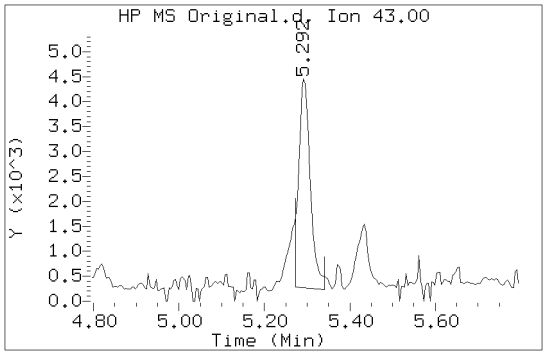


Isobutyl Alcohol (78-83-1)

Reason Code:

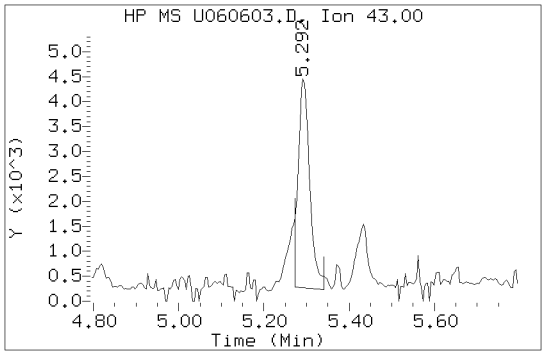
BEFORE

MASS
43
AREA
8062
HEIGHT
4185
08-Jun-2023
14:56
linh
pham



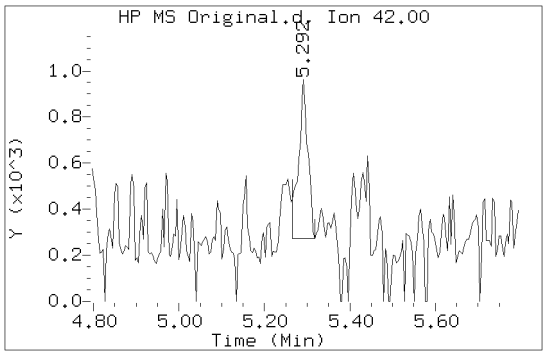
AFTER

MASS
43
AREA
8062
HEIGHT
4185
13-Jun-2023
13:00
linh
pham



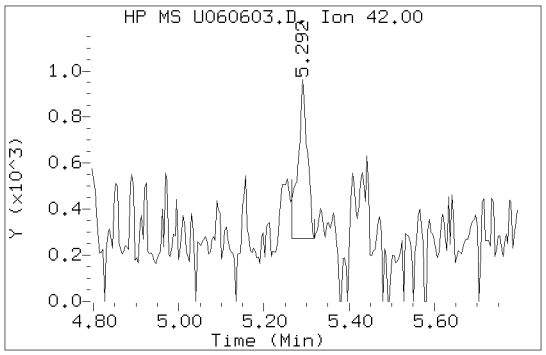
BEFORE

MASS
42
AREA
1073
HEIGHT
689
08-Jun-2023
14:56
linh
pham



AFTER

MASS
42
AREA
1073
HEIGHT
689
13-Jun-2023
13:00
linh
pham



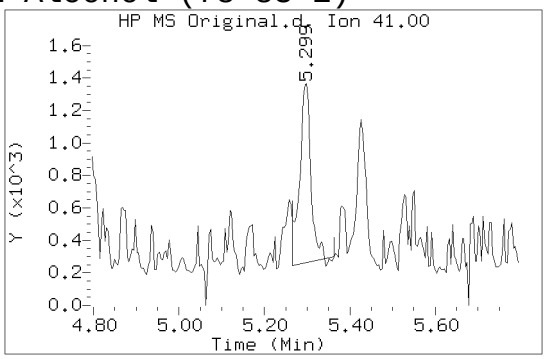
Data File : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060603.D
Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

Isobutyl Alcohol (78-83-1)

Reason Code:

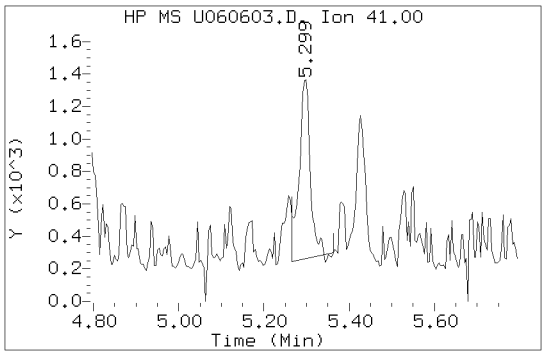
BEFORE

MASS
41
AREA
2043
HEIGHT
1100
08-Jun-2023
14:56
linh
pham



AFTER

MASS
41
AREA
2043
HEIGHT
1100
13-Jun-2023
13:00
linh
pham

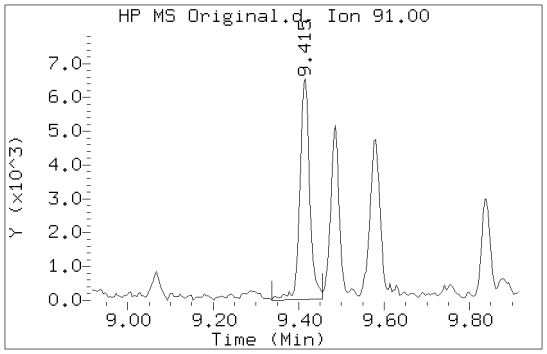


n-Propylbenzene (106-65-1)

Reason Code:

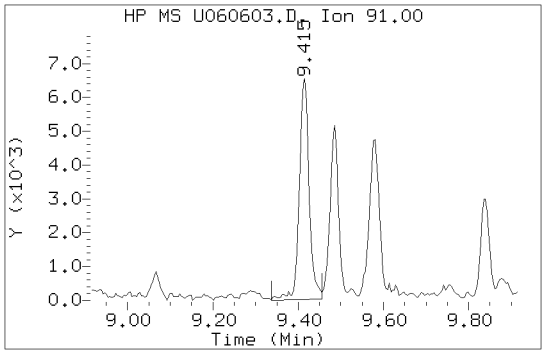
BEFORE

MASS
91
AREA
10721
HEIGHT
6532
08-Jun-2023
14:56
linh
pham



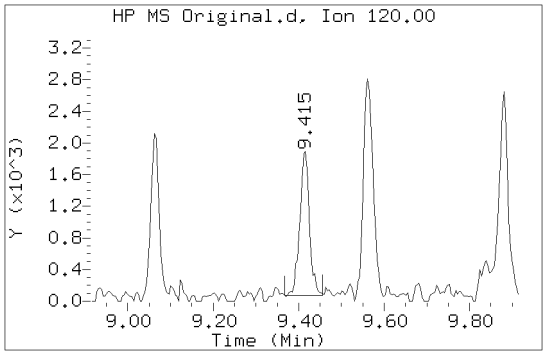
AFTER

MASS
91
AREA
10721
HEIGHT
6532
13-Jun-2023
13:00
linh
pham



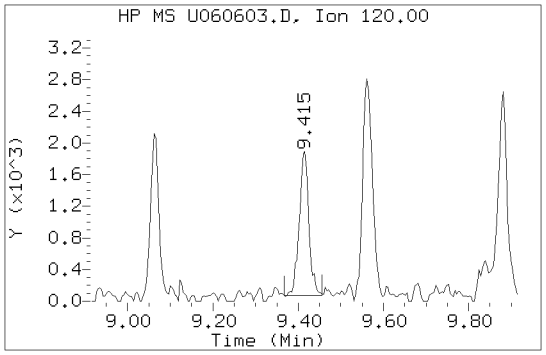
BEFORE

MASS
120
AREA
2911
HEIGHT
1823
08-Jun-2023
14:56
linh
pham



AFTER

MASS
120
AREA
2911
HEIGHT
1823
13-Jun-2023
13:00
linh
pham

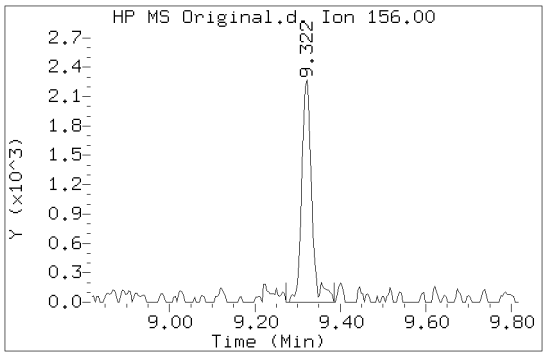


Bromobenzene (108-86-1)

Reason Code:

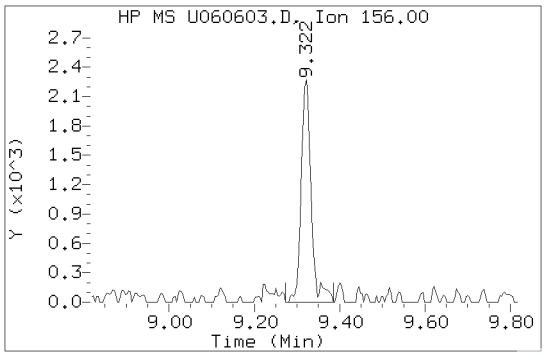
BEFORE

MASS
156
AREA
3800
HEIGHT
2270
08-Jun-2023
14:56
linh
pham



AFTER

MASS
156
AREA
3800
HEIGHT
2270
13-Jun-2023
13:00
linh
pham



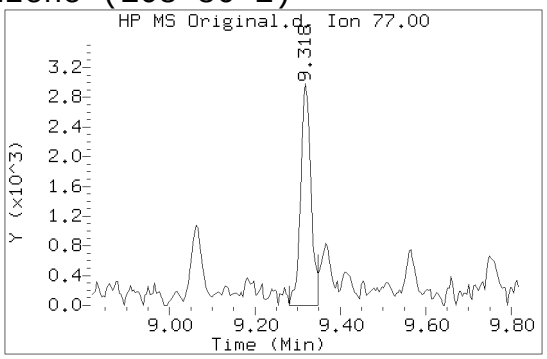
Data File : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060603.D
Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

Bromobenzene (108-86-1)

Reason Code:

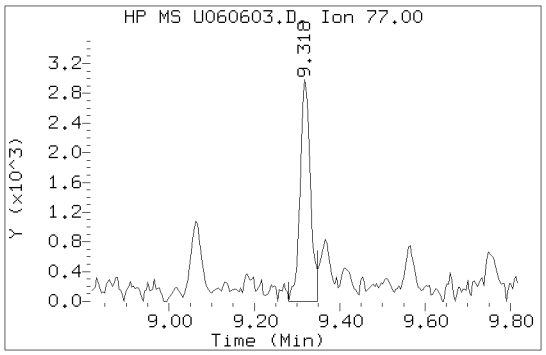
BEFORE

MASS
77
AREA
5137
HEIGHT
2983
08-Jun-2023
14:56
linh
pham



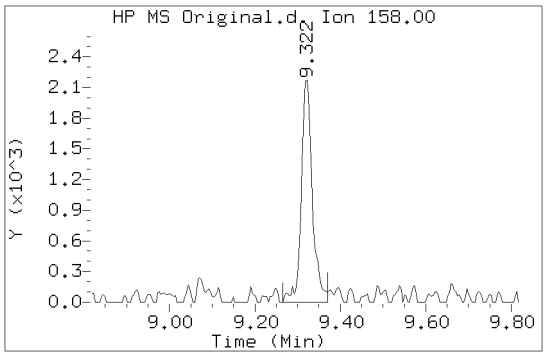
AFTER

MASS
77
AREA
5137
HEIGHT
2983
13-Jun-2023
13:00
linh
pham



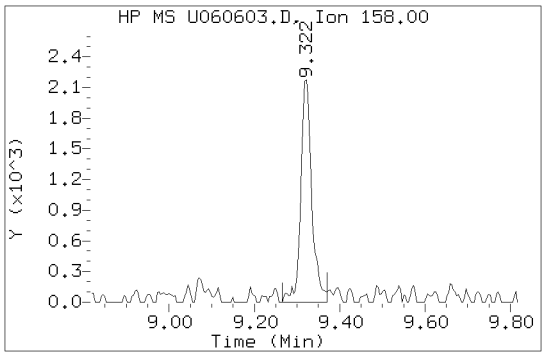
BEFORE

MASS
158
AREA
4021
HEIGHT
2175
08-Jun-2023
14:56
linh
pham



AFTER

MASS
158
AREA
4021
HEIGHT
2175
13-Jun-2023
13:00
linh
pham

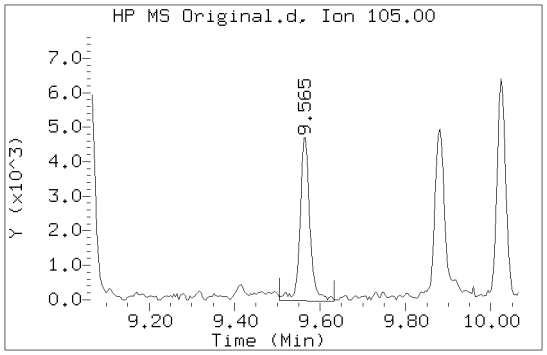


1,3,5-Trimethylbenzene (108-67-8)

Reason Code:

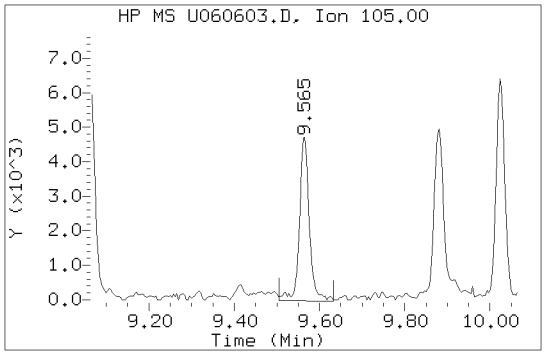
BEFORE

MASS
105
AREA
7820
HEIGHT
4732
08-Jun-2023
14:56
linh
pham



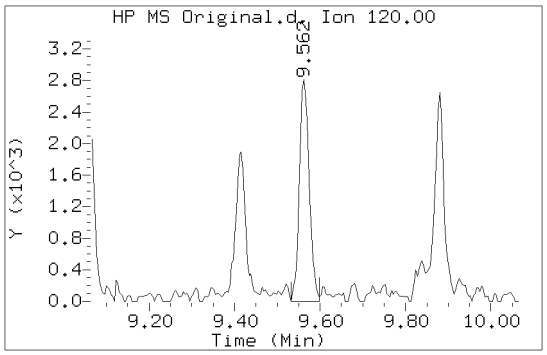
AFTER

MASS
105
AREA
7820
HEIGHT
4732
13-Jun-2023
13:00
linh
pham



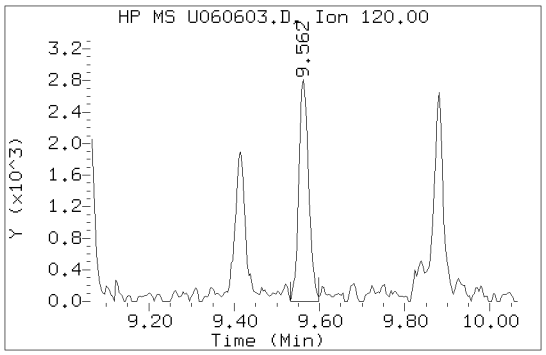
BEFORE

MASS
120
AREA
4592
HEIGHT
2810
08-Jun-2023
14:56
linh
pham



AFTER

MASS
120
AREA
4592
HEIGHT
2810
13-Jun-2023
13:00
linh
pham



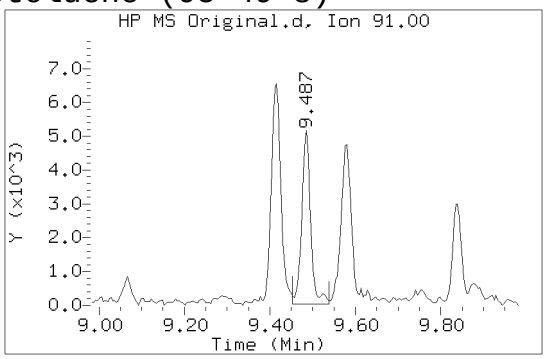
Data File : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060603.D
Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

2-Chlorotoluene (95-49-8)

Reason Code:

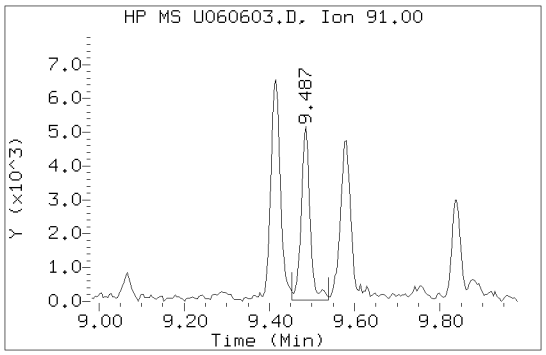
BEFORE

MASS
91
AREA
7551
HEIGHT
5138
08-Jun-2023
14:56
linh
pham



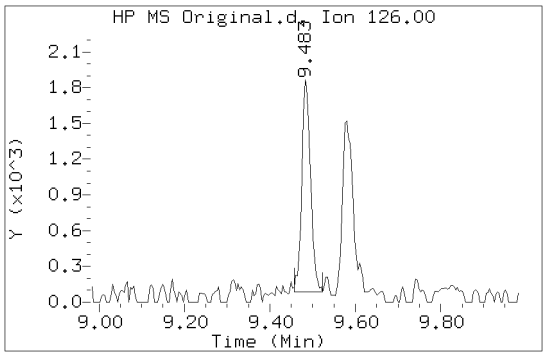
AFTER

MASS
91
AREA
7551
HEIGHT
5138
13-Jun-2023
13:00
linh
pham



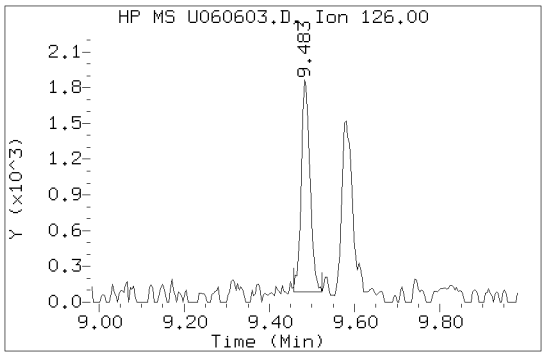
BEFORE

MASS
126
AREA
2589
HEIGHT
1779
08-Jun-2023
14:56
linh
pham



AFTER

MASS
126
AREA
2589
HEIGHT
1779
13-Jun-2023
13:00
linh
pham

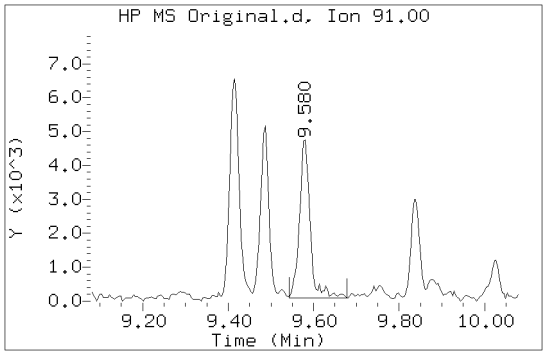


4-Chlorotoluene (106-43-4)

Reason Code:

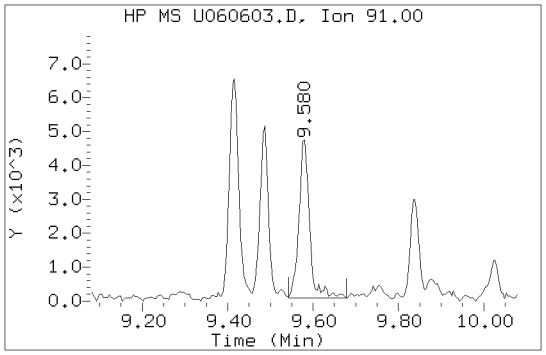
BEFORE

MASS
91
AREA
8243
HEIGHT
4662
08-Jun-2023
14:56
linh
pham



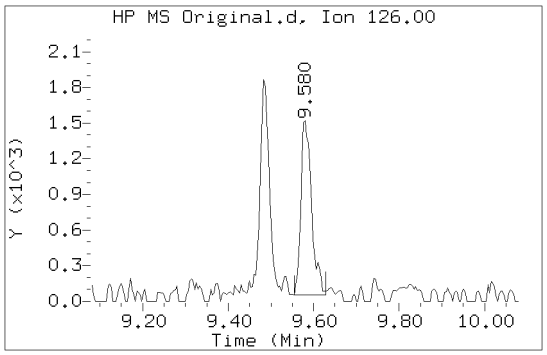
AFTER

MASS
91
AREA
8243
HEIGHT
4662
13-Jun-2023
13:00
linh
pham



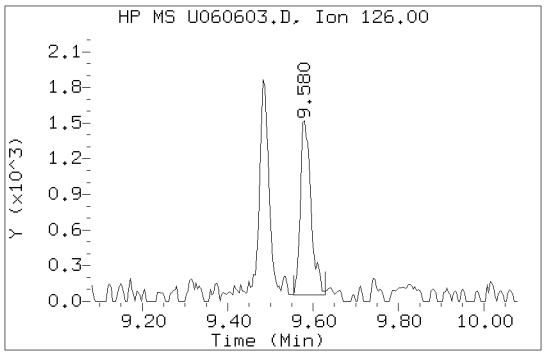
BEFORE

MASS
126
AREA
2606
HEIGHT
1467
08-Jun-2023
14:56
linh
pham



AFTER

MASS
126
AREA
2606
HEIGHT
1467
13-Jun-2023
13:00
linh
pham



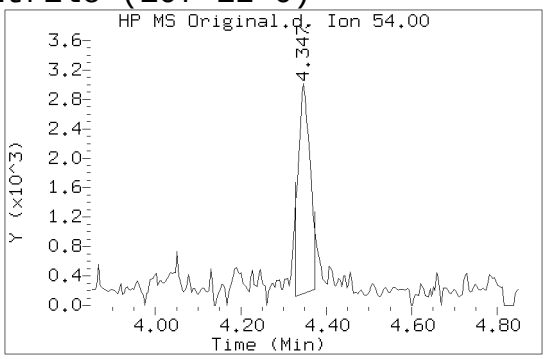
Data File : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060603.D
Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

Propionitrile (107-12-0)

Reason Code:

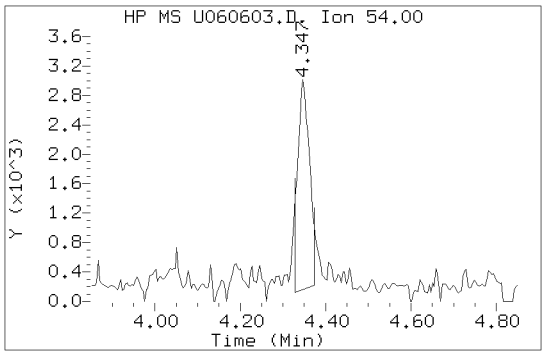
BEFORE

MASS
54
AREA
5579
HEIGHT
2848
08-Jun-2023
14:56
linh
pham



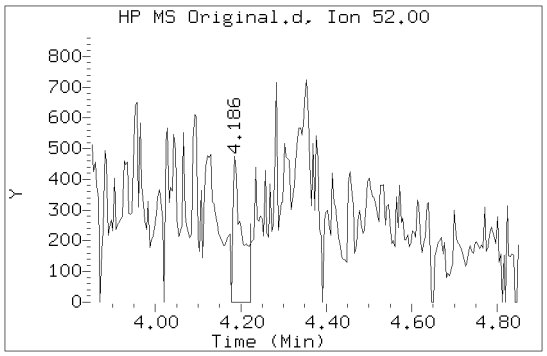
AFTER

MASS
54
AREA
5579
HEIGHT
2848
13-Jun-2023
13:00
linh
pham



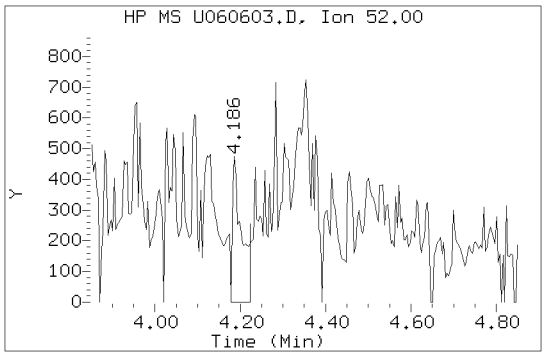
BEFORE

MASS
52
AREA
706
HEIGHT
475
08-Jun-2023
14:56
linh
pham



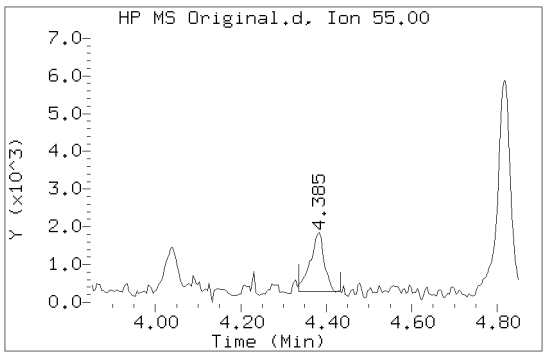
AFTER

MASS
52
AREA
706
HEIGHT
475
13-Jun-2023
13:00
linh
pham



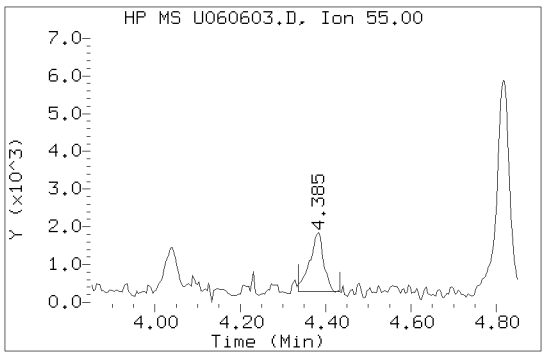
BEFORE

MASS
55
AREA
3548
HEIGHT
1559
08-Jun-2023
14:56
linh
pham



AFTER

MASS
55
AREA
3548
HEIGHT
1559
13-Jun-2023
13:00
linh
pham

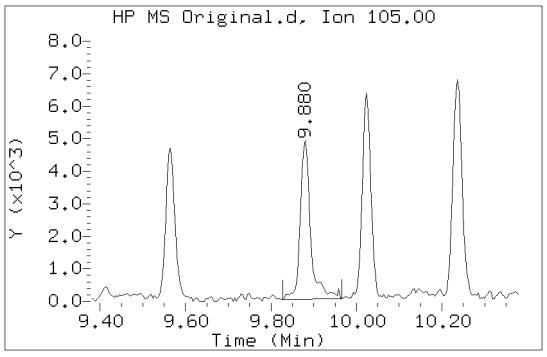


1,2,4-Trimethylbenzene (95-63-6)

Reason Code:

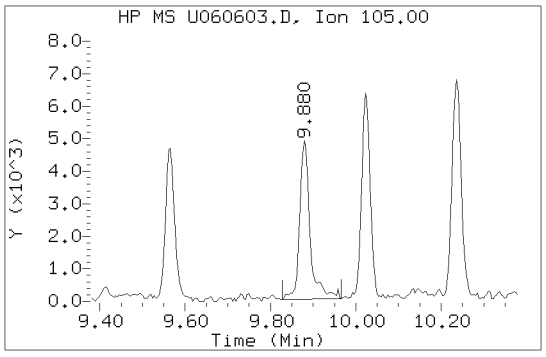
BEFORE

MASS
105
AREA
8548
HEIGHT
4875
08-Jun-2023
14:56
linh
pham



AFTER

MASS
105
AREA
8548
HEIGHT
4875
13-Jun-2023
13:00
linh
pham



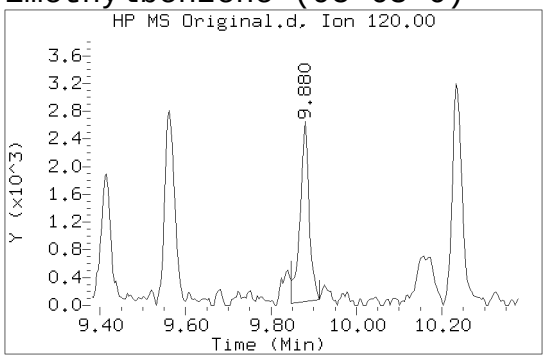
Data File : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060603.D
Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

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

Reason Code:

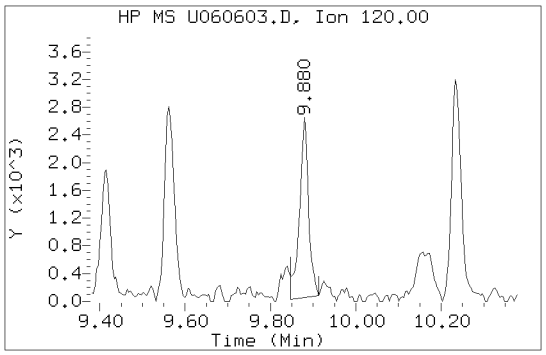
BEFORE

MASS
120
AREA
3975
HEIGHT
2592
08-Jun-2023
14:56
linh
pham



AFTER

MASS
120
AREA
3975
HEIGHT
2592
13-Jun-2023
13:00
linh
pham

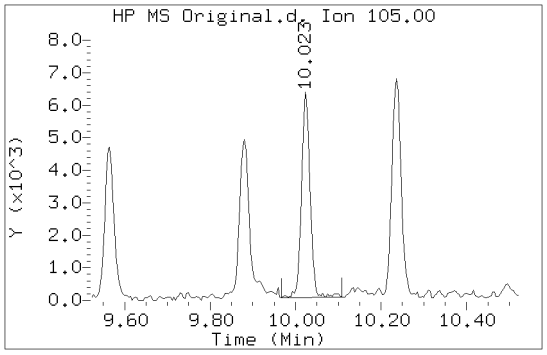


sec-Butylbenzene (135-98-8)

Reason Code:

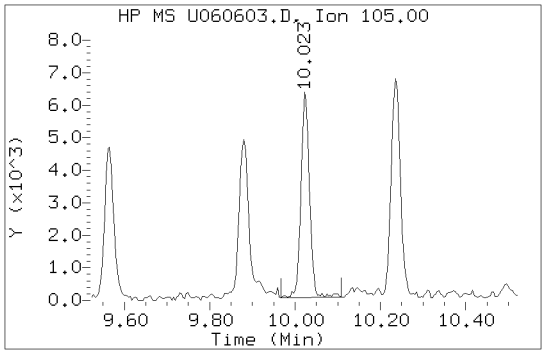
BEFORE

MASS
105
AREA
9131
HEIGHT
6310
08-Jun-2023
14:56
linh
pham



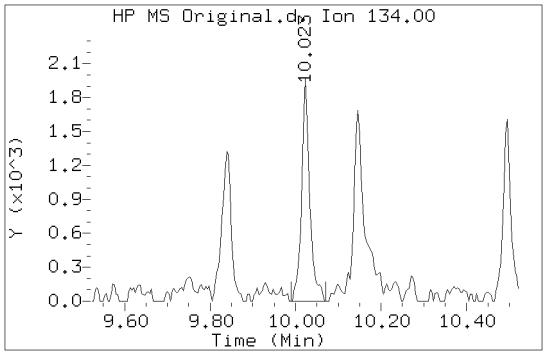
AFTER

MASS
105
AREA
9131
HEIGHT
6310
13-Jun-2023
13:00
linh
pham



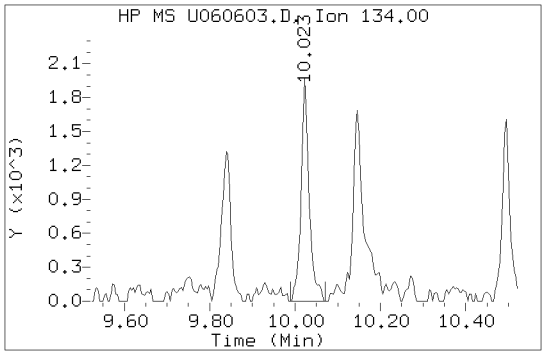
BEFORE

MASS
134
AREA
2687
HEIGHT
1965
08-Jun-2023
14:56
linh
pham



AFTER

MASS
134
AREA
2687
HEIGHT
1965
13-Jun-2023
13:00
linh
pham

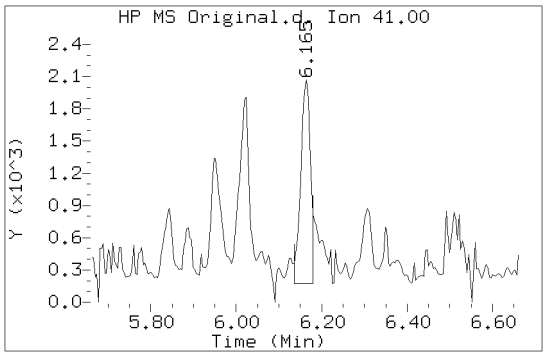


Methyl Methacrylate (80-62-6)

Reason Code:

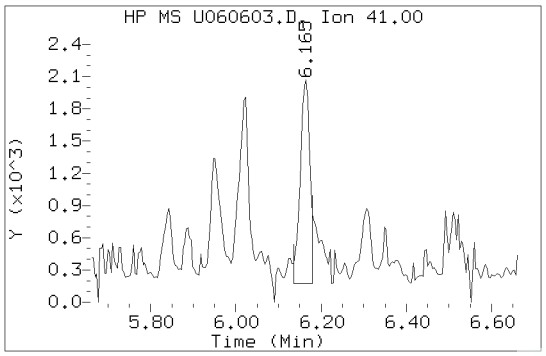
BEFORE

MASS
41
AREA
3083
HEIGHT
1894
08-Jun-2023
14:56
linh
pham



AFTER

MASS
41
AREA
3083
HEIGHT
1894
13-Jun-2023
13:00
linh
pham



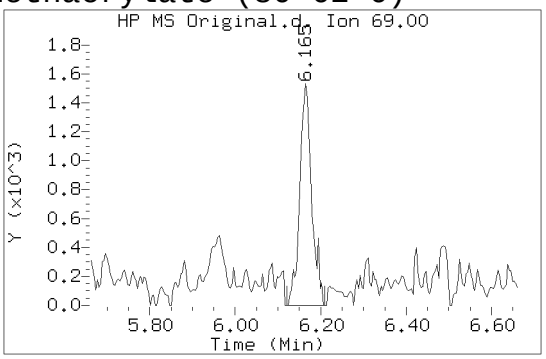
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Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

Methyl Methacrylate (80-62-6)

Reason Code:

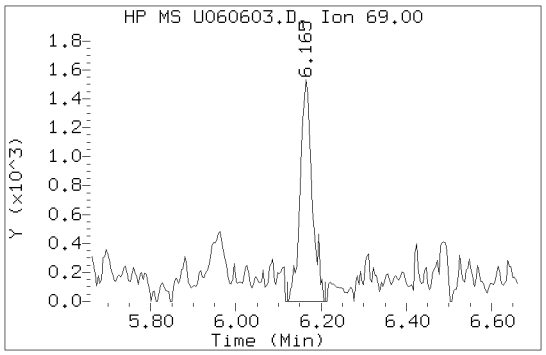
BEFORE

MASS
69
AREA
3017
HEIGHT
1532
08-Jun-2023
14:56
linh
pham



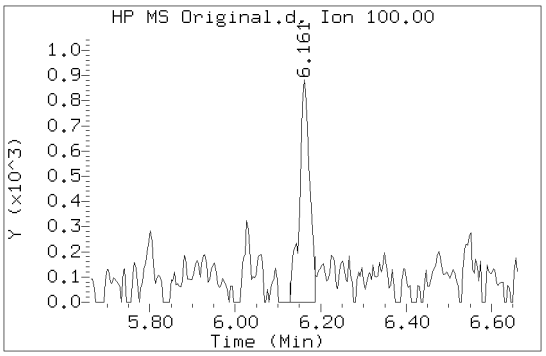
AFTER

MASS
69
AREA
3017
HEIGHT
1532
13-Jun-2023
13:00
linh
pham



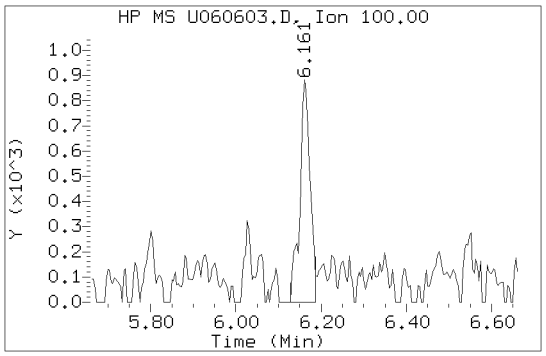
BEFORE

MASS
100
AREA
1506
HEIGHT
882
08-Jun-2023
14:56
linh
pham



AFTER

MASS
100
AREA
1506
HEIGHT
882
13-Jun-2023
13:00
linh
pham

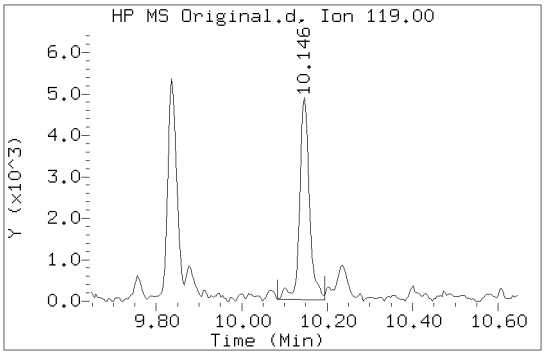


p-Isopropyltoluene (99-87-6)

Reason Code:

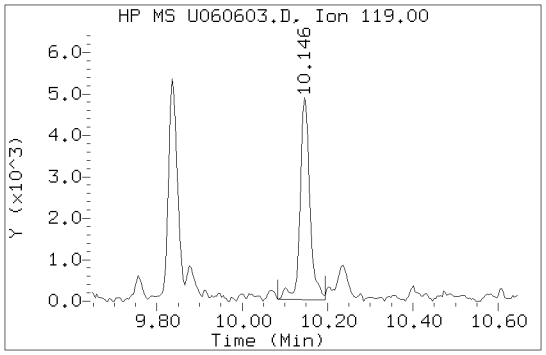
BEFORE

MASS
119
AREA
7969
HEIGHT
4880
08-Jun-2023
14:56
linh
pham



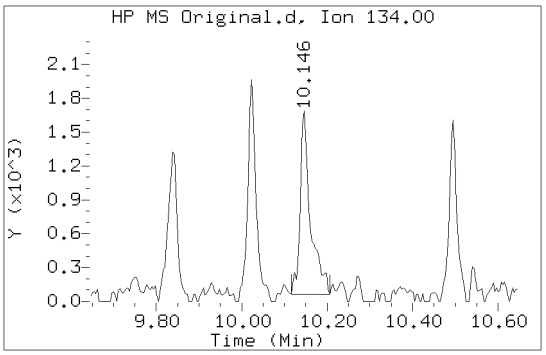
AFTER

MASS
119
AREA
7969
HEIGHT
4880
13-Jun-2023
13:00
linh
pham



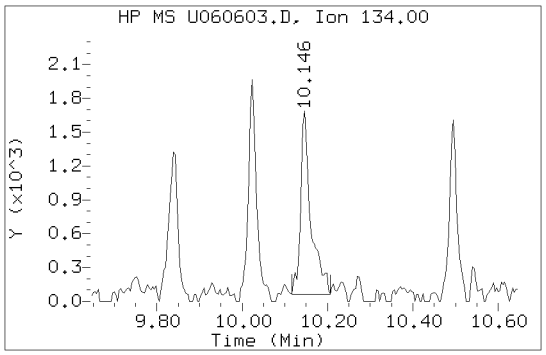
BEFORE

MASS
134
AREA
2795
HEIGHT
1627
08-Jun-2023
14:56
linh
pham



AFTER

MASS
134
AREA
2795
HEIGHT
1627
13-Jun-2023
13:00
linh
pham



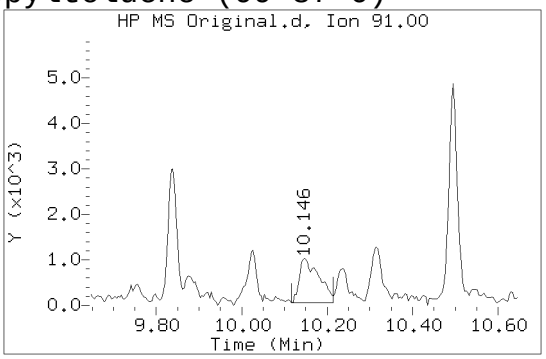
Data File : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060603.D
Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

p-Isopropyltoluene (99-87-6)

Reason Code:

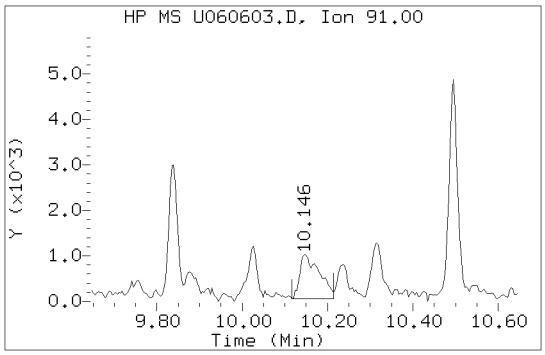
BEFORE

MASS
91
AREA
3125
HEIGHT
970
08-Jun-2023
14:56
linh
pham



AFTER

MASS
91
AREA
3125
HEIGHT
970
13-Jun-2023
13:00
linh
pham

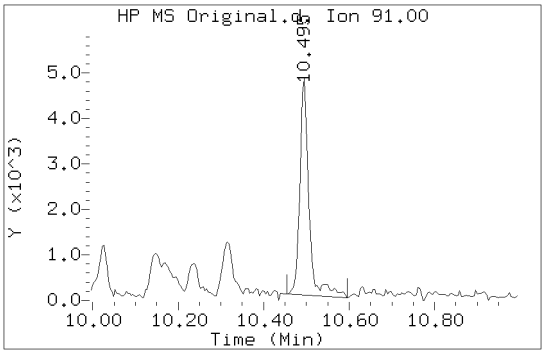


n-Butylbenzene (104-51-8)

Reason Code:

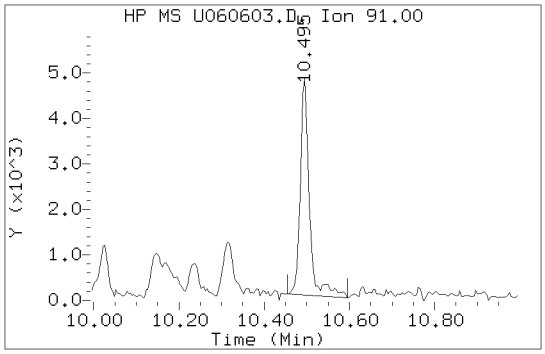
BEFORE

MASS
91
AREA
7213
HEIGHT
4758
08-Jun-2023
14:56
linh
pham



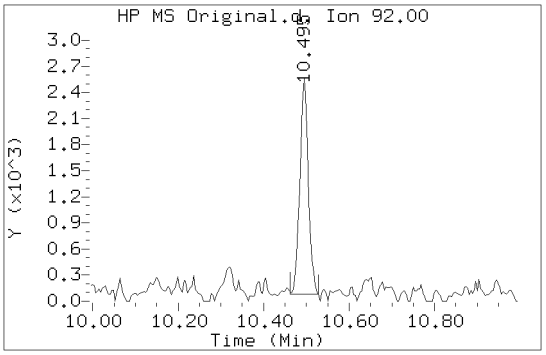
AFTER

MASS
91
AREA
7213
HEIGHT
4758
13-Jun-2023
13:00
linh
pham



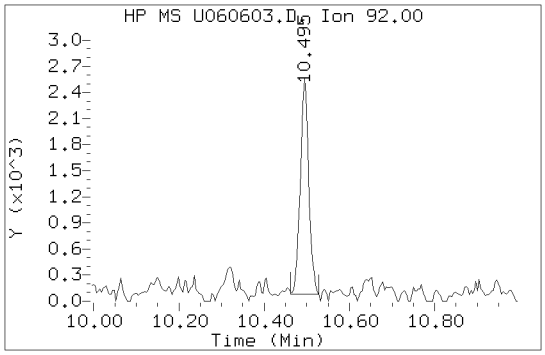
BEFORE

MASS
92
AREA
3472
HEIGHT
2472
08-Jun-2023
14:56
linh
pham



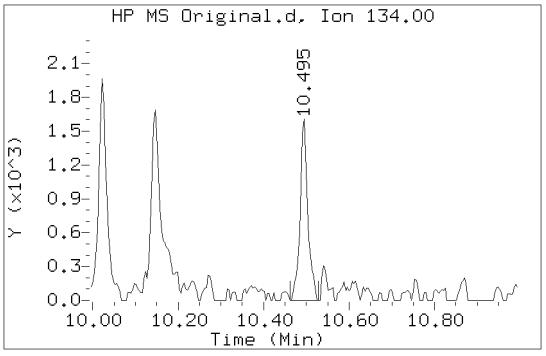
AFTER

MASS
92
AREA
3472
HEIGHT
2472
13-Jun-2023
13:00
linh
pham



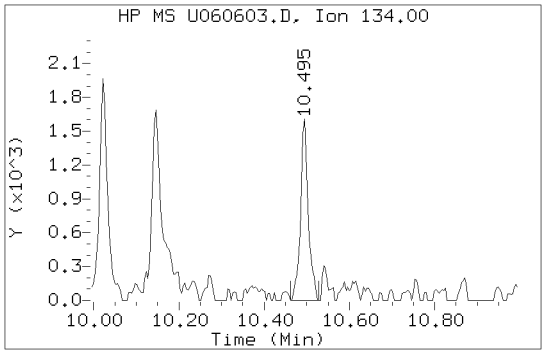
BEFORE

MASS
134
AREA
2070
HEIGHT
1610
08-Jun-2023
14:56
linh
pham



AFTER

MASS
134
AREA
2070
HEIGHT
1610
13-Jun-2023
13:00
linh
pham

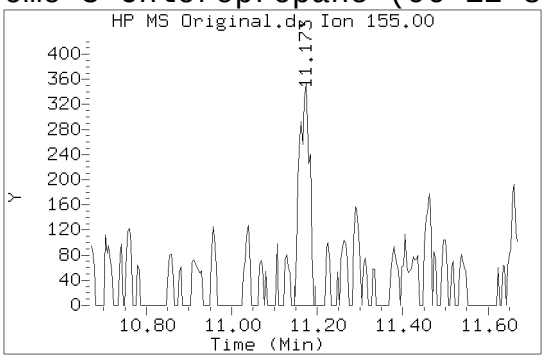


Data File : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060603.D
Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

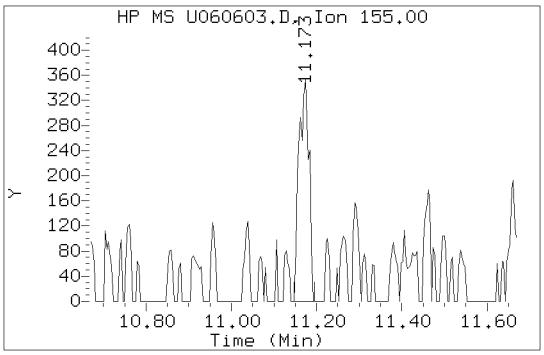
1,2-Dibromo-3-Chloropropane (96-12-8)

Reason Code:

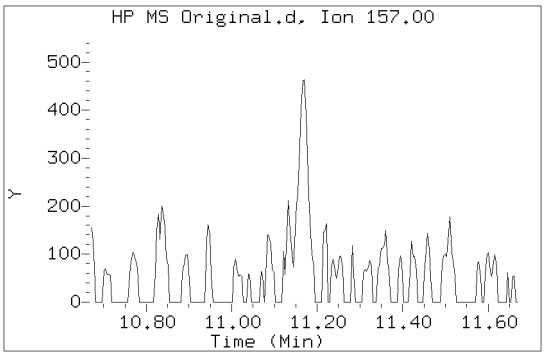
BEFORE
MASS
155
AREA
589
HEIGHT
353
08-Jun-2023
14:56
linh
pham



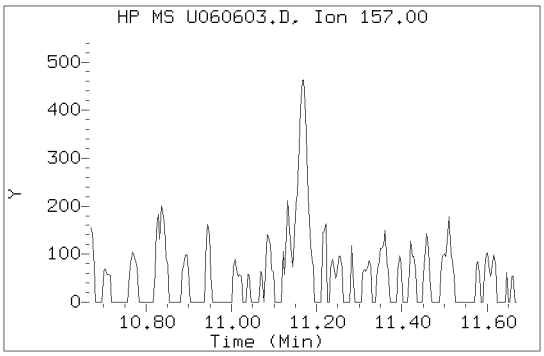
AFTER
MASS
155
AREA
589
HEIGHT
353
13-Jun-2023
13:00
linh
pham



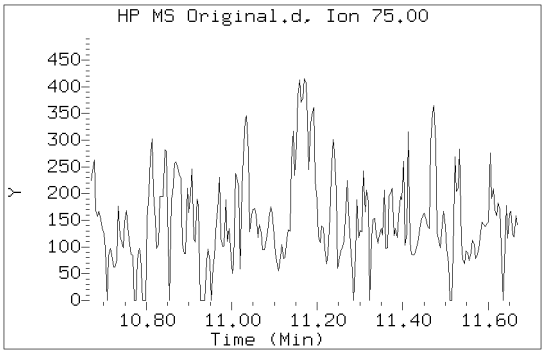
BEFORE
MASS
157
AREA
0
HEIGHT
0
08-Jun-2023
14:56
linh
pham



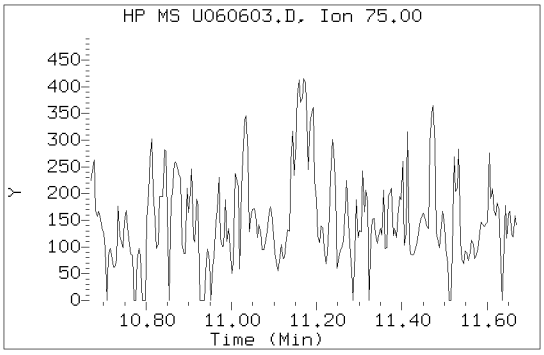
AFTER
MASS
157
AREA
0
HEIGHT
0
13-Jun-2023
13:00
linh
pham



BEFORE
MASS
75
AREA
0
HEIGHT
0
08-Jun-2023
14:56
linh
pham



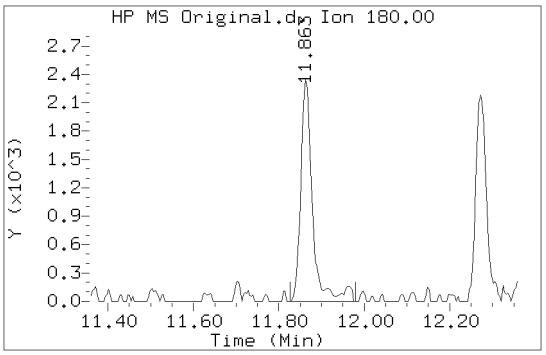
AFTER
MASS
75
AREA
0
HEIGHT
0
13-Jun-2023
13:00
linh
pham



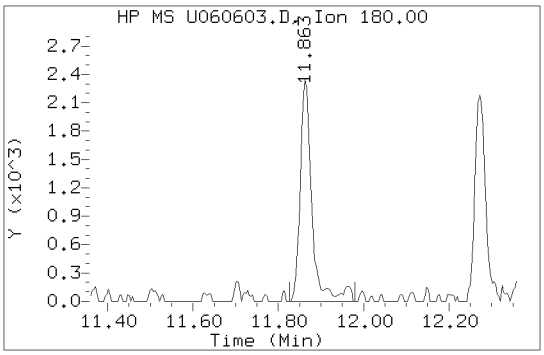
1,2,4-Trichlorobenzene (120-82-1)

Reason Code:

BEFORE
MASS
180
AREA
4551
HEIGHT
2344
08-Jun-2023
14:56
linh
pham



AFTER
MASS
180
AREA
4551
HEIGHT
2344
13-Jun-2023
13:00
linh
pham



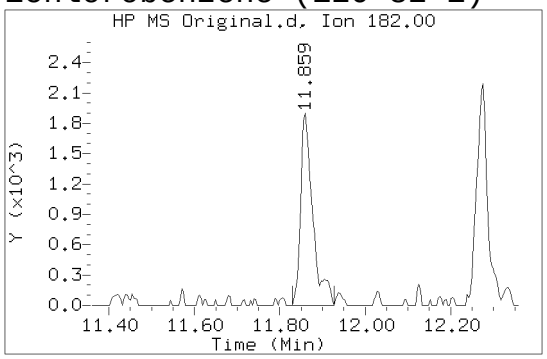
Data File : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060603.D
Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

1,2,4-Trichlorobenzene (120-82-1)

Reason Code:

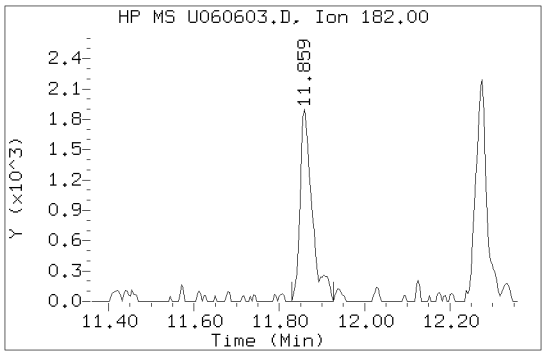
BEFORE

MASS
182
AREA
3811
HEIGHT
1898
08-Jun-2023
14:56
linh
pham



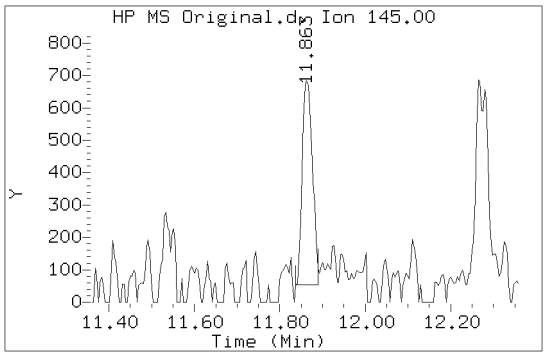
AFTER

MASS
182
AREA
3811
HEIGHT
1898
13-Jun-2023
13:00
linh
pham



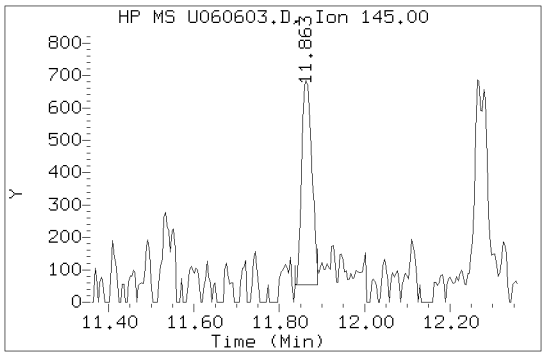
BEFORE

MASS
145
AREA
1065
HEIGHT
632
08-Jun-2023
14:56
linh
pham



AFTER

MASS
145
AREA
1065
HEIGHT
632
13-Jun-2023
13:00
linh
pham

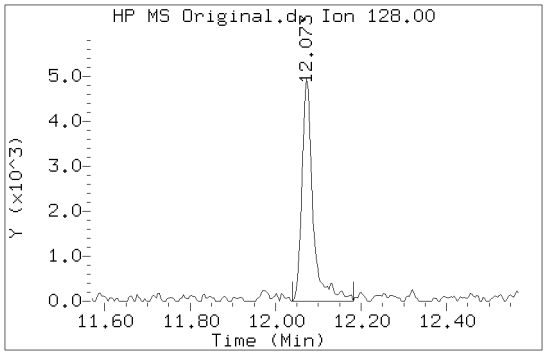


Naphthalene (91-20-3)

Reason Code:

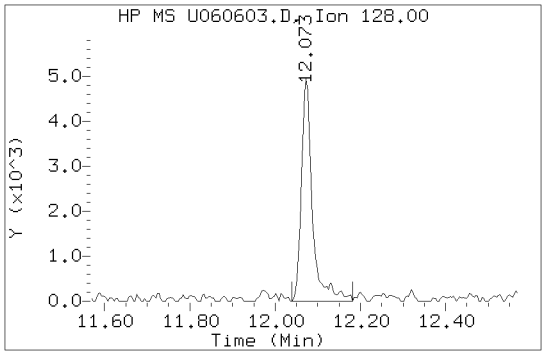
BEFORE

MASS
128
AREA
9156
HEIGHT
4939
08-Jun-2023
14:56
linh
pham



AFTER

MASS
128
AREA
9156
HEIGHT
4939
13-Jun-2023
13:00
linh
pham

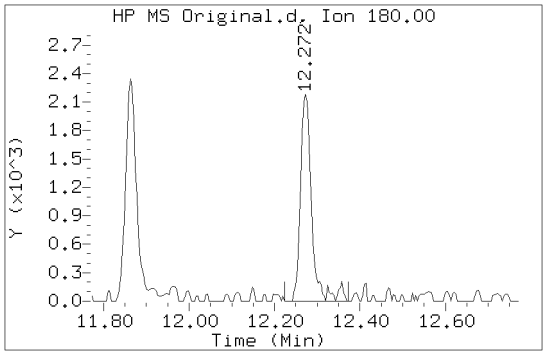


1,2,3-Trichlorobenzene (87-61-6)

Reason Code:

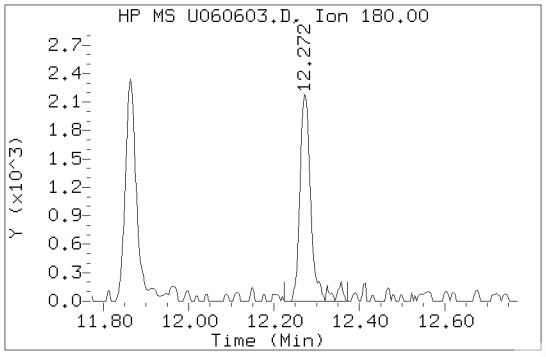
BEFORE

MASS
180
AREA
4090
HEIGHT
2185
08-Jun-2023
14:56
linh
pham



AFTER

MASS
180
AREA
4090
HEIGHT
2185
13-Jun-2023
13:00
linh
pham



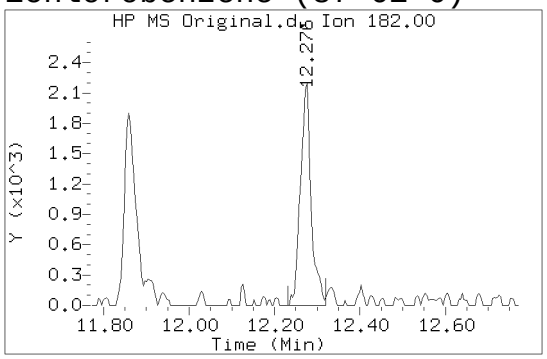
Data File : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060603.D
Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

1,2,3-Trichlorobenzene (87-61-6)

Reason Code:

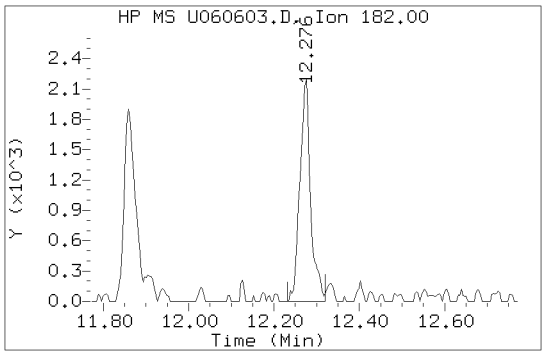
BEFORE

MASS
182
AREA
3923
HEIGHT
2191
08-Jun-2023
14:56
linh
pham



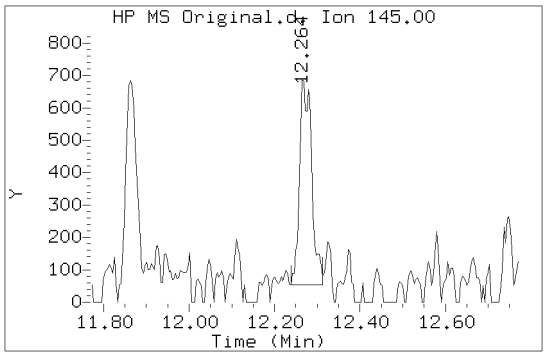
AFTER

MASS
182
AREA
3923
HEIGHT
2191
13-Jun-2023
13:00
linh
pham



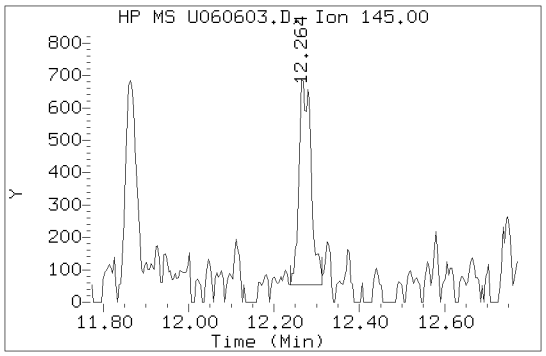
BEFORE

MASS
145
AREA
1275
HEIGHT
633
08-Jun-2023
14:56
linh
pham



AFTER

MASS
145
AREA
1275
HEIGHT
633
13-Jun-2023
13:00
linh
pham

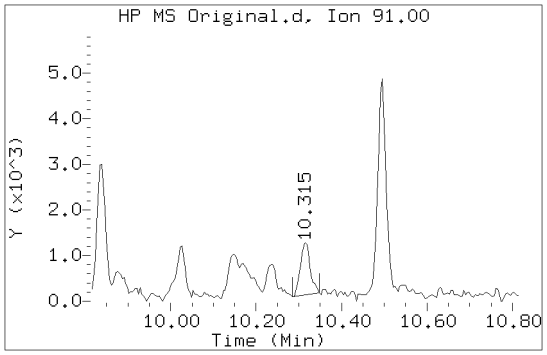


Benzyl Chloride (100-44-7)

Reason Code:

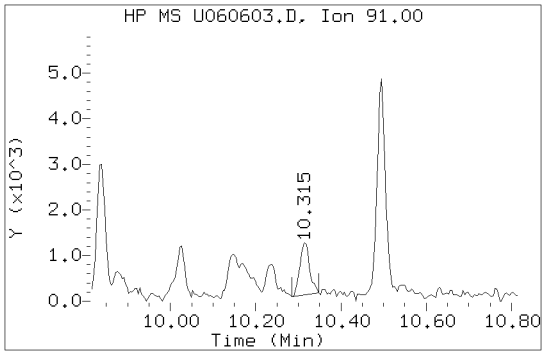
BEFORE

MASS
91
AREA
1867
HEIGHT
1136
08-Jun-2023
14:56
linh
pham



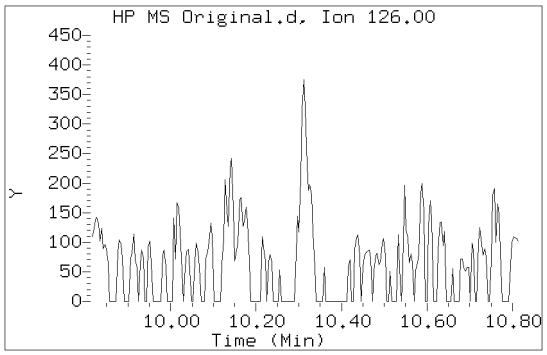
AFTER

MASS
91
AREA
1867
HEIGHT
1136
13-Jun-2023
13:00
linh
pham



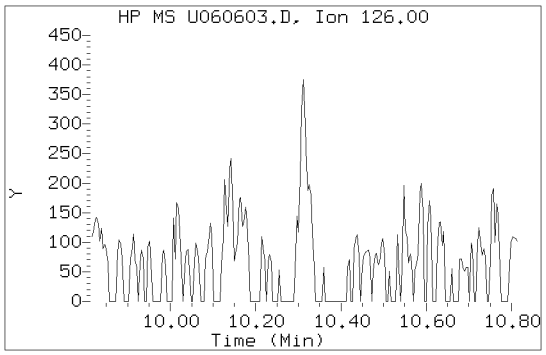
BEFORE

MASS
126
AREA
0
HEIGHT
0
08-Jun-2023
14:56
linh
pham



AFTER

MASS
126
AREA
0
HEIGHT
0
13-Jun-2023
13:00
linh
pham



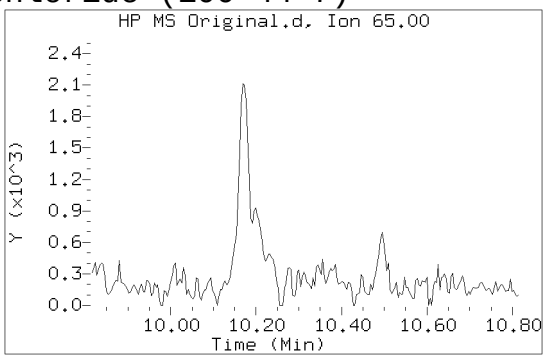
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Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

Benzyl Chloride (100-44-7)

Reason Code:

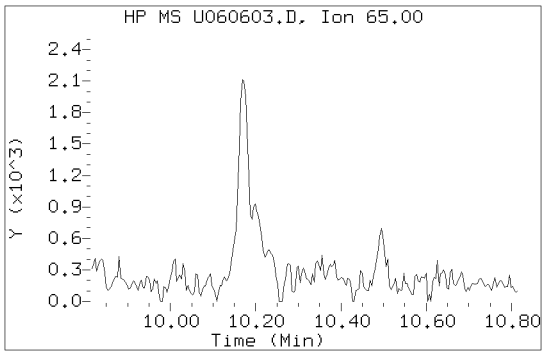
BEFORE

MASS
65
AREA
0
HEIGHT
0
08-Jun-2023
14:56
linh
pham



AFTER

MASS
65
AREA
0
HEIGHT
0
13-Jun-2023
13:00
linh
pham

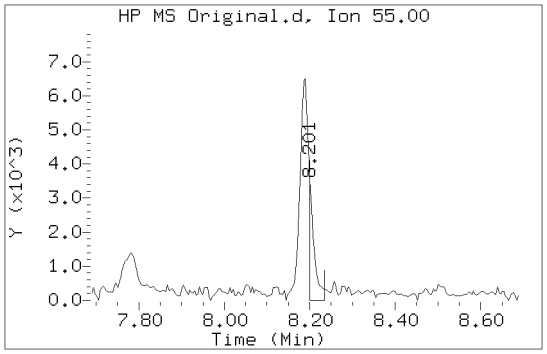


1-Chlorohexane (544-10-5)

Reason Code:

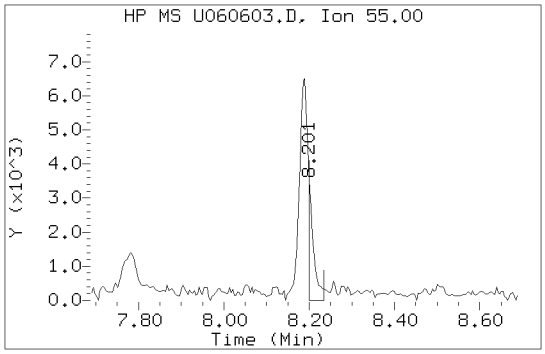
BEFORE

MASS
55
AREA
2785
HEIGHT
3524
08-Jun-2023
14:56
linh
pham



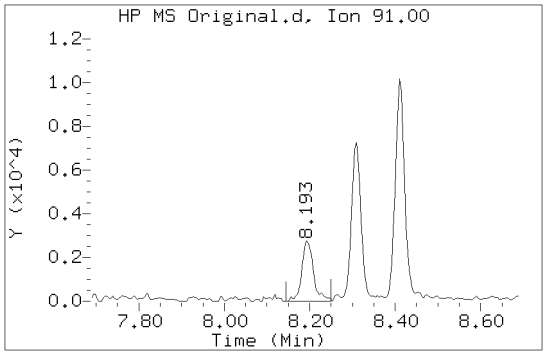
AFTER

MASS
55
AREA
2785
HEIGHT
3524
13-Jun-2023
13:00
linh
pham



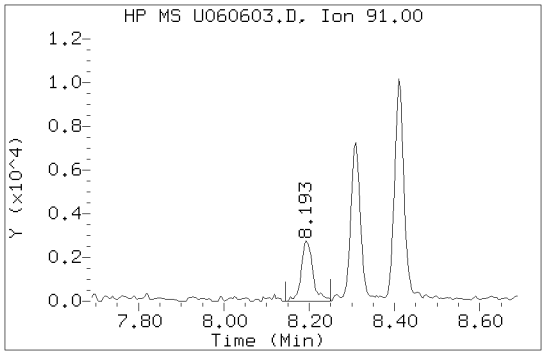
BEFORE

MASS
91
AREA
5394
HEIGHT
2762
08-Jun-2023
14:56
linh
pham



AFTER

MASS
91
AREA
5394
HEIGHT
2762
13-Jun-2023
13:00
linh
pham

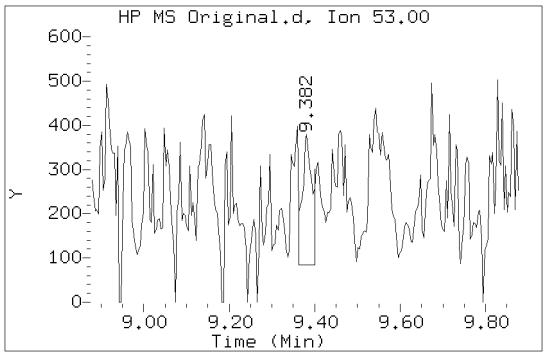


trans-1,4-Dichloro-2-butene (110-57-6)

Reason Code:

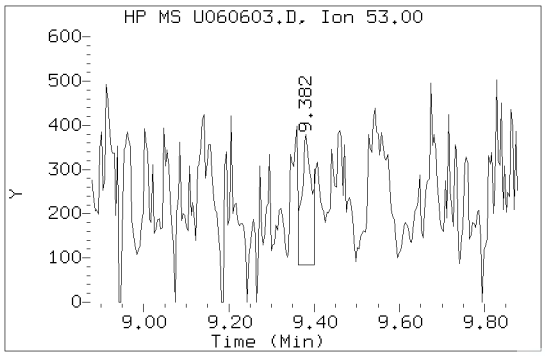
BEFORE

MASS
53
AREA
485
HEIGHT
296
08-Jun-2023
14:56
linh
pham



AFTER

MASS
53
AREA
485
HEIGHT
296
13-Jun-2023
13:00
linh
pham



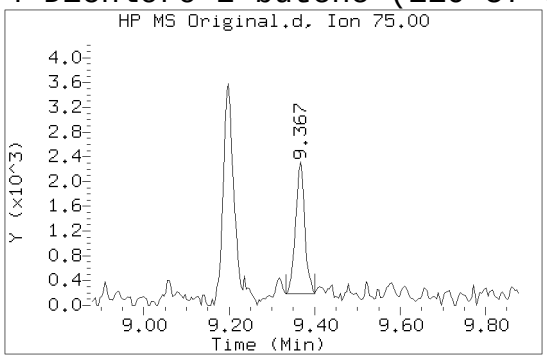
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Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

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

Reason Code:

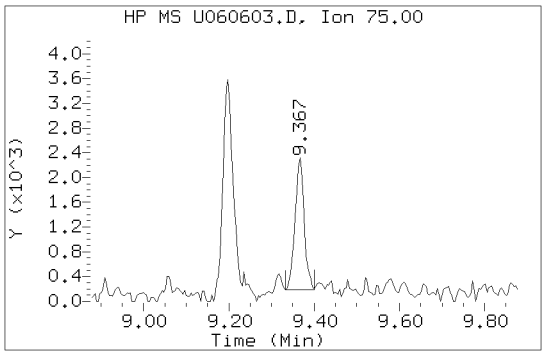
BEFORE

MASS
75
AREA
3241
HEIGHT
2140
08-Jun-2023
14:56
linh
pham



AFTER

MASS
75
AREA
3241
HEIGHT
2140
13-Jun-2023
13:00
linh
pham

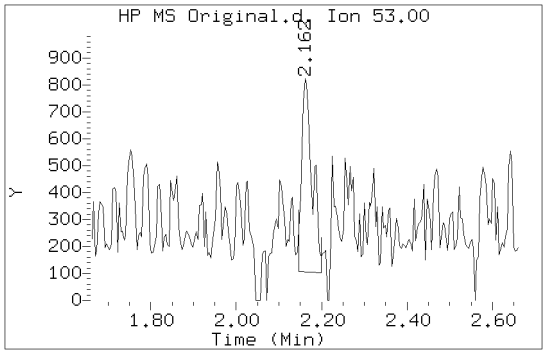


Chloroprene (126-99-8)

Reason Code:

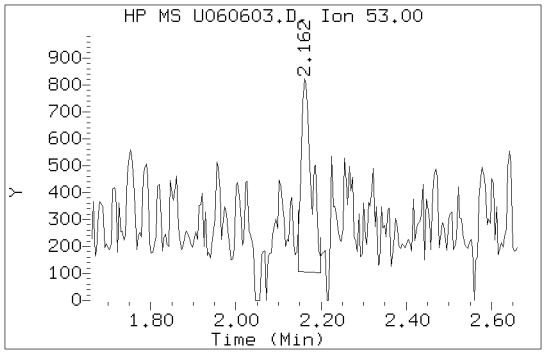
BEFORE

MASS
53
AREA
1260
HEIGHT
717
08-Jun-2023
14:56
linh
pham



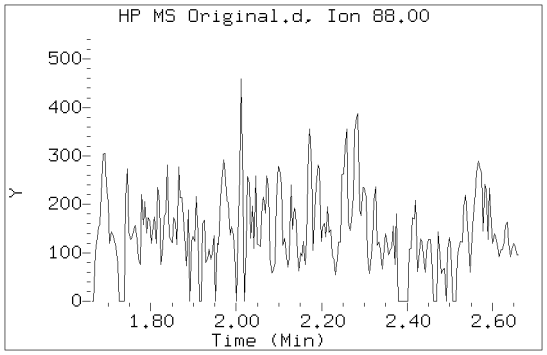
AFTER

MASS
53
AREA
1260
HEIGHT
717
13-Jun-2023
13:00
linh
pham



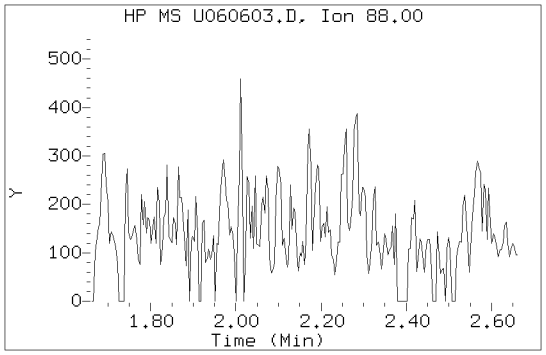
BEFORE

MASS
88
AREA
0
HEIGHT
0
08-Jun-2023
14:56
linh
pham



AFTER

MASS
88
AREA
0
HEIGHT
0
13-Jun-2023
13:00
linh
pham

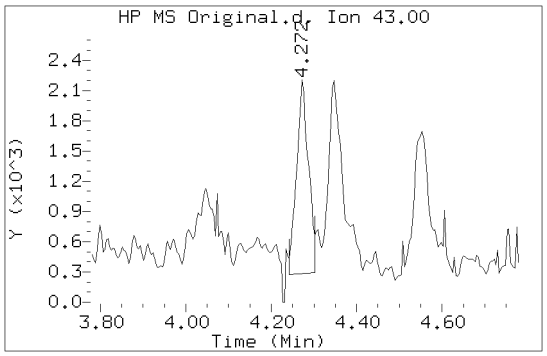


Ethyl Acetate (141-78-6)

Reason Code:

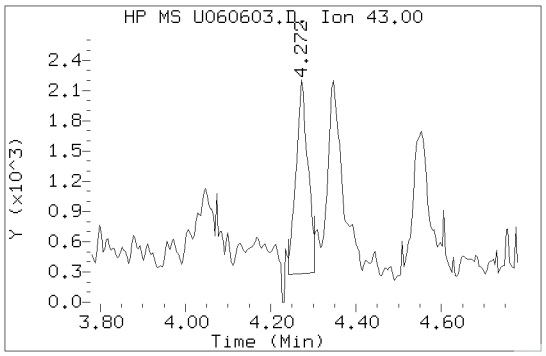
BEFORE

MASS
43
AREA
3781
HEIGHT
1922
08-Jun-2023
14:56
linh
pham



AFTER

MASS
43
AREA
3781
HEIGHT
1922
13-Jun-2023
13:00
linh
pham

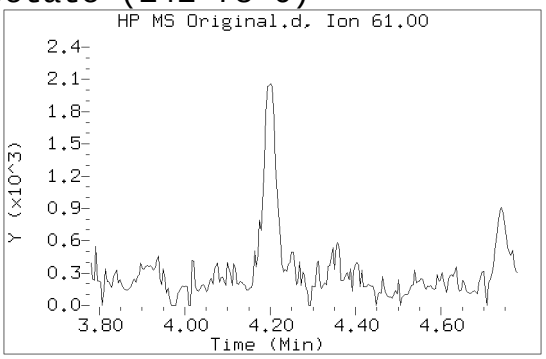


Data File : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060603.D
Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

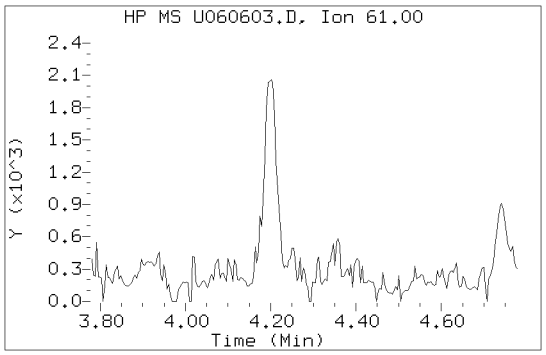
Ethyl Acetate (141-78-6)

Reason Code:

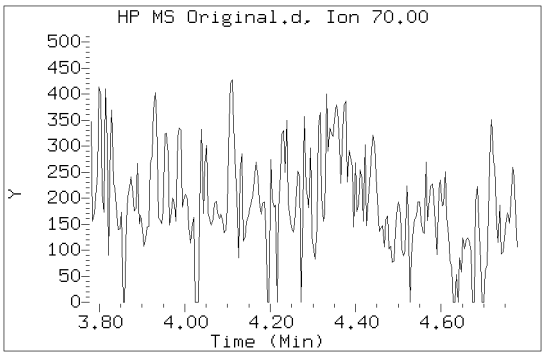
BEFORE
MASS
61
AREA
0
HEIGHT
0
08-Jun-2023
14:56
linh
pham



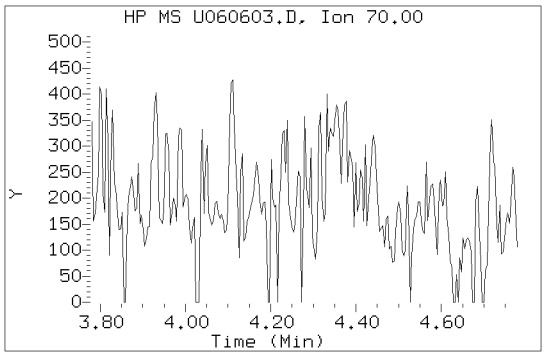
AFTER
MASS
61
AREA
0
HEIGHT
0
13-Jun-2023
13:00
linh
pham



BEFORE
MASS
70
AREA
0
HEIGHT
0
08-Jun-2023
14:56
linh
pham



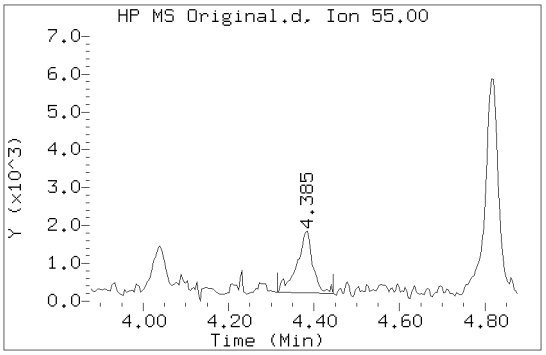
AFTER
MASS
70
AREA
0
HEIGHT
0
13-Jun-2023
13:00
linh
pham



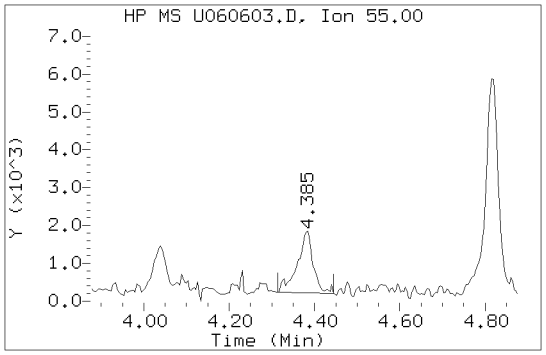
Methyl Acrylate (96-33-3)

Reason Code:

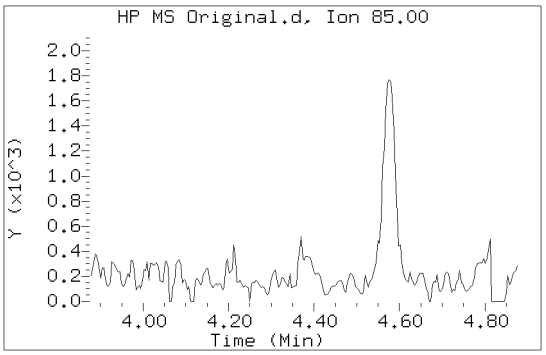
BEFORE
MASS
55
AREA
4302
HEIGHT
1632
08-Jun-2023
14:56
linh
pham



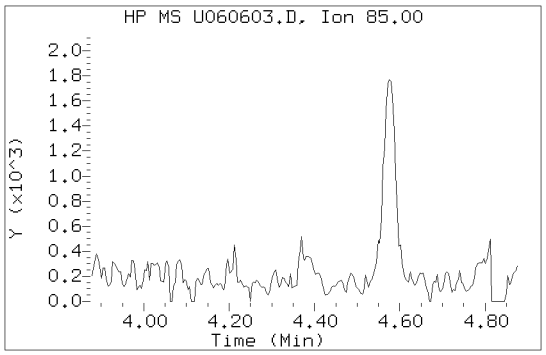
AFTER
MASS
55
AREA
4302
HEIGHT
1632
13-Jun-2023
13:00
linh
pham



BEFORE
MASS
85
AREA
0
HEIGHT
0
08-Jun-2023
14:56
linh
pham



AFTER
MASS
85
AREA
0
HEIGHT
0
13-Jun-2023
13:00
linh
pham



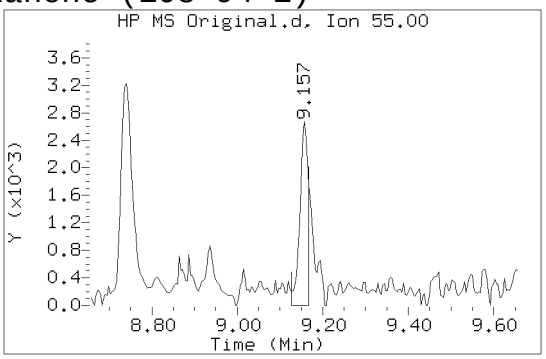
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Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

Cyclohexanone (108-94-1)

Reason Code:

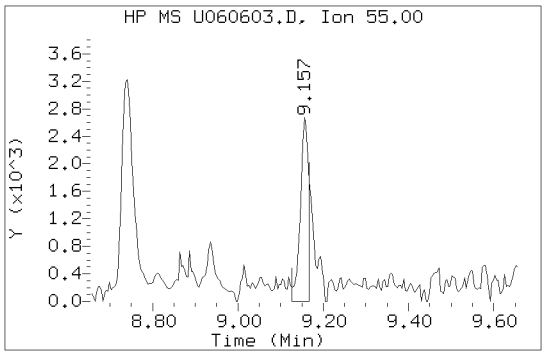
BEFORE

MASS
55
AREA
3642
HEIGHT
2680
08-Jun-2023
14:56
linh
pham



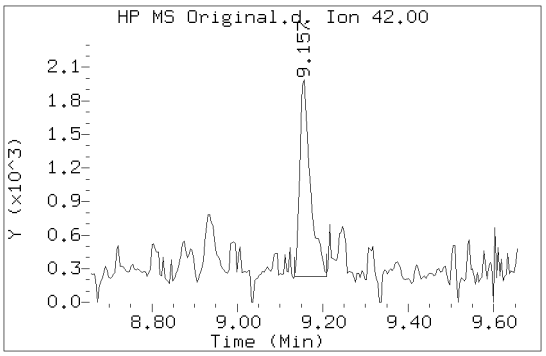
AFTER

MASS
55
AREA
3642
HEIGHT
2680
13-Jun-2023
13:00
linh
pham



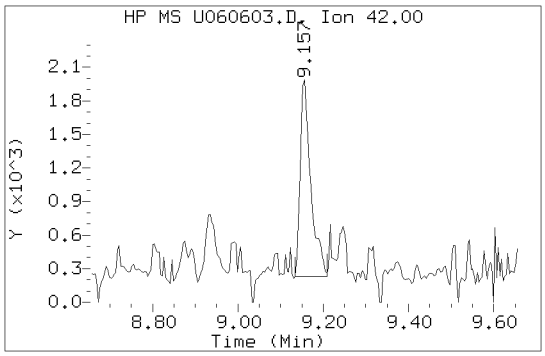
BEFORE

MASS
42
AREA
3088
HEIGHT
1757
08-Jun-2023
14:56
linh
pham



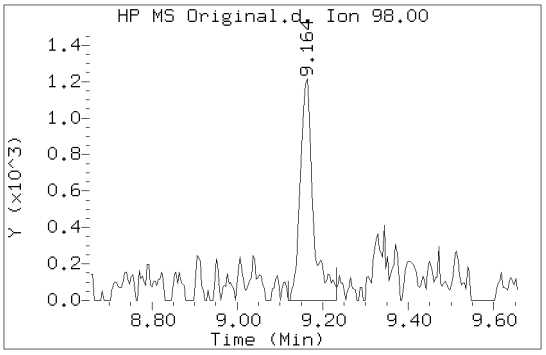
AFTER

MASS
42
AREA
3088
HEIGHT
1757
13-Jun-2023
13:00
linh
pham



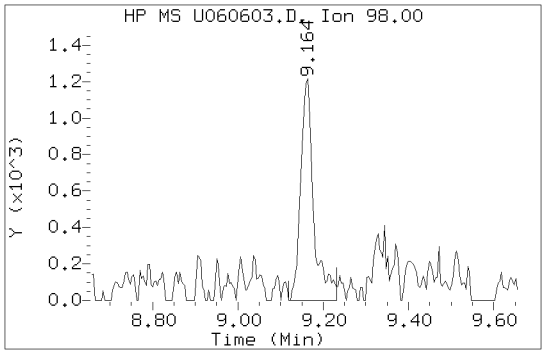
BEFORE

MASS
98
AREA
2606
HEIGHT
1216
08-Jun-2023
14:56
linh
pham



AFTER

MASS
98
AREA
2606
HEIGHT
1216
13-Jun-2023
13:00
linh
pham

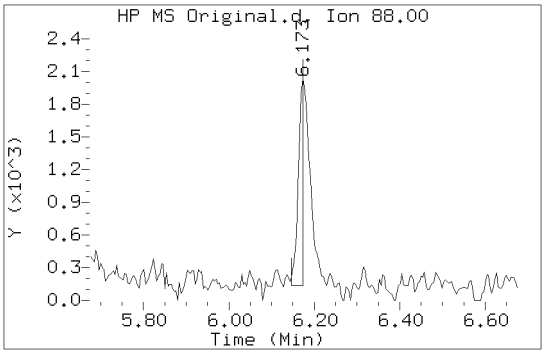


1,4-Dioxane ()

Reason Code:

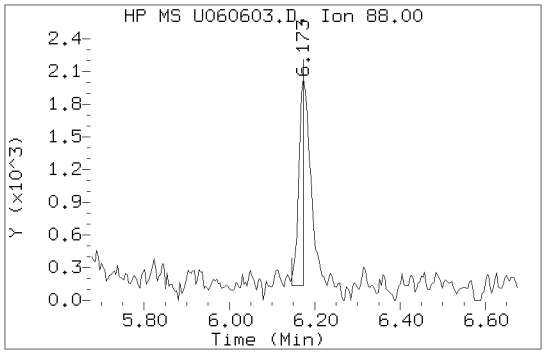
BEFORE

MASS
88
AREA
1567
HEIGHT
1901
08-Jun-2023
14:56
linh
pham



AFTER

MASS
88
AREA
1567
HEIGHT
1901
13-Jun-2023
13:00
linh
pham



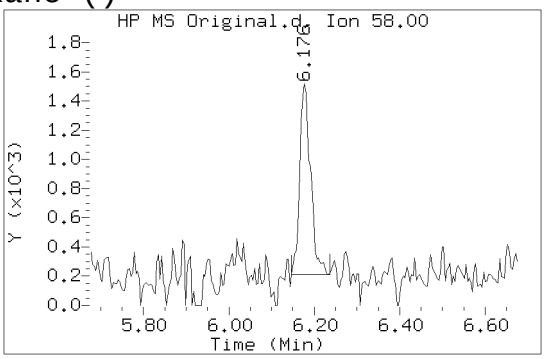
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Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

1,4-Dioxane ()

Reason Code:

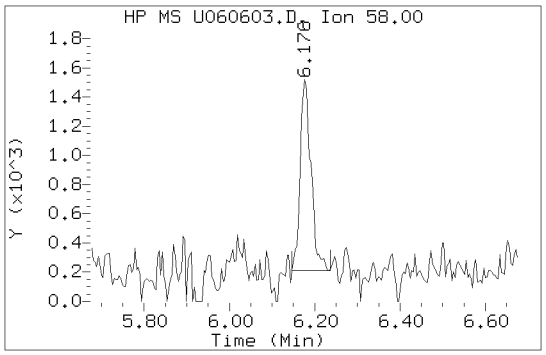
BEFORE

MASS
58
AREA
2344
HEIGHT
1308
08-Jun-2023
14:56
linh
pham



AFTER

MASS
58
AREA
2344
HEIGHT
1308
13-Jun-2023
13:00
linh
pham

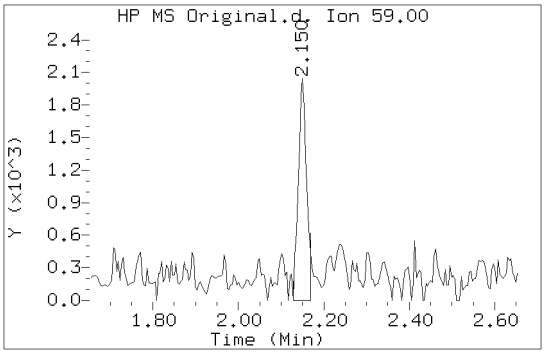


Diethyl ether (60-29-7)

Reason Code:

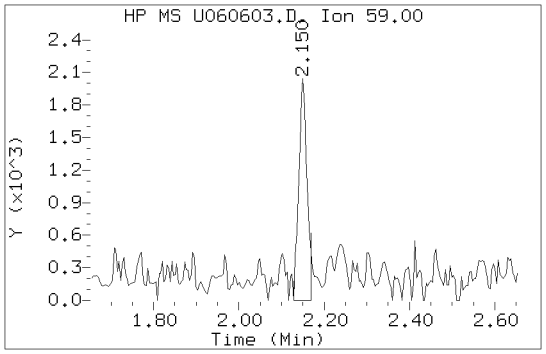
BEFORE

MASS
59
AREA
2812
HEIGHT
2042
08-Jun-2023
14:56
linh
pham



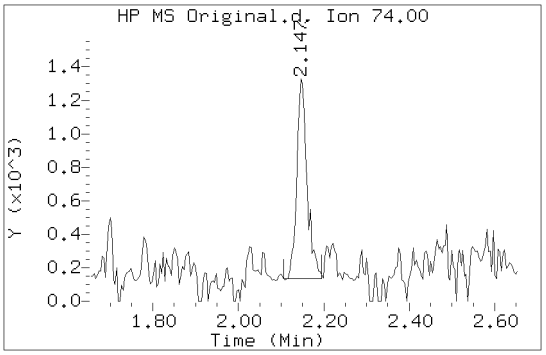
AFTER

MASS
59
AREA
2812
HEIGHT
2042
13-Jun-2023
13:00
linh
pham



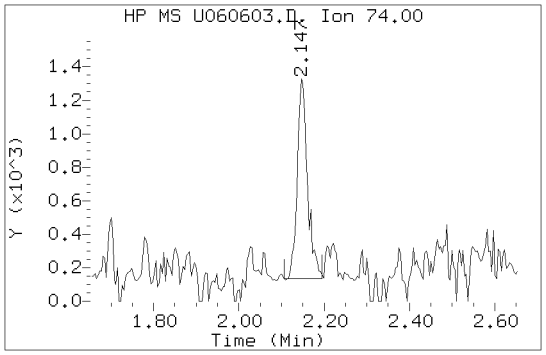
BEFORE

MASS
74
AREA
2051
HEIGHT
1194
08-Jun-2023
14:56
linh
pham



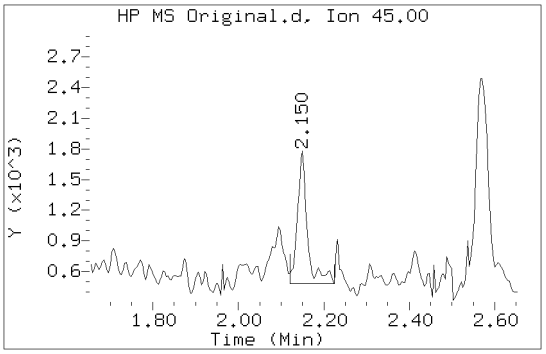
AFTER

MASS
74
AREA
2051
HEIGHT
1194
13-Jun-2023
13:00
linh
pham



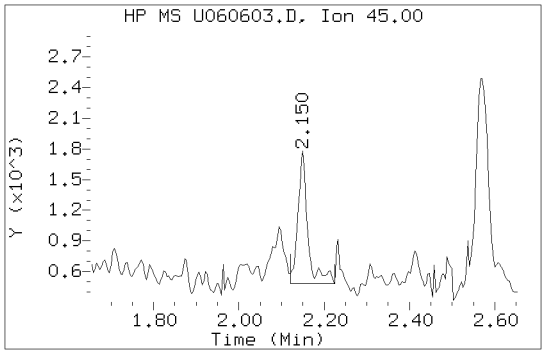
BEFORE

MASS
45
AREA
2149
HEIGHT
1297
08-Jun-2023
14:56
linh
pham



AFTER

MASS
45
AREA
2149
HEIGHT
1297
13-Jun-2023
13:00
linh
pham



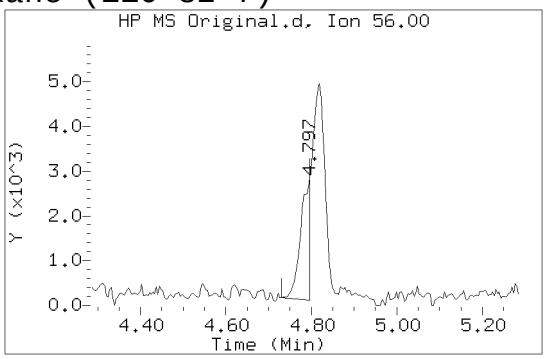
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Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

Cyclohexane (110-82-7)

Reason Code:

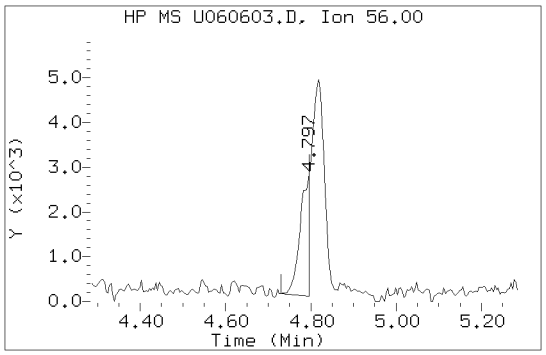
BEFORE

MASS
56
AREA
4345
HEIGHT
2735
08-Jun-2023
14:56
linh
pham



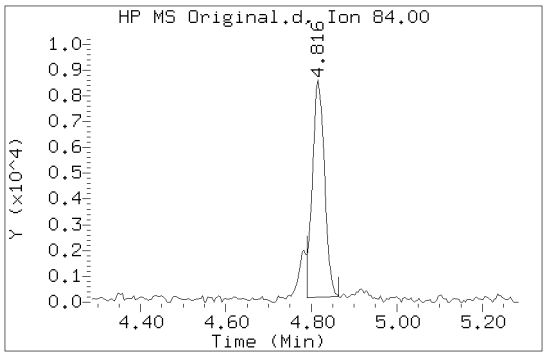
AFTER

MASS
56
AREA
4345
HEIGHT
2735
13-Jun-2023
13:00
linh
pham



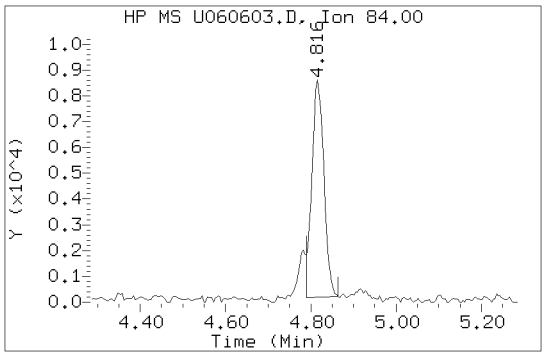
BEFORE

MASS
84
AREA
16696
HEIGHT
8414
08-Jun-2023
14:56
linh
pham



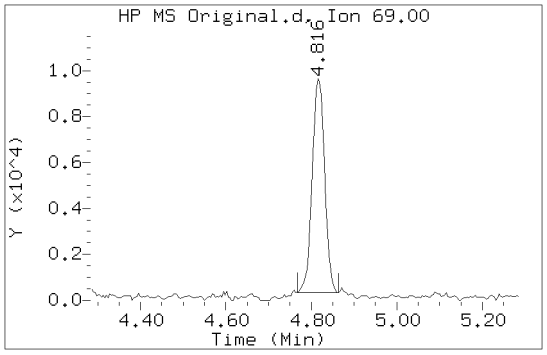
AFTER

MASS
84
AREA
16696
HEIGHT
8414
13-Jun-2023
13:00
linh
pham



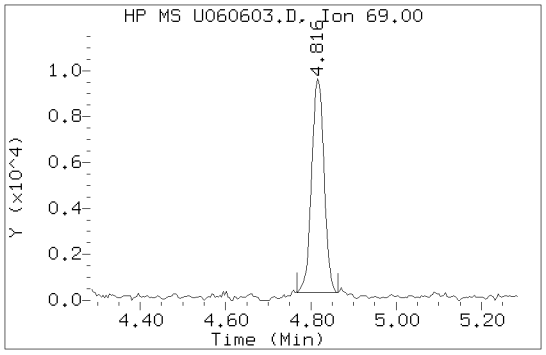
BEFORE

MASS
69
AREA
18963
HEIGHT
9317
08-Jun-2023
14:56
linh
pham



AFTER

MASS
69
AREA
18963
HEIGHT
9317
13-Jun-2023
13:00
linh
pham

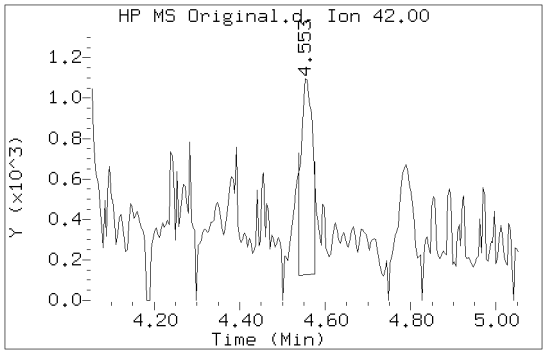


Tetrahydrofuran (109-99-9)

Reason Code:

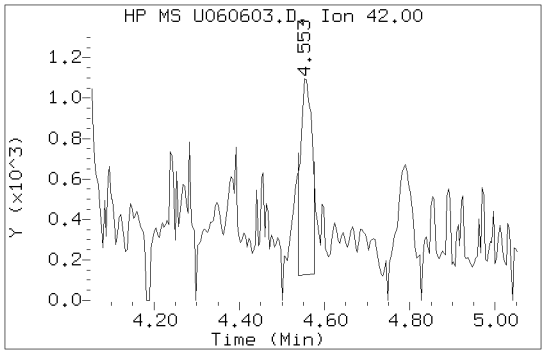
BEFORE

MASS
42
AREA
1846
HEIGHT
970
08-Jun-2023
14:56
linh
pham



AFTER

MASS
42
AREA
1846
HEIGHT
970
13-Jun-2023
13:00
linh
pham



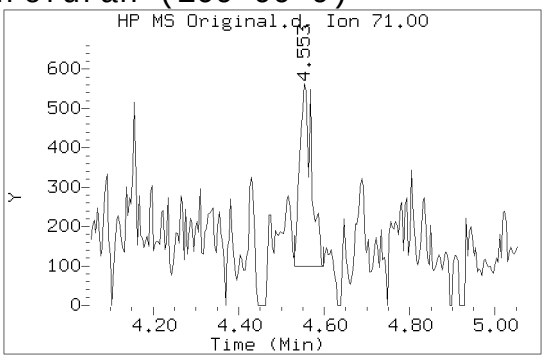
Data File : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060603.D
Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

Tetrahydrofuran (109-99-9)

Reason Code:

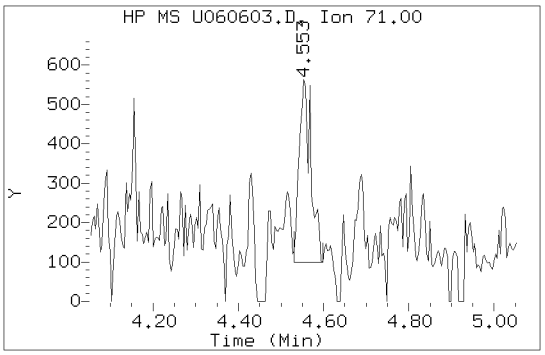
BEFORE

MASS
71
AREA
900
HEIGHT
464
08-Jun-2023
14:56
linh
pham



AFTER

MASS
71
AREA
900
HEIGHT
464
13-Jun-2023
13:00
linh
pham

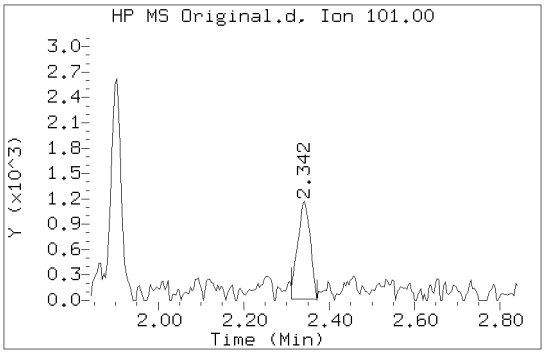


Freon TF (76-13-1)

Reason Code:

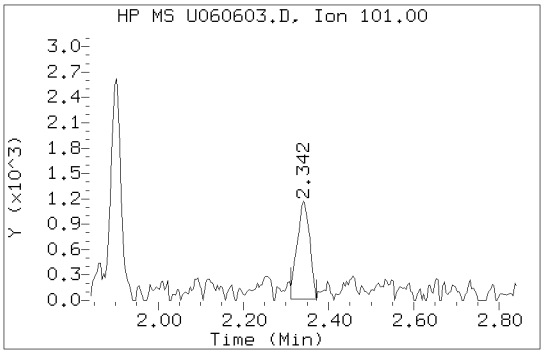
BEFORE

MASS
101
AREA
2391
HEIGHT
1159
08-Jun-2023
14:56
linh
pham



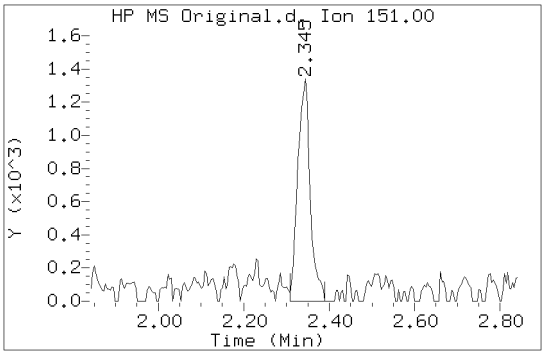
AFTER

MASS
101
AREA
2391
HEIGHT
1159
13-Jun-2023
13:00
linh
pham



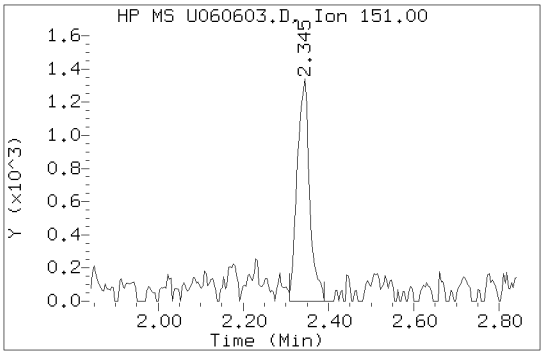
BEFORE

MASS
151
AREA
2754
HEIGHT
1340
08-Jun-2023
14:56
linh
pham



AFTER

MASS
151
AREA
2754
HEIGHT
1340
13-Jun-2023
13:00
linh
pham

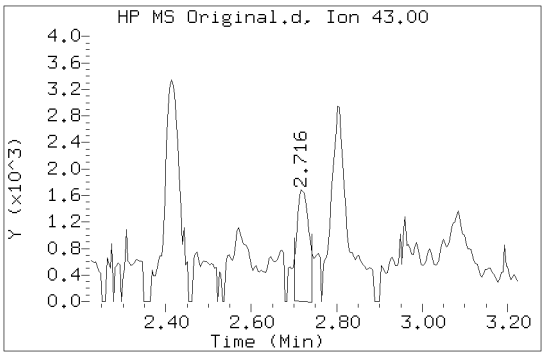


Methyl Acetate (79-20-9)

Reason Code:

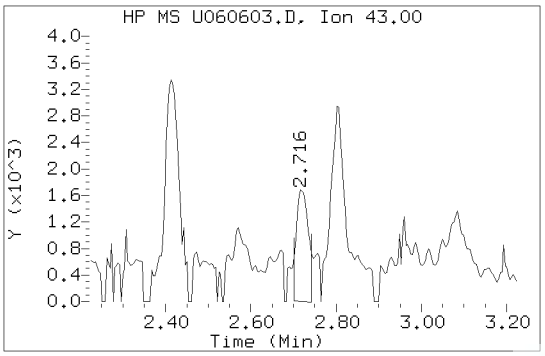
BEFORE

MASS
43
AREA
3375
HEIGHT
1684
08-Jun-2023
14:56
linh
pham



AFTER

MASS
43
AREA
3375
HEIGHT
1684
13-Jun-2023
13:00
linh
pham

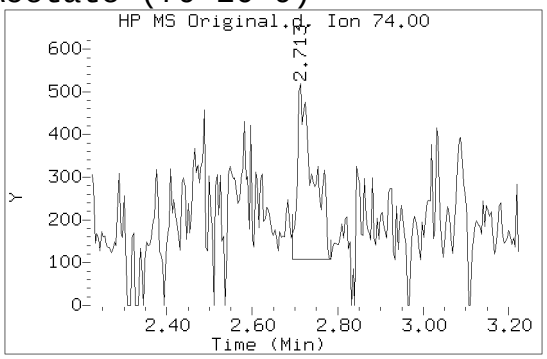


Data File : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060603.D
Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

Methyl Acetate (79-20-9)

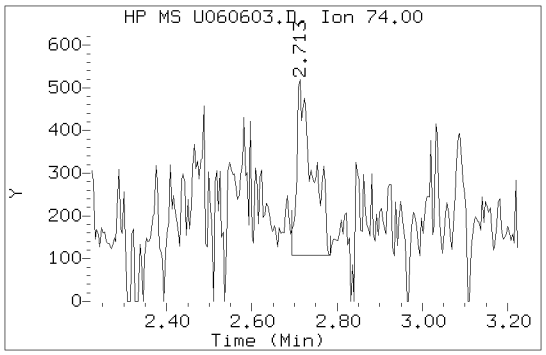
BEFORE

MASS
74
AREA
1069
HEIGHT
411
08-Jun-2023
14:56
linh
pham



AFTER

MASS
74
AREA
1069
HEIGHT
411
13-Jun-2023
13:00
linh
pham

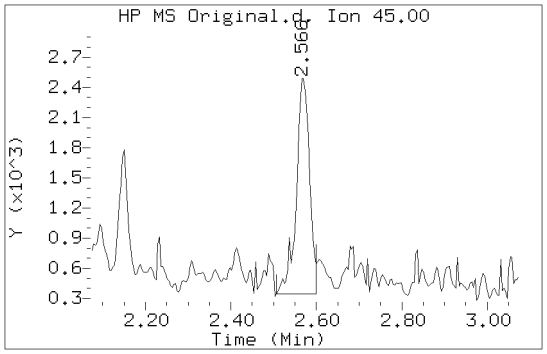


Reason Code:

Isopropyl Alcohol (67-63-0)

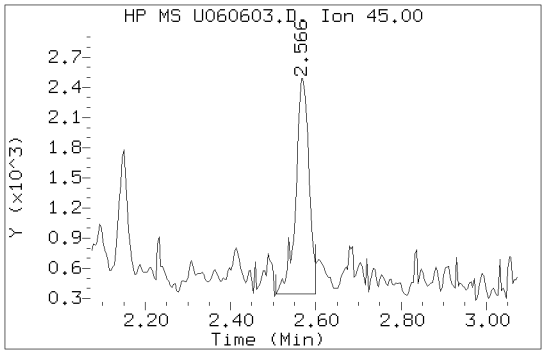
BEFORE

MASS
45
AREA
4735
HEIGHT
2141
08-Jun-2023
14:56
linh
pham



AFTER

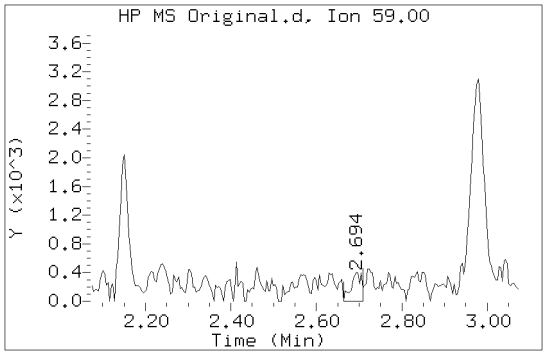
MASS
45
AREA
4735
HEIGHT
2141
13-Jun-2023
13:00
linh
pham



Reason Code:

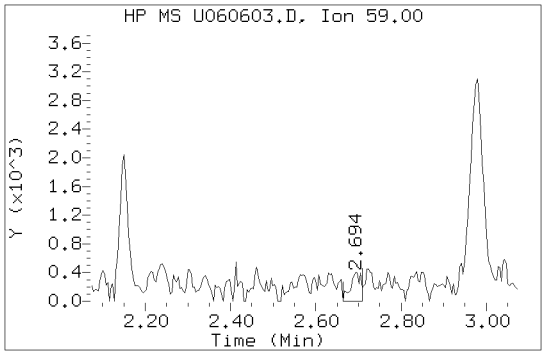
BEFORE

MASS
59
AREA
670
HEIGHT
403
08-Jun-2023
14:56
linh
pham



AFTER

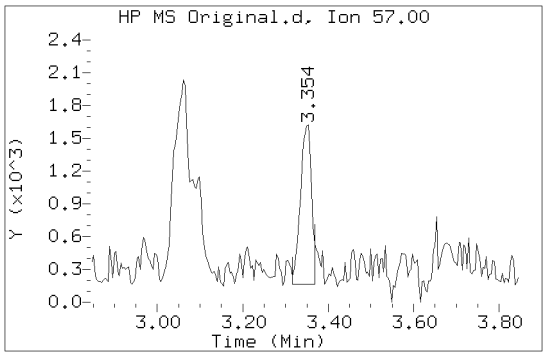
MASS
59
AREA
670
HEIGHT
403
13-Jun-2023
13:00
linh
pham



Allyl alcohol (107-18-6)

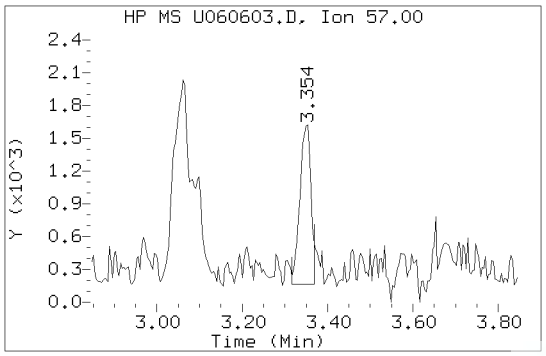
BEFORE

MASS
57
AREA
2691
HEIGHT
1461
08-Jun-2023
14:56
linh
pham



AFTER

MASS
57
AREA
2691
HEIGHT
1461
13-Jun-2023
13:00
linh
pham



Reason Code:

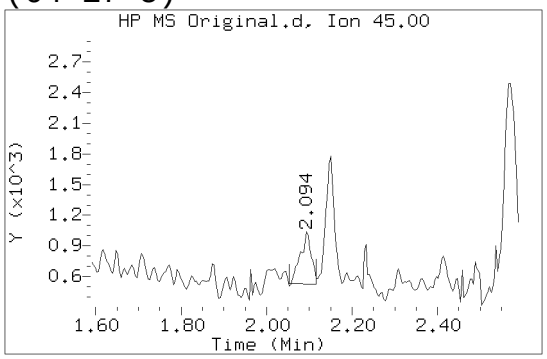
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Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

Ethanol (64-17-5)

Reason Code:

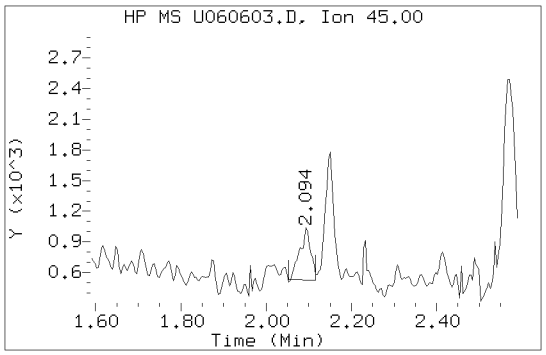
BEFORE

MASS
45
AREA
929
HEIGHT
515
08-Jun-2023
14:56
linh
pham



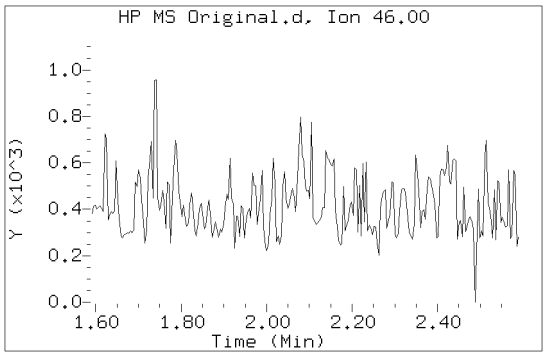
AFTER

MASS
45
AREA
929
HEIGHT
515
13-Jun-2023
13:00
linh
pham



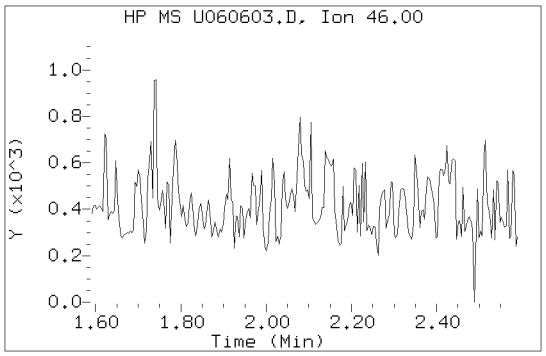
BEFORE

MASS
46
AREA
0
HEIGHT
0
08-Jun-2023
14:56
linh
pham



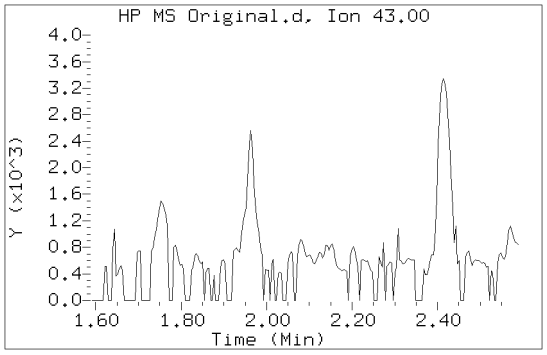
AFTER

MASS
46
AREA
0
HEIGHT
0
13-Jun-2023
13:00
linh
pham



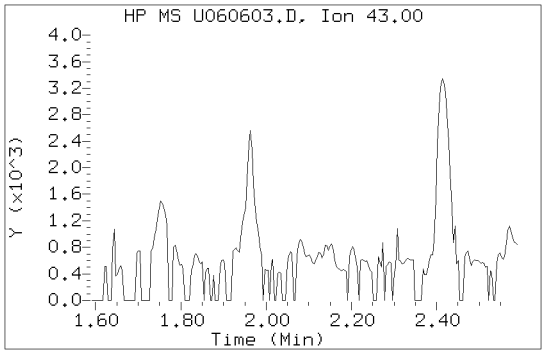
BEFORE

MASS
43
AREA
0
HEIGHT
0
08-Jun-2023
14:56
linh
pham



AFTER

MASS
43
AREA
0
HEIGHT
0
13-Jun-2023
13:00
linh
pham

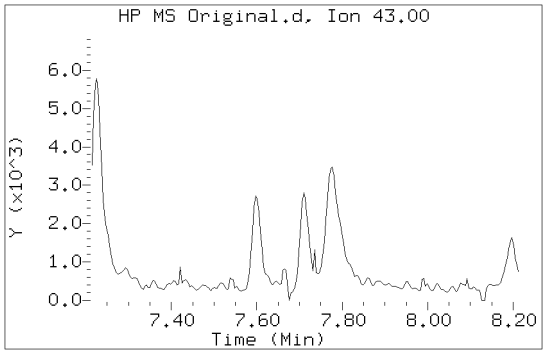


n-Butyl acetate (123-86-4)

Reason Code:

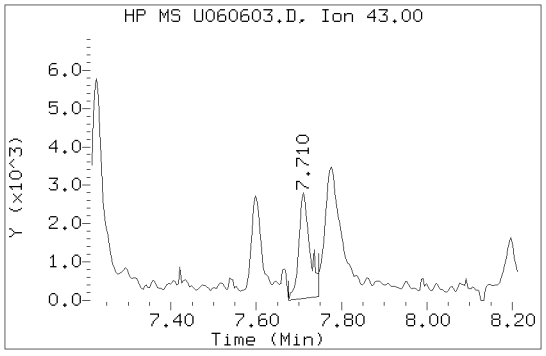
BEFORE

MASS
43
AREA
0
HEIGHT
0
08-Jun-2023
14:56
linh
pham



AFTER

MASS
43
AREA
5135
HEIGHT
2763
13-Jun-2023
13:00
linh
pham

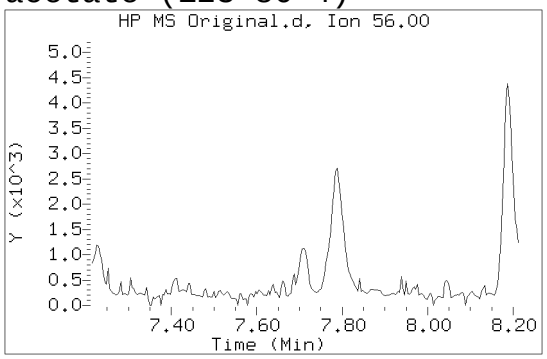


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Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

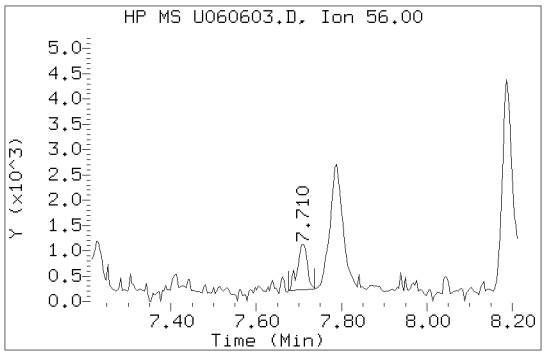
n-Butyl acetate (123-86-4)

Reason Code:

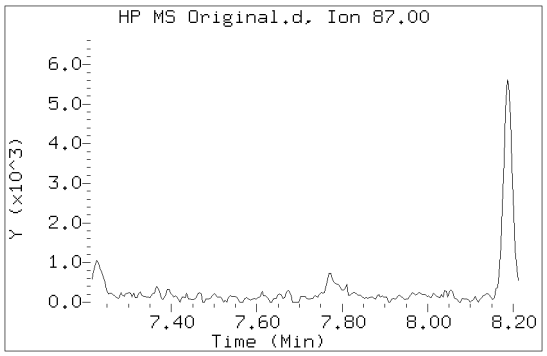
BEFORE
MASS
56
AREA
0
HEIGHT
0
08-Jun-2023
14:56
linh
pham



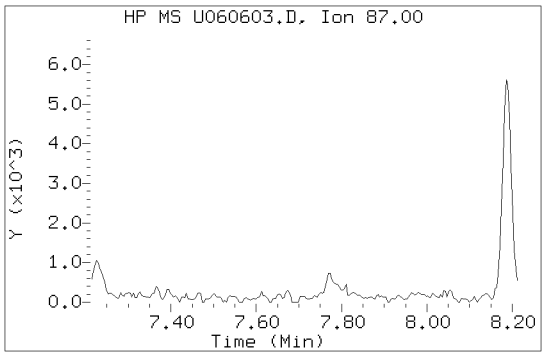
AFTER
MASS
56
AREA
1504
HEIGHT
896
13-Jun-2023
13:00
linh
pham



BEFORE
MASS
87
AREA
0
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08-Jun-2023
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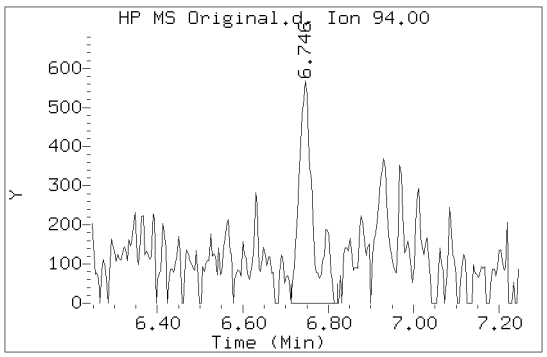
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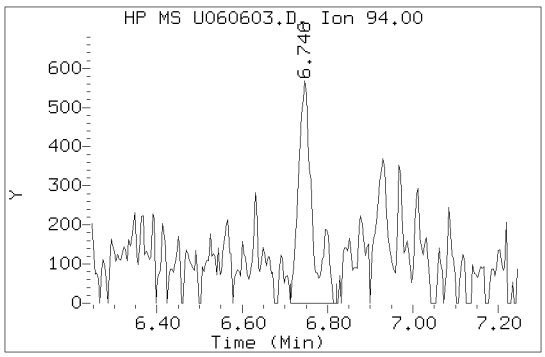
Dimethyl Disulfide (624-92-0)

Reason Code:

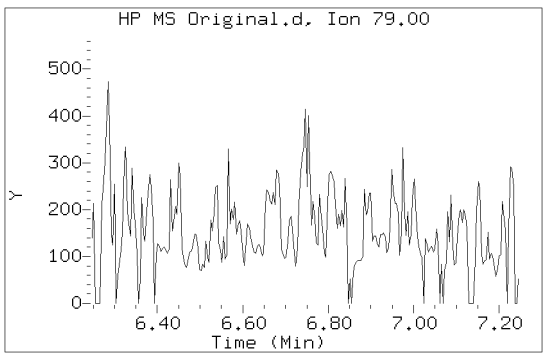
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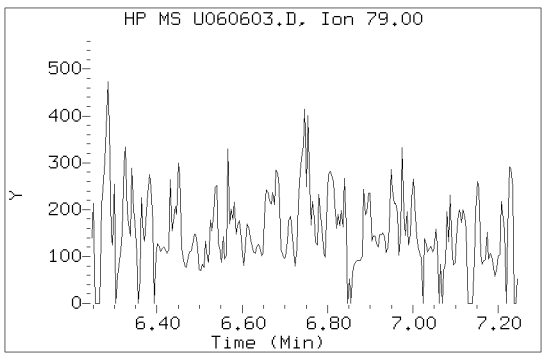
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13-Jun-2023
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BEFORE
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AREA
0
HEIGHT
0
08-Jun-2023
14:56
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pham



AFTER
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HEIGHT
0
13-Jun-2023
13:00
linh
pham



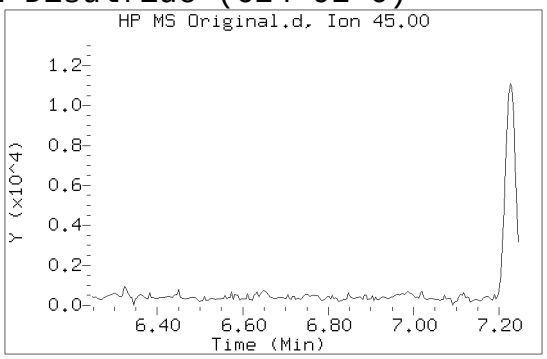
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Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

Dimethyl Disulfide (624-92-0)

Reason Code:

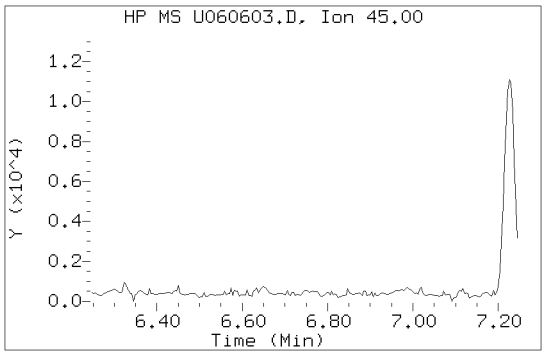
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08-Jun-2023
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AFTER

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HEIGHT
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13-Jun-2023
13:00
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pham

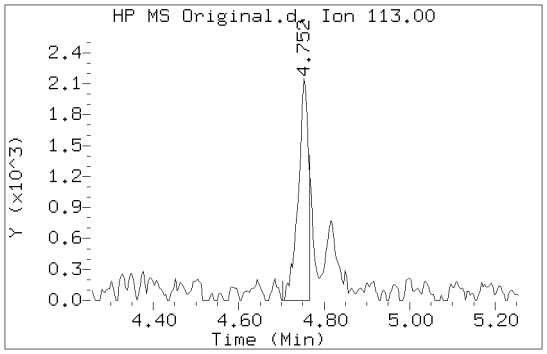


Dibromofluoromethane (1868-53-7)

Reason Code:

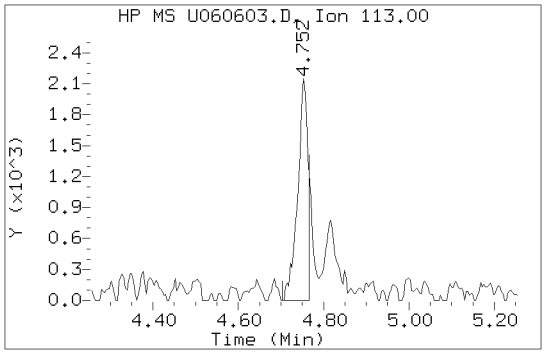
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14:56
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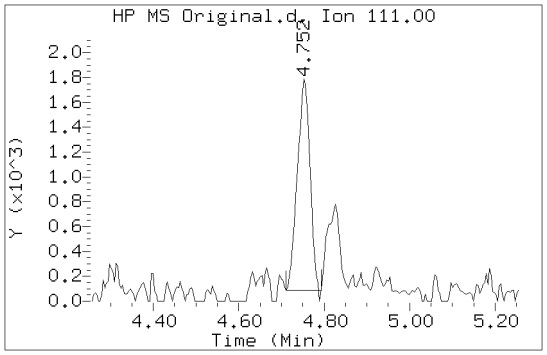
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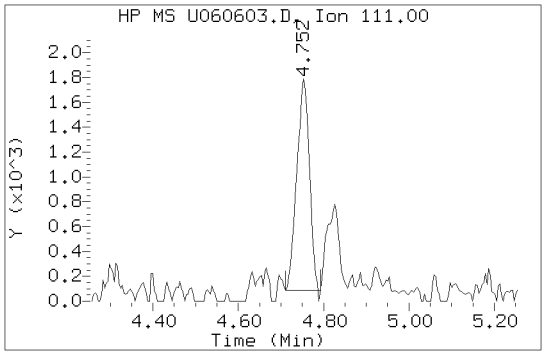
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AFTER

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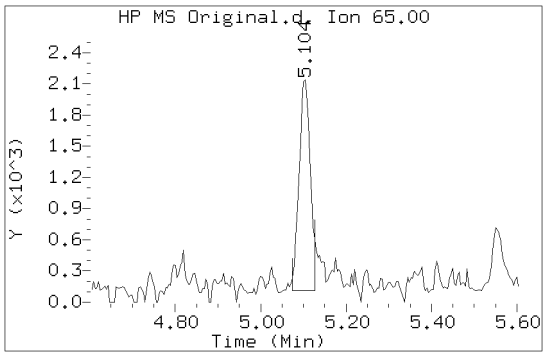


1,2-Dichloroethane-d4 (17060-07-0)

Reason Code:

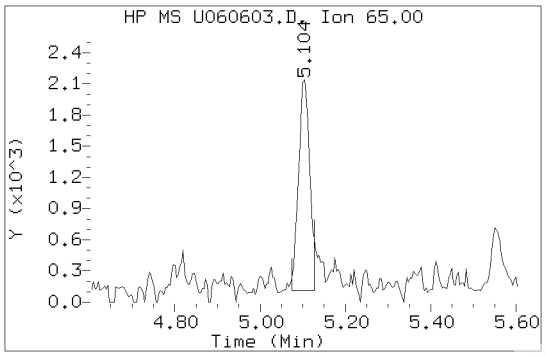
BEFORE

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2029
08-Jun-2023
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AFTER

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3795
HEIGHT
2029
13-Jun-2023
13:00
linh
pham



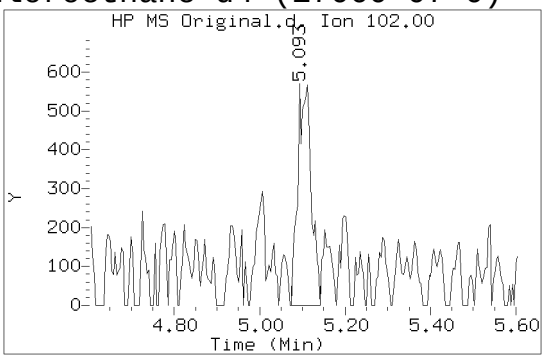
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Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

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

Reason Code:

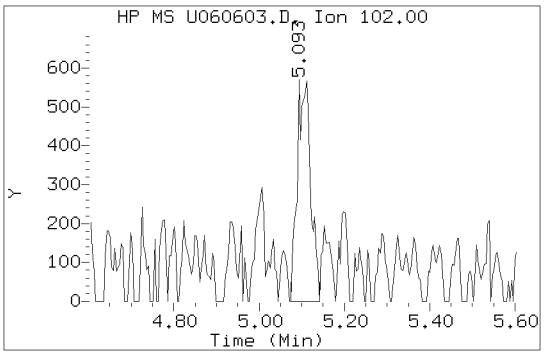
BEFORE

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08-Jun-2023
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AFTER

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13-Jun-2023
13:00
linh
pham

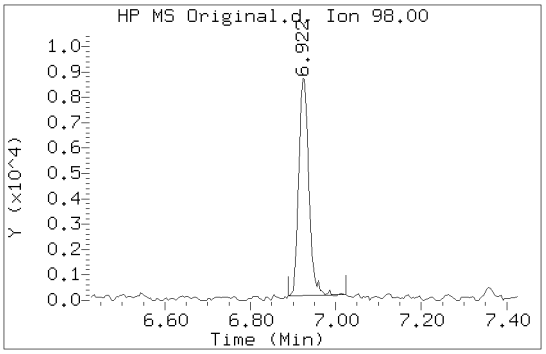


Toluene-d8 (2037-26-5)

Reason Code:

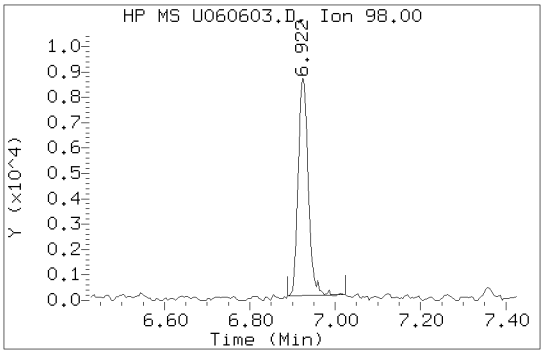
BEFORE

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08-Jun-2023
14:56
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pham



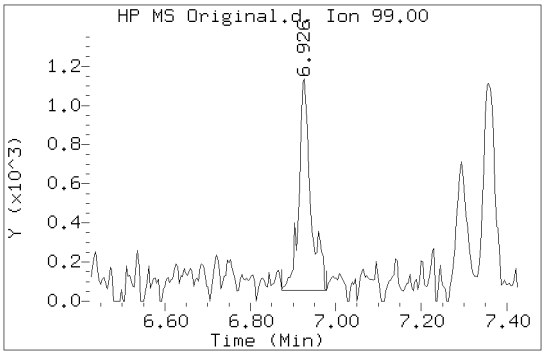
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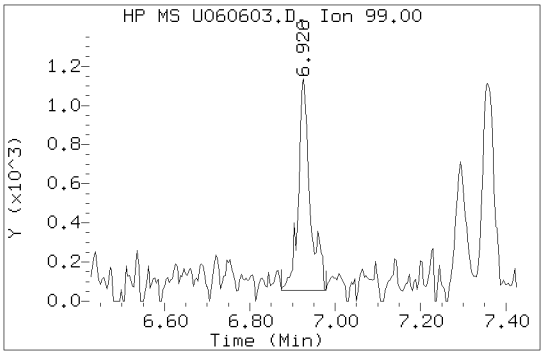
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08-Jun-2023
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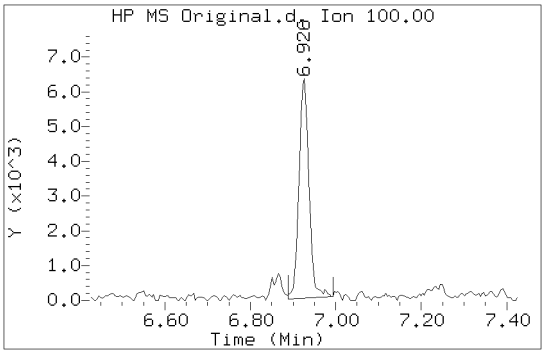
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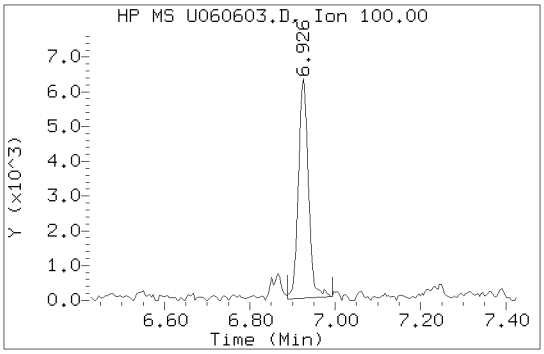
BEFORE

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08-Jun-2023
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AFTER

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13-Jun-2023
13:00
linh
pham



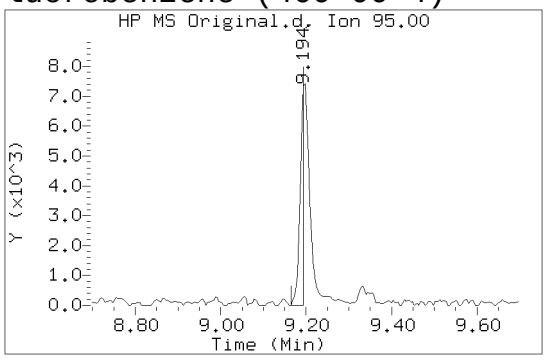
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Inj Date : 06-JUN-2023 11:37
InstruID : VOA9.i
LabSampID : VSTD000.5

4-Bromofluorobenzene (460-00-4)

Reason Code:

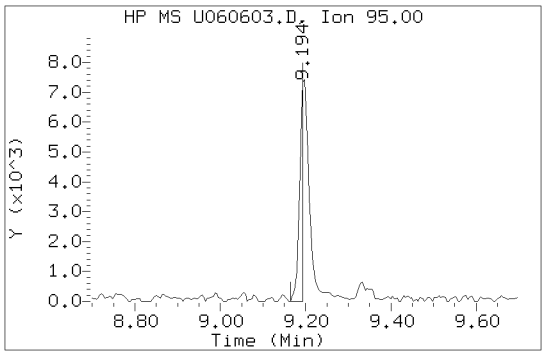
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08-Jun-2023
14:56
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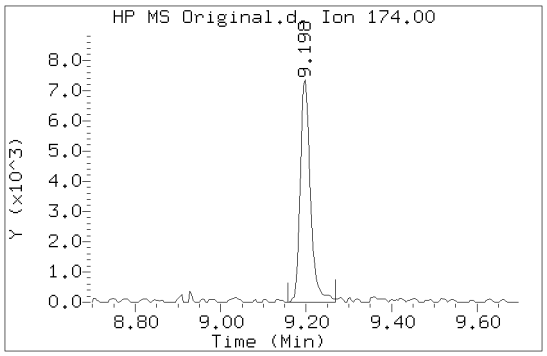
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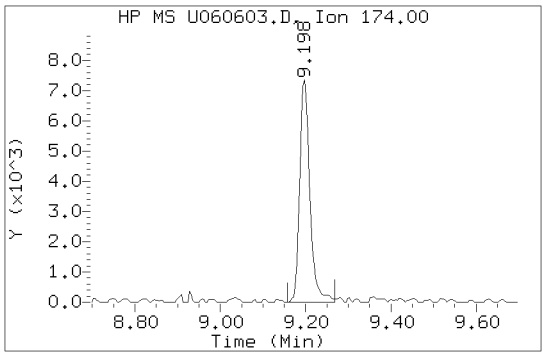
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08-Jun-2023
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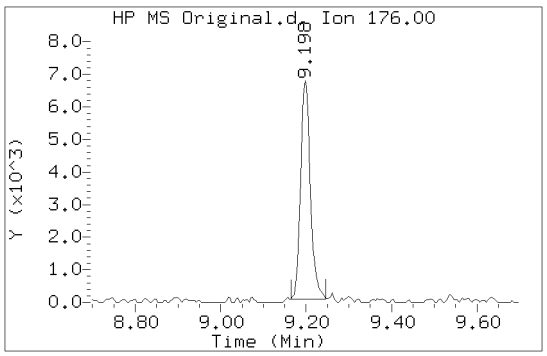
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13-Jun-2023
13:00
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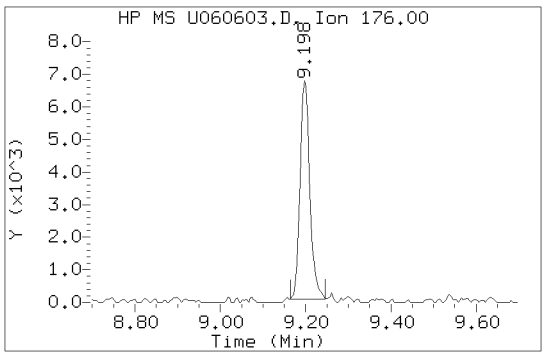
BEFORE

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08-Jun-2023
14:56
linh
pham



AFTER

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HEIGHT
6707
13-Jun-2023
13:00
linh
pham



Data File: \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060606.D Page 1
Report Date: 13-Jun-2023 13:01

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060606.D
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Inj Date : 06-JUN-2023 13:06
Operator : PC Inst ID: VOA9.i
Smp Info : VSTD005;VSTD005;1;5;
Misc Info : V9;WATER;0;1;
Comment   :
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Meth Date : 13-Jun-2023 13:01 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 11:59 Cal File: U060603A.D
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
* 1	Pentafluorobenzene	168	4.811	4.811	(1.000)	661055	50.0000	
2	Dichlorodifluoromethane	85	1.156	1.156	(0.240)	31172	5.00000	5.17
3	Chloromethane	50	1.287	1.287	(0.268)	62455	5.00000	5.08
5	Vinyl Chloride	62	1.370	1.370	(0.285)	36493	5.00000	5.21
6	Bromomethane	94	1.613	1.613	(0.335)	23995	5.00000	5.08
7	Chloroethane	64	1.692	1.692	(0.352)	23603	5.00000	5.01
8	Trichlorofluoromethane	101	1.887	1.887	(0.392)	41967	5.00000	5.22
9	Acrolein	56	2.258	2.258	(0.469)	3393	10.0000	9.67(aM)
10	Acetone	43	2.401	2.401	(0.499)	31915	10.0000	9.15
11	1,1-Dichloroethene	96	2.326	2.326	(0.483)	25586	5.00000	5.09
15	Iodomethane	142	2.461	2.461	(0.512)	10875	10.0000	12.46(M)
16	Acrylonitrile	53	3.060	3.060	(0.636)	26401	10.0000	10.76
17	Methylene Chloride	84	2.787	2.787	(0.579)	34262	5.00000	4.77(a)
18	Methyl tert-butyl ether	73	3.075	3.075	(0.639)	77272	5.00000	5.02
19	Carbon Disulfide	76	2.513	2.513	(0.522)	137840	10.0000	10.27
20	trans-1,2-Dichloroethene	96	3.049	3.049	(0.634)	27553	5.00000	5.04
21	Vinyl Acetate	43	3.604	3.604	(0.749)	174288	10.0000	10.47
22	1,1-Dichloroethane	63	3.507	3.507	(0.729)	52777	5.00000	5.08
24	2-Butanone	43	4.264	4.264	(0.886)	29852	10.0000	9.90
26	2,2-Dichloropropane	77	4.174	4.174	(0.868)	33762	5.00000	5.28

27 cis-1,2-Dichloroethene	96	4.189	4.189 (0.871)	34046	5.00000	5.21
28 Chloroform	83	4.567	4.567 (0.949)	56388	5.00000	5.22

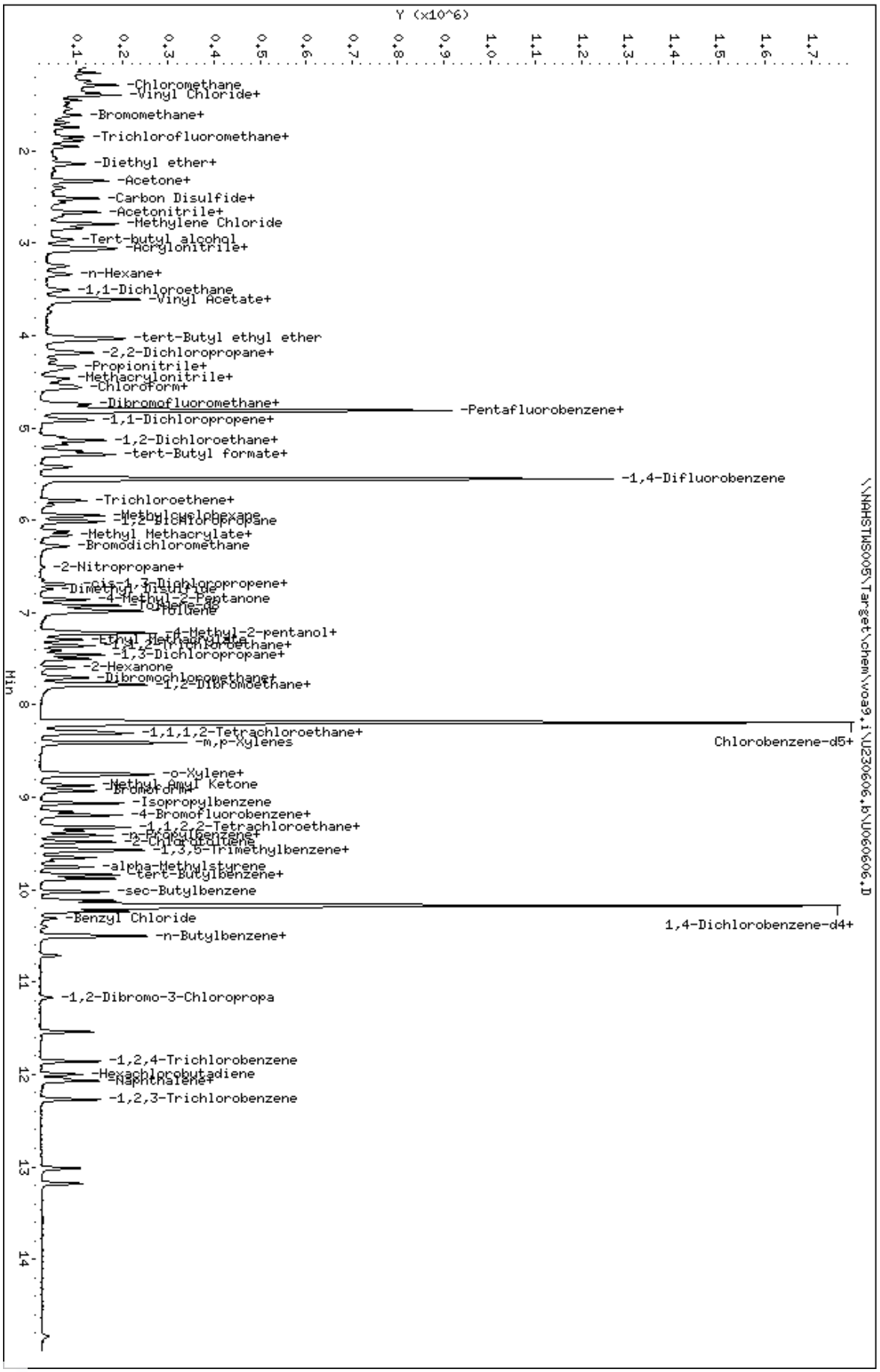
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	29 Bromochloromethane	128	4.462	4.462	(0.928)	18916	5.00000	5.17
$	30 Dibromofluoromethane	113	4.744	4.744	(0.986)	30229	5.00000	5.16
	31 1,1,1-Trichloroethane	97	4.740	4.740	(0.985)	40381	5.00000	4.90(a)
	32 1,1-Dichloropropene	75	4.920	4.920	(0.887)	35687	5.00000	4.94(a)
	33 1,2-Dichloroethane	62	5.175	5.175	(0.932)	44658	5.00000	5.23
	34 Carbon Tetrachloride	117	4.909	4.909	(0.885)	30773	5.00000	4.63(a)
$	35 1,2-Dichloroethane-d4	65	5.096	5.096	(1.059)	34153	5.00000	5.08
*	36 1,4-Difluorobenzene	114	5.550	5.550	(1.000)	985343	50.0000	
	37 Benzene	78	5.137	5.137	(0.926)	124450	5.00000	5.24
	38 Trichloroethene	130	5.786	5.786	(1.043)	36191	5.00000	5.25
	39 Bromodichloromethane	83	6.277	6.277	(1.131)	36599	5.00000	4.94(a)
	42 1,2-Dichloropropane	63	6.011	6.011	(1.083)	32316	5.00000	5.09
	44 Dibromomethane	93	6.119	6.119	(1.103)	20983	5.00000	5.18
	45 4-Methyl-2-Pentanone	43	6.858	6.858	(0.838)	69130	10.0000	10.20
	46 cis-1,3-Dichloropropene	75	6.693	6.693	(1.206)	37734	5.00000	5.56
*	47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	930383	50.0000	
$	48 Toluene-d8	98	6.922	6.922	(0.846)	106553	5.00000	5.06(M)
	50 Toluene	91	6.982	6.982	(0.853)	128415	5.00000	5.08
	51 trans-1,3-Dichloropropene	75	7.199	7.199	(1.297)	31811	5.00000	5.68(M)
	52 2-Hexanone	43	7.593	7.593	(0.928)	46135	10.0000	9.77
	53 1,1,2-Trichloroethane	83	7.356	7.356	(0.899)	27005	5.00000	5.14
	54 1,3-Dichloropropane	76	7.499	7.499	(0.916)	55865	5.00000	5.20
	55 Dibromochloromethane	129	7.694	7.694	(0.940)	28715	5.00000	4.60(a)
	56 Tetrachloroethene	164	7.458	7.458	(0.911)	31033	5.00000	5.04
	57 1,2-Dibromoethane	107	7.788	7.788	(0.951)	31859	5.00000	4.91(a)
	58 1-Chlorohexane	55	8.196	8.196	(1.477)	23998	5.00000	4.74(aM)
	59 Chlorobenzene	112	8.211	8.211	(1.003)	93304	5.00000	5.18
	60 1,1,1,2-Tetrachloroethane	131	8.282	8.282	(1.012)	29452	5.00000	4.75(a)
	61 Ethylbenzene	106	8.305	8.305	(1.015)	40417	5.00000	4.82(a)
	62 m,p-Xylenes	106	8.410	8.410	(1.027)	87802	10.0000	8.85(a)
	63 o-Xylene	106	8.747	8.747	(1.069)	45979	5.00000	4.69(a)
	64 Styrene	104	8.762	8.762	(1.071)	64961	5.00000	4.17(a)
	66 Bromoform	173	8.920	8.920	(1.090)	18587	5.00000	4.42(a)
	67 Isopropylbenzene	105	9.062	9.062	(1.107)	111398	5.00000	4.73(a)
	68 1,1,2,2-Tetrachloroethane	83	9.328	9.328	(0.917)	44946	5.00000	5.11
$	69 4-Bromofluorobenzene	95	9.193	9.193	(1.123)	49215	5.00000	5.13
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	467357	50.0000	
	71 1,2,3-Trichloropropane	75	9.362	9.362	(0.920)	38304	5.00000	4.95(a)
	73 n-Propylbenzene	91	9.411	9.411	(0.925)	110045	5.00000	4.48(a)
	74 Bromobenzene	156	9.317	9.317	(0.916)	38901	5.00000	4.93(a)
	75 1,3,5-Trimethylbenzene	105	9.561	9.561	(0.940)	78874	5.00000	4.68(a)
	76 2-Chlorotoluene	91	9.482	9.482	(0.932)	85816	5.00000	4.97(a)
	77 4-Chlorotoluene	91	9.576	9.576	(0.941)	94195	5.00000	4.93(a)
	78 tert-Butylbenzene	119	9.838	9.838	(0.967)	79517	5.00000	4.81(a)
	79 1,2,4-Trimethylbenzene	105	9.879	9.879	(0.971)	85616	5.00000	4.86(a)
	81 sec-Butylbenzene	105	10.022	10.022	(0.985)	96016	5.00000	4.58(a)
	82 p-Isopropyltoluene	119	10.145	10.145	(0.997)	79695	5.00000	4.54(a)
	83 1,3-Dichlorobenzene	146	10.116	10.116	(0.994)	67753	5.00000	5.05
	84 1,4-Dichlorobenzene	146	10.190	10.190	(1.002)	73343	5.00000	5.13
	87 n-Butylbenzene	91	10.494	10.494	(1.032)	70944	5.00000	4.72(a)
	88 1,2-Dichlorobenzene	146	10.505	10.505	(1.033)	65904	5.00000	4.90(a)
	89 1,2-Dibromo-3-Chloropropane	155	11.169	11.169	(1.098)	5840	5.00000	4.55(a)

90 1,2,4-Trichlorobenzene	180	11.859	11.859 (1.166)	42718	5.00000	4.62(a)
92 Naphthalene	128	12.069	12.069 (1.186)	95946	5.00000	4.47(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
93	1,2,3-Trichlorobenzene	180	12.271	12.271	(1.206)	42734	5.00000	4.73(a)
M 94	1,2-Dichloroethylene (total)	96				61599	10.0000	(a)
135	1,4-Dioxane	88	6.172	6.172	(1.283)	12691	100.000	96.68(a)
141	Cyclohexane	56	4.777	4.777	(0.993)	37840	5.00000	4.93(aM)
138	Freon TF	101	2.326	2.326	(0.483)	23128	5.00000	5.20
140	1,3-Butadiene	54	1.396	1.396	(0.290)	32480	5.00000	5.18
147	Methylcyclohexane	55	5.947	5.947	(1.072)	68659	5.00000	5.02
146	Methyl Acetate	43	2.708	2.708	(0.563)	27090	5.00000	4.86(a)
148	Tert-Butyl alcohol	59	2.963	2.963	(0.616)	66425	100.000	104.33
149	Isopropyl Alcohol	45	2.558	2.558	(0.532)	41674	100.000	96.43(T)
72	trans-1,4-Dichloro-2-butene	53	9.381	9.381	(1.146)	5142	5.00000	4.79(M)
12	Isobutyl Alcohol	43	5.287	5.287	(1.099)	83135	100.000	96.79(M)
13	Acetonitrile	39	2.663	2.663	(0.554)	35522	50.0000	49.63
14	Allyl Chloride	41	2.667	2.667	(0.554)	87674	5.00000	5.10
25	Methacrylonitrile	41	4.492	4.492	(0.934)	18250	5.00000	4.67
40	Methyl Methacrylate	41	6.157	6.157	(1.280)	26729	5.00000	4.70
4	Propionitrile	54	4.335	4.335	(0.901)	49866	50.0000	52.20(a)
136	n-Hexane	57	3.334	3.334	(0.693)	28289	5.00000	5.36
194	Acetaldehyde	44	1.452	1.452	(0.302)	14773	20.0000	16.20(M)
131	Methyl Acrylate	55	4.369	4.369	(0.908)	32767	5.00000	4.68(aM)
200	Dimethyl Disulfide	94	6.742	6.742	(0.824)	15263	5.00000	6.61(M)
23	Chloroprene	53	2.150	2.150	(0.447)	9849	5.00000	4.67(aM)
49	Ethyl Methacrylate	69	7.293	7.293	(1.314)	44828	5.00000	5.18
166	1,2,3-Trimethylbenzene	105	10.235	10.235	(1.006)	96136	5.00000	5.35
167	Ethanol	45	2.075	2.075	(0.431)	9968	100.000	100.77
164	Dicyclopentadiene	66	10.202	10.202	(1.003)	115572	5.00000	5.06
145	alpha-Methylstyrene	118	9.756	9.756	(0.959)	33946	5.00000	7.13
142	Tetrahydrofuran	42	4.541	4.541	(0.944)	13490	10.0000	9.46
156	Diisopropyl ether	45	3.615	3.615	(0.751)	94647	5.00000	5.13(T)
151	4-Methyl-2-pentanol	45	7.222	7.222	(1.301)	137040	100.000	93.52
150	Allyl alcohol	57	3.334	3.334	(0.693)	27611	100.000	105.45(M)
86	Benzyl Chloride	91	10.310	10.310	(1.260)	22092	5.00000	7.16
162	Butyl acrylate	55	8.736	8.736	(1.067)	52526	5.00000	4.77(a)
139	Diethyl ether	59	2.135	2.135	(0.444)	23079	5.00000	5.16
203	2-Ethylhexyl Acrylate	55	12.042	12.042	(1.184)	19373	5.00000	6.09
134	Cyclohexanone	55	9.156	9.156	(0.900)	28189	100.000	97.28(a)
130	Ethyl Acetate	43	4.264	4.264	(0.886)	29376	5.00000	4.97(aM)
189	n-Butyl acetate	43	7.709	7.709	(0.942)	50116	5.00000	4.73(aM)
182	Epichlorohydrin	57	6.629	6.629	(1.195)	2028	20.0000	31.12(M)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.



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Client ID: VSTD005
Sample Info: VSTD005;VSTD005;1;5;
Purge Volume: 5.0
Column phase: DB624

Instrument: VOA9.i
Operator: PC
Column diameter: 0.18

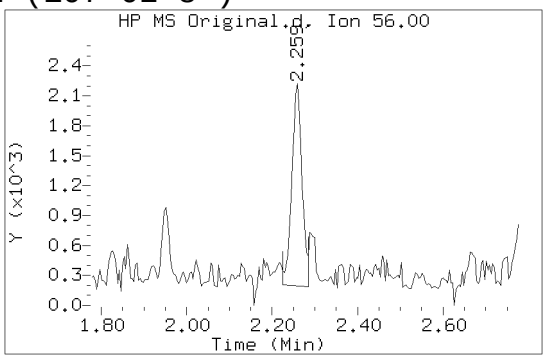
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InstruID : VOA9.i
LabSampID : VSTD005

Acrolein (107-02-8)

Reason Code:

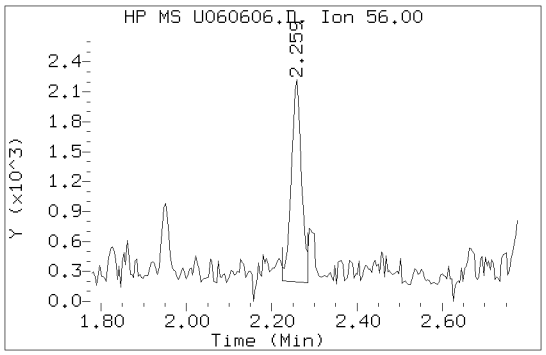
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HEIGHT
2027
08-Jun-2023
14:56
linh
pham



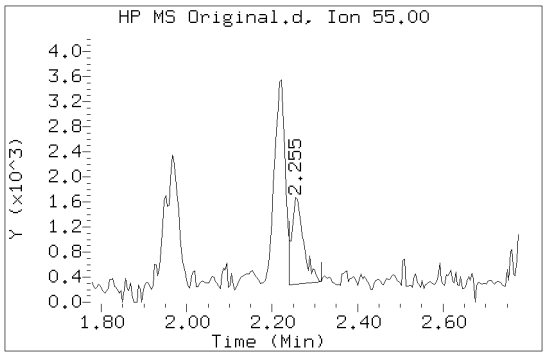
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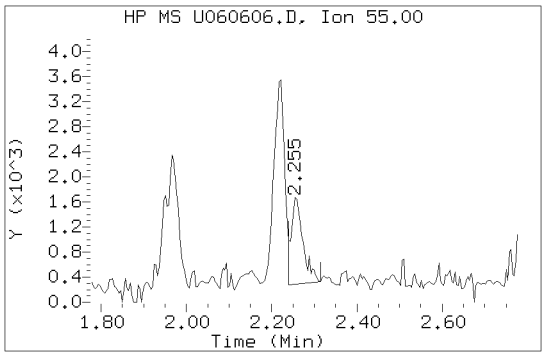
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08-Jun-2023
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AFTER

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13:00
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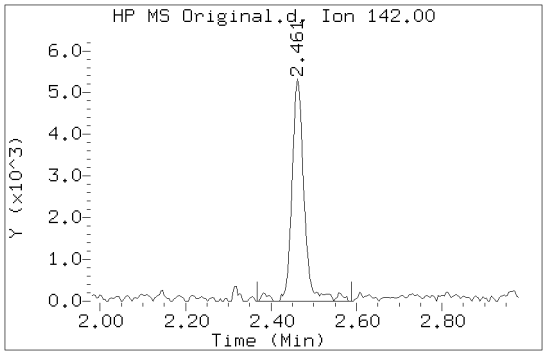


Iodomethane (74-88-4)

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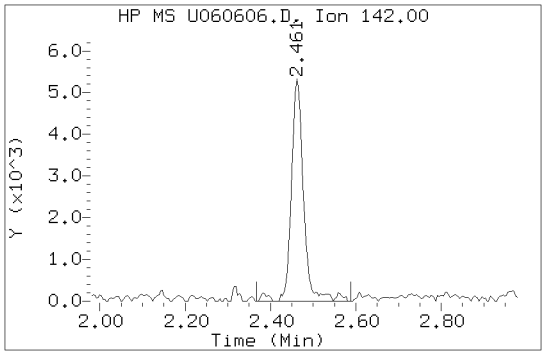
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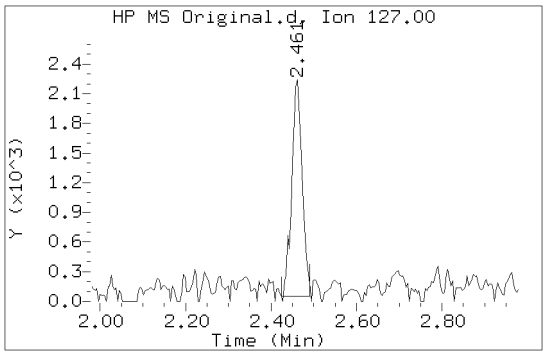
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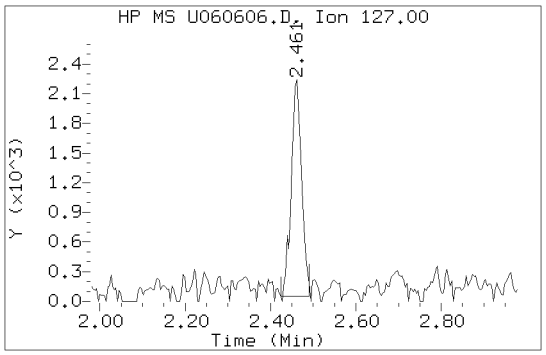
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08-Jun-2023
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AFTER

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HEIGHT
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13-Jun-2023
13:00
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pham



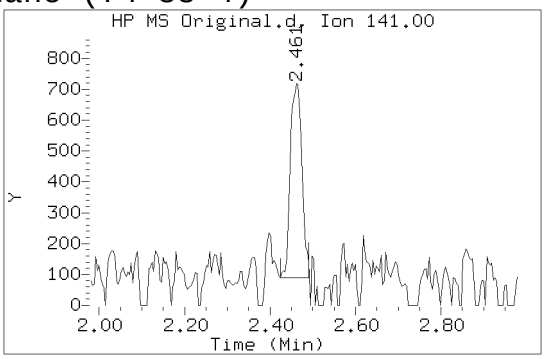
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InstruID : VOA9.i
LabSampID : VSTD005

Iodomethane (74-88-4)

Reason Code:

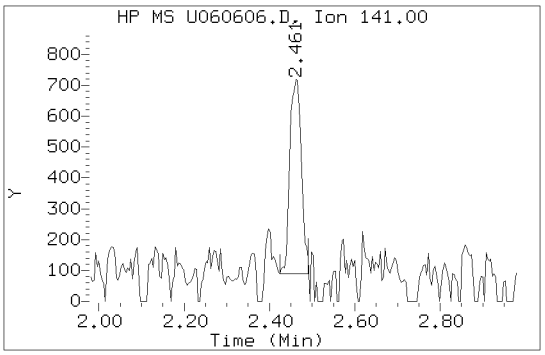
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08-Jun-2023
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AFTER

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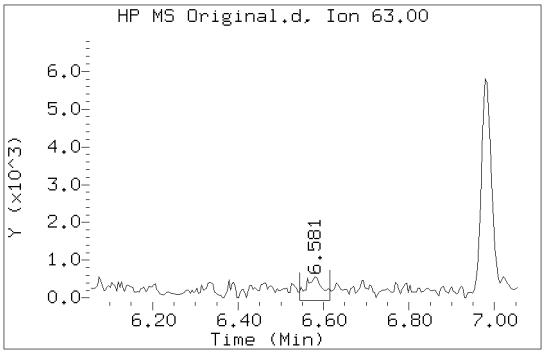


2-Chloroethylvinyl ether (110-75-8)

Reason Code:

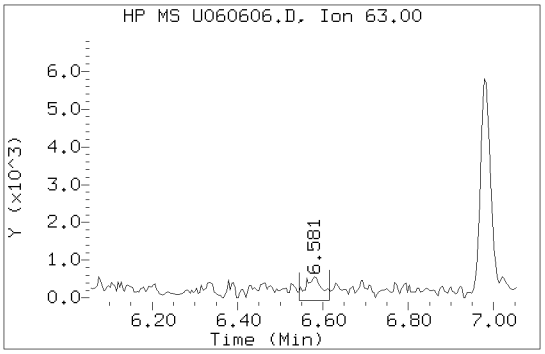
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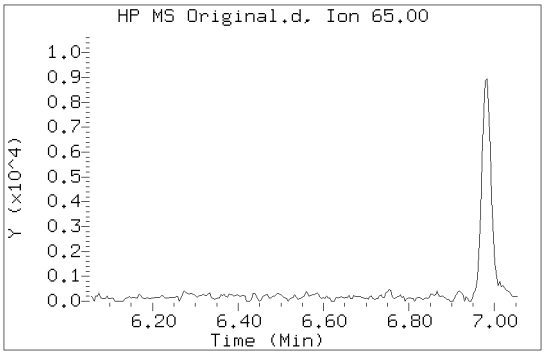
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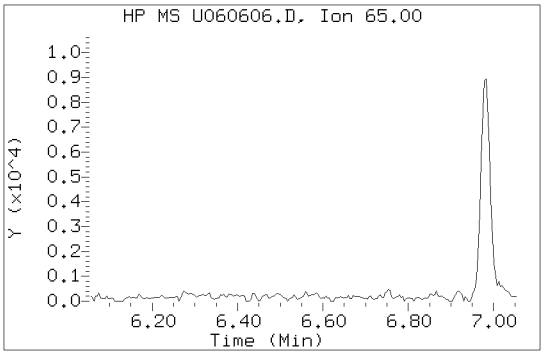
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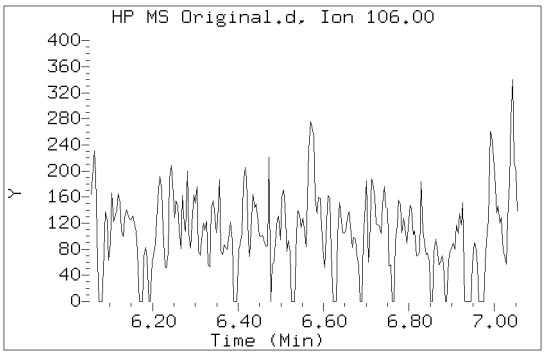
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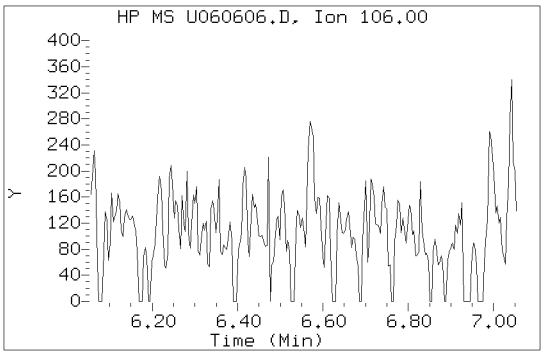
BEFORE

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AFTER

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13-Jun-2023
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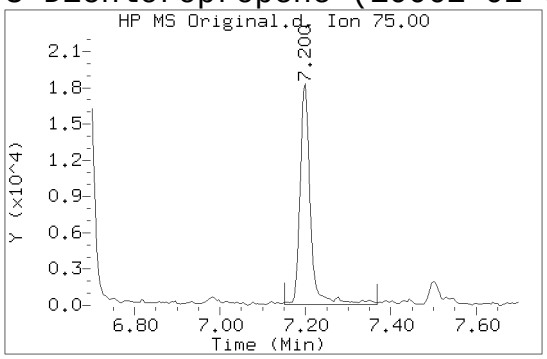


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InstruID : VOA9.i
LabSampID : VSTD005

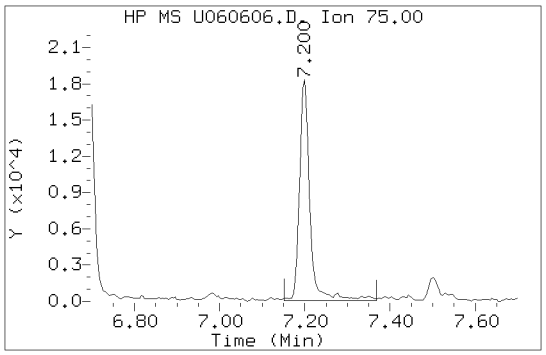
trans-1,3-Dichloropropene (10061-02-6)

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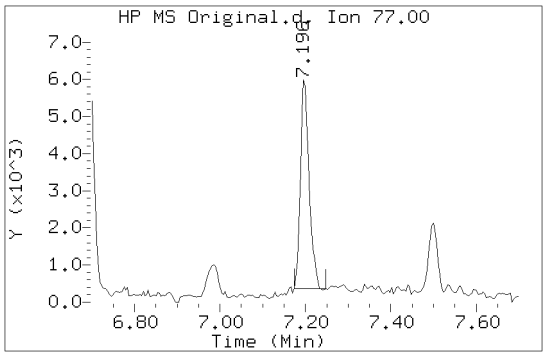
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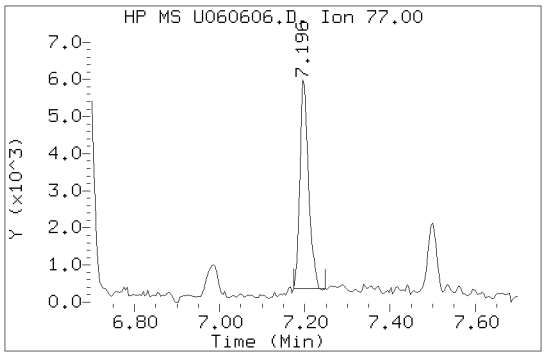
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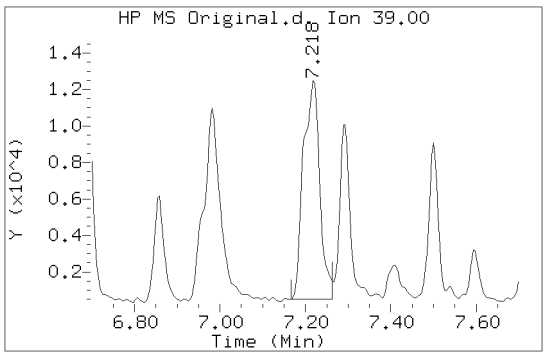
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pham



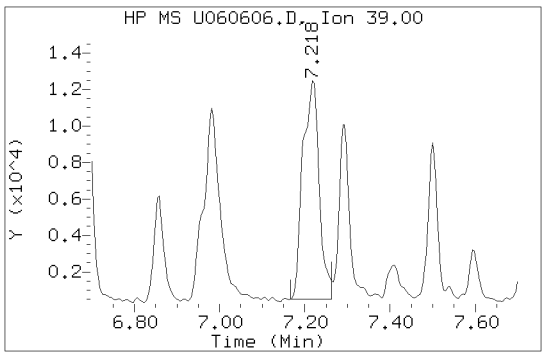
AFTER
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BEFORE
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HEIGHT
11964
08-Jun-2023
14:56
linh
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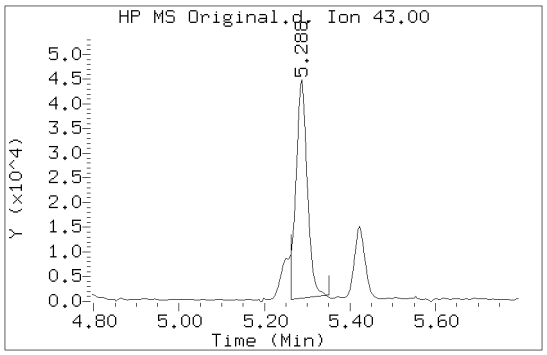
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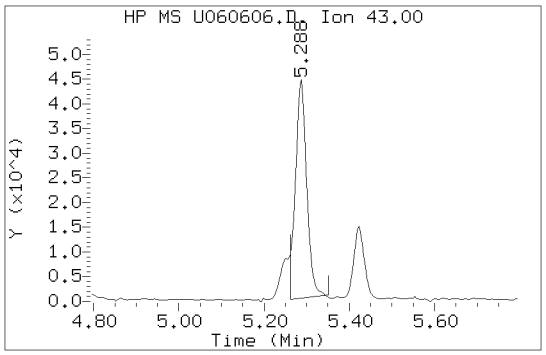
Isobutyl Alcohol (78-83-1)

Reason Code:

BEFORE
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HEIGHT
44258
08-Jun-2023
14:56
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AFTER
MASS
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HEIGHT
44258
13-Jun-2023
13:00
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pham



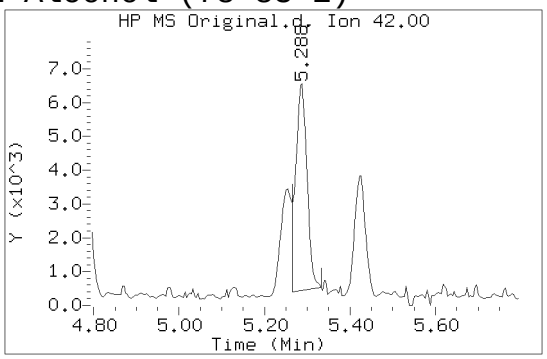
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Inj Date : 06-JUN-2023 13:06
InstruID : VOA9.i
LabSampID : VSTD005

Isobutyl Alcohol (78-83-1)

Reason Code:

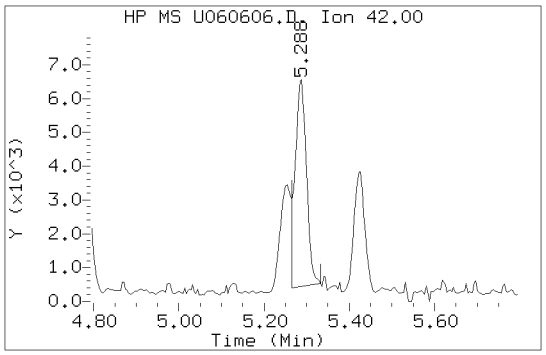
BEFORE

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08-Jun-2023
14:56
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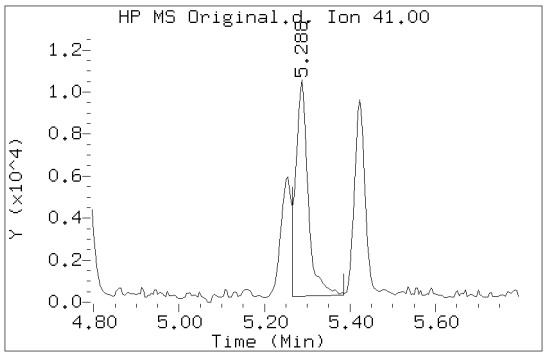
AFTER

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13-Jun-2023
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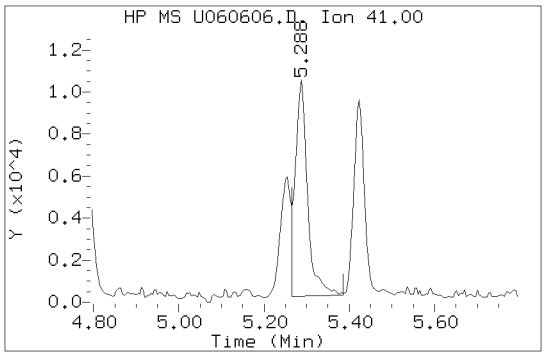
BEFORE

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08-Jun-2023
14:56
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pham



AFTER

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AREA
21244
HEIGHT
10293
13-Jun-2023
13:00
linh
pham

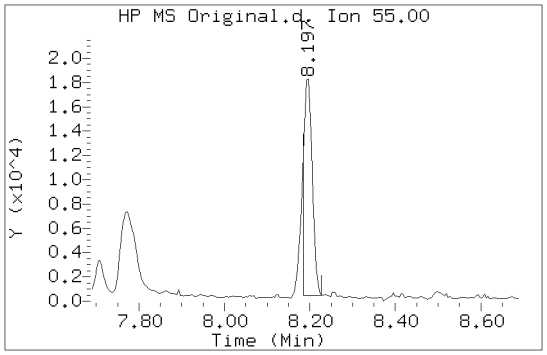


1-Chlorohexane (544-10-5)

Reason Code:

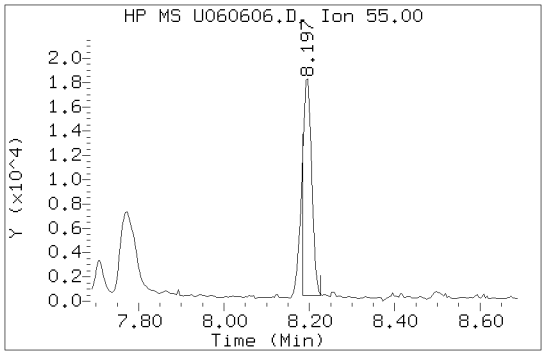
BEFORE

MASS
55
AREA
23998
HEIGHT
17834
08-Jun-2023
14:56
linh
pham



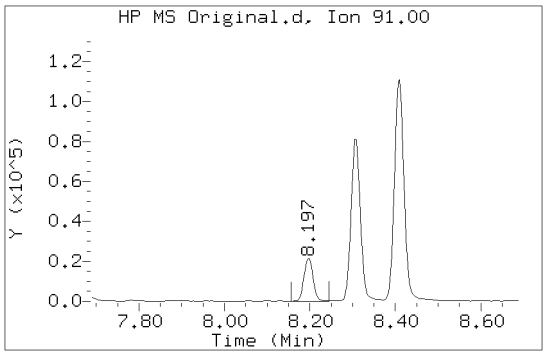
AFTER

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AREA
23998
HEIGHT
17834
13-Jun-2023
13:00
linh
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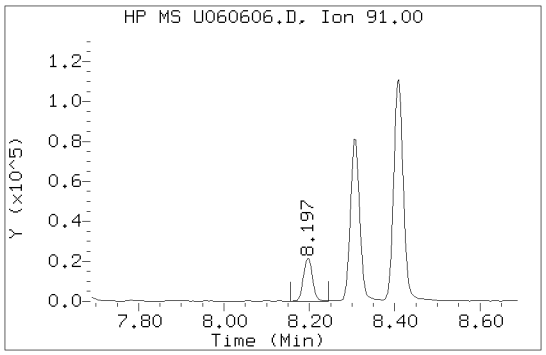
BEFORE

MASS
91
AREA
32110
HEIGHT
21527
08-Jun-2023
14:56
linh
pham



AFTER

MASS
91
AREA
32110
HEIGHT
21527
13-Jun-2023
13:00
linh
pham

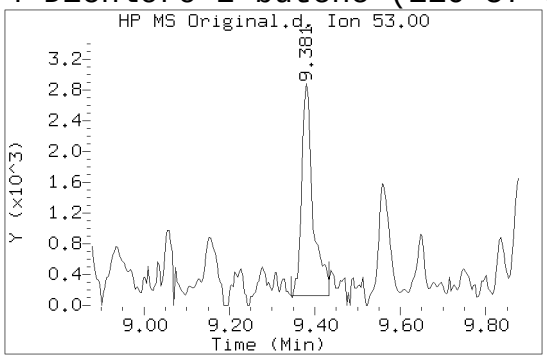


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Inj Date : 06-JUN-2023 13:06
InstruID : VOA9.i
LabSampID : VSTD005

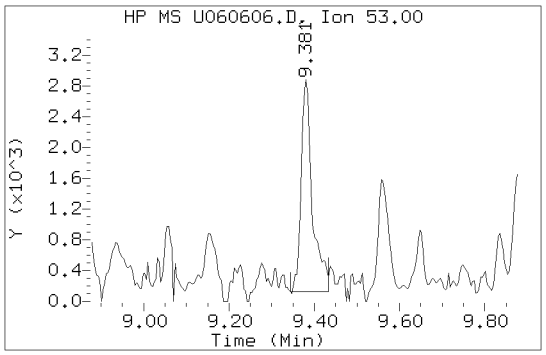
trans-1,4-Dichloro-2-butene (110-57-6)

Reason Code:

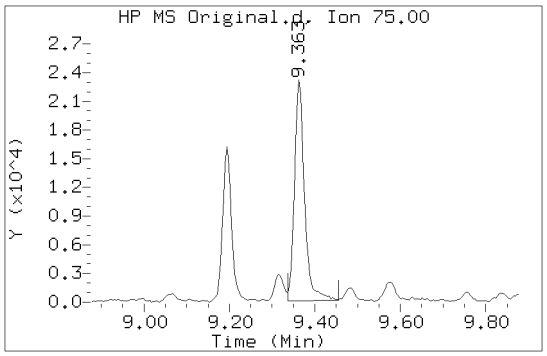
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MASS
53
AREA
5142
HEIGHT
2759
08-Jun-2023
14:56
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pham



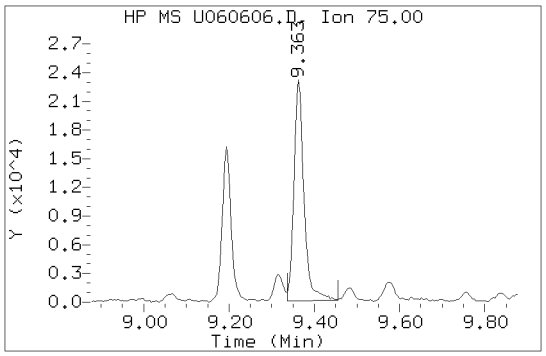
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HEIGHT
2759
13-Jun-2023
13:00
linh
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BEFORE
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AREA
38567
HEIGHT
23094
08-Jun-2023
14:56
linh
pham



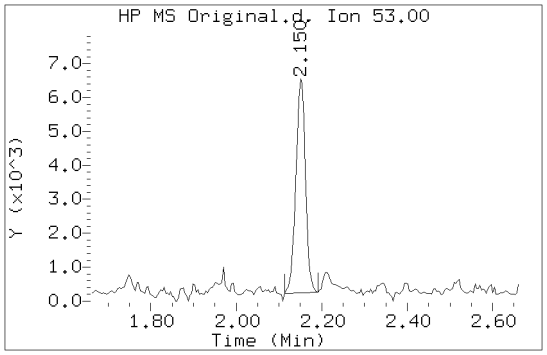
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38567
HEIGHT
23094
13-Jun-2023
13:00
linh
pham



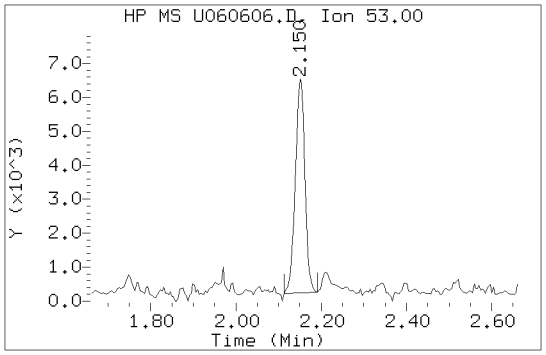
Chloroprene (126-99-8)

Reason Code:

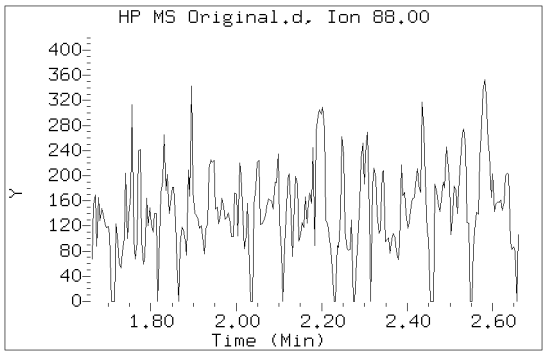
BEFORE
MASS
53
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9849
HEIGHT
6297
08-Jun-2023
14:56
linh
pham



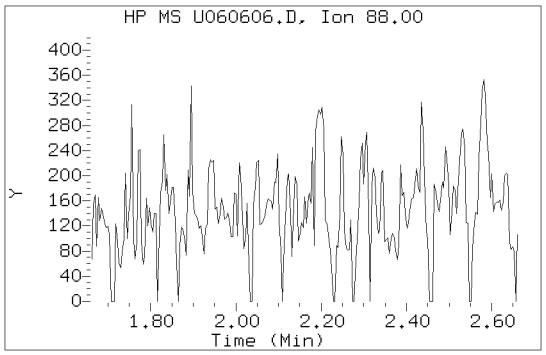
AFTER
MASS
53
AREA
9849
HEIGHT
6297
13-Jun-2023
13:00
linh
pham



BEFORE
MASS
88
AREA
0
HEIGHT
0
08-Jun-2023
14:56
linh
pham



AFTER
MASS
88
AREA
0
HEIGHT
0
13-Jun-2023
13:00
linh
pham



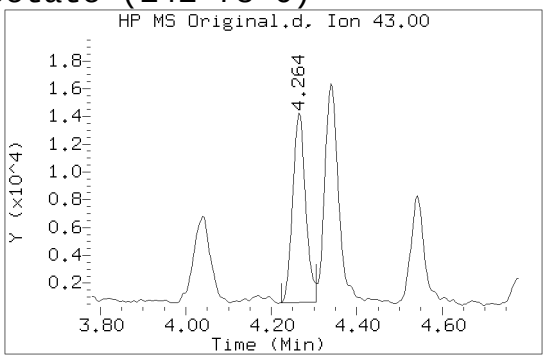
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Inj Date : 06-JUN-2023 13:06
InstruID : VOA9.i
LabSampID : VSTD005

Ethyl Acetate (141-78-6)

Reason Code:

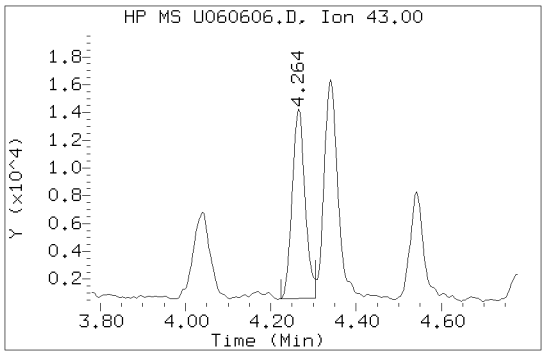
BEFORE

MASS
43
AREA
29376
HEIGHT
13625
08-Jun-2023
14:56
linh
pham



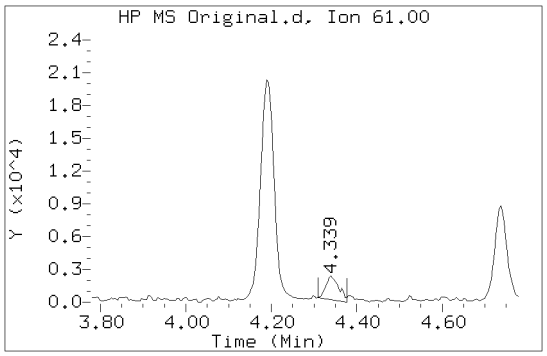
AFTER

MASS
43
AREA
29376
HEIGHT
13625
13-Jun-2023
13:00
linh
pham



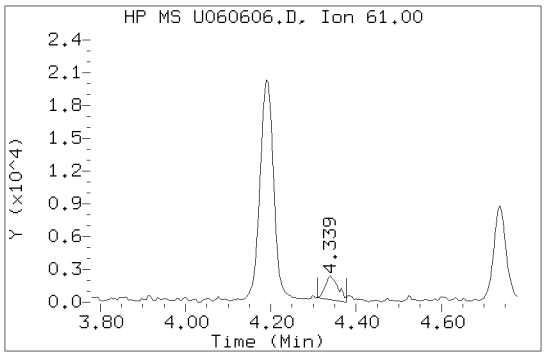
BEFORE

MASS
61
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4693
HEIGHT
2196
08-Jun-2023
14:56
linh
pham



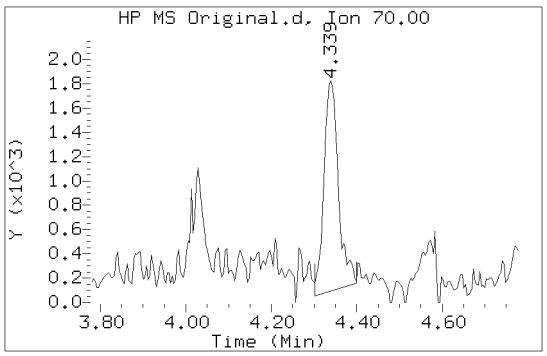
AFTER

MASS
61
AREA
4693
HEIGHT
2196
13-Jun-2023
13:00
linh
pham



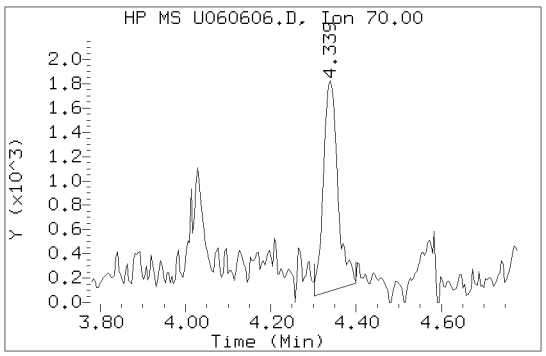
BEFORE

MASS
70
AREA
4078
HEIGHT
1731
08-Jun-2023
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linh
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AFTER

MASS
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AREA
4078
HEIGHT
1731
13-Jun-2023
13:00
linh
pham

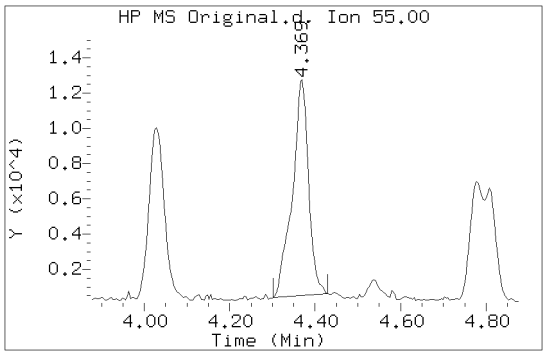


Methyl Acrylate (96-33-3)

Reason Code:

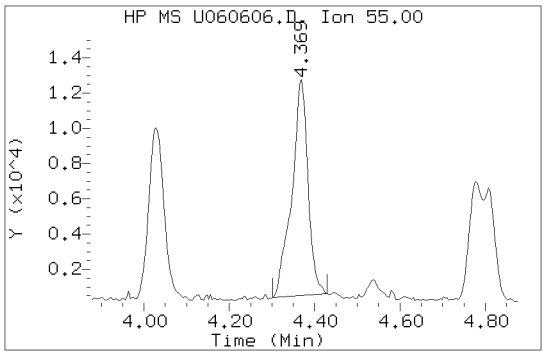
BEFORE

MASS
55
AREA
32767
HEIGHT
12241
08-Jun-2023
14:56
linh
pham



AFTER

MASS
55
AREA
32767
HEIGHT
12241
13-Jun-2023
13:00
linh
pham



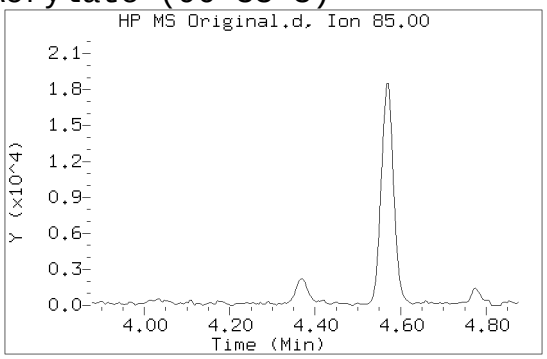
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Inj Date : 06-JUN-2023 13:06
InstruID : VOA9.i
LabSampID : VSTD005

Methyl Acrylate (96-33-3)

Reason Code:

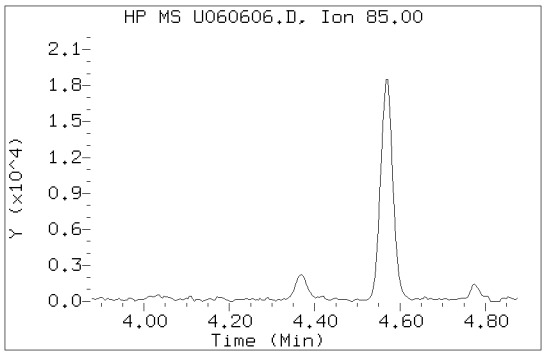
BEFORE

MASS
85
AREA
0
HEIGHT
0
08-Jun-2023
14:56
linh
pham



AFTER

MASS
85
AREA
0
HEIGHT
0
13-Jun-2023
13:00
linh
pham

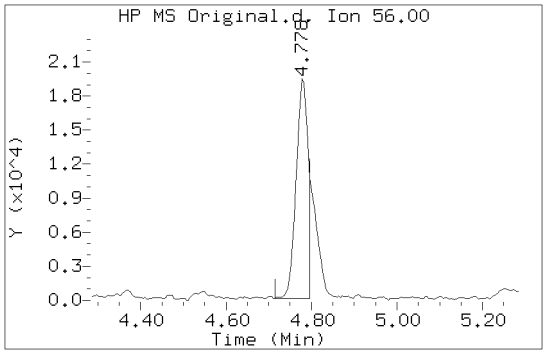


Cyclohexane (110-82-7)

Reason Code:

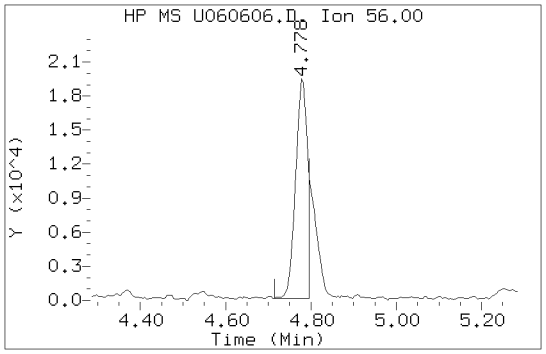
BEFORE

MASS
56
AREA
37840
HEIGHT
19339
08-Jun-2023
14:56
linh
pham



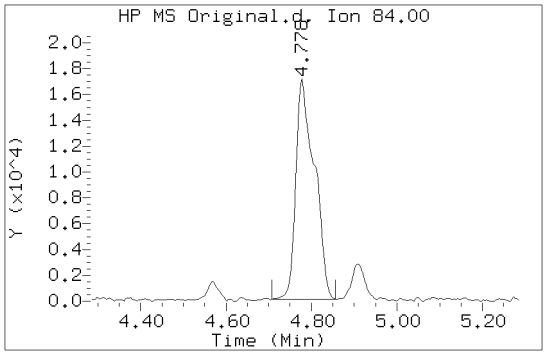
AFTER

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AREA
37840
HEIGHT
19339
13-Jun-2023
13:00
linh
pham



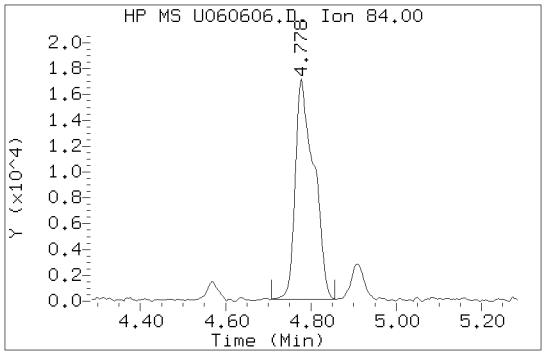
BEFORE

MASS
84
AREA
52176
HEIGHT
17059
08-Jun-2023
14:56
linh
pham



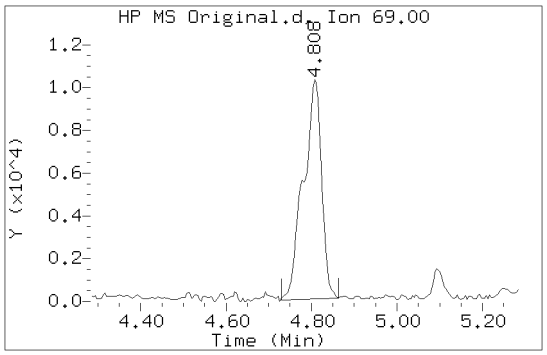
AFTER

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52176
HEIGHT
17059
13-Jun-2023
13:00
linh
pham



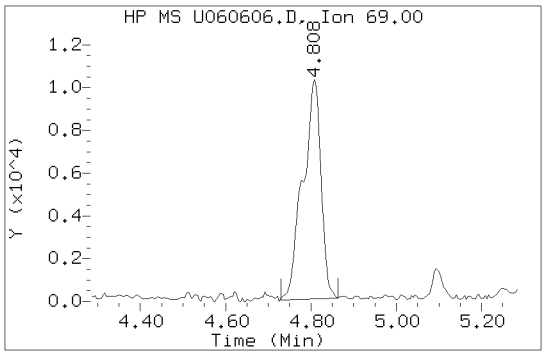
BEFORE

MASS
69
AREA
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HEIGHT
10254
08-Jun-2023
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pham



AFTER

MASS
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AREA
30602
HEIGHT
10254
13-Jun-2023
13:00
linh
pham



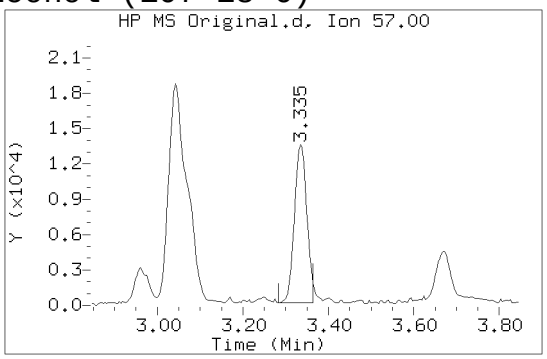
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Inj Date : 06-JUN-2023 13:06
InstruID : VOA9.i
LabSampID : VSTD005

Allyl alcohol (107-18-6)

Reason Code:

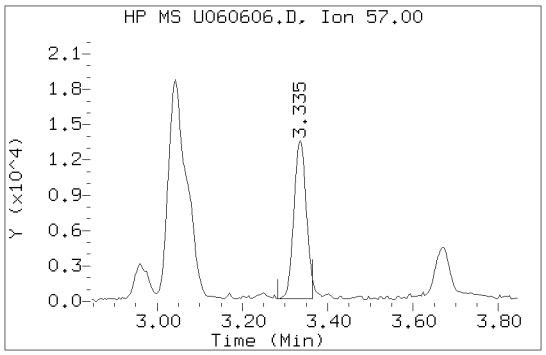
BEFORE

MASS
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AREA
27611
HEIGHT
13437
08-Jun-2023
14:56
linh
pham



AFTER

MASS
57
AREA
27611
HEIGHT
13437
13-Jun-2023
13:00
linh
pham

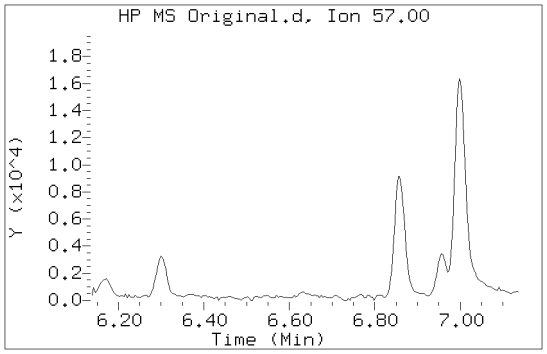


Epichlorohydrin (106-89-8)

Reason Code:

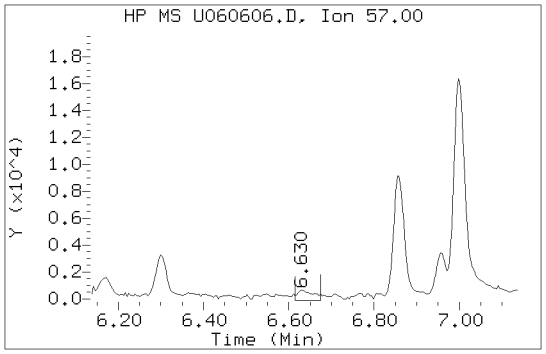
BEFORE

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HEIGHT
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08-Jun-2023
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linh
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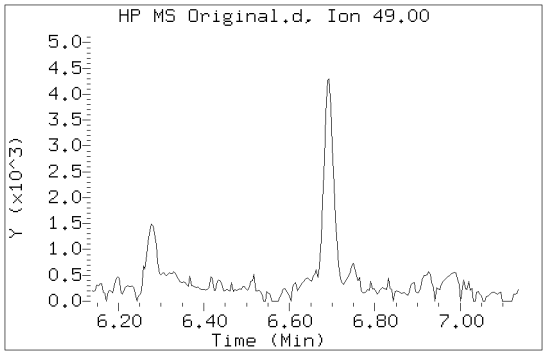
AFTER

MASS
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AREA
2028
HEIGHT
746
13-Jun-2023
13:00
linh
pham



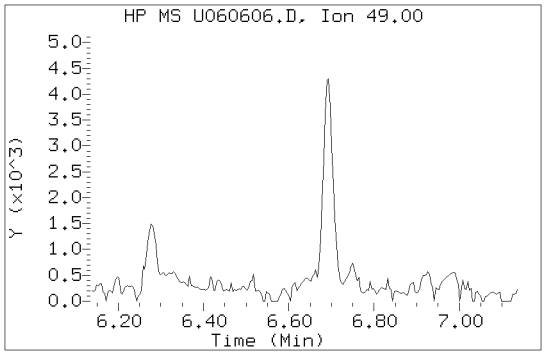
BEFORE

MASS
49
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HEIGHT
0
08-Jun-2023
14:56
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pham



AFTER

MASS
49
AREA
0
HEIGHT
0
13-Jun-2023
13:00
linh
pham

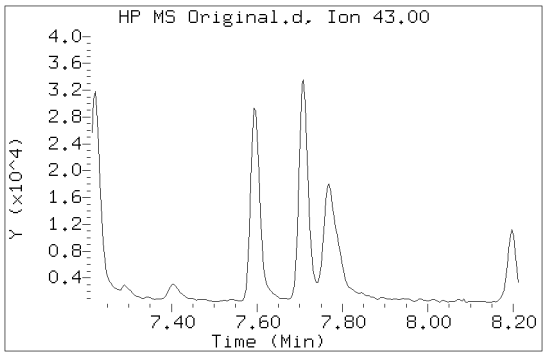


n-Butyl acetate (123-86-4)

Reason Code:

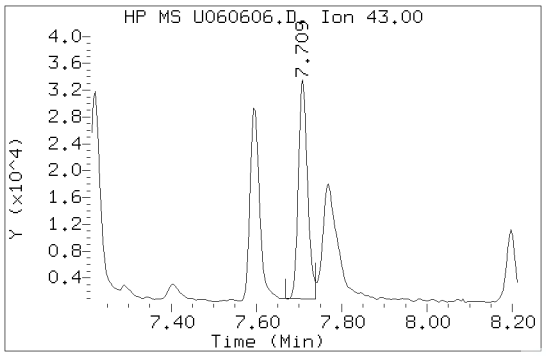
BEFORE

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08-Jun-2023
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AFTER

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HEIGHT
32605
13-Jun-2023
13:00
linh
pham



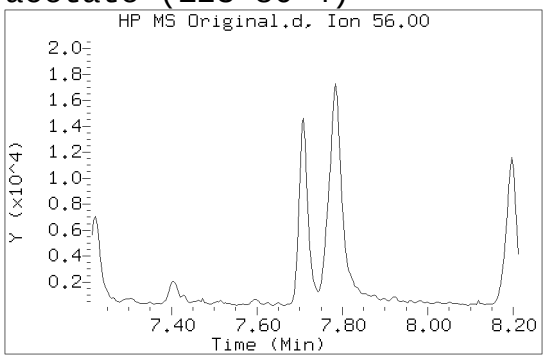
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Inj Date : 06-JUN-2023 13:06
InstruID : VOA9.i
LabSampID : VSTD005

n-Butyl acetate (123-86-4)

Reason Code:

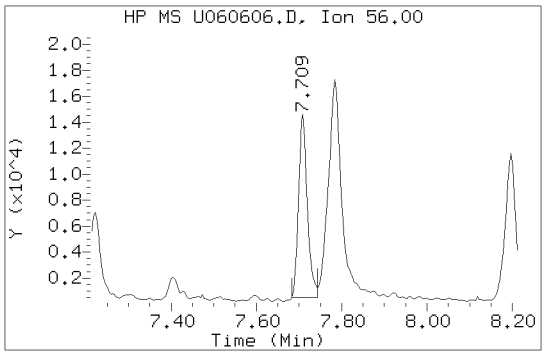
BEFORE

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AREA
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HEIGHT
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08-Jun-2023
14:56
linh
pham



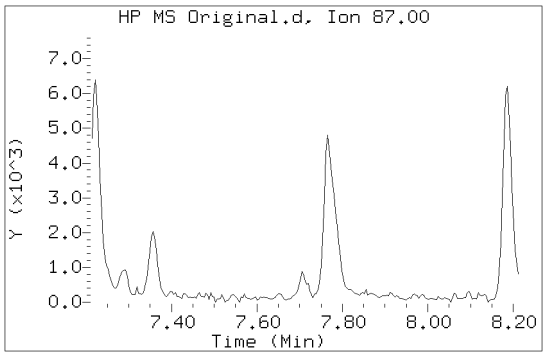
AFTER

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AREA
20725
HEIGHT
14102
13-Jun-2023
13:00
linh
pham



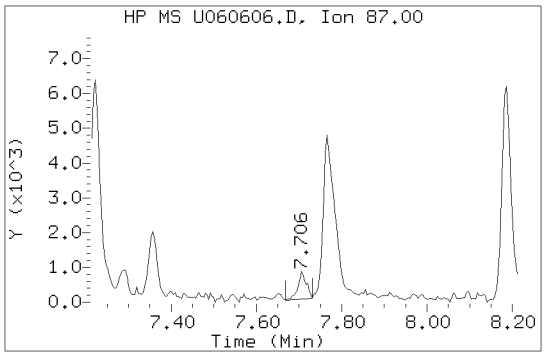
BEFORE

MASS
87
AREA
0
HEIGHT
0
08-Jun-2023
14:56
linh
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AFTER

MASS
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AREA
1088
HEIGHT
786
13-Jun-2023
13:00
linh
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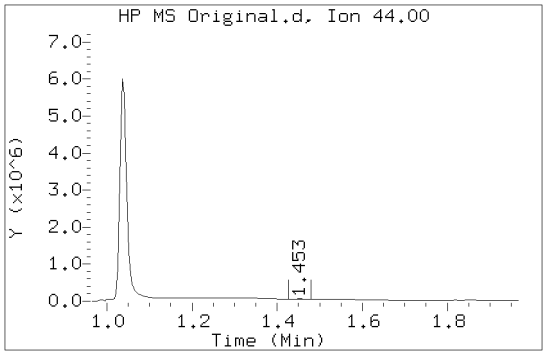


Acetaldehyde (75-07-0)

Reason Code:

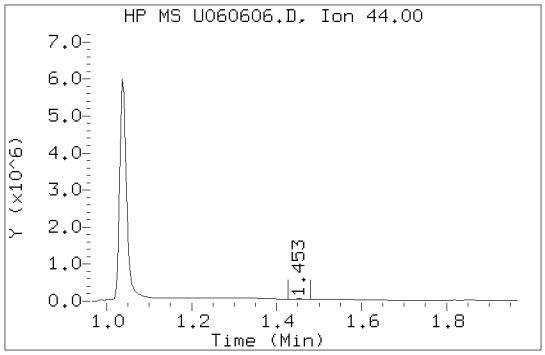
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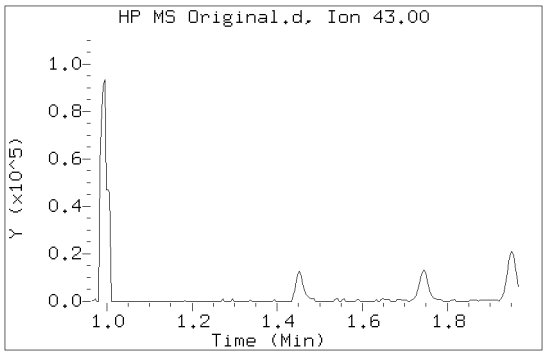
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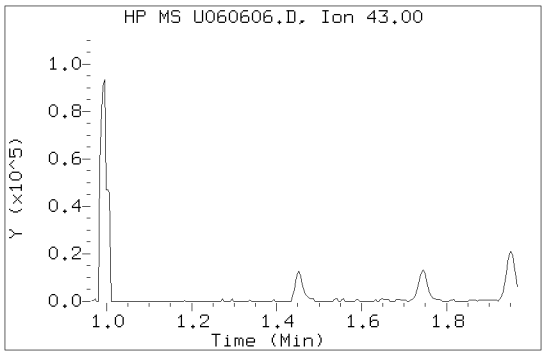
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AFTER

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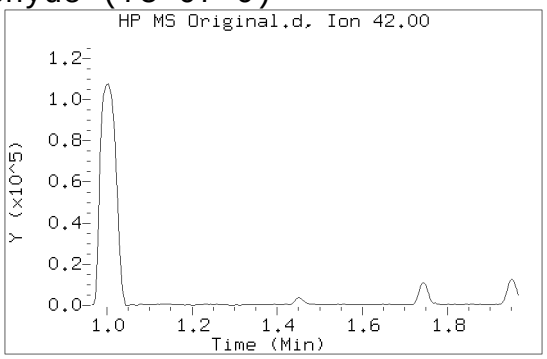
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Inj Date : 06-JUN-2023 13:06
InstruID : VOA9.i
LabSampID : VSTD005

Acetaldehyde (75-07-0)

Reason Code:

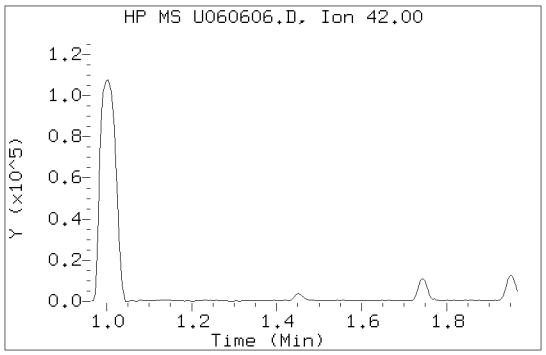
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AFTER

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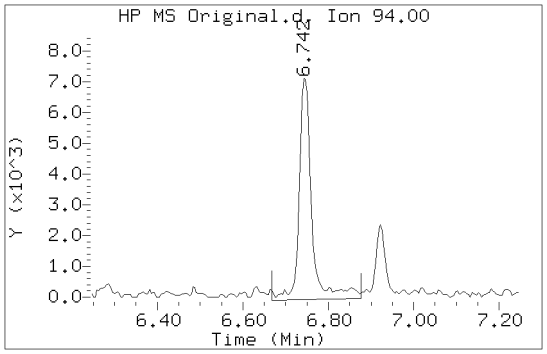


Dimethyl Disulfide (624-92-0)

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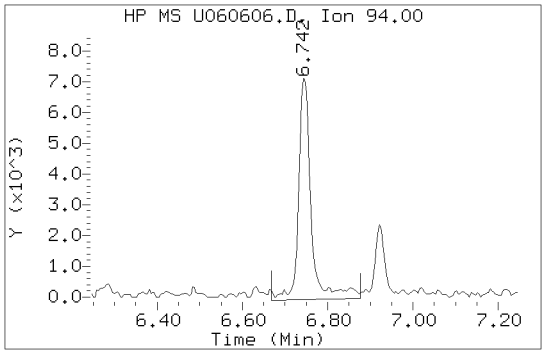
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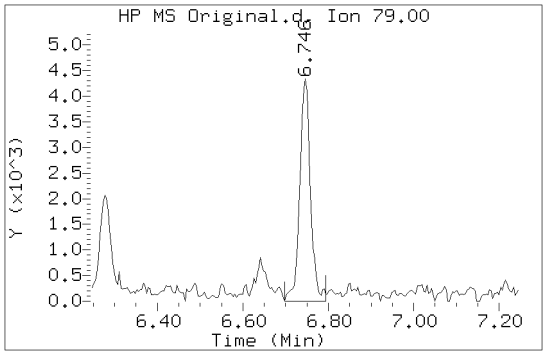
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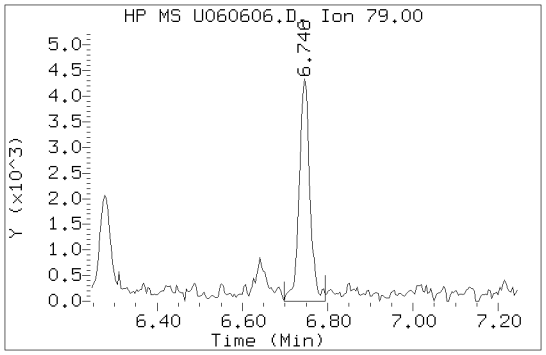
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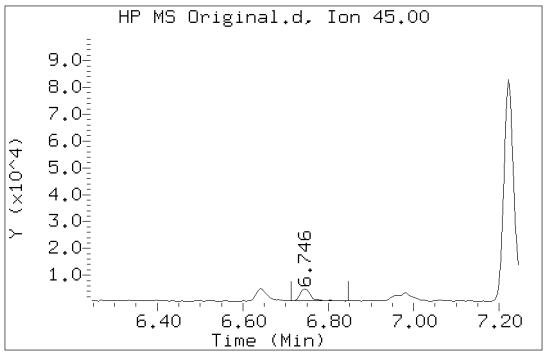
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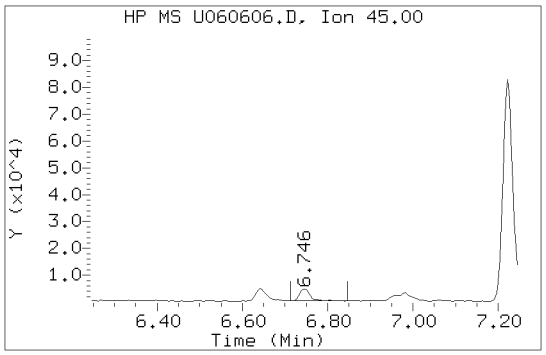
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AFTER

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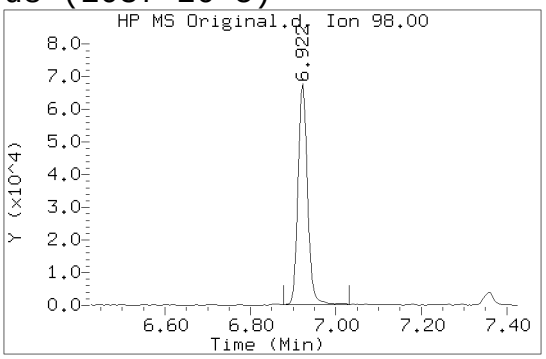


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LabSampID : VSTD005

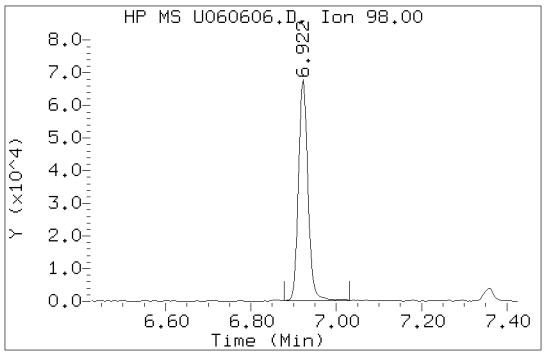
Toluene-d8 (2037-26-5)

Reason Code:

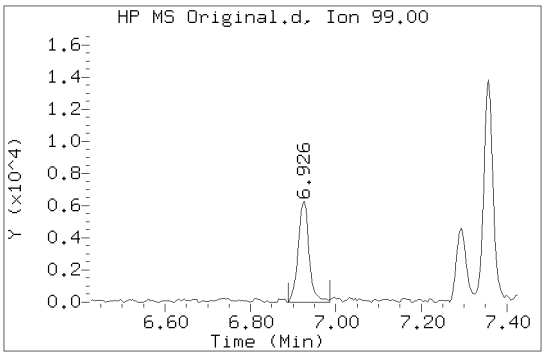
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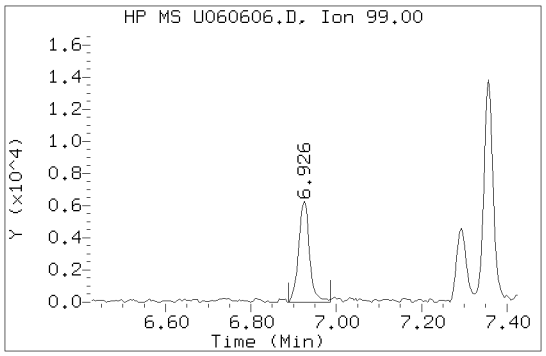
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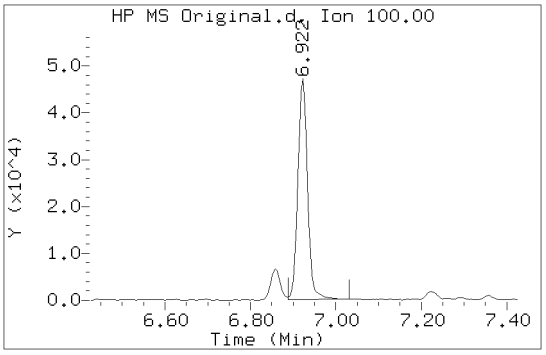
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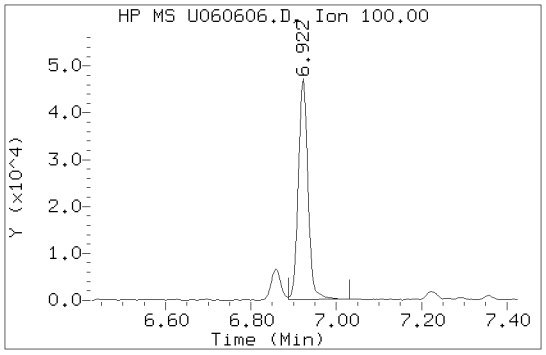
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13-Jun-2023
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BEFORE
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47179
08-Jun-2023
14:56
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AFTER
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75525
HEIGHT
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13-Jun-2023
13:00
linh
pham



Data File: \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060607.D Page 1
Report Date: 13-Jun-2023 13:01

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060607.D
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Inj Date : 06-JUN-2023 13:28
Operator : PC Inst ID: VOA9.i
Smp Info : VSTD001;VSTD001;1;3;
Misc Info : V9;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\8260C.m
Meth Date : 13-Jun-2023 13:01 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 13:06 Cal File: U060606.D
Als bottle: 8 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
*	1 Pentafluorobenzene	168	4.815	4.815	(1.000)	679602	50.0000	
	2 Dichlorodifluoromethane	85	1.160	1.160	(0.241)	5058	1.00000	0.88(a)
	5 Vinyl Chloride	62	1.374	1.374	(0.285)	5942	1.00000	0.82(a)
	7 Chloroethane	64	1.696	1.696	(0.352)	5340	1.00000	1.10(a)
	8 Trichlorofluoromethane	101	1.891	1.891	(0.393)	6909	1.00000	0.83(a)
	11 1,1-Dichloroethene	96	2.330	2.330	(0.484)	4736	1.00000	0.91(a)
	15 Iodomethane	142	2.465	2.465	(0.512)	3593	2.00000	10.69(TM)
	18 Methyl tert-butyl ether	73	3.076	3.076	(0.639)	16686	1.00000	1.05(a)
	19 Carbon Disulfide	76	2.517	2.517	(0.523)	25547	2.00000	1.85(a)
	20 trans-1,2-Dichloroethene	96	3.053	3.053	(0.634)	5007	1.00000	0.89(a)
	22 1,1-Dichloroethane	63	3.514	3.514	(0.730)	11574	1.00000	1.08(a)
	24 2-Butanone	43	4.272	4.272	(0.887)	7341	2.00000	2.36(aM)
	26 2,2-Dichloropropane	77	4.174	4.174	(0.867)	6247	1.00000	1.27(a)
	27 cis-1,2-Dichloroethene	96	4.189	4.189	(0.870)	6668	1.00000	0.99(a)
	28 Chloroform	83	4.571	4.571	(0.949)	10748	1.00000	0.96(a)
	29 Bromochloromethane	128	4.474	4.474	(0.929)	4161	1.00000	1.10(a)
$	30 Dibromofluoromethane	113	4.748	4.748	(0.986)	5853	1.00000	0.71(a)
	31 1,1,1-Trichloroethane	97	4.740	4.740	(0.984)	7815	1.00000	0.92(a)
	32 1,1-Dichloropropene	75	4.924	4.924	(0.887)	7674	1.00000	1.04(a)
	33 1,2-Dichloroethane	62	5.179	5.179	(0.933)	8428	1.00000	0.97(a)

	34 Carbon Tetrachloride	117	4.905	4.905 (0.883)	5676	1.00000	0.84(a)
$	35 1,2-Dichloroethane-d4	65	5.096	5.096 (1.058)	6027	1.00000	0.30(a)

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060607.D Page 2
Report Date: 13-Jun-2023 13:01

			QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
*	36	1,4-Difluorobenzene	114	5.554	5.554	(1.000)	1002093	50.0000	
	37	Benzene	78	5.137	5.137	(0.925)	21926	1.00000	0.90(a)
	38	Trichloroethene	130	5.790	5.790	(1.043)	7055	1.00000	1.00(a)
	39	Bromodichloromethane	83	6.277	6.277	(1.130)	6686	1.00000	0.88(a)
	42	1,2-Dichloropropane	63	6.011	6.011	(1.082)	6571	1.00000	1.01(a)
	44	Dibromomethane	93	6.120	6.120	(1.102)	4245	1.00000	1.03(a)
	45	4-Methyl-2-Pentanone	43	6.858	6.858	(0.838)	12749	2.00000	1.87(a)
	46	cis-1,3-Dichloropropene	75	6.697	6.697	(1.206)	6985	1.00000	2.57(a)
*	47	Chlorobenzene-d5	117	8.185	8.185	(1.000)	934282	50.0000	
$	48	Toluene-d8	98	6.922	6.922	(0.846)	18686	1.00000	0.88(a)
	50	Toluene	91	6.982	6.982	(0.853)	24364	1.00000	0.96(a)
	51	trans-1,3-Dichloropropene	75	7.199	7.199	(1.296)	5962	1.00000	2.69(aM)
	52	2-Hexanone	43	7.597	7.597	(0.928)	10155	2.00000	2.14(a)
	53	1,1,2-Trichloroethane	83	7.357	7.357	(0.899)	6320	1.00000	1.19(a)
	54	1,3-Dichloropropane	76	7.499	7.499	(0.916)	10678	1.00000	0.99(a)
	55	Dibromochloromethane	129	7.694	7.694	(0.940)	4999	1.00000	0.79(a)
	56	Tetrachloroethene	164	7.458	7.458	(0.911)	6715	1.00000	1.08(a)
	57	1,2-Dibromoethane	107	7.784	7.784	(0.951)	6817	1.00000	1.04(a)
	58	1-Chlorohexane	55	8.196	8.196	(1.476)	4887	1.00000	0.94(aM)
	59	Chlorobenzene	112	8.211	8.211	(1.003)	19148	1.00000	1.05(a)
	60	1,1,1,2-Tetrachloroethane	131	8.286	8.286	(1.012)	5664	1.00000	0.91(a)
	61	Ethylbenzene	106	8.305	8.305	(1.015)	7997	1.00000	0.95(a)
	62	m,p-Xylenes	106	8.406	8.406	(1.027)	17600	2.00000	1.76(a)
	63	o-Xylene	106	8.747	8.747	(1.069)	8615	1.00000	0.87(a)
	64	Styrene	104	8.762	8.762	(1.071)	12462	1.00000	0.79(a)
	66	Bromoform	173	8.924	8.924	(1.090)	3596	1.00000	0.85(Ta)
	67	Isopropylbenzene	105	9.062	9.062	(1.107)	21174	1.00000	0.89(a)
	68	1,1,2,2-Tetrachloroethane	83	9.329	9.329	(0.917)	9671	1.00000	1.08(a)
$	69	4-Bromofluorobenzene	95	9.197	9.197	(1.124)	8608	1.00000	0.14(a)
*	70	1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	472015	50.0000	
	71	1,2,3-Trichloropropane	75	9.362	9.362	(0.920)	7255	1.00000	0.92(a)
	73	n-Propylbenzene	91	9.415	9.415	(0.926)	21667	1.00000	0.87(a)
	74	Bromobenzene	156	9.321	9.321	(0.916)	8241	1.00000	1.03(a)
	75	1,3,5-Trimethylbenzene	105	9.565	9.565	(0.940)	16352	1.00000	0.96(a)
	76	2-Chlorotoluene	91	9.482	9.482	(0.932)	17404	1.00000	0.99(a)
	77	4-Chlorotoluene	91	9.580	9.580	(0.942)	18186	1.00000	0.94(a)
	78	tert-Butylbenzene	119	9.838	9.838	(0.967)	15445	1.00000	0.92(a)
	79	1,2,4-Trimethylbenzene	105	9.880	9.880	(0.971)	18732	1.00000	1.05(a)
	81	sec-Butylbenzene	105	10.022	10.022	(0.985)	19975	1.00000	0.94(a)
	82	p-Isopropyltoluene	119	10.146	10.146	(0.997)	16778	1.00000	0.94(a)
	83	1,3-Dichlorobenzene	146	10.116	10.116	(0.994)	13868	1.00000	1.02(a)
	84	1,4-Dichlorobenzene	146	10.191	10.191	(1.002)	16169	1.00000	1.12(a)
	88	1,2-Dichlorobenzene	146	10.506	10.506	(1.033)	14921	1.00000	1.10(a)
	89	1,2-Dibromo-3-Chloropropane	155	11.165	11.165	(1.098)	1239	1.00000	0.95(aM)
	90	1,2,4-Trichlorobenzene	180	11.859	11.859	(1.166)	9686	1.00000	1.03(a)
	93	1,2,3-Trichlorobenzene	180	12.271	12.271	(1.206)	9603	1.00000	1.05(a)
M	94	1,2-Dichloroethylene (total)	96				11675	2.00000	(a)
	141	Cyclohexane	56	4.796	4.796	(0.996)	7781	1.00000	1.14(aM)
	138	Freon TF	101	2.330	2.330	(0.484)	3752	1.00000	0.82(a)
	140	1,3-Butadiene	54	1.400	1.400	(0.291)	5632	1.00000	0.87(a)
	146	Methyl Acetate	43	2.712	2.712	(0.563)	6421	1.00000	1.12(aM)
	148	Tert-Butyl alcohol	59	2.967	2.967	(0.616)	16016	20.0000	20.67(aM)

72	trans-1,4-Dichloro-2-butene	53	9.381	9.381 (1.146)	1083	1.00000	1.00
12	Isobutyl Alcohol	43	5.291	5.291 (1.099)	18069	20.0000	20.46(M)

						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/l)	(ug/l)
13 Acetonitrile	39	2.667	2.667	(0.554)	7477	10.0000	10.16
40 Methyl Methacrylate	41	6.161	6.161	(1.279)	5203	1.00000	0.89(a)
4 Propionitrile	54	4.343	4.343	(0.902)	10588	10.0000	10.78(aM)
136 n-Hexane	57	3.338	3.338	(0.693)	4787	1.00000	0.97(a)
131 Methyl Acrylate	55	4.365	4.365	(0.907)	7188	1.00000	1.00(aM)
200 Dimethyl Disulfide	94	6.742	6.742	(0.824)	2841	1.00000	4.92(aM)
166 1,2,3-Trimethylbenzene	105	10.236	10.236	(1.006)	20474	1.00000	1.12(a)
164 Dicyclopentadiene	66	10.202	10.202	(1.003)	29317	1.00000	1.27(a)
145 alpha-Methylstyrene	118	9.756	9.756	(0.959)	6428	1.00000	4.20(a)
156 Diisopropyl ether	45	3.623	3.623	(0.752)	18372	1.00000	0.96(Ta)
151 4-Methyl-2-pentanol	45	7.222	7.222	(1.300)	29449	20.0000	19.76
150 Allyl alcohol	57	3.338	3.338	(0.693)	4787	20.0000	20.21
86 Benzyl Chloride	91	10.311	10.311	(1.260)	5481	1.00000	4.38(a)
162 Butyl acrylate	55	8.736	8.736	(1.067)	10827	1.00000	0.97(a)
139 Diethyl ether	59	2.142	2.142	(0.445)	3957	1.00000	0.86(a)
203 2-Ethylhexyl Acrylate	55	12.043	12.043	(1.184)	4963	1.00000	2.84(aM)
134 Cyclohexanone	55	9.156	9.156	(0.900)	6822	20.0000	23.31(a)
130 Ethyl Acetate	43	4.272	4.272	(0.887)	6476	1.00000	1.06(aMH)
189 n-Butyl acetate	43	7.713	7.713	(0.942)	10025	1.00000	0.94(aM)
182 Epichlorohydrin	57	6.656	6.656	(1.198)	230	4.00000	12.04(M)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

01225057

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060607.D

Page 1

Date : 06-JUN-2023 13:28

Client ID: VSTD001

Instrument: VOA9.i

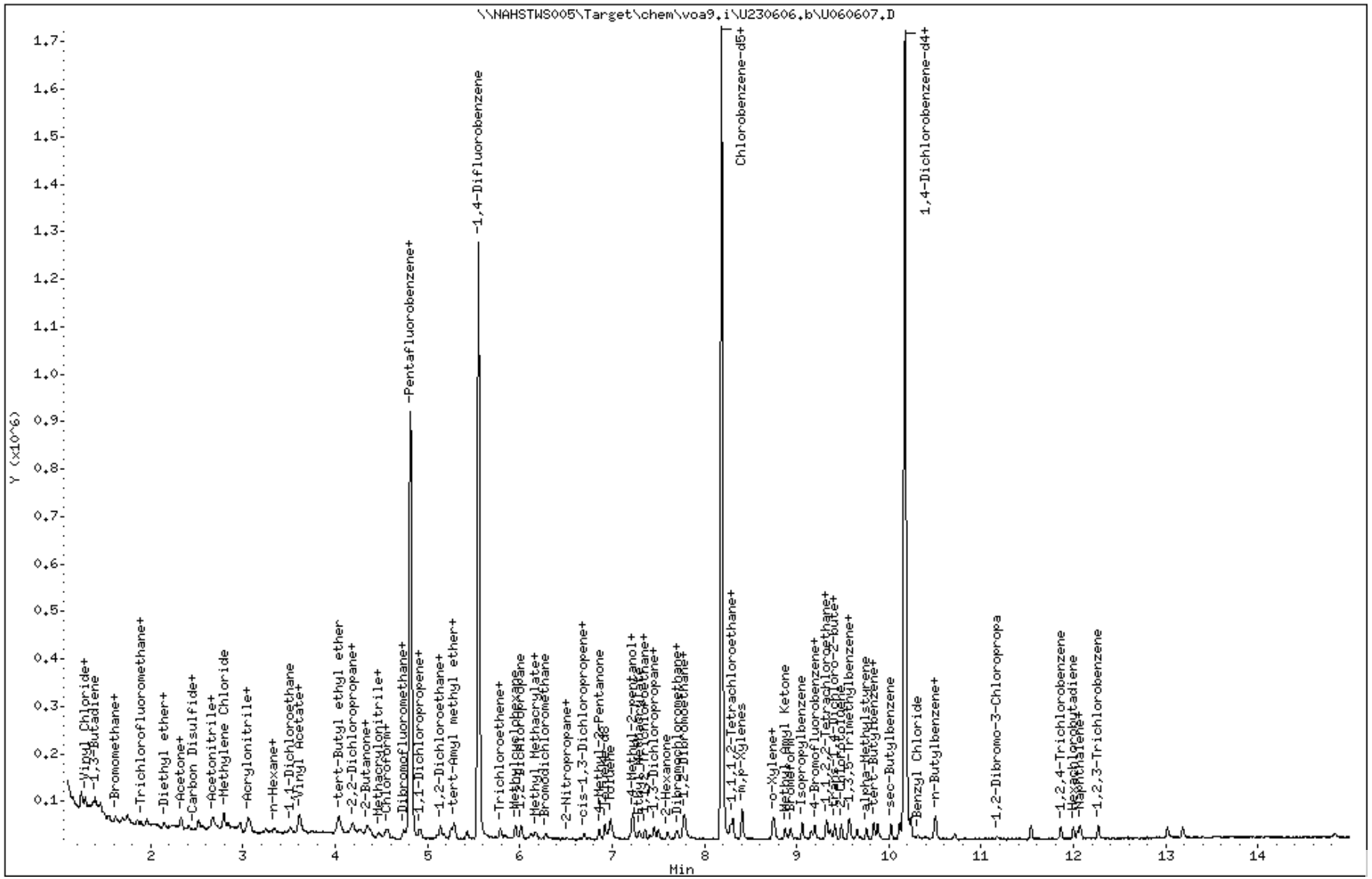
Sample Info: VSTD001;VSTD001;1;3;

Purge Volume: 5.0

Operator: PC

Column phase: DB624

Column diameter: 0.18



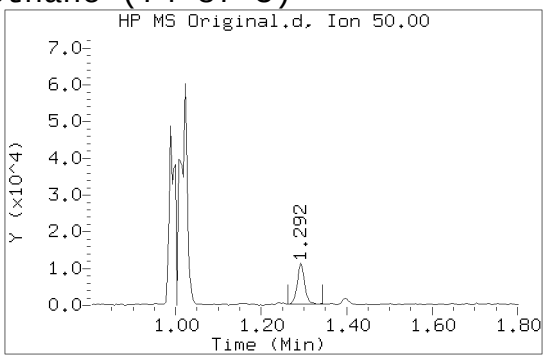
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Inj Date : 06-JUN-2023 13:28
InstruID : VOA9.i
LabSampID : VSTD001

Chloromethane (74-87-3)

Reason Code:

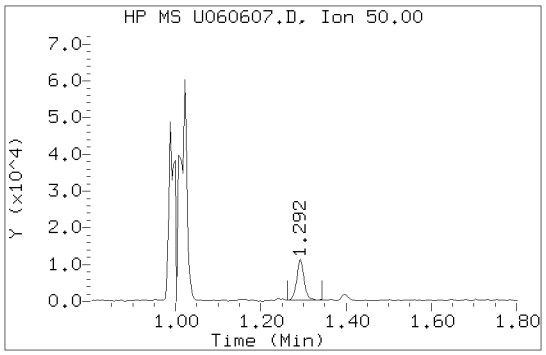
BEFORE

MASS
50
AREA
13219
HEIGHT
11073
08-Jun-2023
14:56
linh
pham



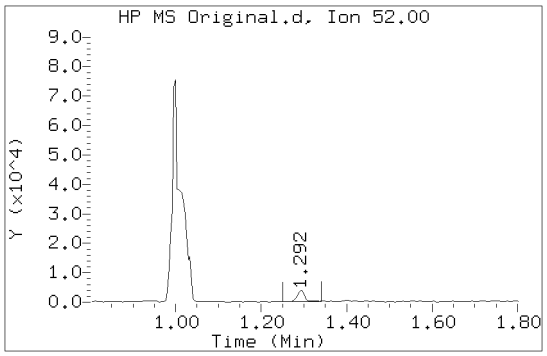
AFTER

MASS
50
AREA
13219
HEIGHT
11073
13-Jun-2023
13:00
linh
pham



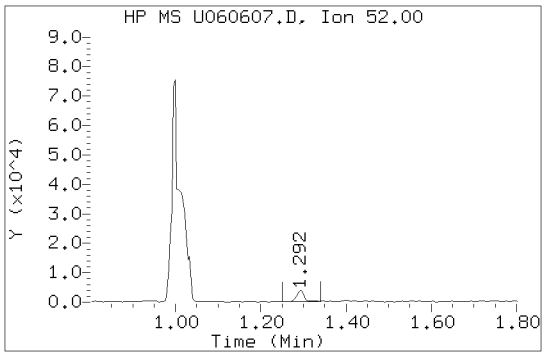
BEFORE

MASS
52
AREA
5081
HEIGHT
3855
08-Jun-2023
14:56
linh
pham



AFTER

MASS
52
AREA
5081
HEIGHT
3855
13-Jun-2023
13:00
linh
pham

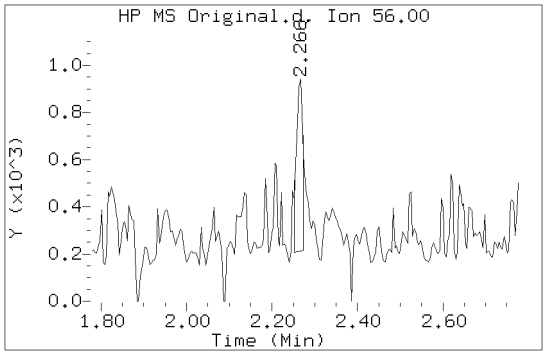


Acrolein (107-02-8)

Reason Code:

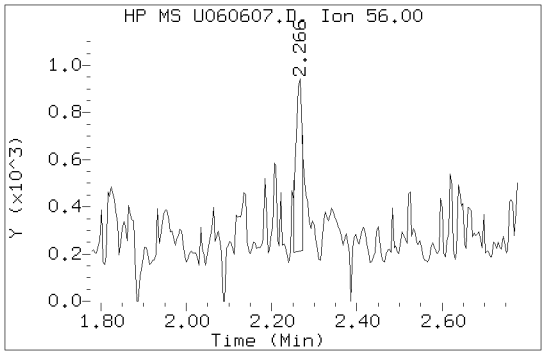
BEFORE

MASS
56
AREA
802
HEIGHT
729
08-Jun-2023
14:56
linh
pham



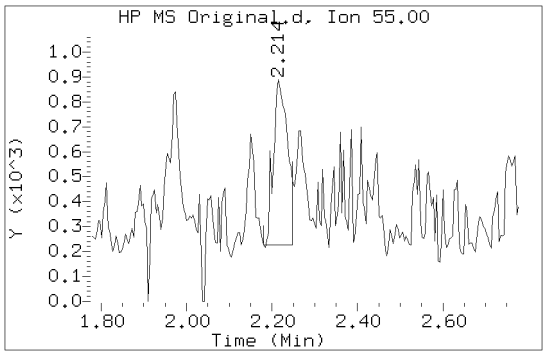
AFTER

MASS
56
AREA
802
HEIGHT
729
13-Jun-2023
13:00
linh
pham



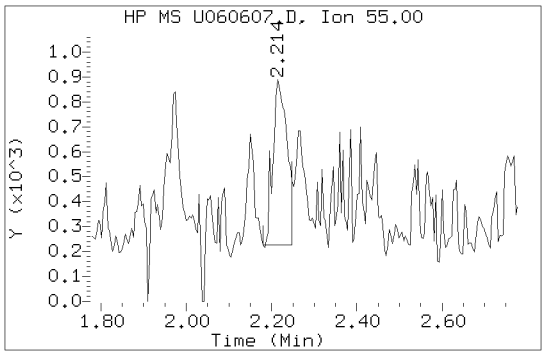
BEFORE

MASS
55
AREA
1527
HEIGHT
664
08-Jun-2023
14:56
linh
pham



AFTER

MASS
55
AREA
1527
HEIGHT
664
13-Jun-2023
13:00
linh
pham

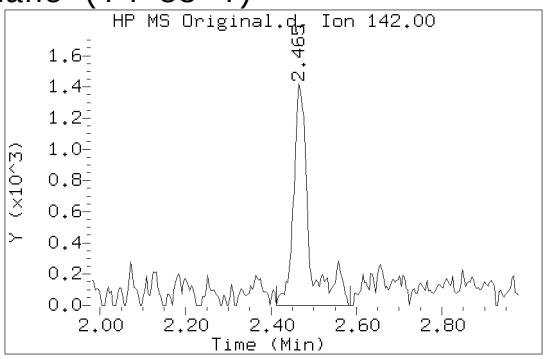


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Inj Date : 06-JUN-2023 13:28
InstruID : VOA9.i
LabSampID : VSTD001

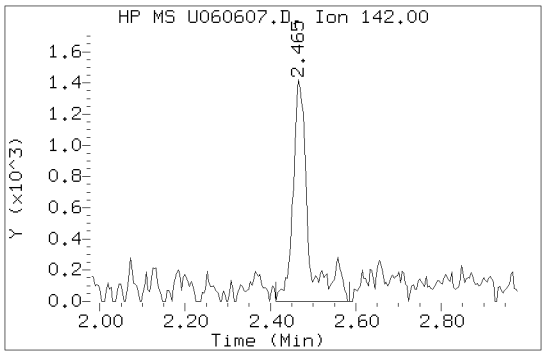
Iodomethane (74-88-4)

Reason Code:

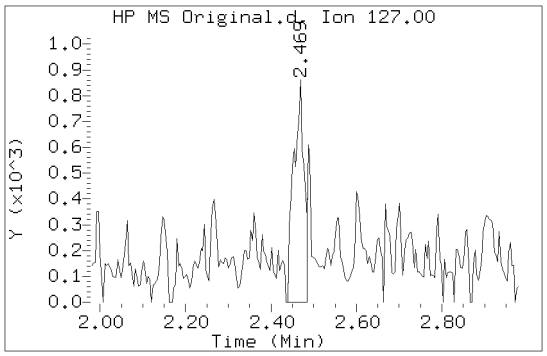
BEFORE
MASS
142
AREA
3593
HEIGHT
1421
08-Jun-2023
14:56
linh
pham



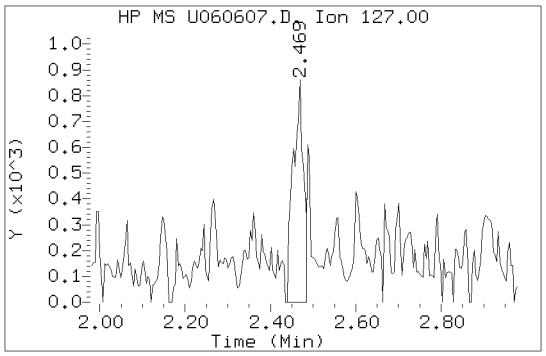
AFTER
MASS
142
AREA
3593
HEIGHT
1421
13-Jun-2023
13:00
linh
pham



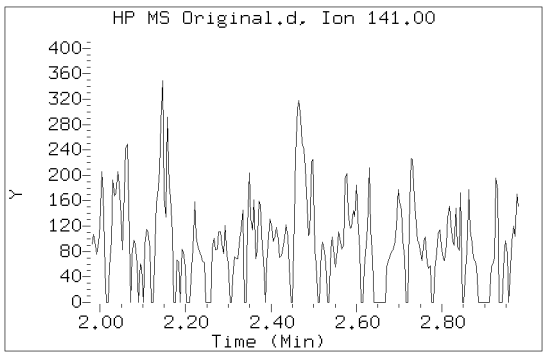
BEFORE
MASS
127
AREA
1453
HEIGHT
861
08-Jun-2023
14:56
linh
pham



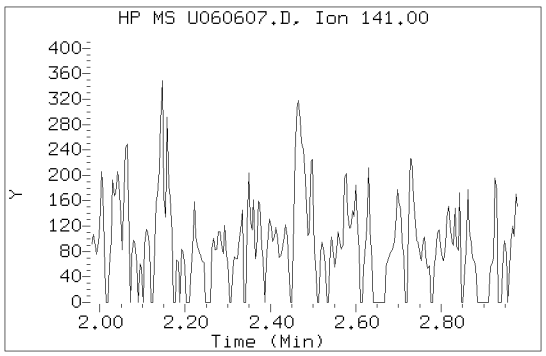
AFTER
MASS
127
AREA
1453
HEIGHT
861
13-Jun-2023
13:00
linh
pham



BEFORE
MASS
141
AREA
0
HEIGHT
0
08-Jun-2023
14:56
linh
pham



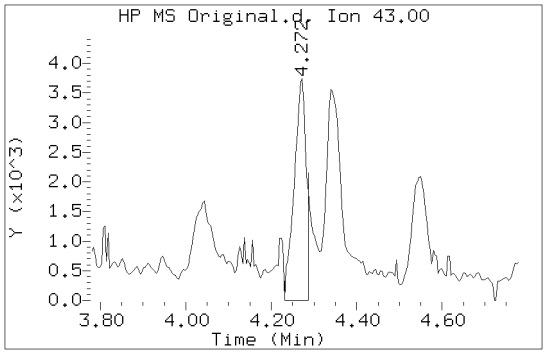
AFTER
MASS
141
AREA
0
HEIGHT
0
13-Jun-2023
13:00
linh
pham



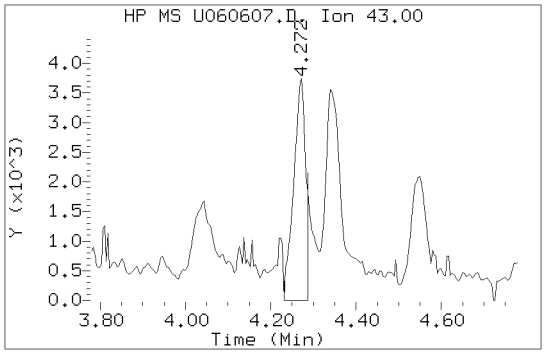
2-Butanone (78-93-3)

Reason Code:

BEFORE
MASS
43
AREA
7341
HEIGHT
3739
08-Jun-2023
14:56
linh
pham



AFTER
MASS
43
AREA
7341
HEIGHT
3739
13-Jun-2023
13:00
linh
pham



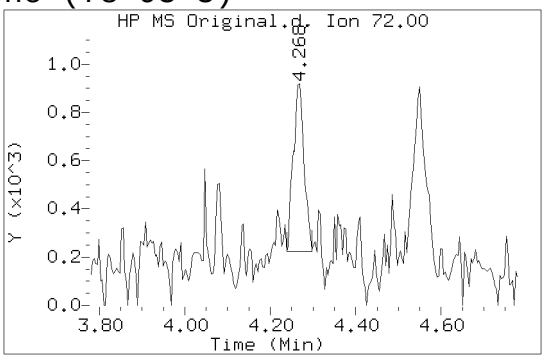
Data File : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060607.D
Inj Date : 06-JUN-2023 13:28
InstruID : VOA9.i
LabSampID : VSTD001

2-Butanone (78-93-3)

Reason Code:

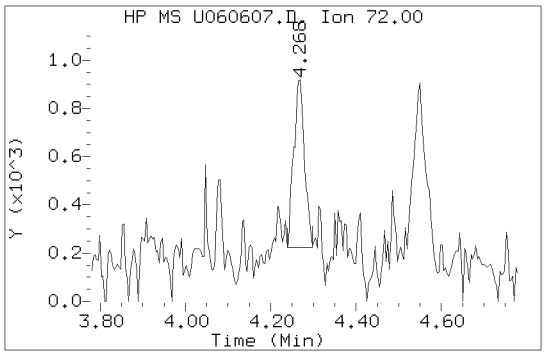
BEFORE

MASS
72
AREA
1240
HEIGHT
697
08-Jun-2023
14:56
linh
pham



AFTER

MASS
72
AREA
1240
HEIGHT
697
13-Jun-2023
13:00
linh
pham

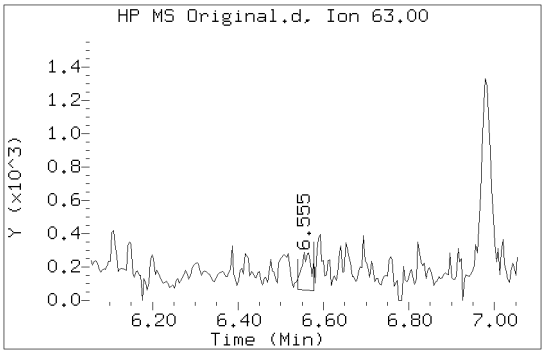


2-Chloroethylvinyl ether (110-75-8)

Reason Code:

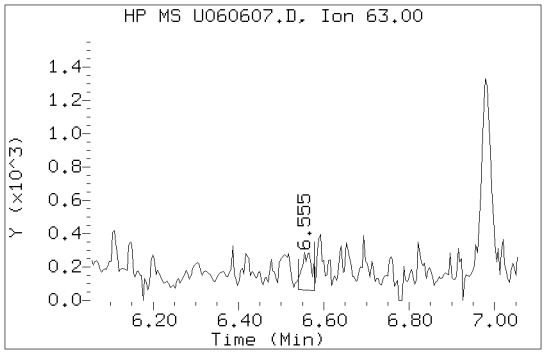
BEFORE

MASS
63
AREA
379
HEIGHT
225
08-Jun-2023
14:56
linh
pham



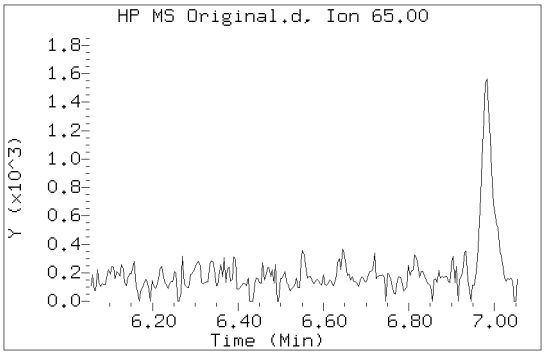
AFTER

MASS
63
AREA
379
HEIGHT
225
13-Jun-2023
13:00
linh
pham



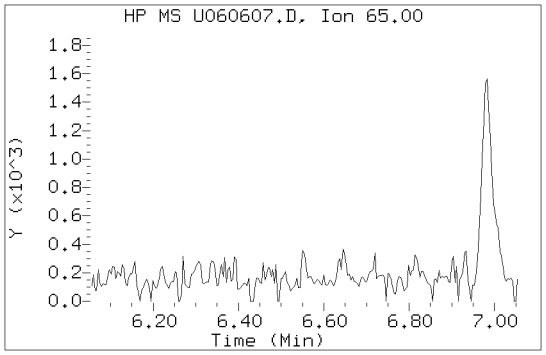
BEFORE

MASS
65
AREA
0
HEIGHT
0
08-Jun-2023
14:56
linh
pham



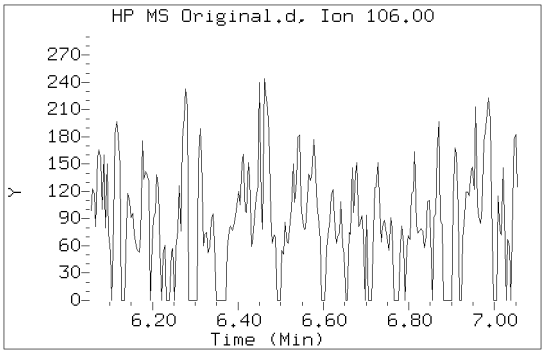
AFTER

MASS
65
AREA
0
HEIGHT
0
13-Jun-2023
13:00
linh
pham



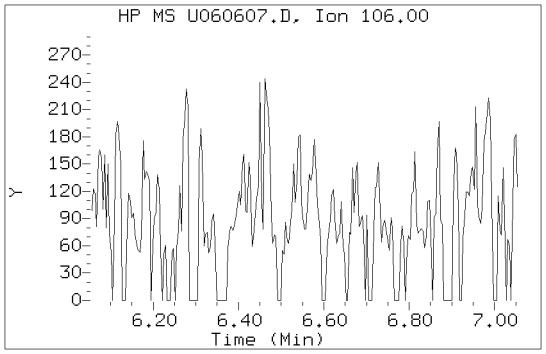
BEFORE

MASS
106
AREA
0
HEIGHT
0
08-Jun-2023
14:56
linh
pham



AFTER

MASS
106
AREA
0
HEIGHT
0
13-Jun-2023
13:00
linh
pham

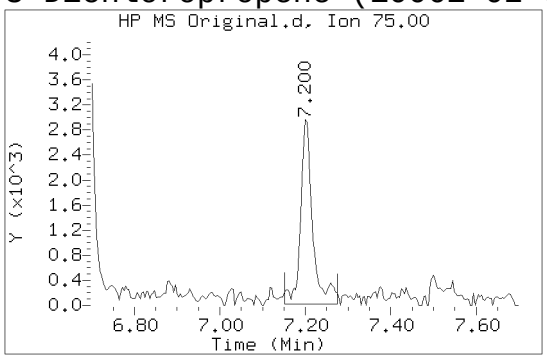


Data File : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060607.D
Inj Date : 06-JUN-2023 13:28
InstruID : VOA9.i
LabSampID : VSTD001

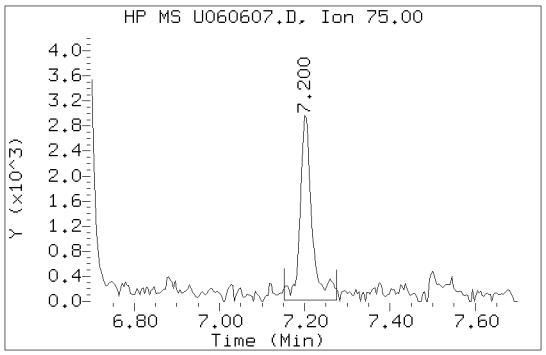
trans-1,3-Dichloropropene (10061-02-6)

Reason Code:

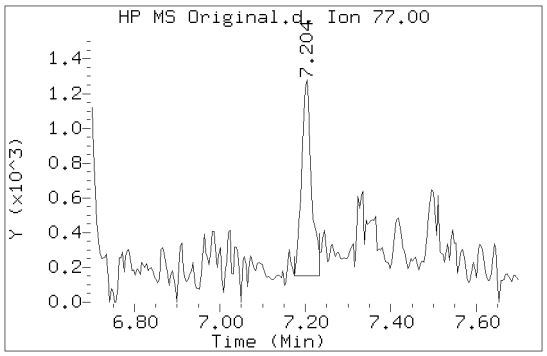
BEFORE
MASS
75
AREA
5962
HEIGHT
2945
08-Jun-2023
14:56
linh
pham



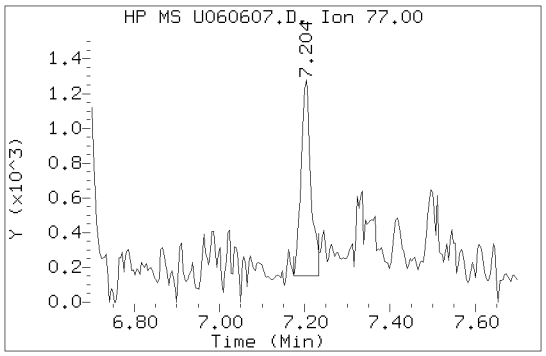
AFTER
MASS
75
AREA
5962
HEIGHT
2945
13-Jun-2023
13:00
linh
pham



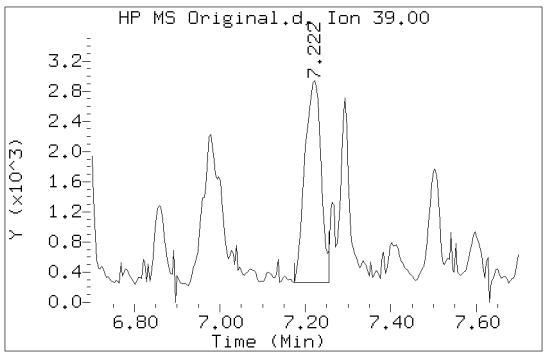
BEFORE
MASS
77
AREA
1844
HEIGHT
1128
08-Jun-2023
14:56
linh
pham



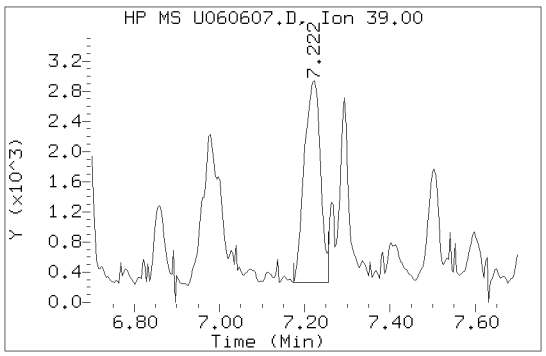
AFTER
MASS
77
AREA
1844
HEIGHT
1128
13-Jun-2023
13:00
linh
pham



BEFORE
MASS
39
AREA
7143
HEIGHT
2676
08-Jun-2023
14:56
linh
pham



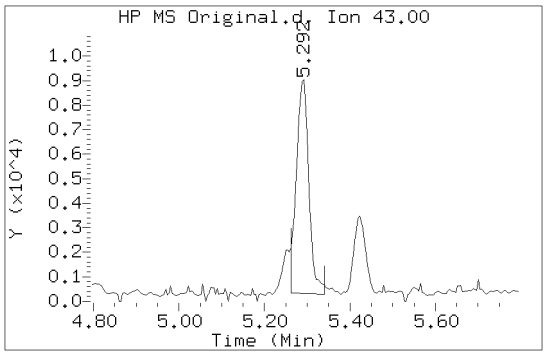
AFTER
MASS
39
AREA
7143
HEIGHT
2676
13-Jun-2023
13:00
linh
pham



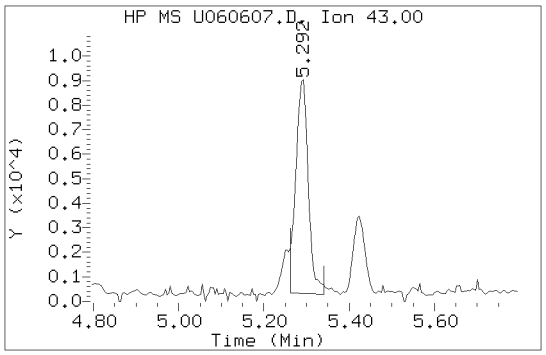
Isobutyl Alcohol (78-83-1)

Reason Code:

BEFORE
MASS
43
AREA
18069
HEIGHT
8714
08-Jun-2023
14:56
linh
pham



AFTER
MASS
43
AREA
18069
HEIGHT
8714
13-Jun-2023
13:00
linh
pham



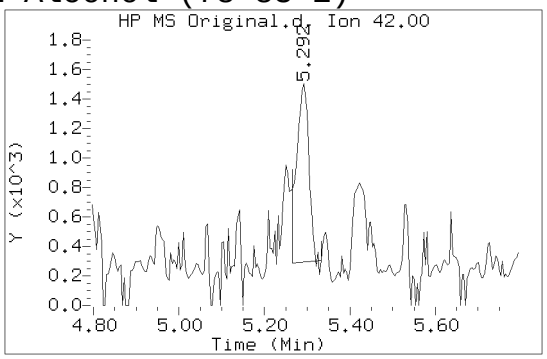
Data File : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060607.D
Inj Date : 06-JUN-2023 13:28
InstruID : VOA9.i
LabSampID : VSTD001

Isobutyl Alcohol (78-83-1)

Reason Code:

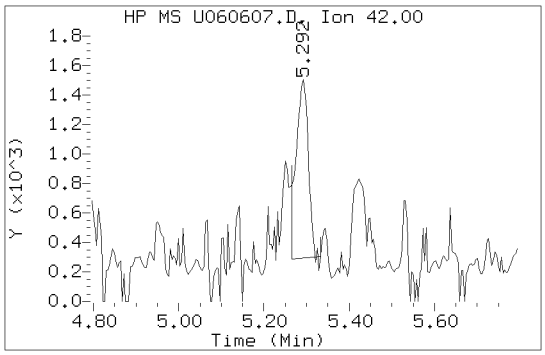
BEFORE

MASS
42
AREA
2425
HEIGHT
1210
08-Jun-2023
14:56
linh
pham



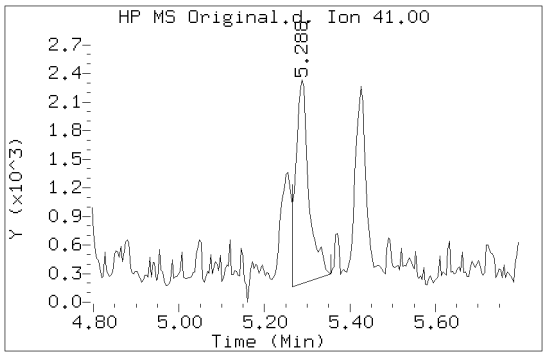
AFTER

MASS
42
AREA
2425
HEIGHT
1210
13-Jun-2023
13:00
linh
pham



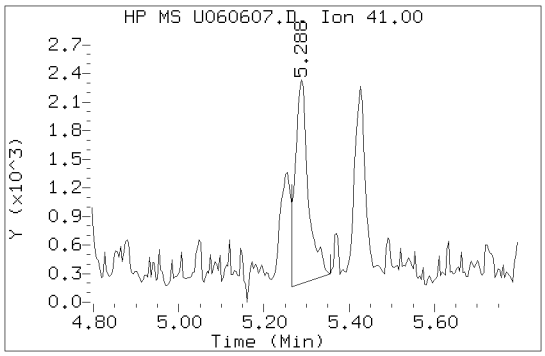
BEFORE

MASS
41
AREA
4613
HEIGHT
2138
08-Jun-2023
14:56
linh
pham



AFTER

MASS
41
AREA
4613
HEIGHT
2138
13-Jun-2023
13:00
linh
pham

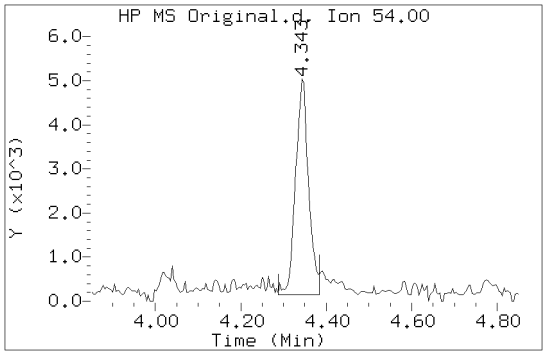


Propionitrile (107-12-0)

Reason Code:

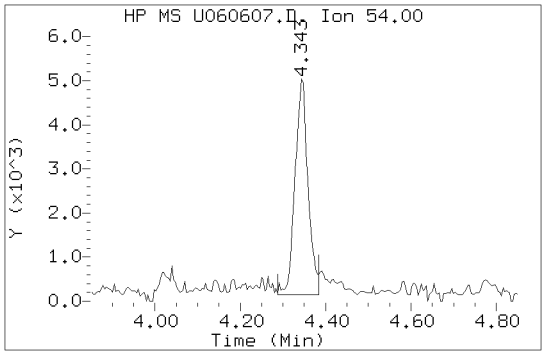
BEFORE

MASS
54
AREA
10588
HEIGHT
4897
08-Jun-2023
14:56
linh
pham



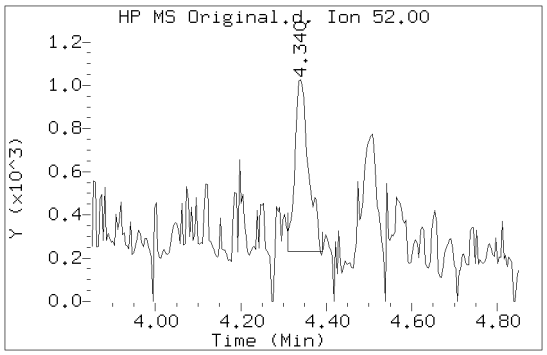
AFTER

MASS
54
AREA
10588
HEIGHT
4897
13-Jun-2023
13:00
linh
pham



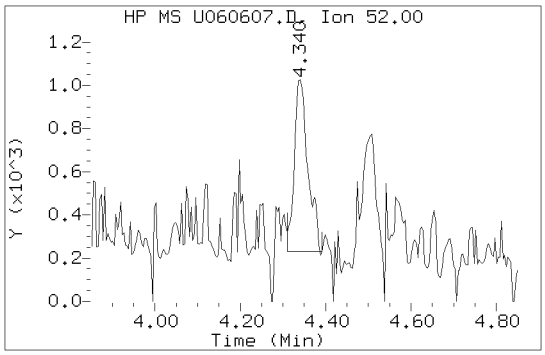
BEFORE

MASS
52
AREA
1789
HEIGHT
794
08-Jun-2023
14:56
linh
pham



AFTER

MASS
52
AREA
1789
HEIGHT
794
13-Jun-2023
13:00
linh
pham



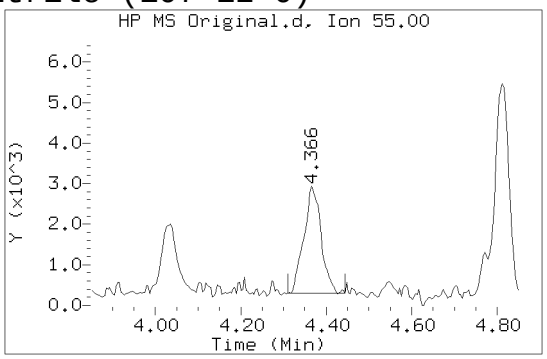
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Inj Date : 06-JUN-2023 13:28
InstruID : VOA9.i
LabSampID : VSTD001

Propionitrile (107-12-0)

Reason Code:

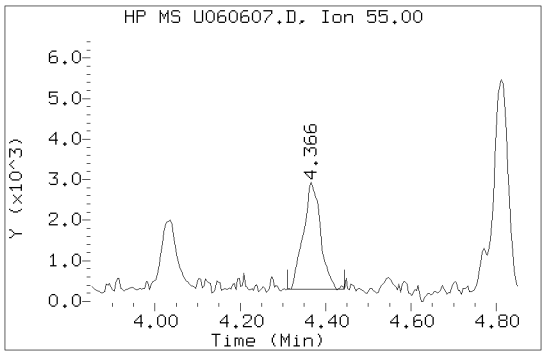
BEFORE

MASS
55
AREA
7500
HEIGHT
2642
08-Jun-2023
14:56
linh
pham



AFTER

MASS
55
AREA
7500
HEIGHT
2642
13-Jun-2023
13:00
linh
pham

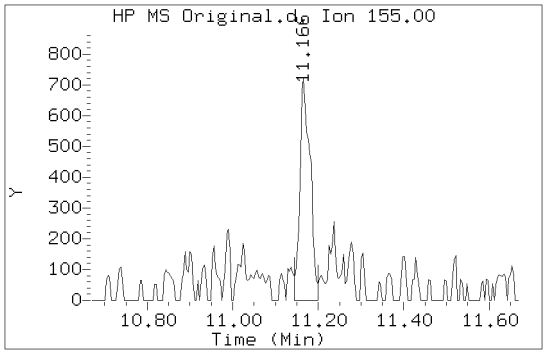


1,2-Dibromo-3-Chloropropane (96-12-8)

Reason Code:

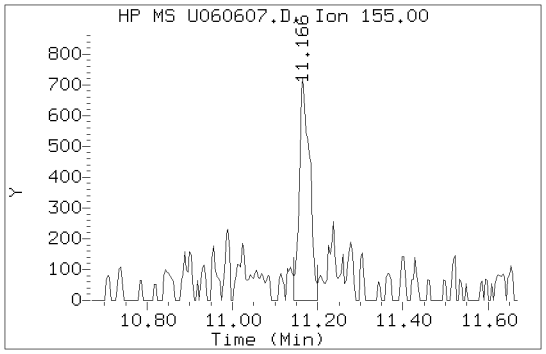
BEFORE

MASS
155
AREA
1239
HEIGHT
719
08-Jun-2023
14:56
linh
pham



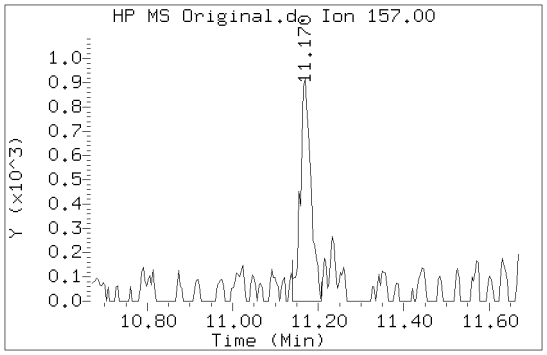
AFTER

MASS
155
AREA
1239
HEIGHT
719
13-Jun-2023
13:00
linh
pham



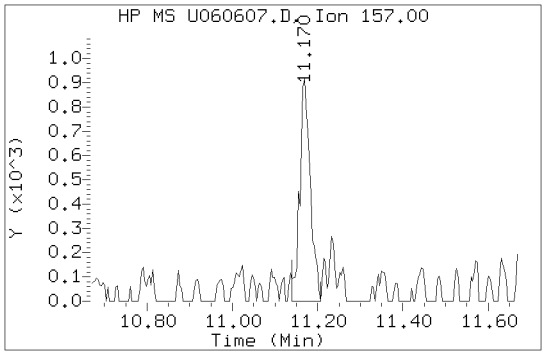
BEFORE

MASS
157
AREA
1601
HEIGHT
916
08-Jun-2023
14:56
linh
pham



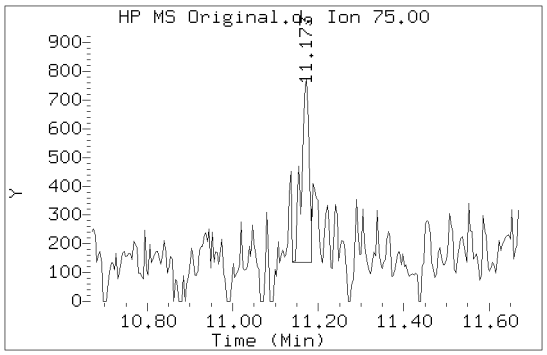
AFTER

MASS
157
AREA
1601
HEIGHT
916
13-Jun-2023
13:00
linh
pham



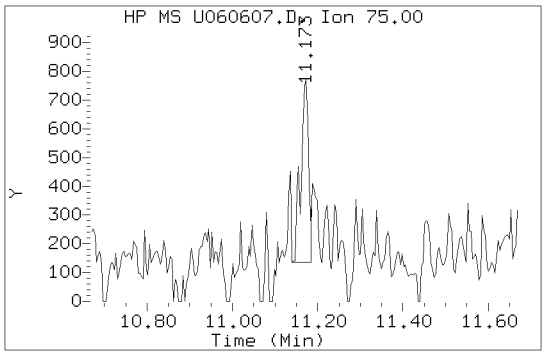
BEFORE

MASS
75
AREA
809
HEIGHT
634
08-Jun-2023
14:56
linh
pham



AFTER

MASS
75
AREA
809
HEIGHT
634
13-Jun-2023
13:00
linh
pham



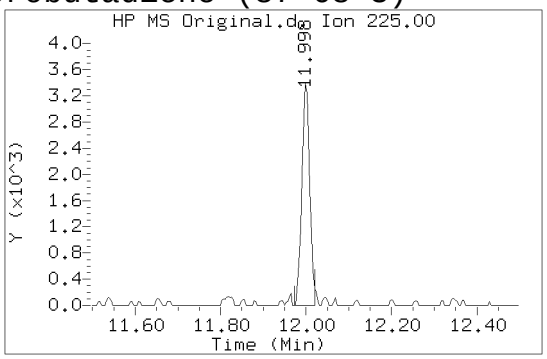
Data File : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060607.D
Inj Date : 06-JUN-2023 13:28
InstruID : VOA9.i
LabSampID : VSTD001

Hexachlorobutadiene (87-68-3)

Reason Code:

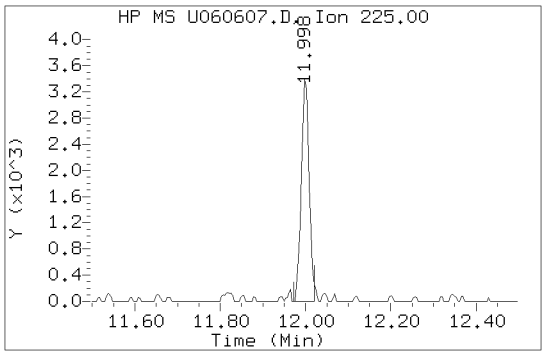
BEFORE

MASS
225
AREA
4470
HEIGHT
3386
08-Jun-2023
14:56
linh
pham



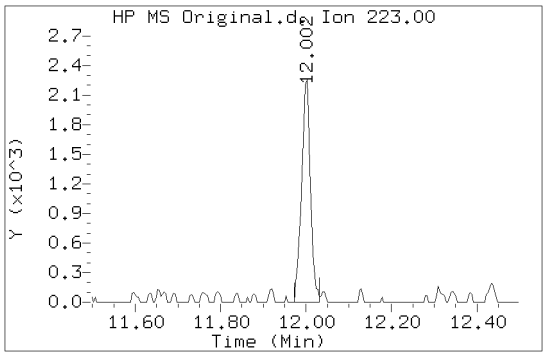
AFTER

MASS
225
AREA
4470
HEIGHT
3386
13-Jun-2023
13:00
linh
pham



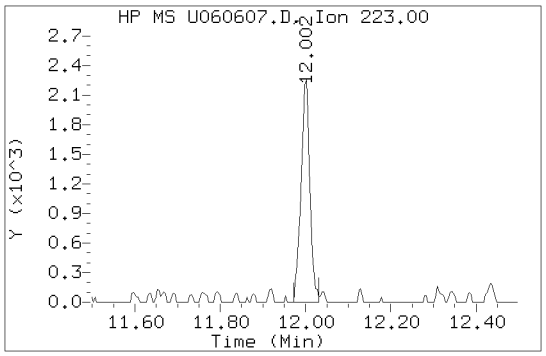
BEFORE

MASS
223
AREA
3352
HEIGHT
2254
08-Jun-2023
14:56
linh
pham



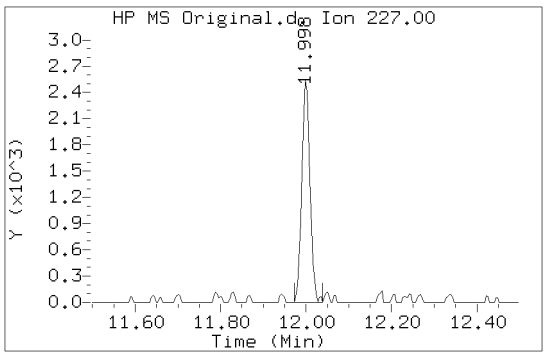
AFTER

MASS
223
AREA
3352
HEIGHT
2254
13-Jun-2023
13:00
linh
pham



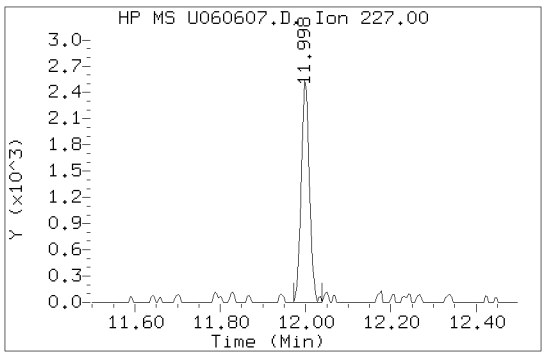
BEFORE

MASS
227
AREA
3477
HEIGHT
2534
08-Jun-2023
14:56
linh
pham



AFTER

MASS
227
AREA
3477
HEIGHT
2534
13-Jun-2023
13:00
linh
pham

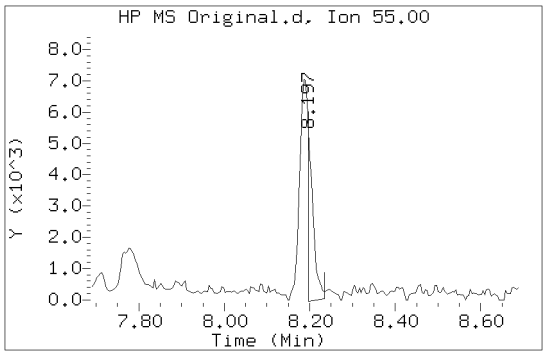


1-Chlorohexane (544-10-5)

Reason Code:

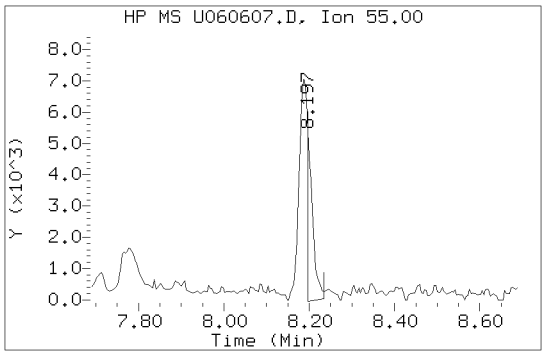
BEFORE

MASS
55
AREA
4887
HEIGHT
5444
08-Jun-2023
14:56
linh
pham



AFTER

MASS
55
AREA
4887
HEIGHT
5444
13-Jun-2023
13:00
linh
pham



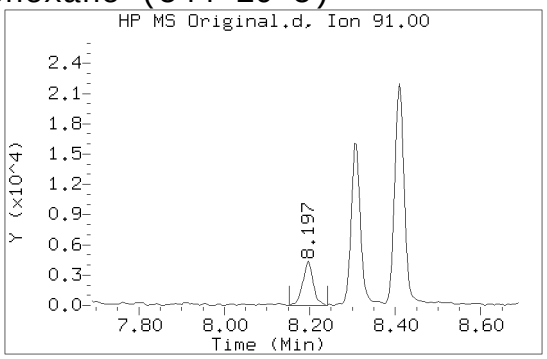
Data File : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060607.D
Inj Date : 06-JUN-2023 13:28
InstruID : VOA9.i
LabSampID : VSTD001

1-Chlorohexane (544-10-5)

Reason Code:

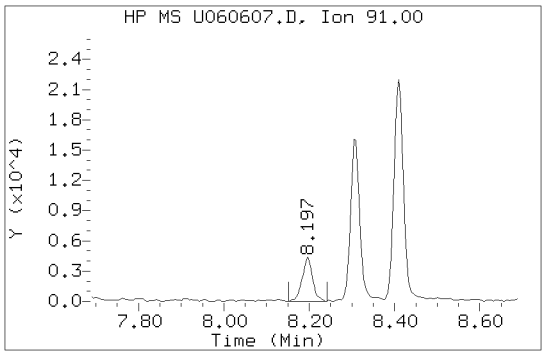
BEFORE

MASS
91
AREA
7655
HEIGHT
4415
08-Jun-2023
14:56
linh
pham



AFTER

MASS
91
AREA
7655
HEIGHT
4415
13-Jun-2023
13:00
linh
pham

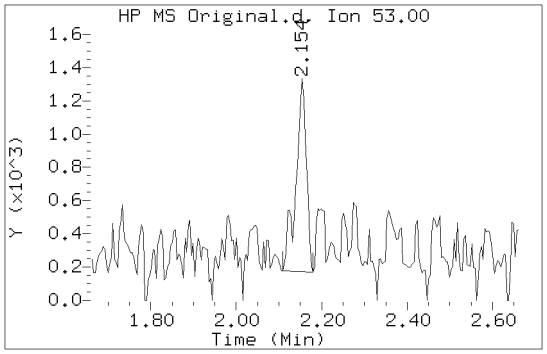


Chloroprene (126-99-8)

Reason Code:

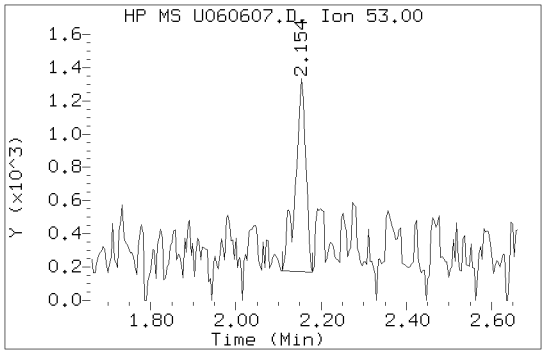
BEFORE

MASS
53
AREA
2027
HEIGHT
1160
08-Jun-2023
14:56
linh
pham



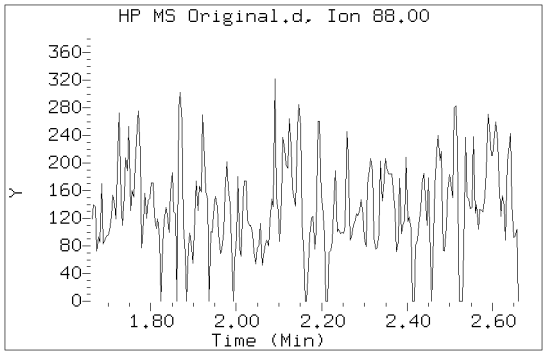
AFTER

MASS
53
AREA
2027
HEIGHT
1160
13-Jun-2023
13:00
linh
pham



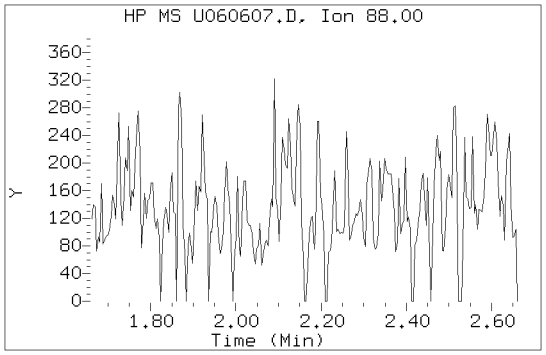
BEFORE

MASS
88
AREA
0
HEIGHT
0
08-Jun-2023
14:56
linh
pham



AFTER

MASS
88
AREA
0
HEIGHT
0
13-Jun-2023
13:00
linh
pham

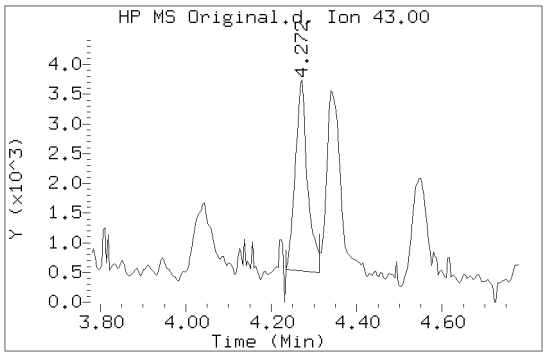


Ethyl Acetate (141-78-6)

Reason Code:

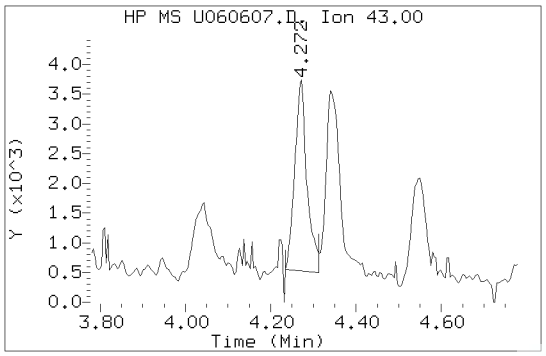
BEFORE

MASS
43
AREA
6476
HEIGHT
3212
08-Jun-2023
14:56
linh
pham



AFTER

MASS
43
AREA
6476
HEIGHT
3212
13-Jun-2023
13:00
linh
pham



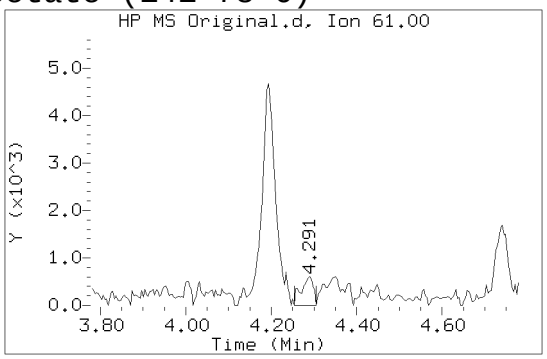
Data File : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060607.D
Inj Date : 06-JUN-2023 13:28
InstruID : VOA9.i
LabSampID : VSTD001

Ethyl Acetate (141-78-6)

Reason Code:

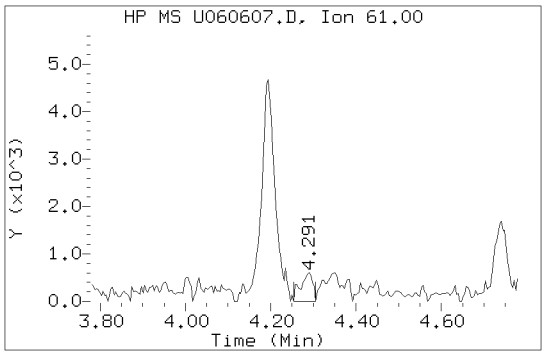
BEFORE

MASS
61
AREA
1204
HEIGHT
613
08-Jun-2023
14:56
linh
pham



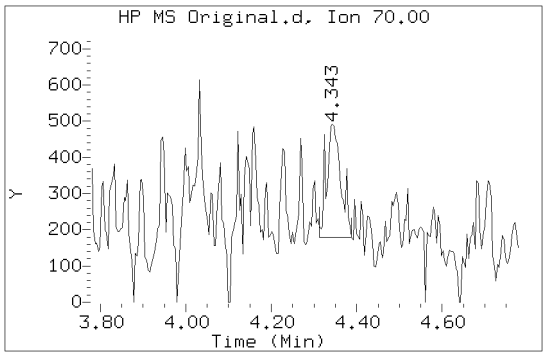
AFTER

MASS
61
AREA
1204
HEIGHT
613
13-Jun-2023
13:00
linh
pham



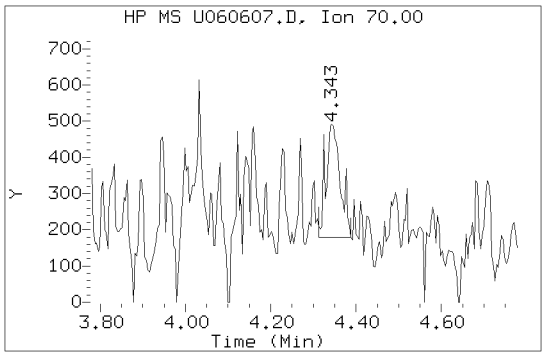
BEFORE

MASS
70
AREA
720
HEIGHT
311
08-Jun-2023
14:56
linh
pham



AFTER

MASS
70
AREA
720
HEIGHT
311
13-Jun-2023
13:00
linh
pham

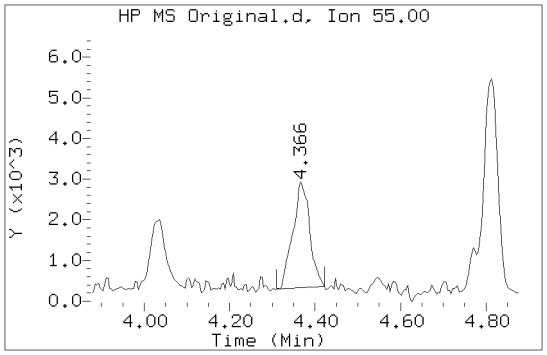


Methyl Acrylate (96-33-3)

Reason Code:

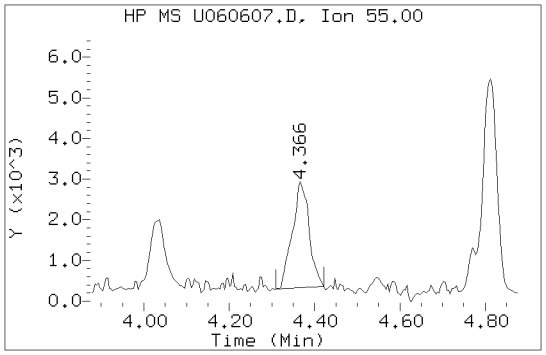
BEFORE

MASS
55
AREA
7188
HEIGHT
2604
08-Jun-2023
14:56
linh
pham



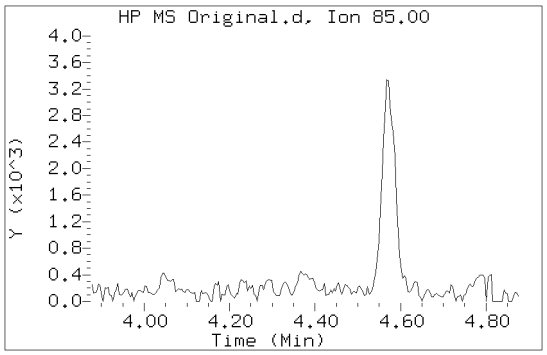
AFTER

MASS
55
AREA
7188
HEIGHT
2604
13-Jun-2023
13:00
linh
pham



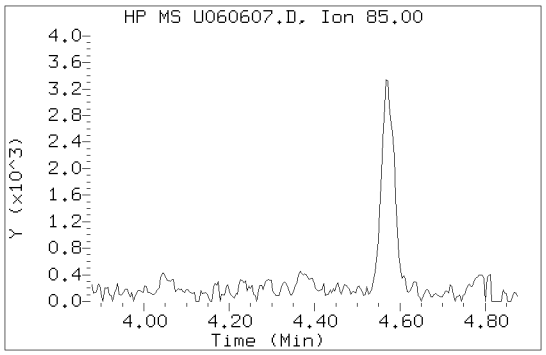
BEFORE

MASS
85
AREA
0
HEIGHT
0
08-Jun-2023
14:56
linh
pham



AFTER

MASS
85
AREA
0
HEIGHT
0
13-Jun-2023
13:00
linh
pham



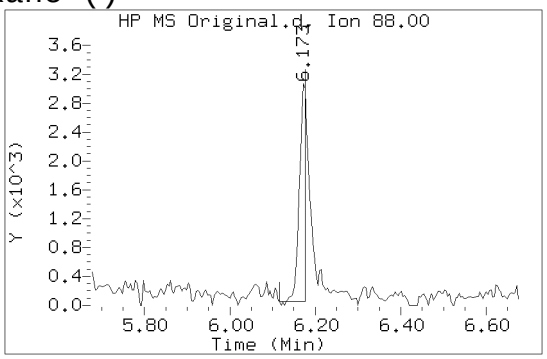
Data File : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060607.D
Inj Date : 06-JUN-2023 13:28
InstruID : VOA9.i
LabSampID : VSTD001

1,4-Dioxane ()

Reason Code:

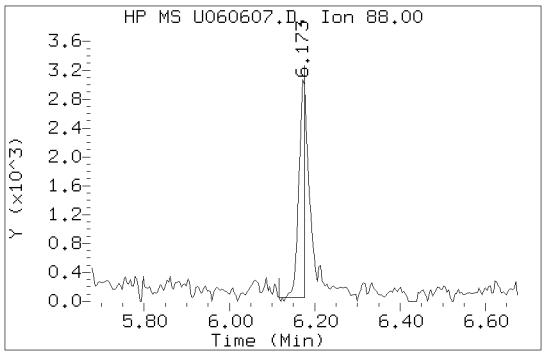
BEFORE

MASS
88
AREA
3065
HEIGHT
3017
08-Jun-2023
14:56
linh
pham



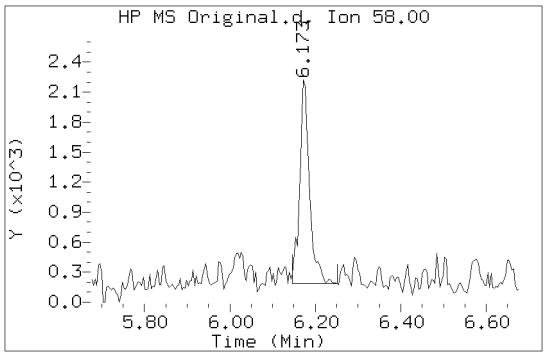
AFTER

MASS
88
AREA
3065
HEIGHT
3017
13-Jun-2023
13:00
linh
pham



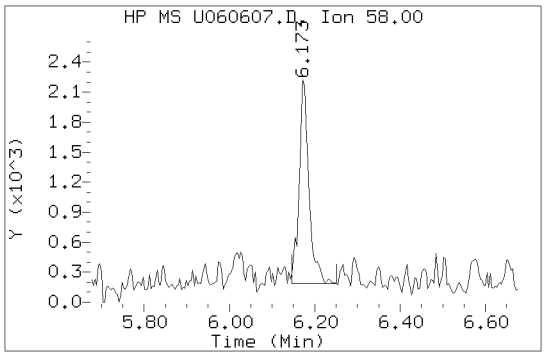
BEFORE

MASS
58
AREA
3335
HEIGHT
2036
08-Jun-2023
14:56
linh
pham



AFTER

MASS
58
AREA
3335
HEIGHT
2036
13-Jun-2023
13:00
linh
pham

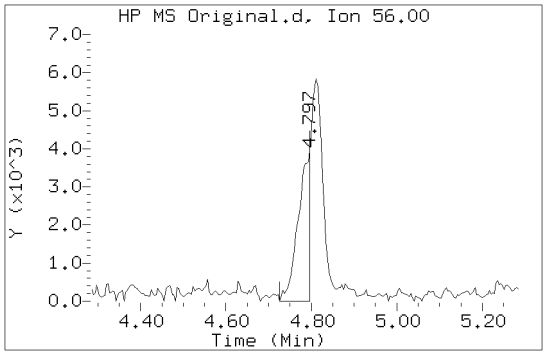


Cyclohexane (110-82-7)

Reason Code:

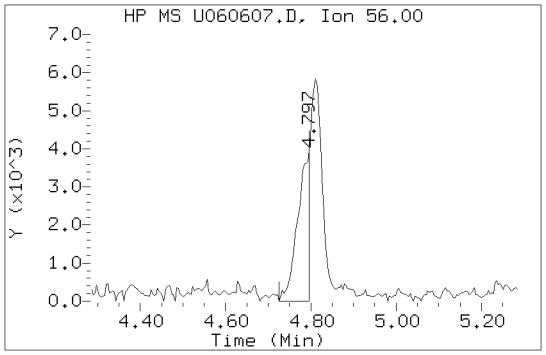
BEFORE

MASS
56
AREA
7781
HEIGHT
3965
08-Jun-2023
14:56
linh
pham



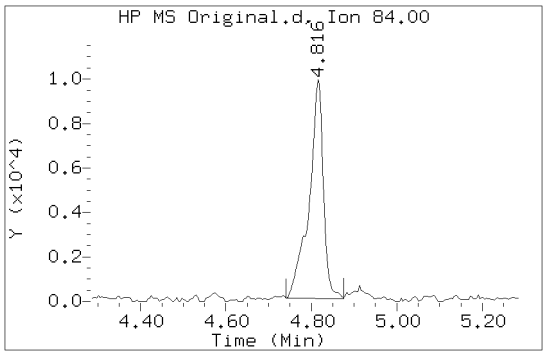
AFTER

MASS
56
AREA
7781
HEIGHT
3965
13-Jun-2023
13:00
linh
pham



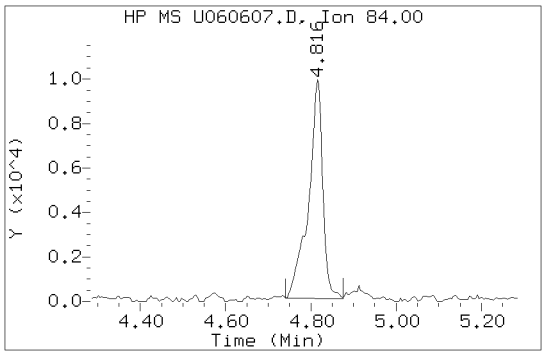
BEFORE

MASS
84
AREA
22992
HEIGHT
9843
08-Jun-2023
14:56
linh
pham



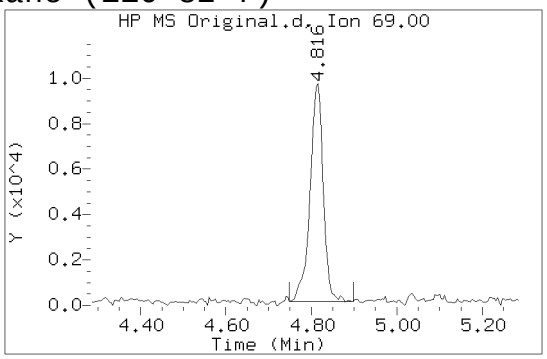
AFTER

MASS
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9843
13-Jun-2023
13:00
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pham



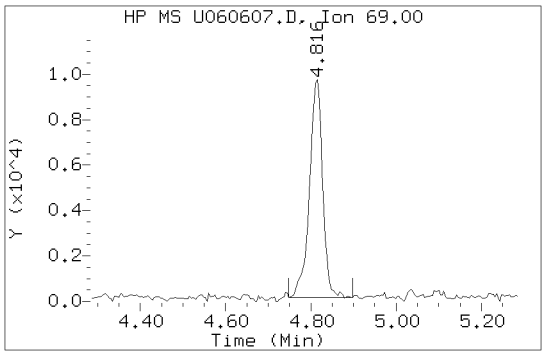
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Inj Date : 06-JUN-2023 13:28
InstruID : VOA9.i
LabSampID : VSTD001

Cyclohexane (110-82-7)



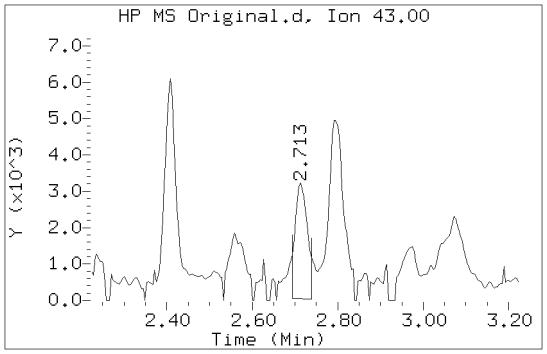
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Reason Code:



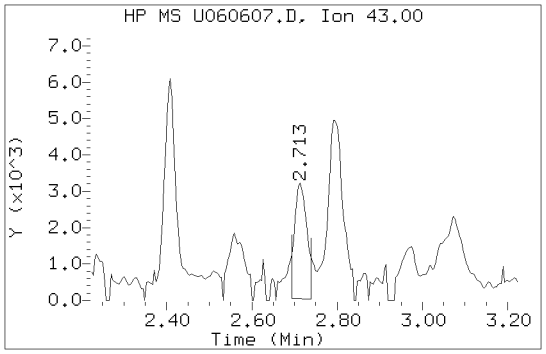
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Methyl Acetate (79-20-9)

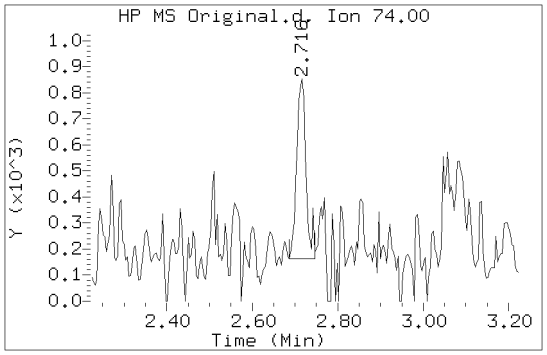


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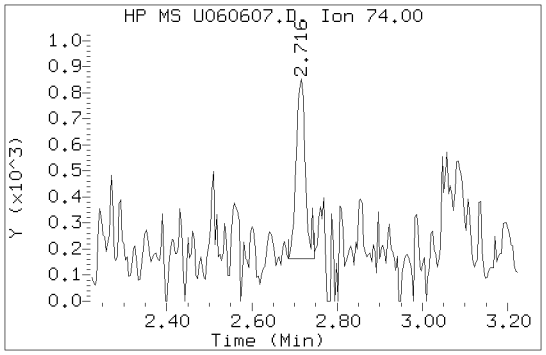
Reason Code:



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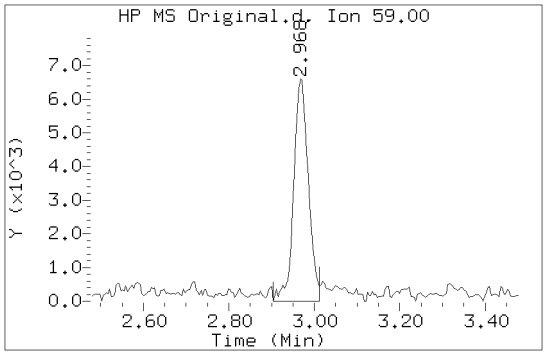


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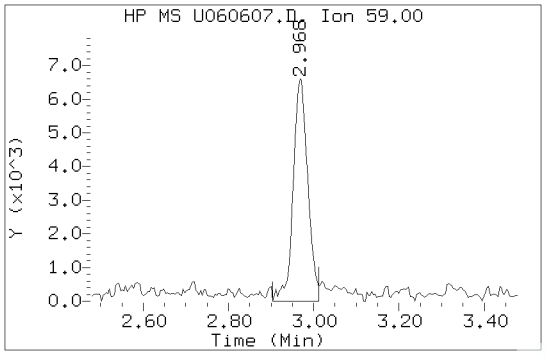
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13-Jun-2023
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Tert-Butyl alcohol (75-65-0)



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HEIGHT
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08-Jun-2023
14:56
linh
pham

Reason Code:



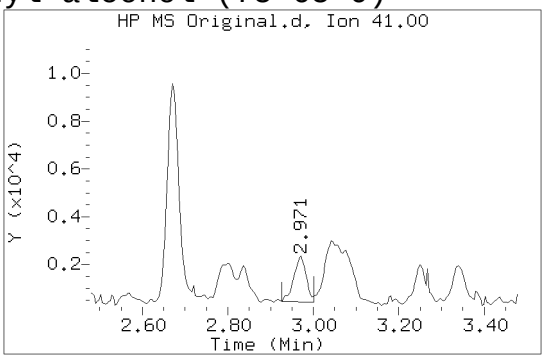
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13-Jun-2023
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Inj Date : 06-JUN-2023 13:28
InstruID : VOA9.i
LabSampID : VSTD001

Tert-Butyl alcohol (75-65-0)

BEFORE

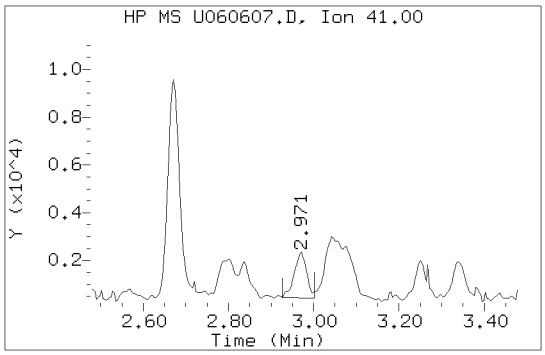
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pham



Reason Code:

AFTER

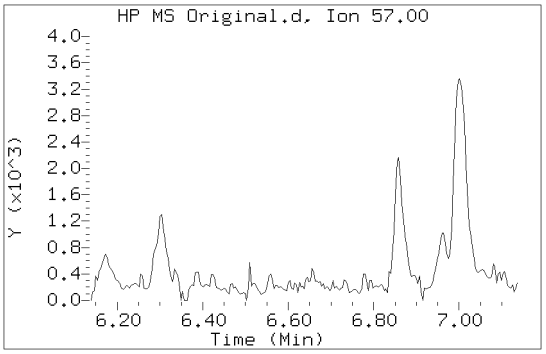
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13-Jun-2023
13:00
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pham



Epichlorohydrin (106-89-8)

BEFORE

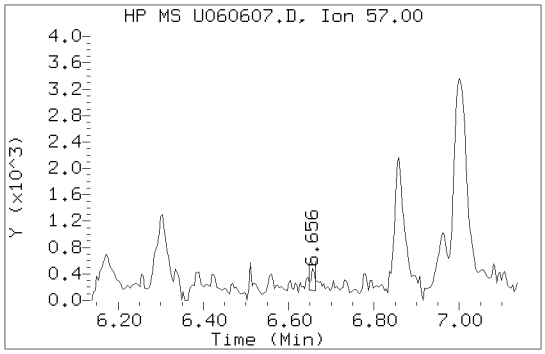
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pham



Reason Code:

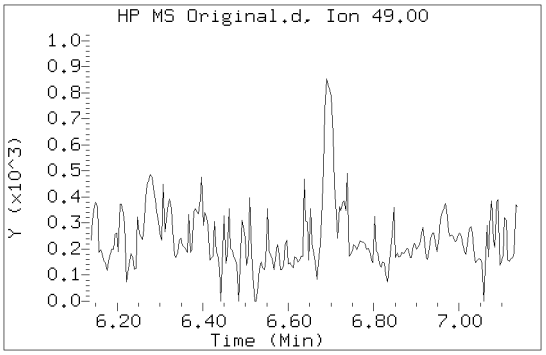
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13:00
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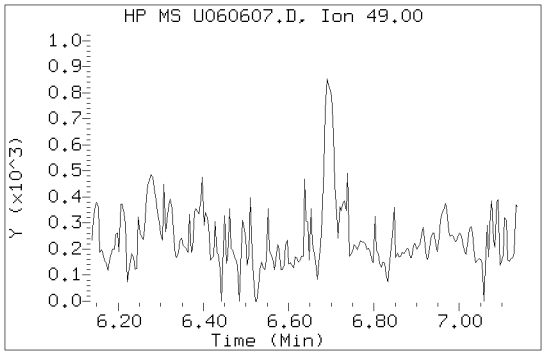
BEFORE

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AREA
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HEIGHT
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08-Jun-2023
14:56
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pham



AFTER

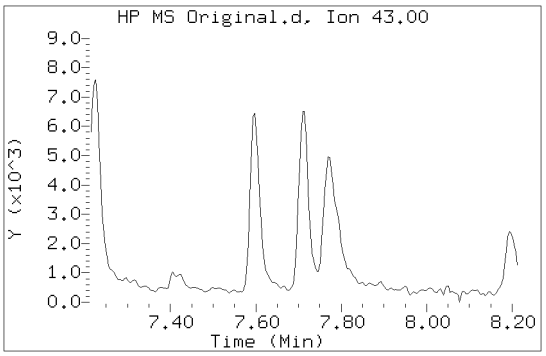
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13-Jun-2023
13:00
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pham



n-Butyl acetate (123-86-4)

BEFORE

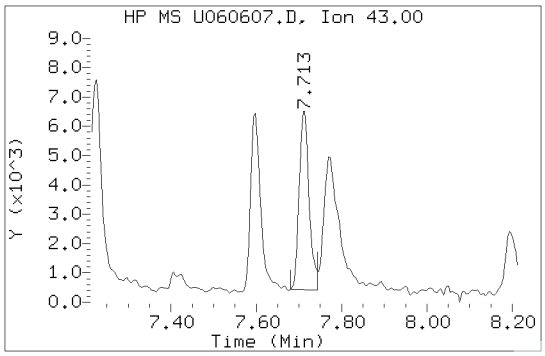
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08-Jun-2023
14:56
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Reason Code:

AFTER

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13-Jun-2023
13:00
linh
pham



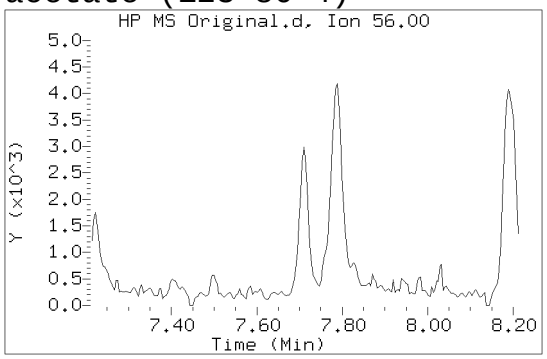
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Inj Date : 06-JUN-2023 13:28
InstruID : VOA9.i
LabSampID : VSTD001

n-Butyl acetate (123-86-4)

Reason Code:

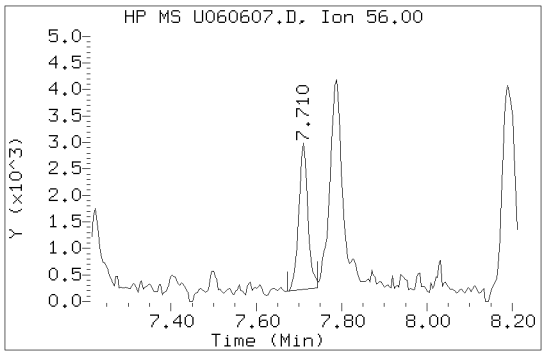
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08-Jun-2023
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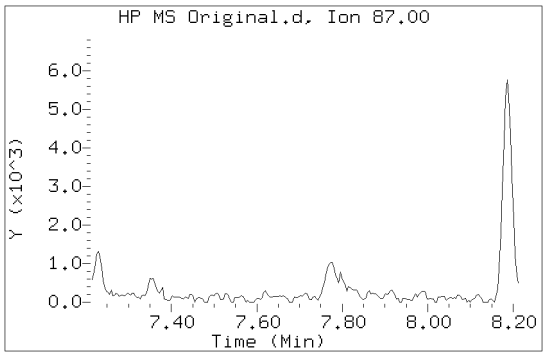
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13:00
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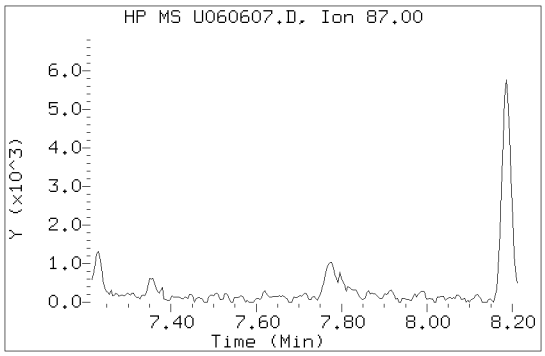
BEFORE

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AREA
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HEIGHT
0
08-Jun-2023
14:56
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pham



AFTER

MASS
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HEIGHT
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13-Jun-2023
13:00
linh
pham

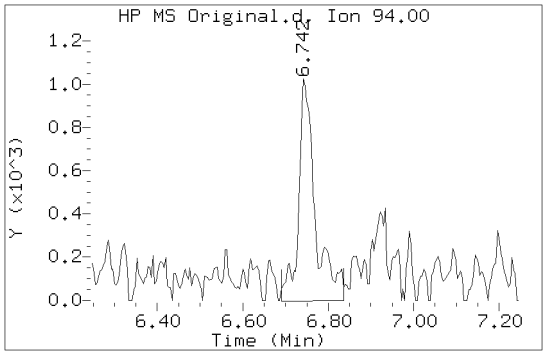


Dimethyl Disulfide (624-92-0)

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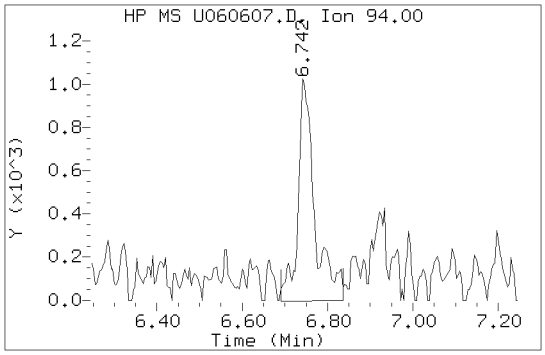
BEFORE

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08-Jun-2023
14:56
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pham



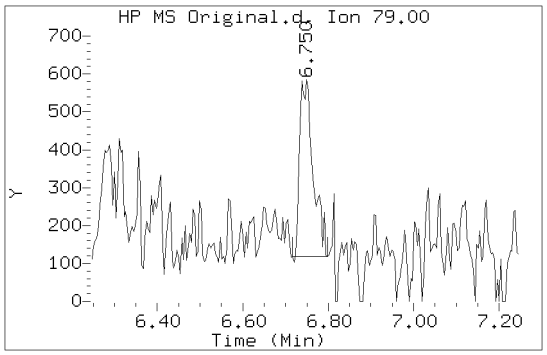
AFTER

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13-Jun-2023
13:00
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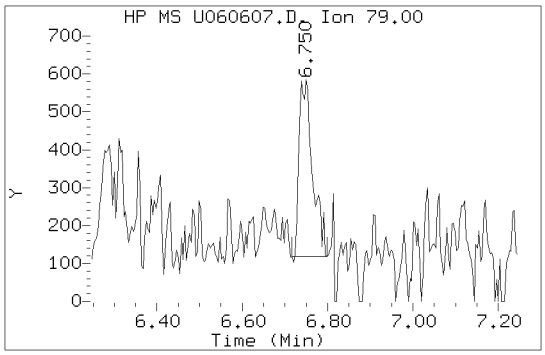
BEFORE

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467
08-Jun-2023
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AFTER

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13-Jun-2023
13:00
linh
pham



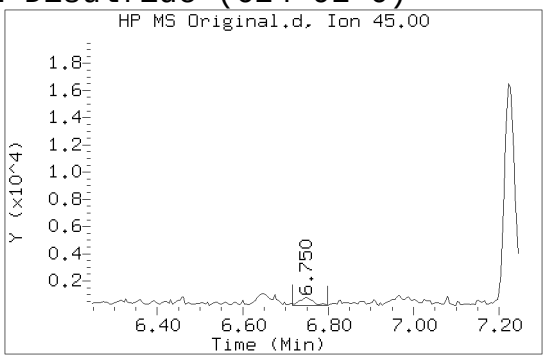
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Inj Date : 06-JUN-2023 13:28
InstruID : VOA9.i
LabSampID : VSTD001

Dimethyl Disulfide (624-92-0)

Reason Code:

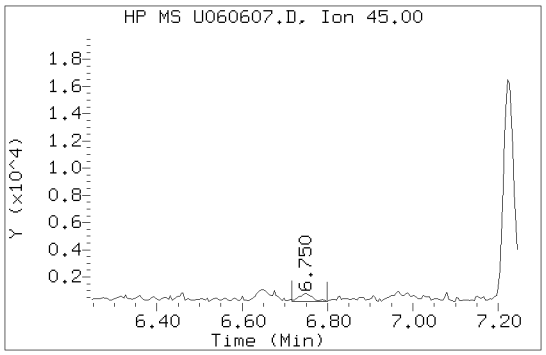
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08-Jun-2023
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AFTER

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HEIGHT
562
13-Jun-2023
13:00
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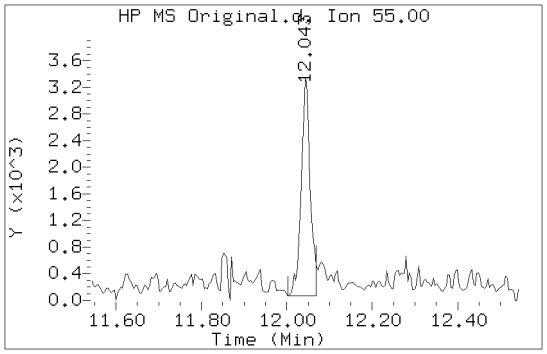


2-Ethylhexyl Acrylate (103-11-7)

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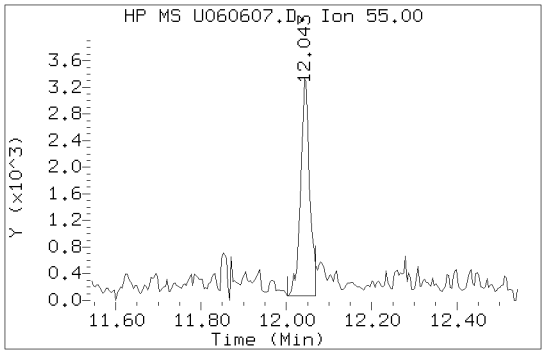
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3262
08-Jun-2023
14:56
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pham



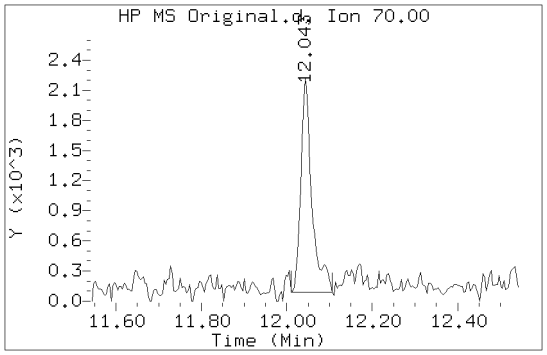
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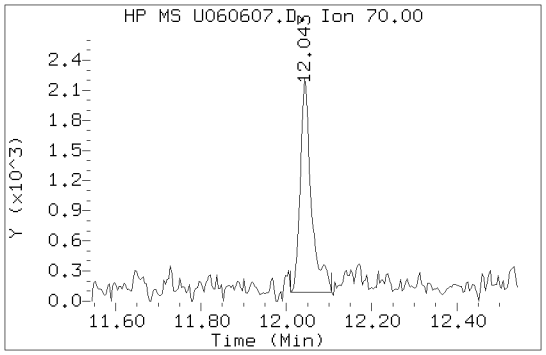
BEFORE

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08-Jun-2023
14:56
linh
pham



AFTER

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HEIGHT
2125
13-Jun-2023
13:00
linh
pham



Data File: \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060608.D Page 1
Report Date: 13-Jun-2023 13:01

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060608.D
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Inj Date : 06-JUN-2023 13:50
Operator : PC Inst ID: VOA9.i
Smp Info : VSTD002;VSTD002;1;4;
Misc Info : V9;WATER;0;1;
Comment   :
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Meth Date : 13-Jun-2023 13:01 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 13:28 Cal File: U060607.D
Als bottle: 9 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
* 1	Pentafluorobenzene	168	4.819	4.819	(1.000)	654680	50.0000	
2	Dichlorodifluoromethane	85	1.171	1.171	(0.243)	8519	2.00000	1.48(a)
3	Chloromethane	50	1.303	1.303	(0.270)	24280	2.00000	1.17(a)
5	Vinyl Chloride	62	1.385	1.385	(0.288)	12806	2.00000	1.84(a)
6	Bromomethane	94	1.629	1.629	(0.338)	9237	2.00000	0.85(a)
7	Chloroethane	64	1.708	1.708	(0.354)	8750	2.00000	1.87(a)
8	Trichlorofluoromethane	101	1.902	1.902	(0.395)	13346	2.00000	1.67(a)
10	Acetone	43	2.420	2.420	(0.502)	18337	4.00000	2.91(a)
11	1,1-Dichloroethene	96	2.341	2.341	(0.486)	8887	2.00000	1.78(a)
15	Iodomethane	142	2.480	2.480	(0.515)	5244	4.00000	11.12(M)
17	Methylene Chloride	84	2.802	2.802	(0.582)	14226	2.00000	1.40(a)
18	Methyl tert-butyl ether	73	3.087	3.087	(0.641)	27827	2.00000	1.82(a)
19	Carbon Disulfide	76	2.528	2.528	(0.525)	47817	4.00000	3.59(a)
20	trans-1,2-Dichloroethene	96	3.068	3.068	(0.637)	10209	2.00000	1.88(a)
21	Vinyl Acetate	43	3.616	3.616	(0.750)	59931	4.00000	3.63(a)
22	1,1-Dichloroethane	63	3.522	3.522	(0.731)	20288	2.00000	1.97(a)
24	2-Butanone	43	4.279	4.279	(0.888)	11638	4.00000	3.89(a)
26	2,2-Dichloropropane	77	4.182	4.182	(0.868)	12294	2.00000	2.19(a)
27	cis-1,2-Dichloroethene	96	4.204	4.204	(0.872)	12235	2.00000	1.89(a)
28	Chloroform	83	4.579	4.579	(0.950)	20897	2.00000	1.95(a)

	29 Bromochloromethane	128	4.474	4.474 (0.928)	6927	2.00000	1.91(a)
$	30 Dibromofluoromethane	113	4.755	4.755 (0.987)	10602	2.00000	1.62(a)

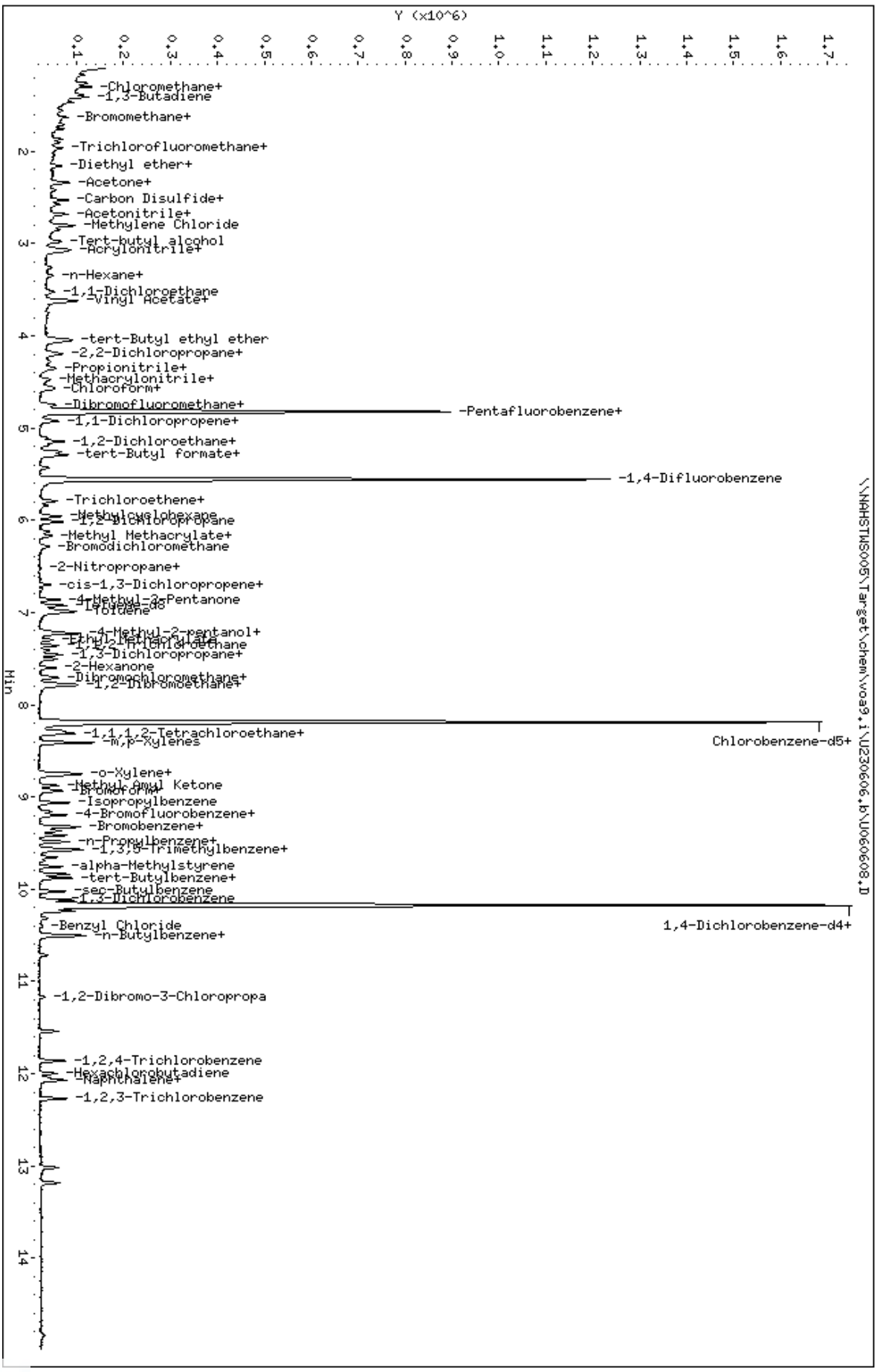
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	31 1,1,1-Trichloroethane	97	4.744	4.744	(0.984)	13786	2.00000	1.69(a)
	32 1,1-Dichloropropene	75	4.928	4.928	(0.887)	12050	2.00000	1.70(a)
	33 1,2-Dichloroethane	62	5.183	5.183	(0.933)	17690	2.00000	2.12(a)
	34 Carbon Tetrachloride	117	4.916	4.916	(0.885)	10294	2.00000	1.58(a)
$	35 1,2-Dichloroethane-d4	65	5.104	5.104	(1.059)	11855	2.00000	1.33(a)
*	36 1,4-Difluorobenzene	114	5.557	5.557	(1.000)	962707	50.0000	
	37 Benzene	78	5.141	5.141	(0.925)	46993	2.00000	2.02(a)
	38 Trichloroethene	130	5.794	5.794	(1.042)	12341	2.00000	1.83(a)
	39 Bromodichloromethane	83	6.281	6.281	(1.130)	12700	2.00000	1.75(a)
	42 1,2-Dichloropropane	63	6.015	6.015	(1.082)	12117	2.00000	1.95(a)
	44 Dibromomethane	93	6.123	6.123	(1.102)	7782	2.00000	1.96(a)
	45 4-Methyl-2-Pentanone	43	6.858	6.858	(0.838)	30250	4.00000	4.57(a)
	46 cis-1,3-Dichloropropene	75	6.697	6.697	(1.205)	12842	2.00000	3.18(a)
*	47 Chlorobenzene-d5	117	8.189	8.189	(1.000)	907233	50.0000	
$	48 Toluene-d8	98	6.926	6.926	(0.846)	36710	2.00000	1.78(a)
	50 Toluene	91	6.986	6.986	(0.853)	45011	2.00000	1.82(a)
	51 trans-1,3-Dichloropropene	75	7.199	7.199	(1.295)	12660	2.00000	3.51(aM)
	52 2-Hexanone	43	7.597	7.597	(0.928)	23033	4.00000	5.00
	53 1,1,2-Trichloroethane	83	7.357	7.357	(0.898)	10667	2.00000	2.08(a)
	54 1,3-Dichloropropane	76	7.503	7.503	(0.916)	21098	2.00000	2.01(a)
	55 Dibromochloromethane	129	7.694	7.694	(0.940)	10276	2.00000	1.69(a)
	56 Tetrachloroethene	164	7.458	7.458	(0.911)	11347	2.00000	1.89(a)
	57 1,2-Dibromoethane	107	7.788	7.788	(0.951)	12823	2.00000	2.03(a)
	58 1-Chlorohexane	55	8.189	8.189	(1.473)	9554	2.00000	1.93(aM)
	59 Chlorobenzene	112	8.211	8.211	(1.003)	36163	2.00000	2.05(a)
	60 1,1,1,2-Tetrachloroethane	131	8.286	8.286	(1.012)	11696	2.00000	1.93(a)
	61 Ethylbenzene	106	8.309	8.309	(1.015)	13970	2.00000	1.70(a)
	62 m,p-Xylenes	106	8.410	8.410	(1.027)	33831	4.00000	3.49(aM)
	63 o-Xylene	106	8.748	8.748	(1.068)	16529	2.00000	1.73(a)
	64 Styrene	104	8.766	8.766	(1.070)	26887	2.00000	1.77(a)
	66 Bromoform	173	8.920	8.920	(1.089)	7583	2.00000	1.84(a)
	67 Isopropylbenzene	105	9.062	9.062	(1.107)	39716	2.00000	1.73(a)
	68 1,1,2,2-Tetrachloroethane	83	9.332	9.332	(0.917)	21290	2.00000	2.41(aM)
$	69 4-Bromofluorobenzene	95	9.197	9.197	(1.123)	16728	2.00000	1.19(a)
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	468121	50.0000	
	71 1,2,3-Trichloropropane	75	9.362	9.362	(0.920)	17163	2.00000	2.21(aM)
	73 n-Propylbenzene	91	9.415	9.415	(0.926)	42411	2.00000	1.72(a)
	74 Bromobenzene	156	9.317	9.317	(0.916)	17200	2.00000	2.17(a)
	75 1,3,5-Trimethylbenzene	105	9.565	9.565	(0.940)	31762	2.00000	1.88(a)
	76 2-Chlorotoluene	91	9.482	9.482	(0.932)	34904	2.00000	2.02(a)
	77 4-Chlorotoluene	91	9.580	9.580	(0.942)	39709	2.00000	2.07(a)
	78 tert-Butylbenzene	119	9.838	9.838	(0.967)	29666	2.00000	1.79(a)
	79 1,2,4-Trimethylbenzene	105	9.880	9.880	(0.971)	37613	2.00000	2.13(a)
	81 sec-Butylbenzene	105	10.022	10.022	(0.985)	35689	2.00000	1.70(a)
	82 p-Isopropyltoluene	119	10.146	10.146	(0.997)	31988	2.00000	1.81(a)
	83 1,3-Dichlorobenzene	146	10.116	10.116	(0.994)	29086	2.00000	2.16(a)
	84 1,4-Dichlorobenzene	146	10.195	10.195	(1.002)	31674	2.00000	2.21(aM)
	87 n-Butylbenzene	91	10.494	10.494	(1.032)	27289	2.00000	1.81(a)
	88 1,2-Dichlorobenzene	146	10.506	10.506	(1.033)	30371	2.00000	2.25(a)
	89 1,2-Dibromo-3-Chloropropane	155	11.169	11.169	(1.098)	2819	2.00000	2.19(a)
	90 1,2,4-Trichlorobenzene	180	11.859	11.859	(1.166)	19713	2.00000	2.13(a)
	93 1,2,3-Trichlorobenzene	180	12.271	12.271	(1.206)	20459	2.00000	2.26(a)

M	94	1,2-Dichloroethylene (total)	96			22444	4.00000	(a)
	135	1,4-Dioxane	88	6.176	6.176 (1.282)	5764	40.0000	44.34(aM)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
141 Cyclohexane	56	4.785	4.785	(0.993)	8877	2.00000	1.31(aMH)
138 Freon TF	101	2.341	2.341	(0.486)	6997	2.00000	1.59(aM)
140 1,3-Butadiene	54	1.408	1.408	(0.292)	11039	2.00000	1.78(a)
147 Methylcyclohexane	55	5.955	5.955	(1.071)	22206	2.00000	1.66(a)
146 Methyl Acetate	43	2.723	2.723	(0.565)	12288	2.00000	2.22(a)
148 Tert-Butyl alcohol	59	2.978	2.978	(0.618)	34487	40.0000	52.33
149 Isopropyl Alcohol	45	2.573	2.573	(0.534)	22047	40.0000	51.51(T)
72 trans-1,4-Dichloro-2-butene	53	9.377	9.377	(1.145)	1936	2.00000	1.85(M)
12 Isobutyl Alcohol	43	5.295	5.295	(1.099)	31429	40.0000	36.94(M)
13 Acetonitrile	39	2.678	2.678	(0.556)	13701	20.0000	19.32
40 Methyl Methacrylate	41	6.161	6.161	(1.278)	9826	2.00000	1.74
4 Propionitrile	54	4.350	4.350	(0.903)	17197	20.0000	18.17(a)
136 n-Hexane	57	3.346	3.346	(0.694)	7179	2.00000	1.45(a)
131 Methyl Acrylate	55	4.377	4.377	(0.908)	11843	2.00000	1.71(aM)
200 Dimethyl Disulfide	94	6.746	6.746	(0.824)	4598	2.00000	5.17(M)
49 Ethyl Methacrylate	69	7.297	7.297	(1.313)	13205	2.00000	1.56(a)
166 1,2,3-Trimethylbenzene	105	10.236	10.236	(1.006)	34972	2.00000	1.94(a)
167 Ethanol	45	2.090	2.090	(0.434)	4910	40.0000	38.64
164 Dicyclopentadiene	66	10.202	10.202	(1.003)	43120	2.00000	1.88(a)
145 alpha-Methylstyrene	118	9.756	9.756	(0.959)	14955	2.00000	5.11
156 Diisopropyl ether	45	3.627	3.627	(0.753)	35538	2.00000	1.94(Ta)
151 4-Methyl-2-pentanol	45	7.226	7.226	(1.300)	47340	40.0000	33.06
150 Allyl alcohol	57	3.346	3.346	(0.694)	7179	40.0000	29.86
86 Benzyl Chloride	91	10.315	10.315	(1.260)	11203	2.00000	5.38
162 Butyl acrylate	55	8.740	8.740	(1.067)	18210	2.00000	1.69(a)
139 Diethyl ether	59	2.154	2.154	(0.447)	8174	2.00000	1.84(a)
203 2-Ethylhexyl Acrylate	55	12.043	12.043	(1.184)	8201	2.00000	3.58(a)
134 Cyclohexanone	55	9.156	9.156	(0.900)	11087	40.0000	38.20(a)
130 Ethyl Acetate	43	4.279	4.279	(0.888)	11855	2.00000	2.02(aM)
189 n-Butyl acetate	43	7.713	7.713	(0.942)	21837	2.00000	2.11(aM)
182 Epichlorohydrin	57	6.637	6.637	(1.194)	854	8.00000	18.93(M)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.



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Client ID: VSTD002
Sample Info: VSTD002;VSTD002;1;4;
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Column phase: DB624

Instrument: VOA9.i
Operator: PC
Column diameter: 0.18

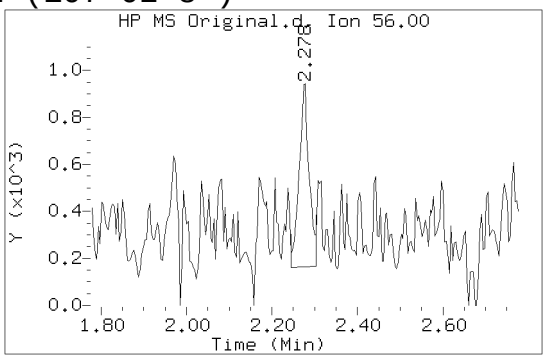
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LabSampID : VSTD002

Acrolein (107-02-8)

Reason Code:

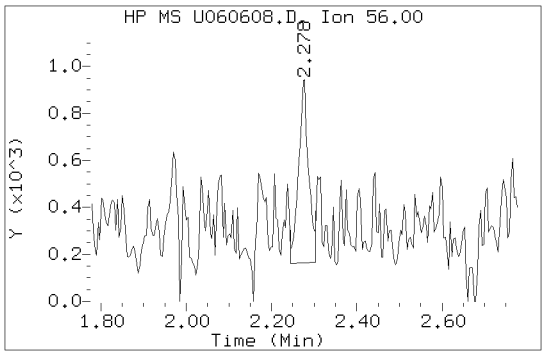
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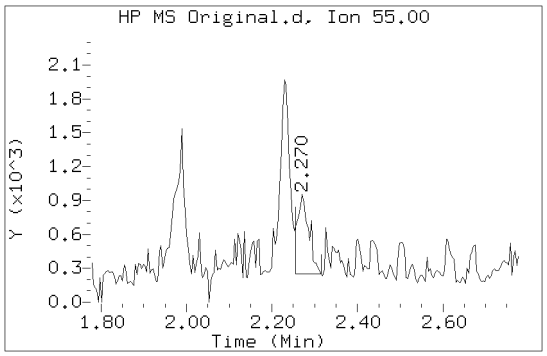
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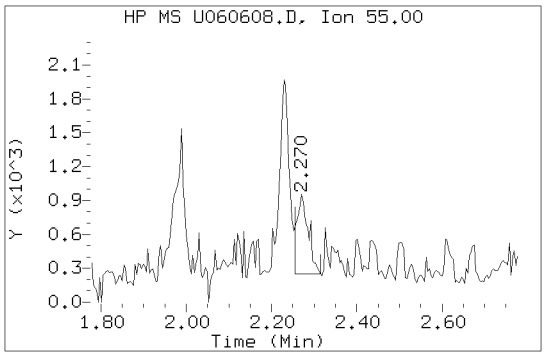
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AFTER

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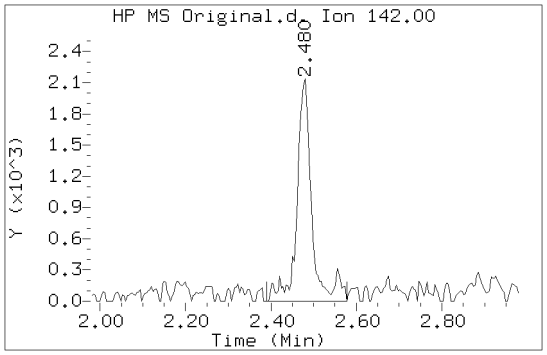


Iodomethane (74-88-4)

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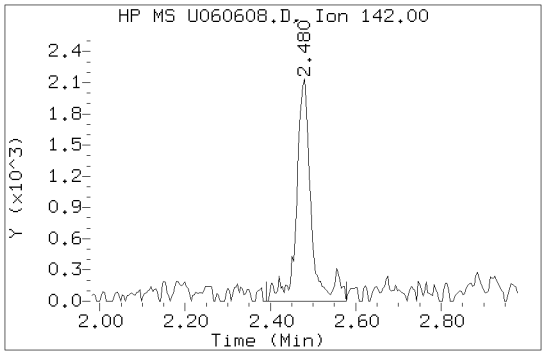
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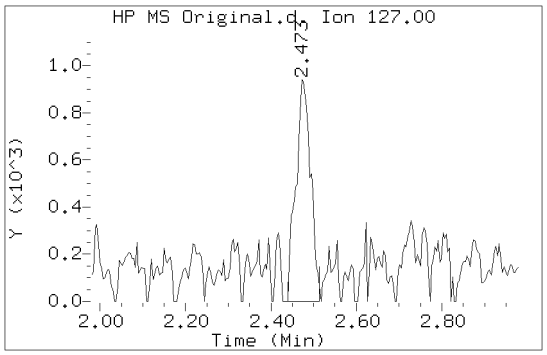
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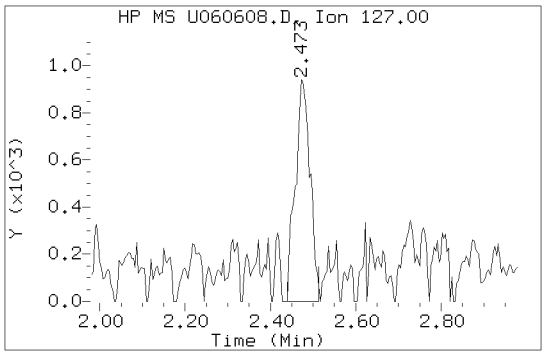
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AFTER

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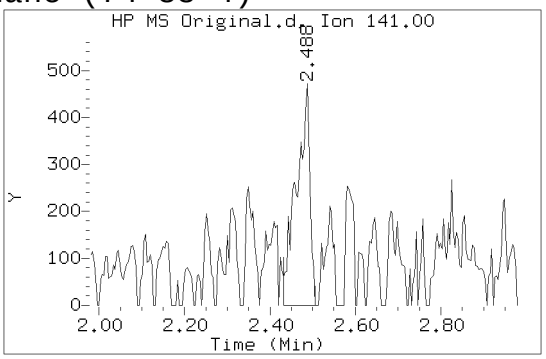
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LabSampID : VSTD002

Iodomethane (74-88-4)

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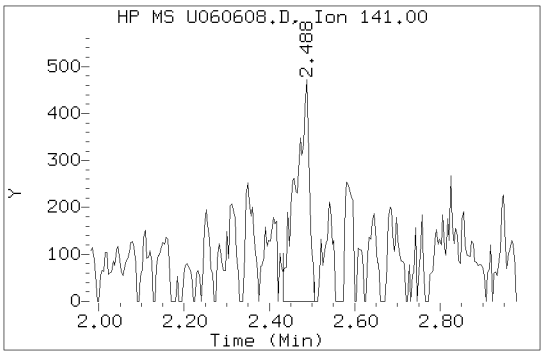
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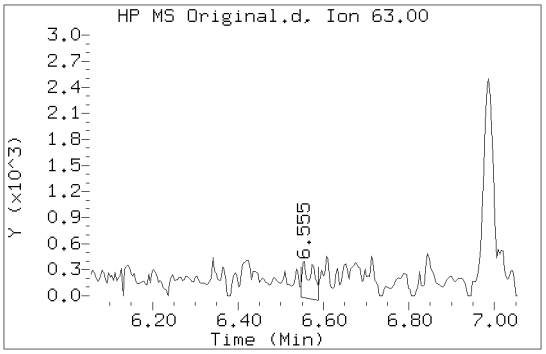


2-Chloroethylvinyl ether (110-75-8)

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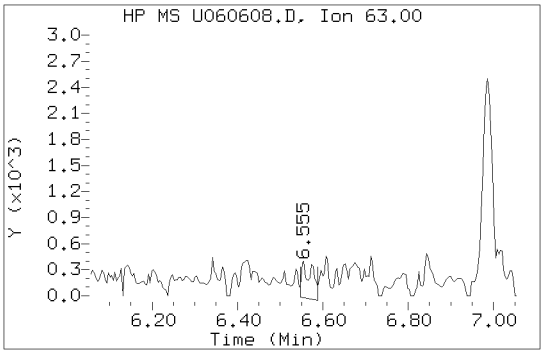
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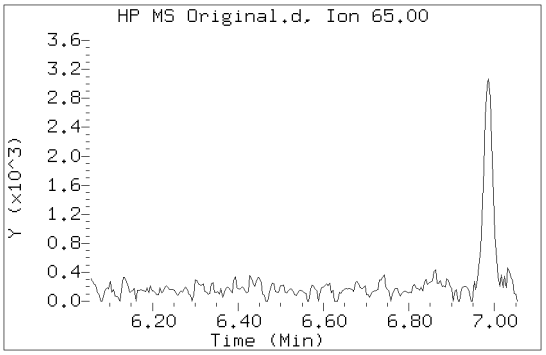
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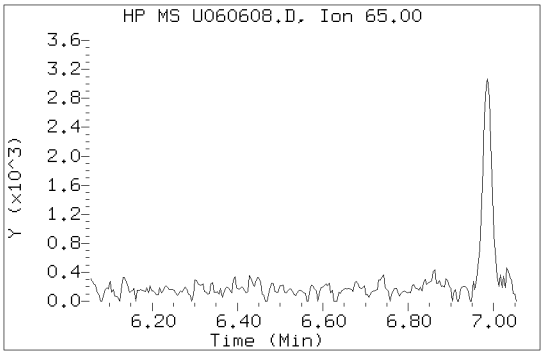
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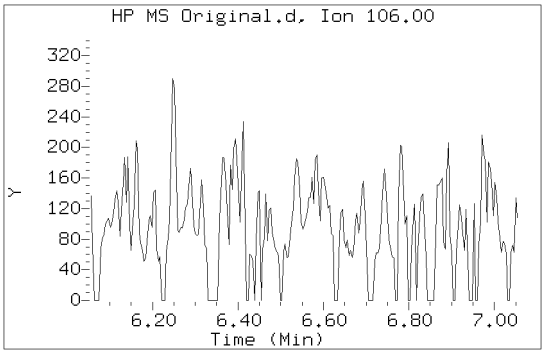
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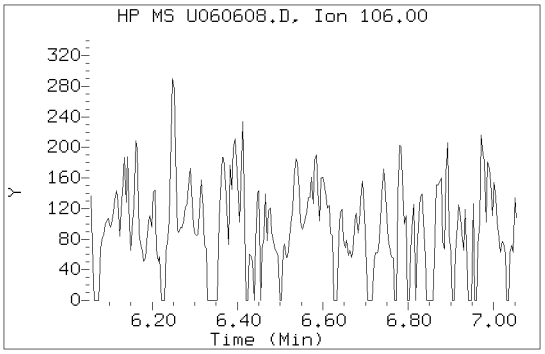
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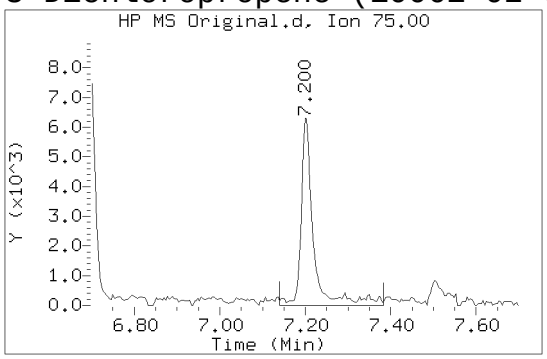
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Inj Date : 06-JUN-2023 13:50
InstruID : VOA9.i
LabSampID : VSTD002

trans-1,3-Dichloropropene (10061-02-6)

Reason Code:

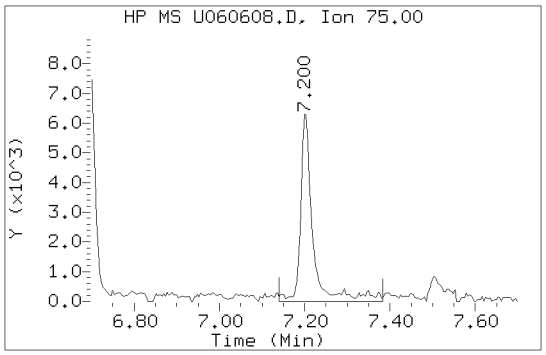
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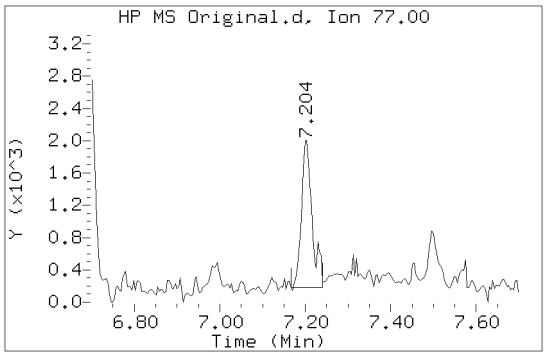
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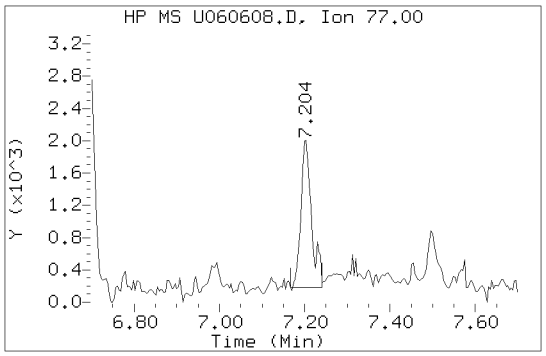
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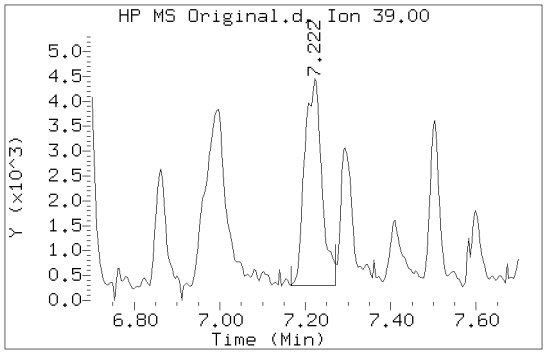
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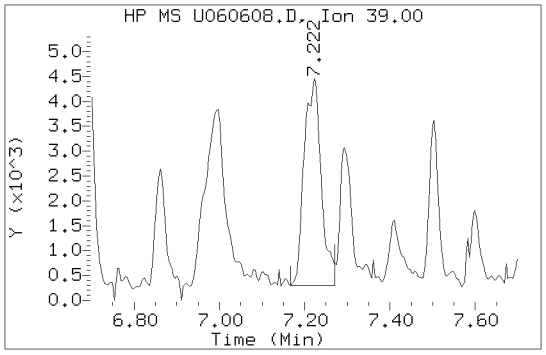
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AFTER

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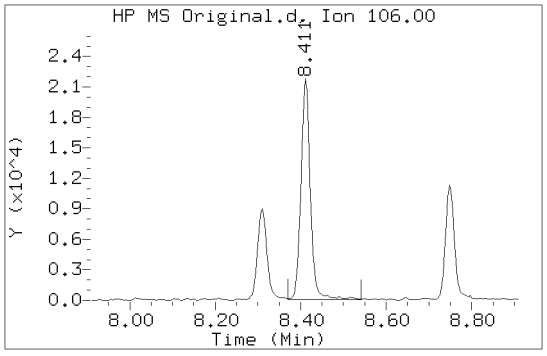


m,p-Xylenes ()

Reason Code:

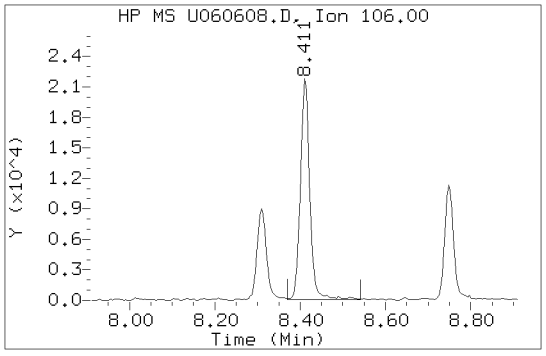
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AFTER

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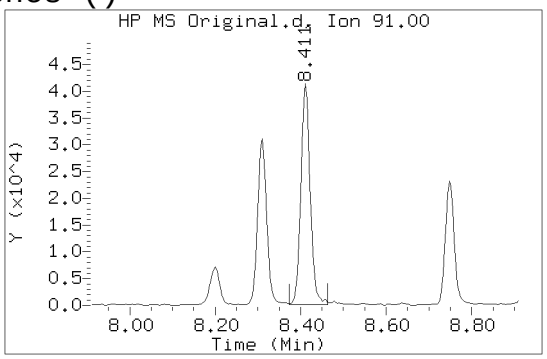
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Inj Date : 06-JUN-2023 13:50
InstruID : VOA9.i
LabSampID : VSTD002

m,p-Xylenes ()

Reason Code:

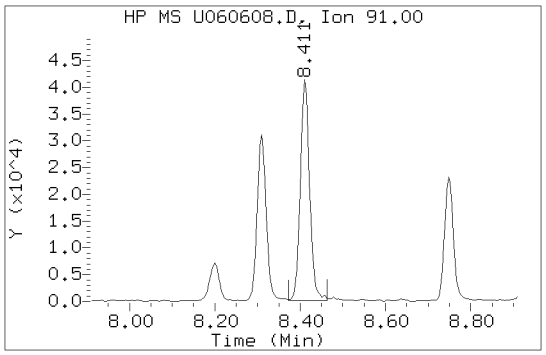
BEFORE

MASS
91
AREA
63741
HEIGHT
41264
08-Jun-2023
14:56
linh
pham



AFTER

MASS
91
AREA
63741
HEIGHT
41264
13-Jun-2023
13:00
linh
pham

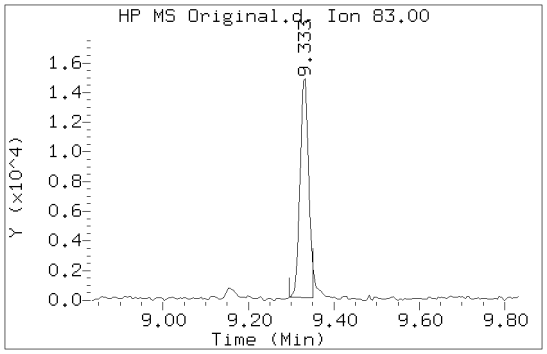


1,1,2,2-Tetrachloroethane (79-34-5)

Reason Code:

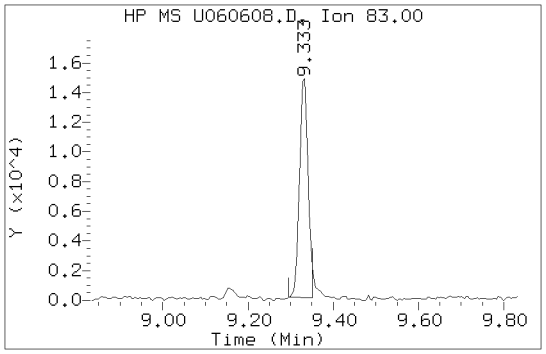
BEFORE

MASS
83
AREA
21290
HEIGHT
14748
08-Jun-2023
14:56
linh
pham



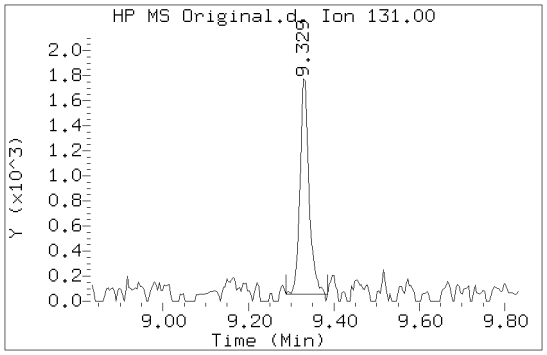
AFTER

MASS
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AREA
21290
HEIGHT
14748
13-Jun-2023
13:00
linh
pham



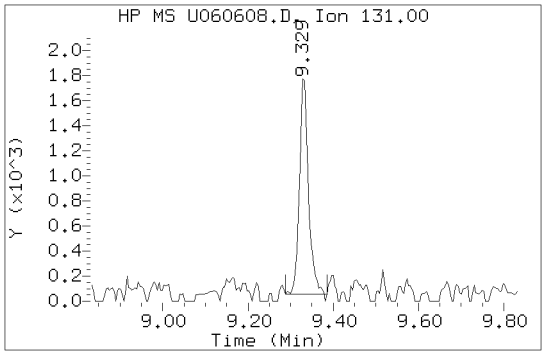
BEFORE

MASS
131
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2587
HEIGHT
1718
08-Jun-2023
14:56
linh
pham



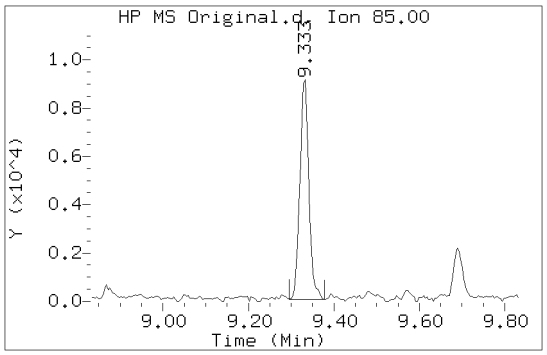
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1718
13-Jun-2023
13:00
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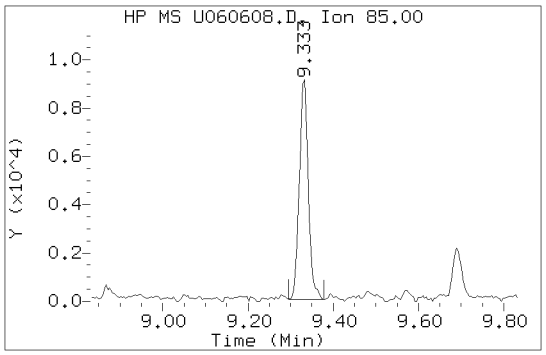
BEFORE

MASS
85
AREA
13620
HEIGHT
9094
08-Jun-2023
14:56
linh
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AFTER

MASS
85
AREA
13620
HEIGHT
9094
13-Jun-2023
13:00
linh
pham



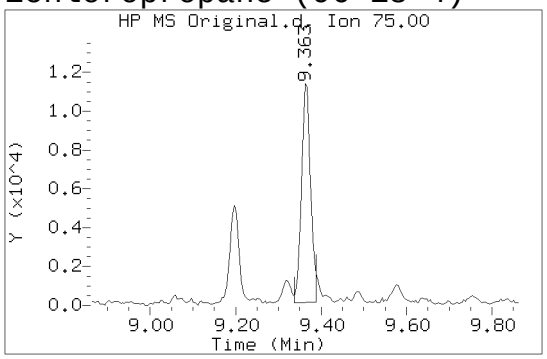
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Inj Date : 06-JUN-2023 13:50
InstruID : VOA9.i
LabSampID : VSTD002

1,2,3-Trichloropropane (96-18-4)

Reason Code:

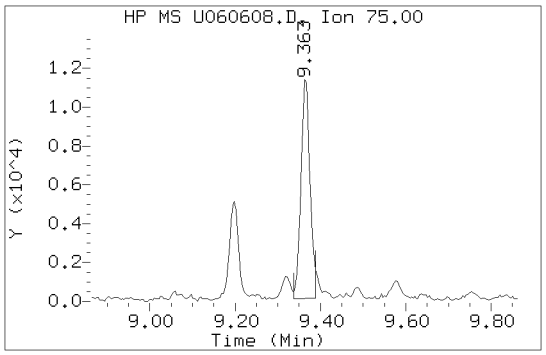
BEFORE

MASS
75
AREA
17163
HEIGHT
11263
08-Jun-2023
14:56
linh
pham



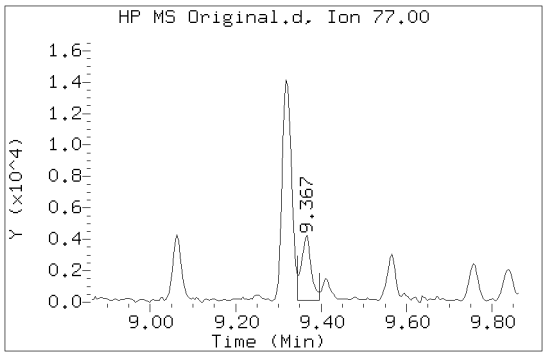
AFTER

MASS
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HEIGHT
11263
13-Jun-2023
13:00
linh
pham



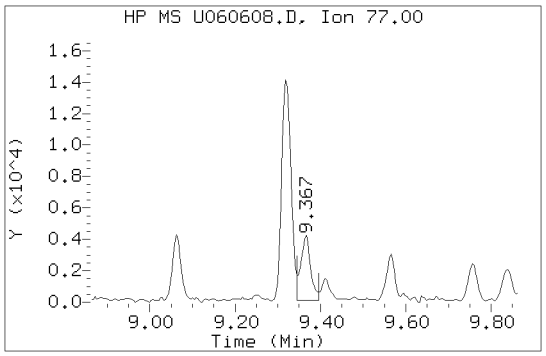
BEFORE

MASS
77
AREA
7018
HEIGHT
4115
08-Jun-2023
14:56
linh
pham



AFTER

MASS
77
AREA
7018
HEIGHT
4115
13-Jun-2023
13:00
linh
pham

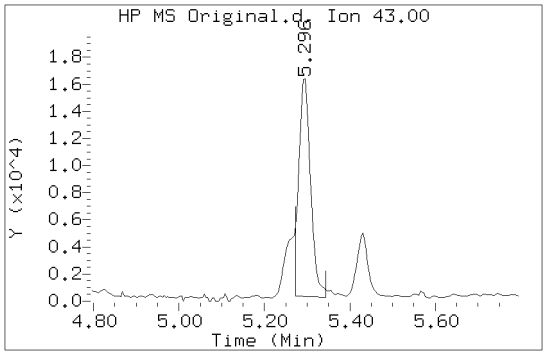


Isobutyl Alcohol (78-83-1)

Reason Code:

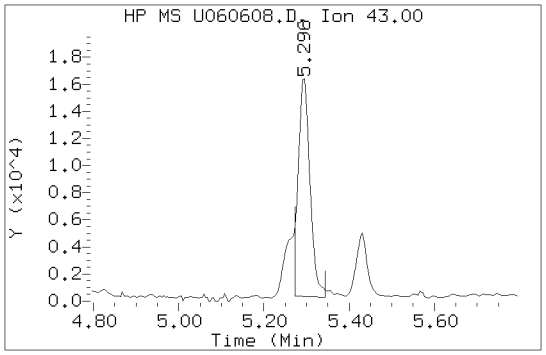
BEFORE

MASS
43
AREA
31429
HEIGHT
16036
08-Jun-2023
14:56
linh
pham



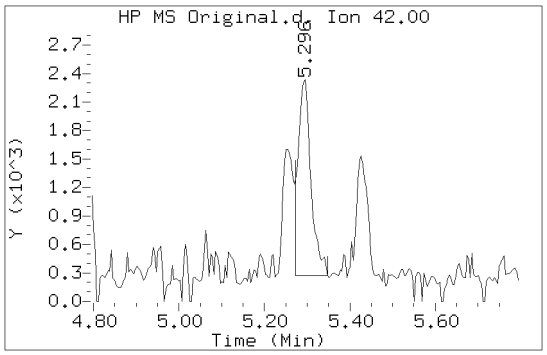
AFTER

MASS
43
AREA
31429
HEIGHT
16036
13-Jun-2023
13:00
linh
pham



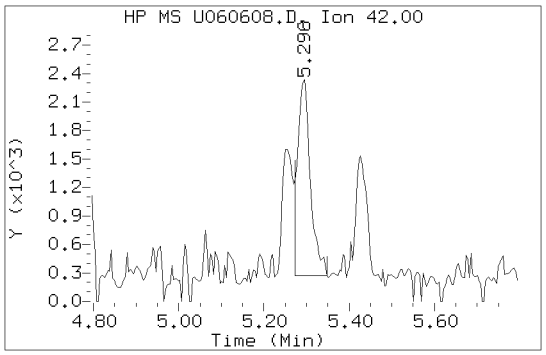
BEFORE

MASS
42
AREA
4414
HEIGHT
2065
08-Jun-2023
14:56
linh
pham



AFTER

MASS
42
AREA
4414
HEIGHT
2065
13-Jun-2023
13:00
linh
pham



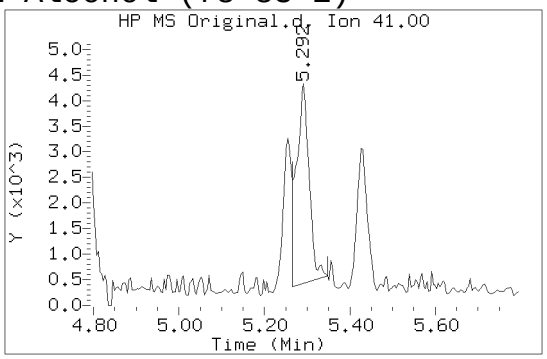
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Inj Date : 06-JUN-2023 13:50
InstruID : VOA9.i
LabSampID : VSTD002

Isobutyl Alcohol (78-83-1)

Reason Code:

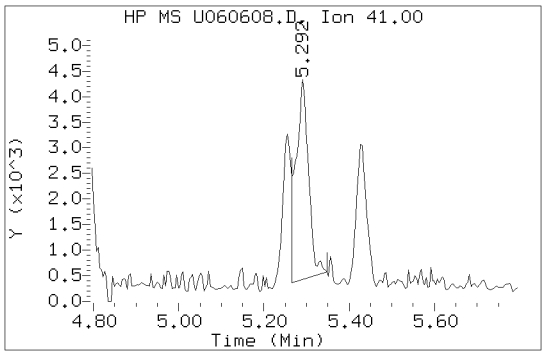
BEFORE

MASS
41
AREA
8253
HEIGHT
3899
08-Jun-2023
14:56
linh
pham



AFTER

MASS
41
AREA
8253
HEIGHT
3899
13-Jun-2023
13:00
linh
pham

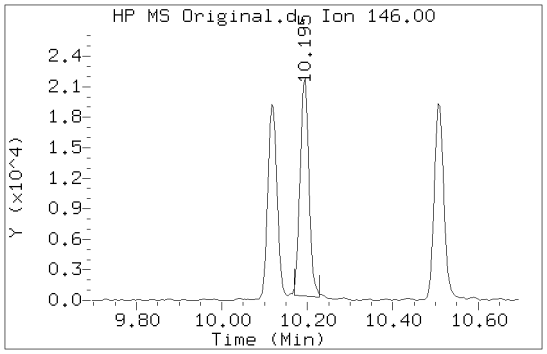


1,4-Dichlorobenzene (106-46-7)

Reason Code:

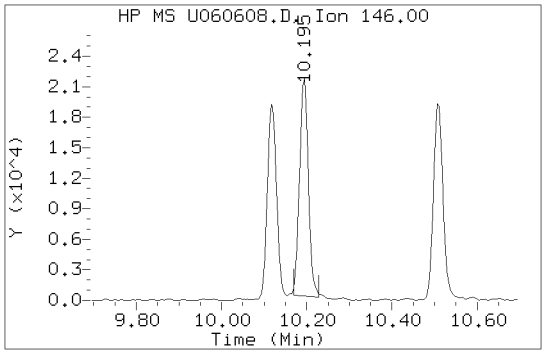
BEFORE

MASS
146
AREA
31674
HEIGHT
21370
08-Jun-2023
14:56
linh
pham



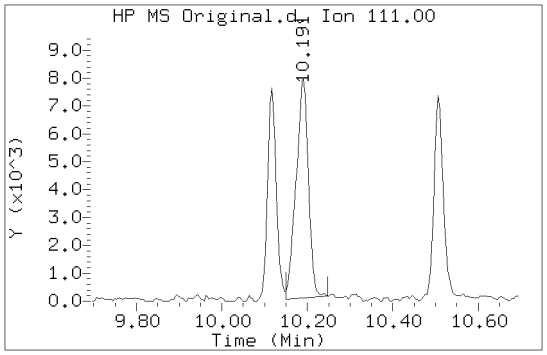
AFTER

MASS
146
AREA
31674
HEIGHT
21370
13-Jun-2023
13:00
linh
pham



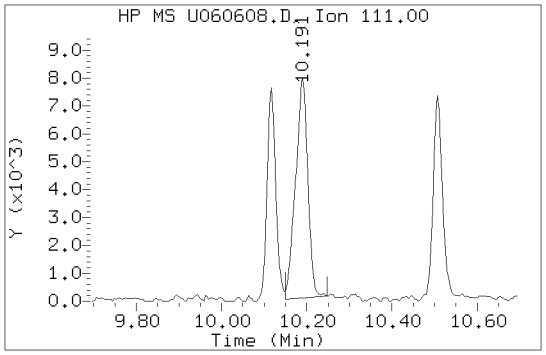
BEFORE

MASS
111
AREA
16075
HEIGHT
7847
08-Jun-2023
14:56
linh
pham



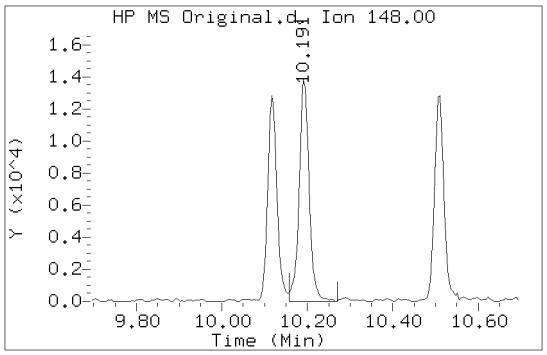
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HEIGHT
7847
13-Jun-2023
13:00
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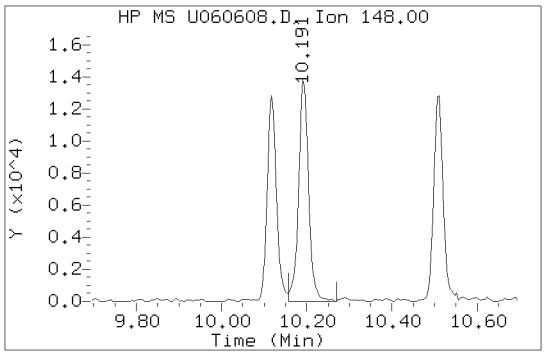
BEFORE

MASS
148
AREA
23144
HEIGHT
13826
08-Jun-2023
14:56
linh
pham



AFTER

MASS
148
AREA
23144
HEIGHT
13826
13-Jun-2023
13:00
linh
pham



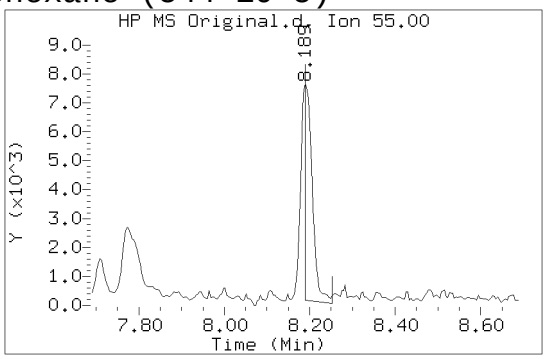
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Inj Date : 06-JUN-2023 13:50
InstruID : VOA9.i
LabSampID : VSTD002

1-Chlorohexane (544-10-5)

Reason Code:

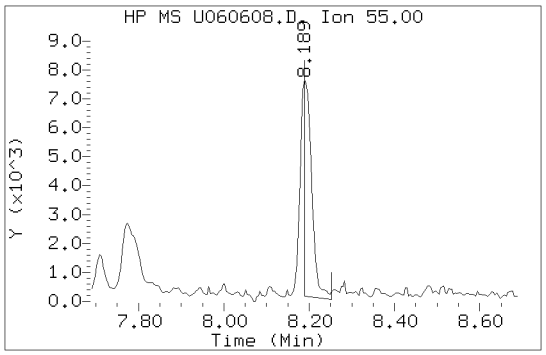
BEFORE

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AREA
9554
HEIGHT
7479
08-Jun-2023
14:56
linh
pham



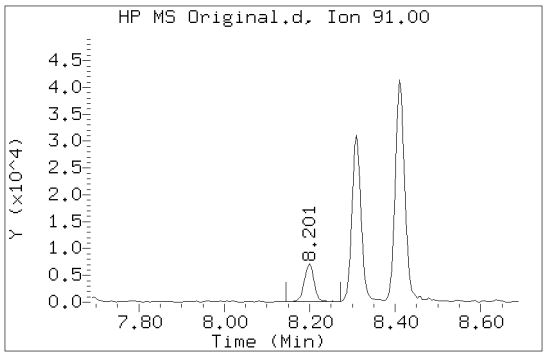
AFTER

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7479
13-Jun-2023
13:00
linh
pham



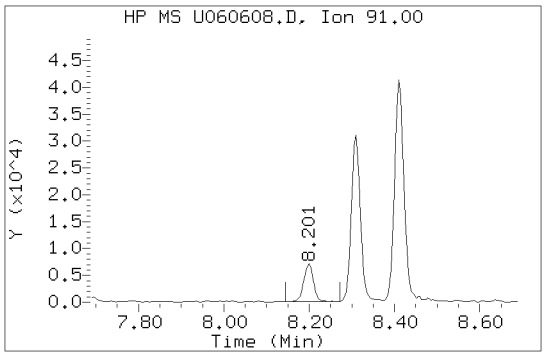
BEFORE

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11373
HEIGHT
7051
08-Jun-2023
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AFTER

MASS
91
AREA
11373
HEIGHT
7051
13-Jun-2023
13:00
linh
pham

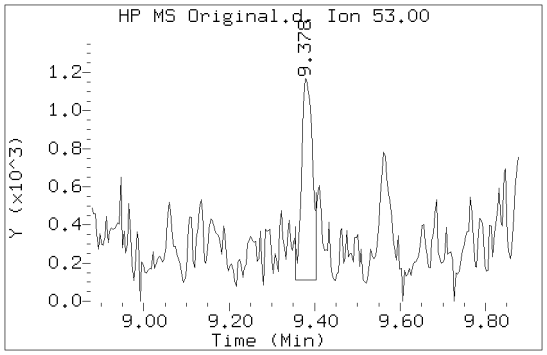


trans-1,4-Dichloro-2-butene (110-57-6)

Reason Code:

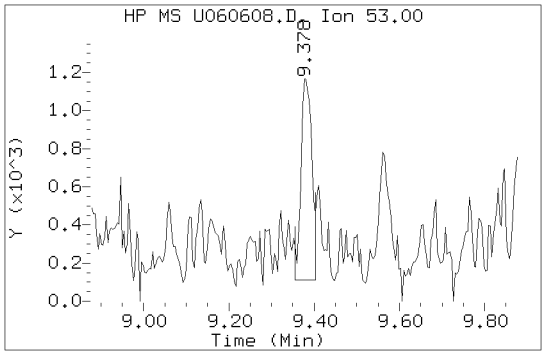
BEFORE

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53
AREA
1936
HEIGHT
1056
08-Jun-2023
14:56
linh
pham



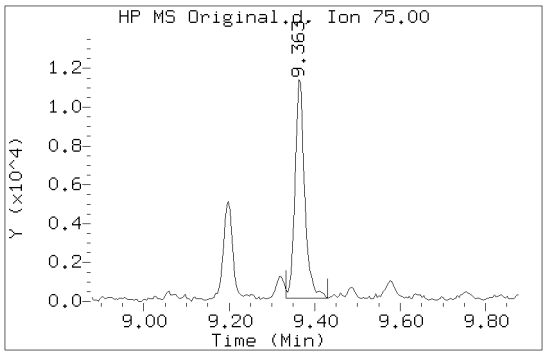
AFTER

MASS
53
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HEIGHT
1056
13-Jun-2023
13:00
linh
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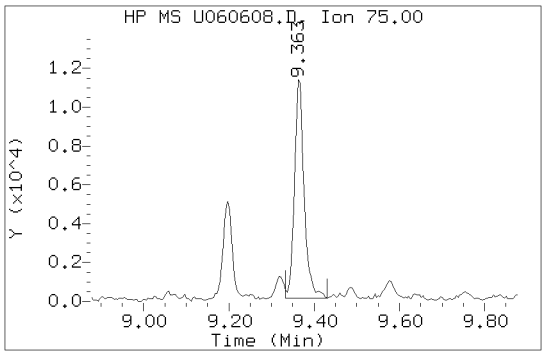
BEFORE

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AREA
18151
HEIGHT
11253
08-Jun-2023
14:56
linh
pham



AFTER

MASS
75
AREA
18151
HEIGHT
11253
13-Jun-2023
13:00
linh
pham

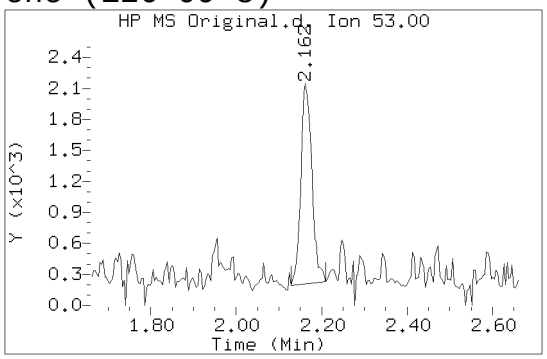


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Inj Date : 06-JUN-2023 13:50
InstruID : VOA9.i
LabSampID : VSTD002

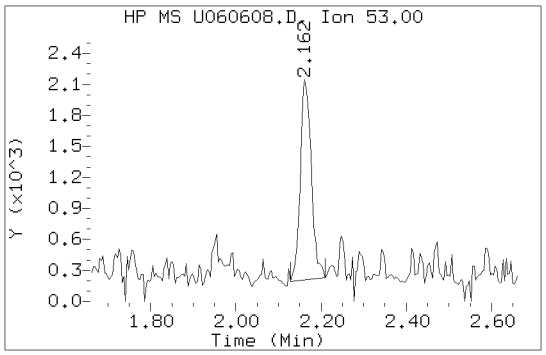
Chloroprene (126-99-8)

Reason Code:

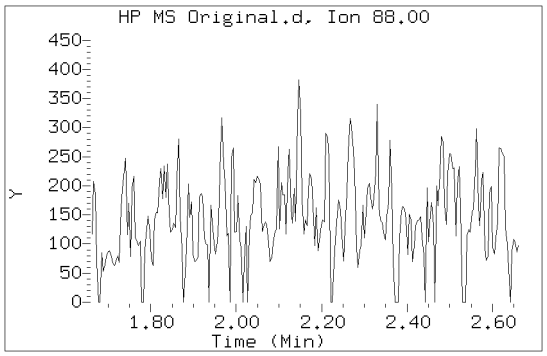
BEFORE
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AREA
3552
HEIGHT
1939
08-Jun-2023
14:56
linh
pham



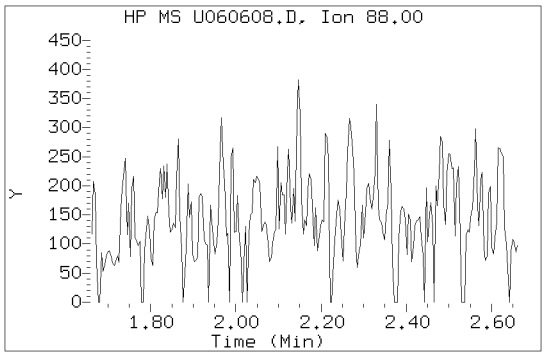
AFTER
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AREA
3552
HEIGHT
1939
13-Jun-2023
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BEFORE
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88
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0
HEIGHT
0
08-Jun-2023
14:56
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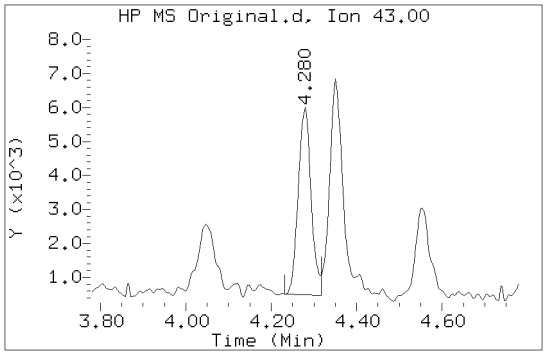
AFTER
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HEIGHT
0
13-Jun-2023
13:00
linh
pham



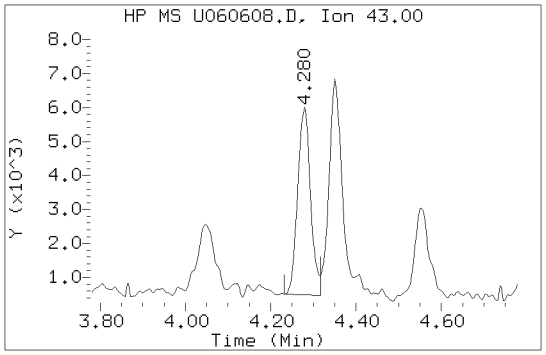
Ethyl Acetate (141-78-6)

Reason Code:

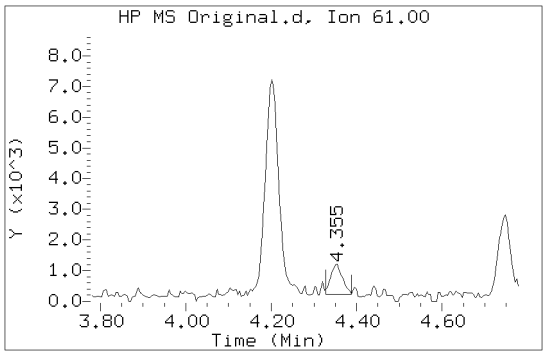
BEFORE
MASS
43
AREA
11855
HEIGHT
5517
08-Jun-2023
14:56
linh
pham



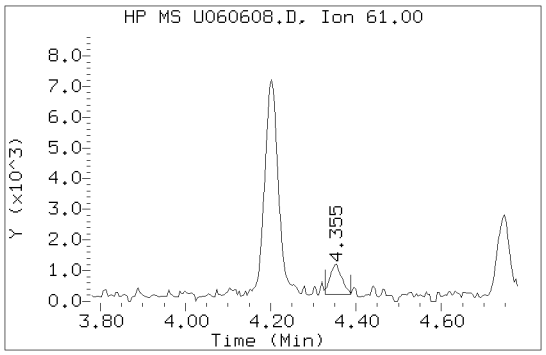
AFTER
MASS
43
AREA
11855
HEIGHT
5517
13-Jun-2023
13:00
linh
pham



BEFORE
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61
AREA
1871
HEIGHT
977
08-Jun-2023
14:56
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pham



AFTER
MASS
61
AREA
1871
HEIGHT
977
13-Jun-2023
13:00
linh
pham



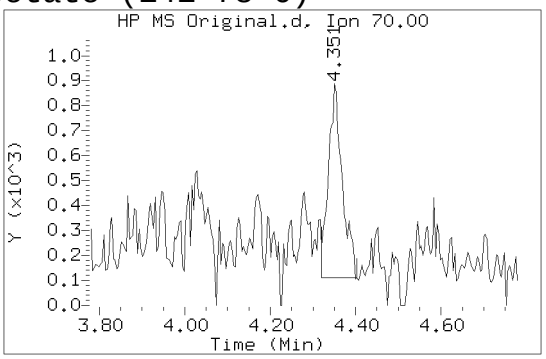
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Inj Date : 06-JUN-2023 13:50
InstruID : VOA9.i
LabSampID : VSTD002

Ethyl Acetate (141-78-6)

Reason Code:

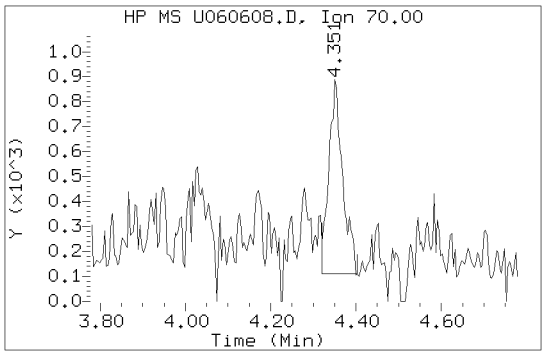
BEFORE

MASS
70
AREA
1750
HEIGHT
777
08-Jun-2023
14:56
linh
pham



AFTER

MASS
70
AREA
1750
HEIGHT
777
13-Jun-2023
13:00
linh
pham

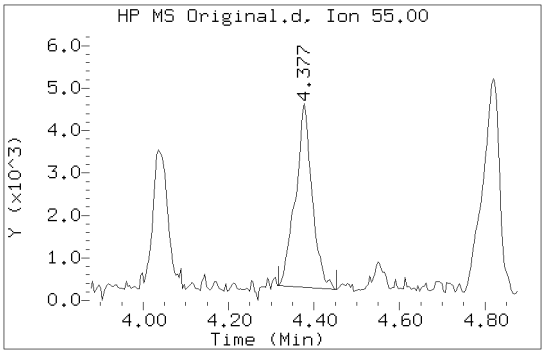


Methyl Acrylate (96-33-3)

Reason Code:

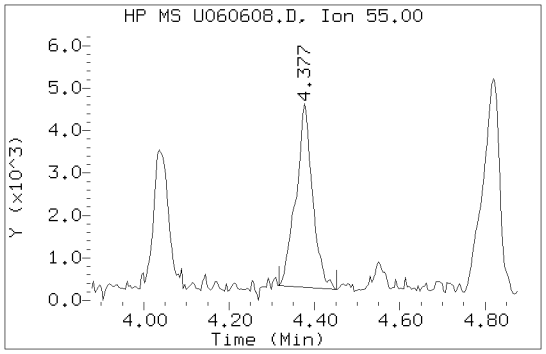
BEFORE

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HEIGHT
4323
08-Jun-2023
14:56
linh
pham



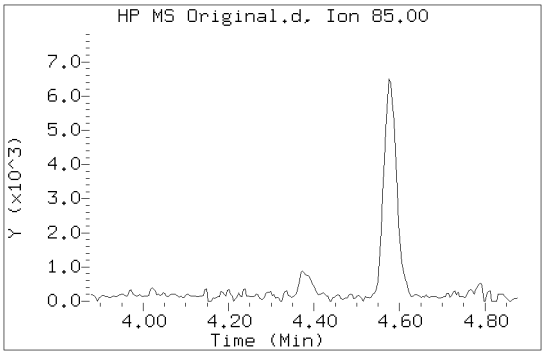
AFTER

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AREA
11843
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4323
13-Jun-2023
13:00
linh
pham



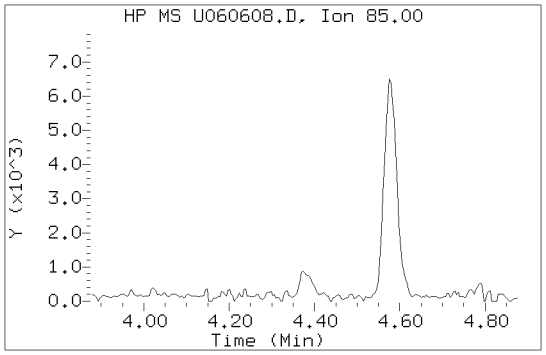
BEFORE

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AREA
0
HEIGHT
0
08-Jun-2023
14:56
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pham



AFTER

MASS
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AREA
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HEIGHT
0
13-Jun-2023
13:00
linh
pham

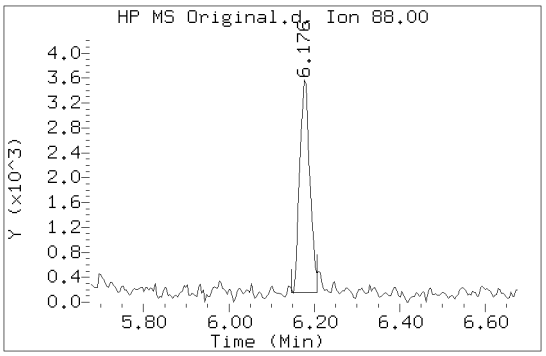


1,4-Dioxane ()

Reason Code:

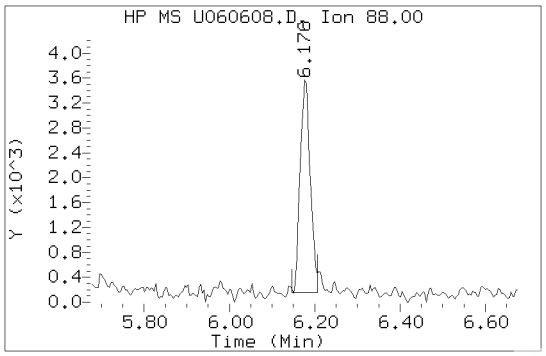
BEFORE

MASS
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AREA
5764
HEIGHT
3411
08-Jun-2023
14:56
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AFTER

MASS
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AREA
5764
HEIGHT
3411
13-Jun-2023
13:00
linh
pham



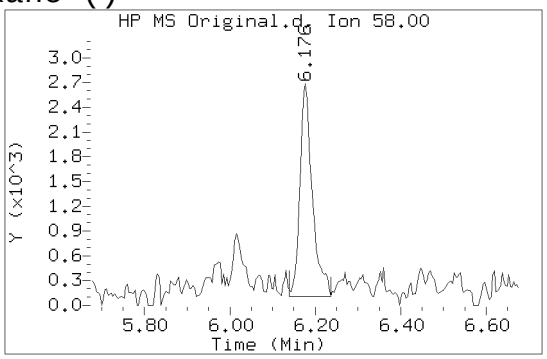
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Inj Date : 06-JUN-2023 13:50
InstruID : VOA9.i
LabSampID : VSTD002

1,4-Dioxane ()

Reason Code:

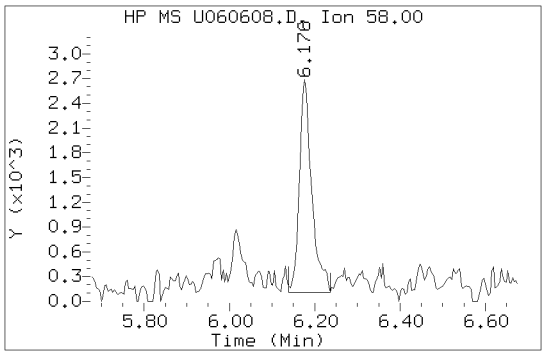
BEFORE

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HEIGHT
2575
08-Jun-2023
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AFTER

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AREA
5271
HEIGHT
2575
13-Jun-2023
13:00
linh
pham

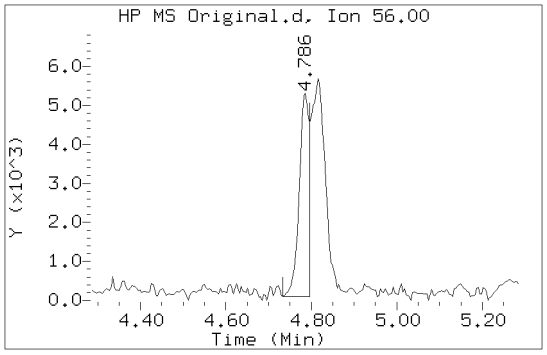


Cyclohexane (110-82-7)

Reason Code:

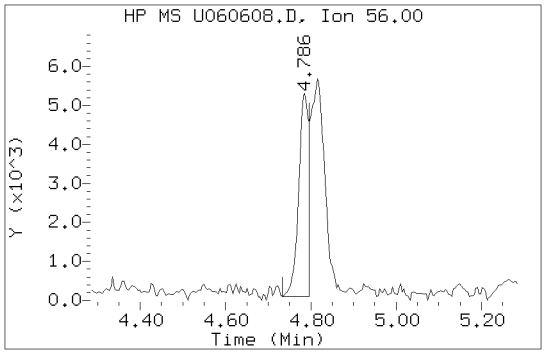
BEFORE

MASS
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AREA
8877
HEIGHT
5201
08-Jun-2023
14:56
linh
pham



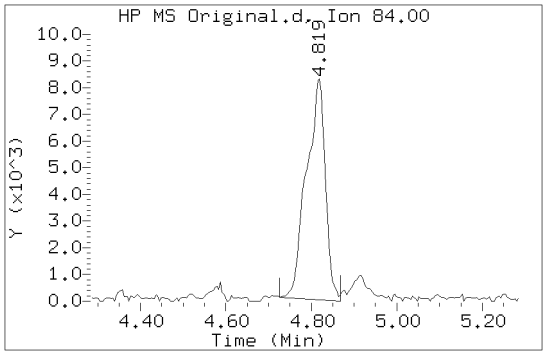
AFTER

MASS
56
AREA
8877
HEIGHT
5201
13-Jun-2023
13:00
linh
pham



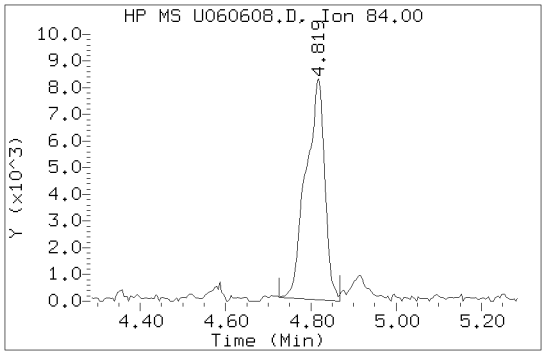
BEFORE

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AREA
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HEIGHT
8278
08-Jun-2023
14:56
linh
pham



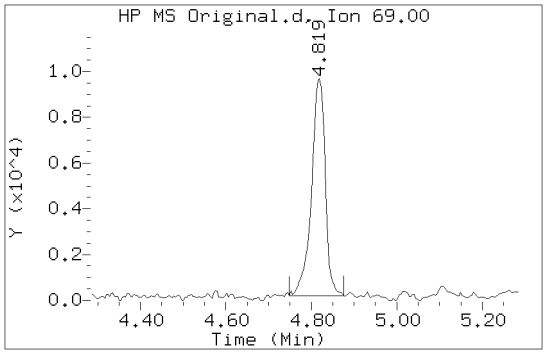
AFTER

MASS
84
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HEIGHT
8278
13-Jun-2023
13:00
linh
pham



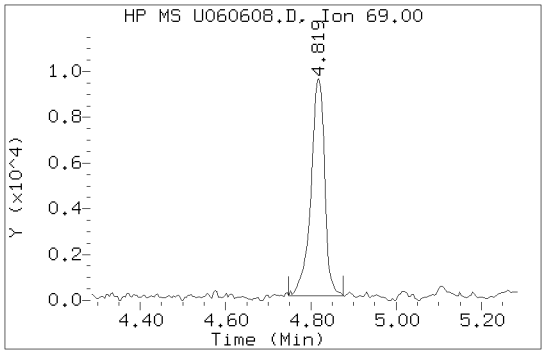
BEFORE

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69
AREA
21405
HEIGHT
9491
08-Jun-2023
14:56
linh
pham



AFTER

MASS
69
AREA
21405
HEIGHT
9491
13-Jun-2023
13:00
linh
pham



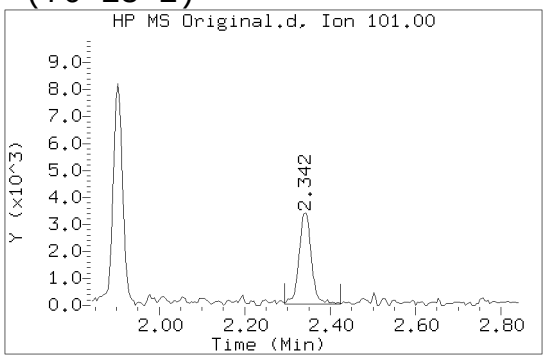
Data File : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060608.D
Inj Date : 06-JUN-2023 13:50
InstruID : VOA9.i
LabSampID : VSTD002

Freon TF (76-13-1)

Reason Code:

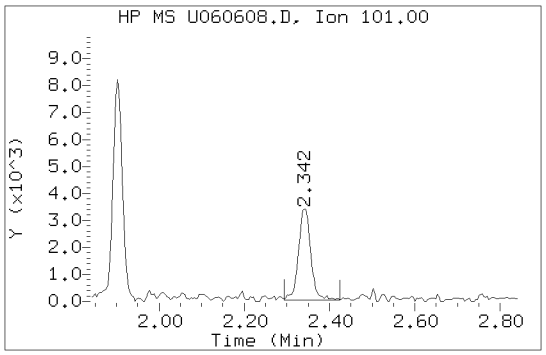
BEFORE

MASS
101
AREA
6997
HEIGHT
3366
08-Jun-2023
14:56
linh
pham



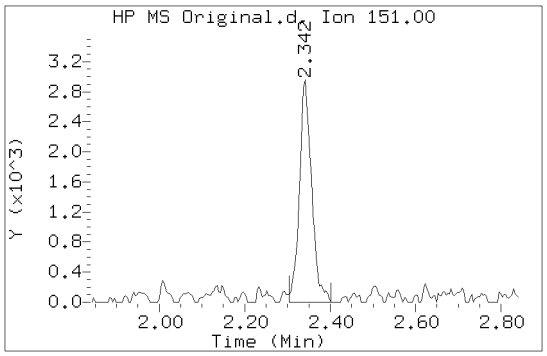
AFTER

MASS
101
AREA
6997
HEIGHT
3366
13-Jun-2023
13:00
linh
pham



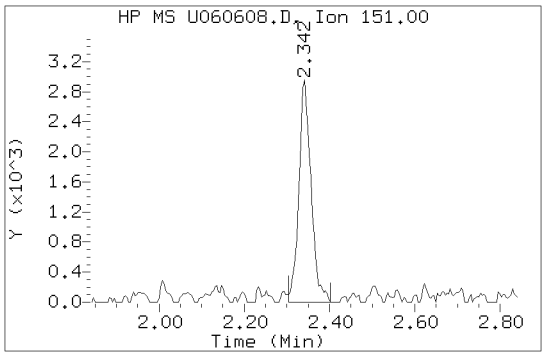
BEFORE

MASS
151
AREA
5971
HEIGHT
2957
08-Jun-2023
14:56
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AFTER

MASS
151
AREA
5971
HEIGHT
2957
13-Jun-2023
13:00
linh
pham

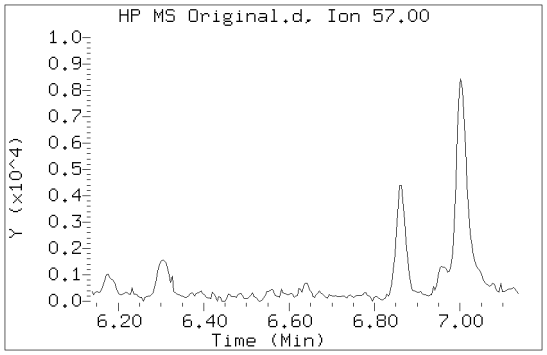


Epichlorohydrin (106-89-8)

Reason Code:

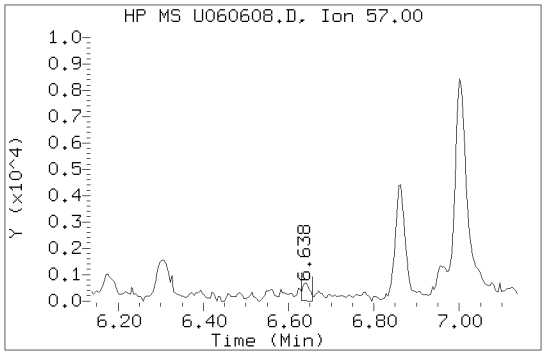
BEFORE

MASS
57
AREA
0
HEIGHT
0
08-Jun-2023
14:56
linh
pham



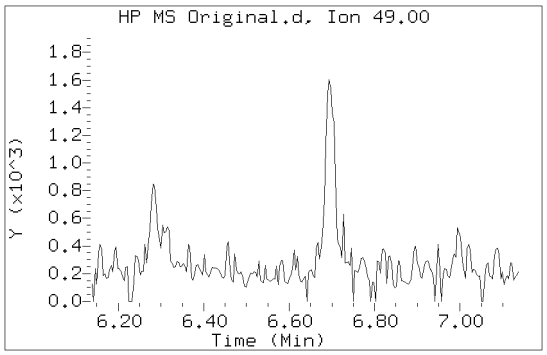
AFTER

MASS
57
AREA
854
HEIGHT
671
13-Jun-2023
13:00
linh
pham



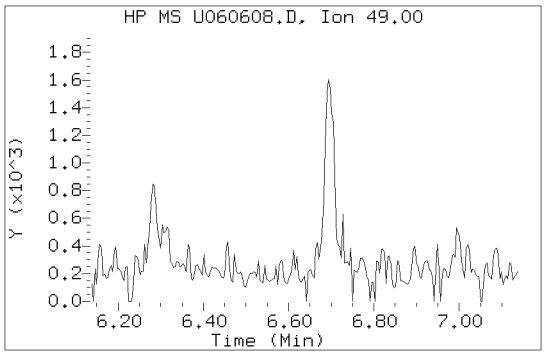
BEFORE

MASS
49
AREA
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HEIGHT
0
08-Jun-2023
14:56
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pham



AFTER

MASS
49
AREA
0
HEIGHT
0
13-Jun-2023
13:00
linh
pham

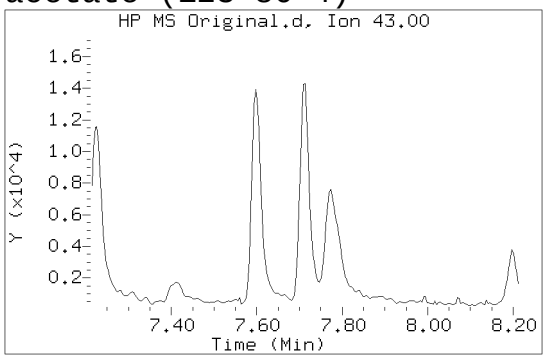


Data File : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060608.D
Inj Date : 06-JUN-2023 13:50
InstruID : VOA9.i
LabSampID : VSTD002

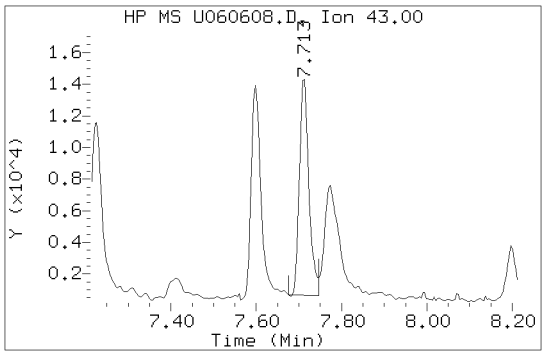
n-Butyl acetate (123-86-4)

Reason Code:

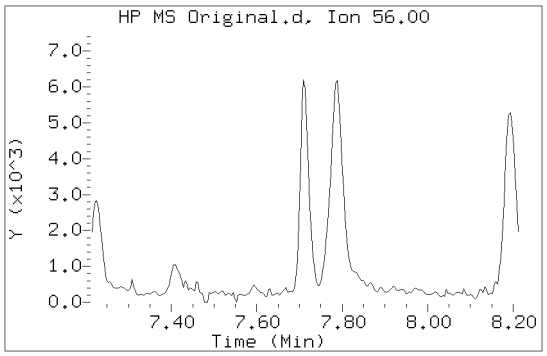
BEFORE
MASS
43
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HEIGHT
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08-Jun-2023
14:56
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pham



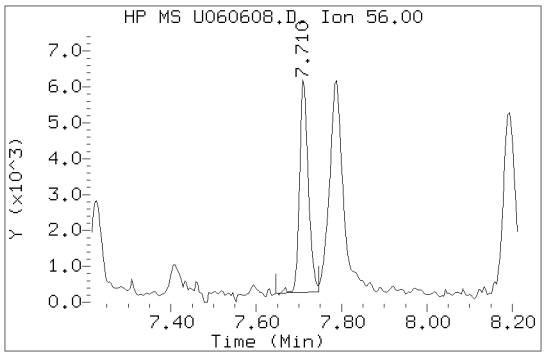
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13-Jun-2023
13:00
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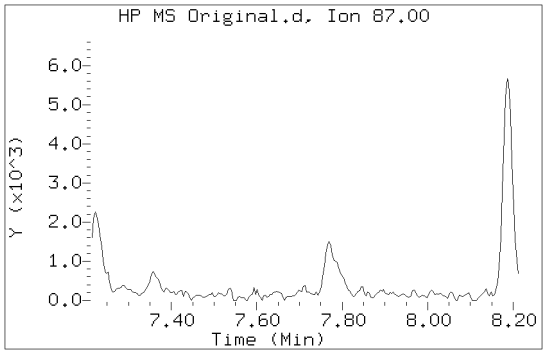
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08-Jun-2023
14:56
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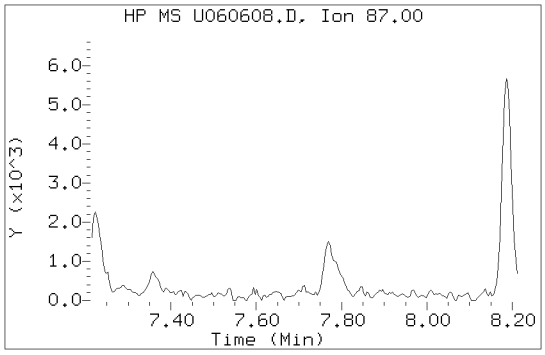
AFTER
MASS
56
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HEIGHT
5924
13-Jun-2023
13:00
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pham



BEFORE
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0
HEIGHT
0
08-Jun-2023
14:56
linh
pham



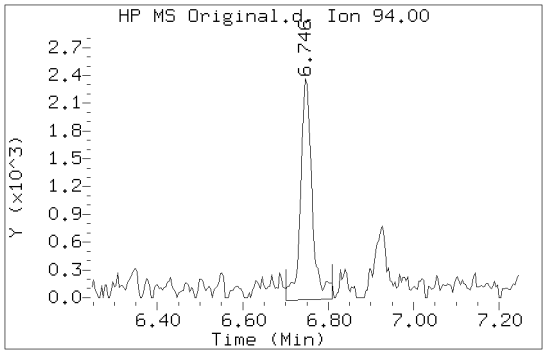
AFTER
MASS
87
AREA
0
HEIGHT
0
13-Jun-2023
13:00
linh
pham



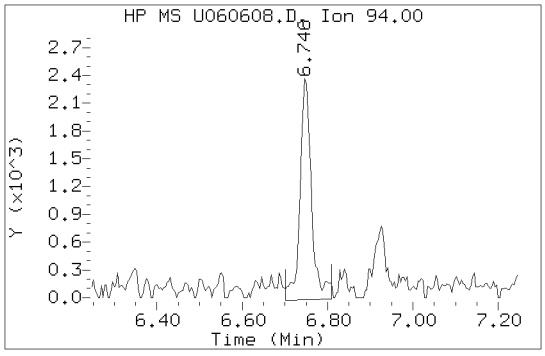
Dimethyl Disulfide (624-92-0)

Reason Code:

BEFORE
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94
AREA
4598
HEIGHT
2385
08-Jun-2023
14:56
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pham



AFTER
MASS
94
AREA
4598
HEIGHT
2385
13-Jun-2023
13:00
linh
pham



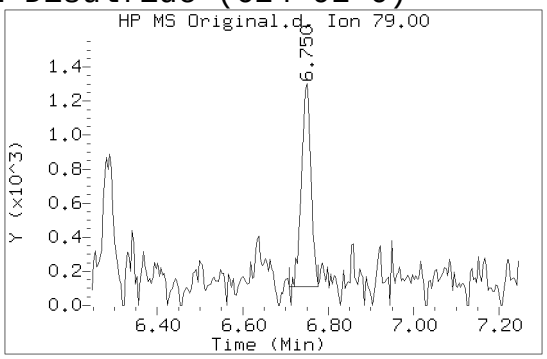
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Inj Date : 06-JUN-2023 13:50
InstruID : VOA9.i
LabSampID : VSTD002

Dimethyl Disulfide (624-92-0)

Reason Code:

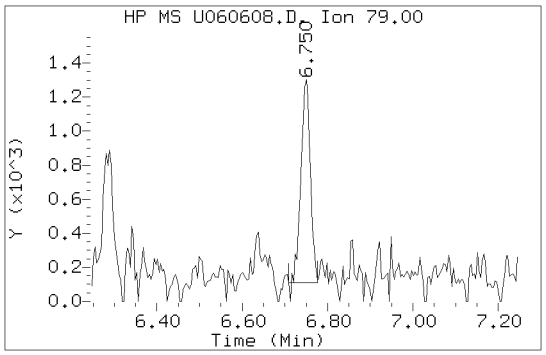
BEFORE

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79
AREA
1852
HEIGHT
1191
08-Jun-2023
14:56
linh
pham



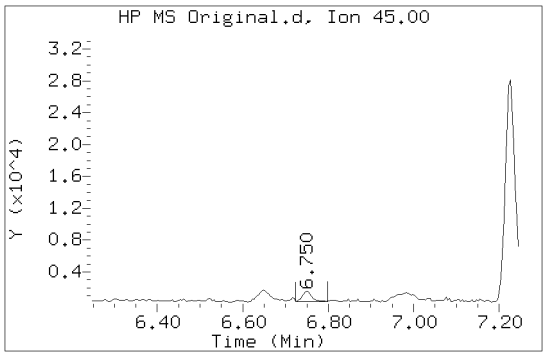
AFTER

MASS
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HEIGHT
1191
13-Jun-2023
13:00
linh
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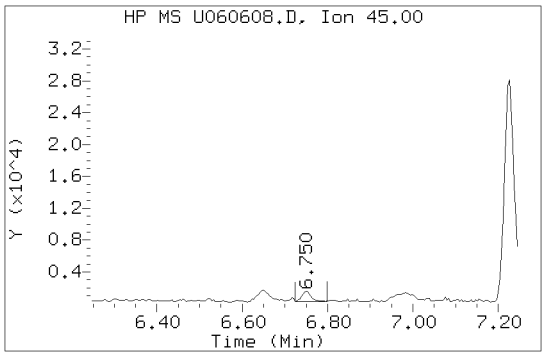
BEFORE

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HEIGHT
1245
08-Jun-2023
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pham



AFTER

MASS
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AREA
1888
HEIGHT
1245
13-Jun-2023
13:00
linh
pham



Data File: \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060609.D Page 1
Report Date: 13-Jun-2023 13:01

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060609.D
Lab Smp Id: VSTD020 Client Smp ID: VSTD020
Inj Date : 06-JUN-2023 14:13
Operator : PC Inst ID: VOA9.i
Smp Info : VSTD020;VSTD020;1;6;
Misc Info : V9;WATER;0;1;
Comment :
Method : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\8260C.m
Meth Date : 13-Jun-2023 13:01 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 13:50 Cal File: U060608.D
Als bottle: 10 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
* 1	Pentafluorobenzene	168	4.811	4.811	(1.000)	699800	50.0000	
2	Dichlorodifluoromethane	85	1.156	1.156	(0.240)	134998	20.0000	20.92
3	Chloromethane	50	1.291	1.291	(0.268)	243997	20.0000	22.39
5	Vinyl Chloride	62	1.370	1.370	(0.285)	154975	20.0000	20.93
6	Bromomethane	94	1.614	1.614	(0.335)	85360	20.0000	21.41
7	Chloroethane	64	1.693	1.693	(0.352)	101661	20.0000	20.38
8	Trichlorofluoromethane	101	1.891	1.891	(0.393)	186610	20.0000	21.95
9	Acrolein	56	2.259	2.259	(0.469)	13555	40.0000	36.49
10	Acetone	43	2.405	2.405	(0.500)	105410	40.0000	40.65
11	1,1-Dichloroethene	96	2.326	2.326	(0.483)	106844	20.0000	20.11
15	Iodomethane	142	2.465	2.465	(0.512)	69713	40.0000	25.52
16	Acrylonitrile	53	3.061	3.061	(0.636)	100523	40.0000	38.73
17	Methylene Chloride	84	2.791	2.791	(0.580)	133454	20.0000	20.31
18	Methyl tert-butyl ether	73	3.076	3.076	(0.639)	301047	20.0000	18.48
19	Carbon Disulfide	76	2.514	2.514	(0.522)	585546	40.0000	41.23
20	trans-1,2-Dichloroethene	96	3.053	3.053	(0.635)	117673	20.0000	20.36
21	Vinyl Acetate	43	3.604	3.604	(0.749)	686124	40.0000	38.96
22	1,1-Dichloroethane	63	3.511	3.511	(0.730)	209138	20.0000	19.05
24	2-Butanone	43	4.264	4.264	(0.886)	120643	40.0000	37.81
26	2,2-Dichloropropane	77	4.178	4.178	(0.868)	139835	20.0000	19.51

27 cis-1,2-Dichloroethene	96	4.193	4.193 (0.871)	136001	20.0000	19.67
28 Chloroform	83	4.568	4.568 (0.949)	226645	20.0000	19.83

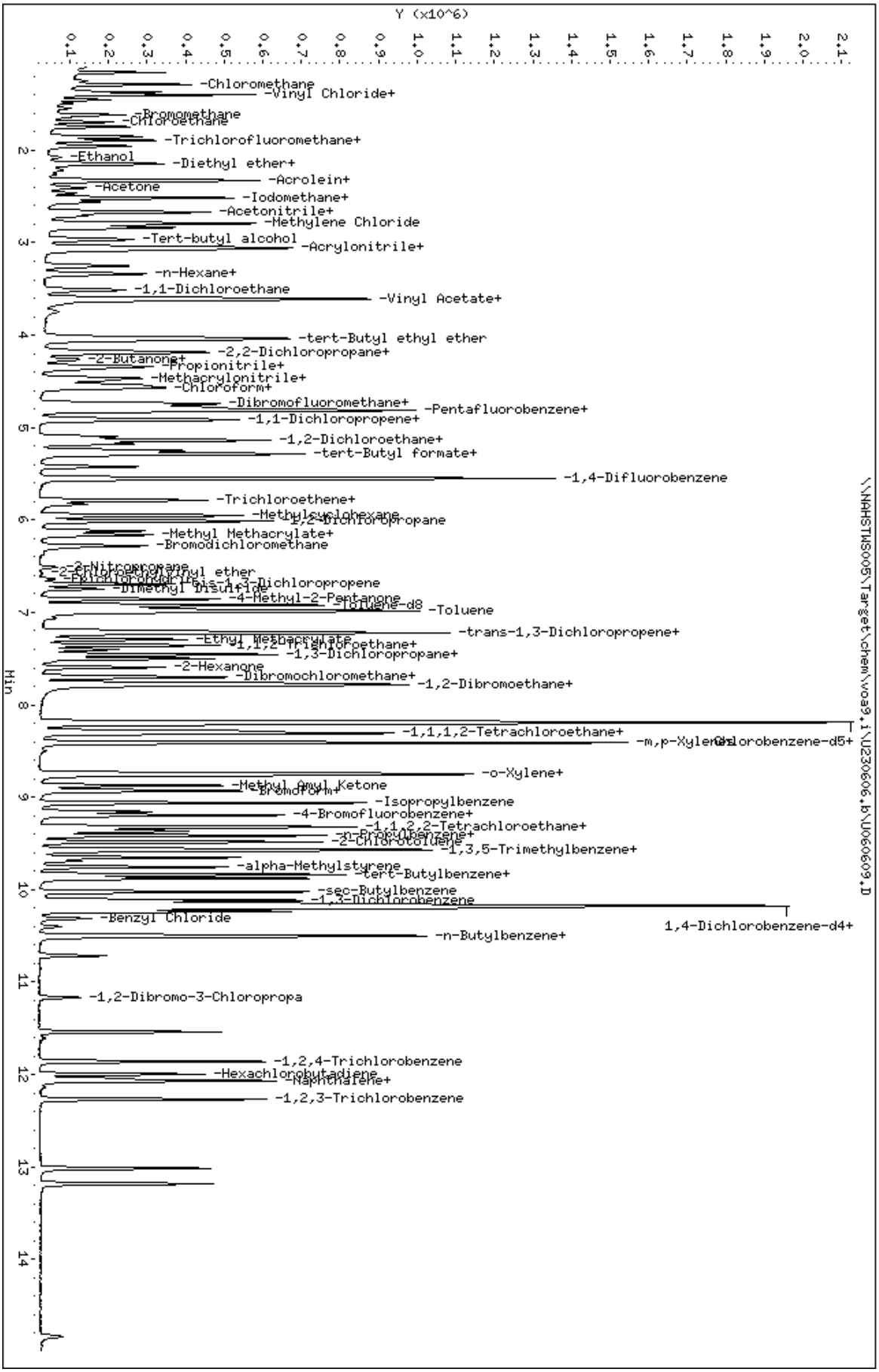
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	29 Bromochloromethane	128	4.467	4.467	(0.928)	75232	20.0000	19.46
$	30 Dibromofluoromethane	113	4.744	4.744	(0.986)	119153	20.0000	20.09
	31 1,1,1-Trichloroethane	97	4.740	4.740	(0.985)	178912	20.0000	20.54
	32 1,1-Dichloropropene	75	4.916	4.916	(0.886)	160757	20.0000	20.96
	33 1,2-Dichloroethane	62	5.175	5.175	(0.932)	178788	20.0000	19.74
	34 Carbon Tetrachloride	117	4.909	4.909	(0.885)	147458	20.0000	20.93
$	35 1,2-Dichloroethane-d4	65	5.096	5.096	(1.059)	129564	20.0000	19.98
*	36 1,4-Difluorobenzene	114	5.550	5.550	(1.000)	1046146	50.0000	
	37 Benzene	78	5.138	5.138	(0.926)	516341	20.0000	20.48
	38 Trichloroethene	130	5.786	5.786	(1.043)	145174	20.0000	19.86
	39 Bromodichloromethane	83	6.277	6.277	(1.131)	153153	20.0000	19.47
	41 2-Chloroethylvinyl ether	63	6.573	6.573	(1.184)	7046	40.0000	37.04(M)
	42 1,2-Dichloropropane	63	6.011	6.011	(1.083)	134169	20.0000	19.93
	44 Dibromomethane	93	6.120	6.120	(1.103)	83709	20.0000	19.46
	45 4-Methyl-2-Pentanone	43	6.854	6.854	(0.837)	288078	40.0000	41.20
	46 cis-1,3-Dichloropropene	75	6.693	6.693	(1.206)	176588	20.0000	18.03
*	47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	960016	50.0000	
$	48 Toluene-d8	98	6.922	6.922	(0.846)	445555	20.0000	20.50
	50 Toluene	91	6.982	6.982	(0.853)	554230	20.0000	21.28
	51 trans-1,3-Dichloropropene	75	7.199	7.199	(1.297)	143978	20.0000	17.64
	52 2-Hexanone	43	7.593	7.593	(0.928)	190529	40.0000	39.13
	53 1,1,2-Trichloroethane	83	7.357	7.357	(0.899)	107394	20.0000	19.82
	54 1,3-Dichloropropane	76	7.499	7.499	(0.916)	226819	20.0000	20.49
	55 Dibromochloromethane	129	7.694	7.694	(0.940)	128911	20.0000	20.05
	56 Tetrachloroethene	164	7.458	7.458	(0.911)	133448	20.0000	21.03
	57 1,2-Dibromoethane	107	7.784	7.784	(0.951)	132458	20.0000	19.81
	58 1-Chlorohexane	55	8.197	8.197	(1.477)	111769	20.0000	20.80
	59 Chlorobenzene	112	8.208	8.208	(1.003)	374064	20.0000	20.12
	60 1,1,1,2-Tetrachloroethane	131	8.283	8.283	(1.012)	128313	20.0000	20.08
	61 Ethylbenzene	106	8.305	8.305	(1.015)	179483	20.0000	20.75
	62 m,p-Xylenes	106	8.410	8.410	(1.027)	421040	40.0000	41.14
	63 o-Xylene	106	8.748	8.748	(1.069)	206194	20.0000	20.39
	64 Styrene	104	8.763	8.763	(1.071)	318690	20.0000	19.86
	66 Bromoform	173	8.920	8.920	(1.090)	81243	20.0000	18.72
	67 Isopropylbenzene	105	9.062	9.062	(1.107)	516146	20.0000	21.25
	68 1,1,2,2-Tetrachloroethane	83	9.329	9.329	(0.917)	178916	20.0000	19.34
$	69 4-Bromofluorobenzene	95	9.194	9.194	(1.123)	178335	20.0000	20.30
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	491623	50.0000	
	71 1,2,3-Trichloropropane	75	9.362	9.362	(0.920)	151200	20.0000	18.58
	73 n-Propylbenzene	91	9.411	9.411	(0.925)	527972	20.0000	20.47
	74 Bromobenzene	156	9.317	9.317	(0.916)	165398	20.0000	19.93
	75 1,3,5-Trimethylbenzene	105	9.561	9.561	(0.940)	338496	20.0000	19.13
	76 2-Chlorotoluene	91	9.482	9.482	(0.932)	380446	20.0000	20.98
	77 4-Chlorotoluene	91	9.576	9.576	(0.941)	415563	20.0000	20.71
	78 tert-Butylbenzene	119	9.838	9.838	(0.967)	368922	20.0000	21.23
	79 1,2,4-Trimethylbenzene	105	9.880	9.880	(0.971)	349187	20.0000	18.86
	81 sec-Butylbenzene	105	10.022	10.022	(0.985)	457784	20.0000	20.77
	82 p-Isopropyltoluene	119	10.146	10.146	(0.997)	348135	20.0000	18.85
	83 1,3-Dichlorobenzene	146	10.116	10.116	(0.994)	280647	20.0000	19.92
	84 1,4-Dichlorobenzene	146	10.191	10.191	(1.002)	292174	20.0000	19.45
	87 n-Butylbenzene	91	10.491	10.491	(1.031)	319352	20.0000	20.20
	88 1,2-Dichlorobenzene	146	10.506	10.506	(1.033)	281467	20.0000	19.92

89	1,2-Dibromo-3-Chloropropane	155	11.169	11.169 (1.098)	24061	20.0000	17.83
90	1,2,4-Trichlorobenzene	180	11.859	11.859 (1.166)	186288	20.0000	19.17

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
91	Hexachlorobutadiene	225	11.998	11.998	(1.179)	79518	20.0000	20.26
92	Naphthalene	128	12.069	12.069	(1.186)	445465	20.0000	19.73
93	1,2,3-Trichlorobenzene	180	12.271	12.271	(1.206)	186329	20.0000	19.61
M 94	1,2-Dichloroethylene (total)	96				253674	40.0000	(a)
135	1,4-Dioxane	88	6.168	6.168	(1.282)	38808	400.000	279.28(M)
141	Cyclohexane	56	4.778	4.778	(0.993)	190495	20.0000	22.56
138	Freon TF	101	2.330	2.330	(0.484)	102379	20.0000	21.78
140	1,3-Butadiene	54	1.396	1.396	(0.290)	143212	20.0000	21.60
147	Methylcyclohexane	55	5.947	5.947	(1.072)	271418	20.0000	18.70
146	Methyl Acetate	43	2.708	2.708	(0.563)	109689	20.0000	18.61
148	Tert-Butyl alcohol	59	2.963	2.963	(0.616)	255911	400.000	392.79
149	Isopropyl Alcohol	45	2.558	2.558	(0.532)	166234	400.000	363.36
72	trans-1,4-Dichloro-2-butene	53	9.377	9.377	(1.146)	18573	20.0000	16.80(M)
12	Isobutyl Alcohol	43	5.288	5.288	(1.099)	360790	400.000	396.80(M)
13	Acetonitrile	39	2.667	2.667	(0.554)	140672	200.000	185.67
14	Allyl Chloride	41	2.667	2.667	(0.554)	339917	20.0000	18.70
25	Methacrylonitrile	41	4.493	4.493	(0.934)	82790	20.0000	20.02
40	Methyl Methacrylate	41	6.157	6.157	(1.280)	116616	20.0000	19.38
4	Propionitrile	54	4.335	4.335	(0.901)	196157	200.000	193.97(a)
136	n-Hexane	57	3.338	3.338	(0.694)	131033	20.0000	22.86
194	Acetaldehyde	44	1.453	1.453	(0.302)	80793	80.0000	83.70(M)
131	Methyl Acrylate	55	4.365	4.365	(0.907)	140883	20.0000	19.03(M)
200	Dimethyl Disulfide	94	6.746	6.746	(0.824)	75368	20.0000	14.42(M)
23	Chloroprene	53	2.150	2.150	(0.447)	46564	20.0000	20.86(M)
49	Ethyl Methacrylate	69	7.293	7.293	(1.314)	174530	20.0000	19.03
166	1,2,3-Trimethylbenzene	105	10.236	10.236	(1.006)	336473	20.0000	17.80
167	Ethanol	45	2.075	2.075	(0.431)	33180	400.000	365.81
164	Dicyclopentadiene	66	10.202	10.202	(1.003)	430916	20.0000	17.96
145	alpha-Methylstyrene	118	9.756	9.756	(0.959)	141914	20.0000	17.83
142	Tetrahydrofuran	42	4.542	4.542	(0.944)	48081	40.0000	37.45
156	Diisopropyl ether	45	3.619	3.619	(0.752)	362787	20.0000	18.59
151	4-Methyl-2-pentanol	45	7.222	7.222	(1.301)	598756	400.000	384.89
150	Allyl alcohol	57	3.338	3.338	(0.694)	131033	400.000	457.76
86	Benzyl Chloride	91	10.311	10.311	(1.260)	85763	20.0000	17.37
162	Butyl acrylate	55	8.733	8.733	(1.067)	214597	20.0000	18.89
139	Diethyl ether	59	2.139	2.139	(0.445)	88209	20.0000	18.65
203	2-Ethylhexyl Acrylate	55	12.043	12.043	(1.184)	70007	20.0000	16.56
134	Cyclohexanone	55	9.156	9.156	(0.900)	110447	400.000	362.37(a)
130	Ethyl Acetate	43	4.264	4.264	(0.886)	118985	20.0000	19.02(M)
189	n-Butyl acetate	43	7.705	7.705	(0.941)	210444	20.0000	19.25(M)
182	Epichlorohydrin	57	6.637	6.637	(1.196)	5384	80.0000	62.88

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.



Data File: \\NAHSTWS005\Target\chem\voa9,i\U230606,b\U060609,D
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Column phase: DB624

Instrument: VOA9,i
Operator: PC
Column diameter: 0.18

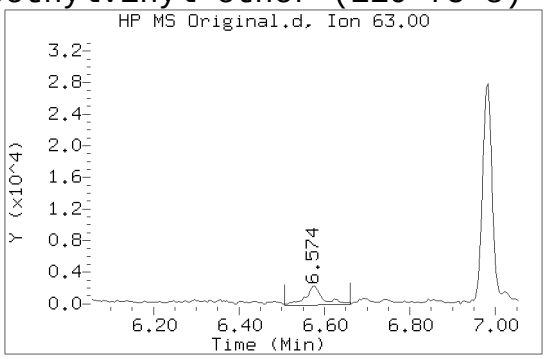
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LabSampID : VSTD020

2-Chloroethylvinyl ether (110-75-8)

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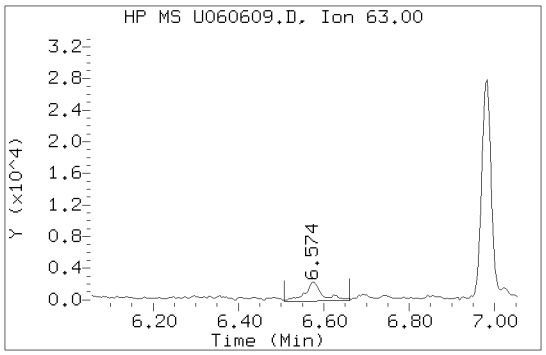
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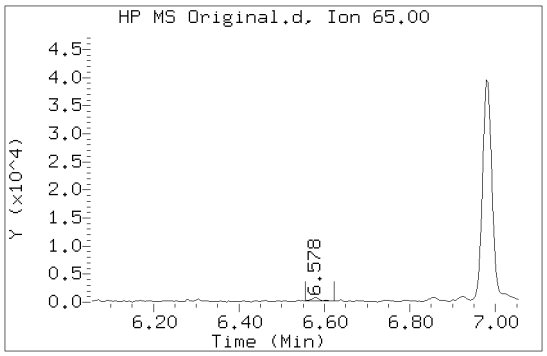
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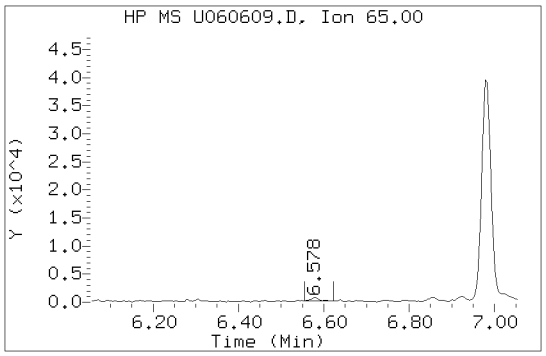
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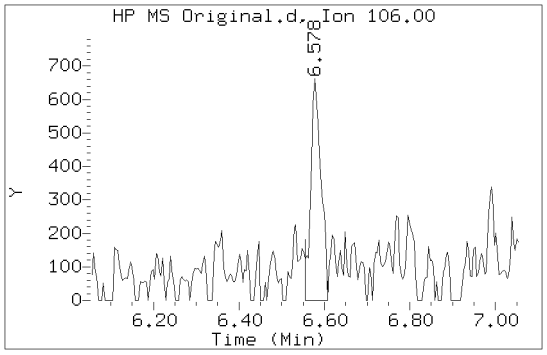
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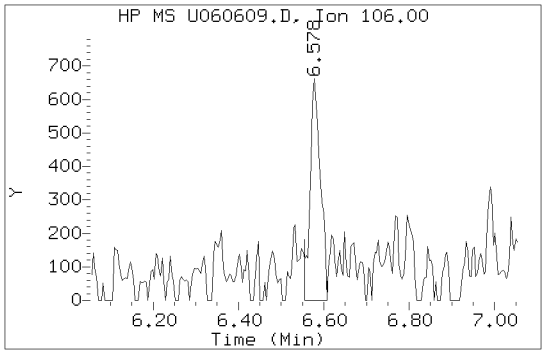
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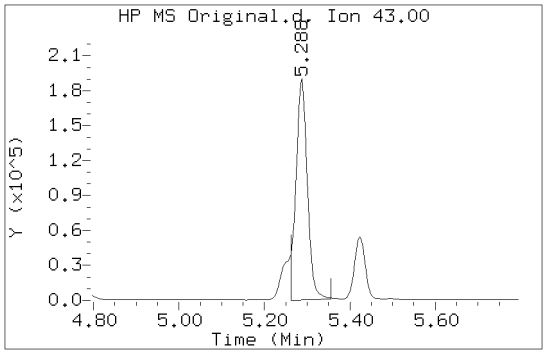


Isobutyl Alcohol (78-83-1)

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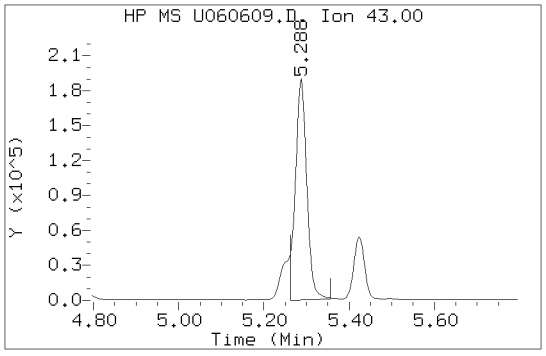
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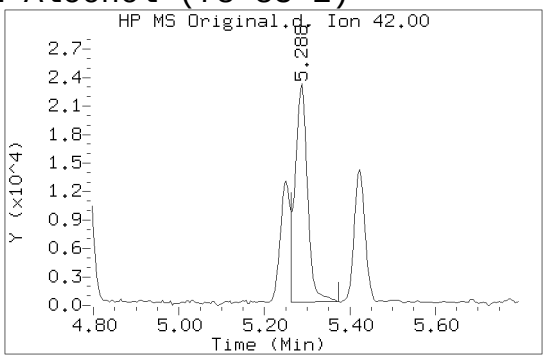


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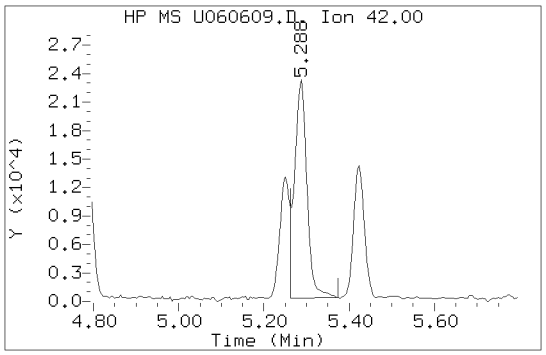
Isobutyl Alcohol (78-83-1)

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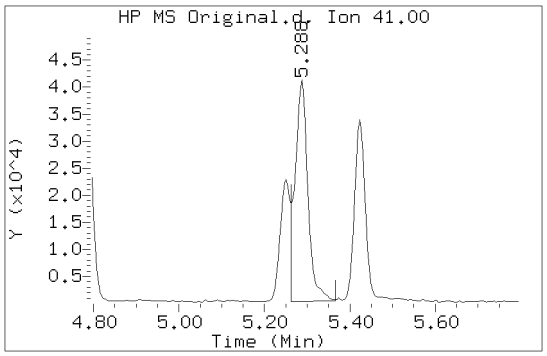
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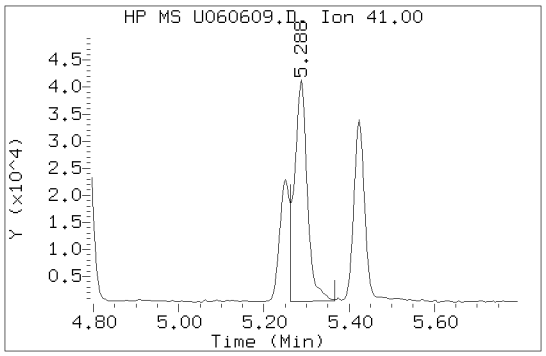
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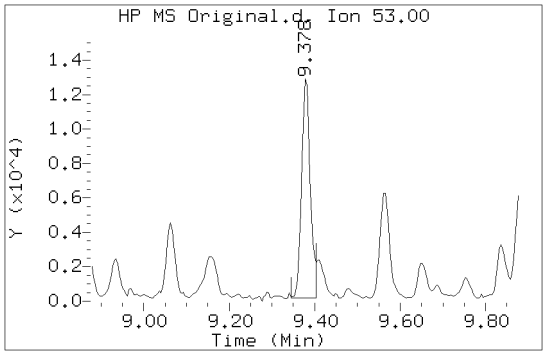
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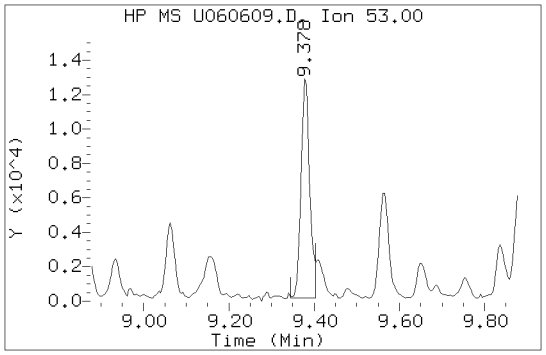
trans-1,4-Dichloro-2-butene (110-57-6)

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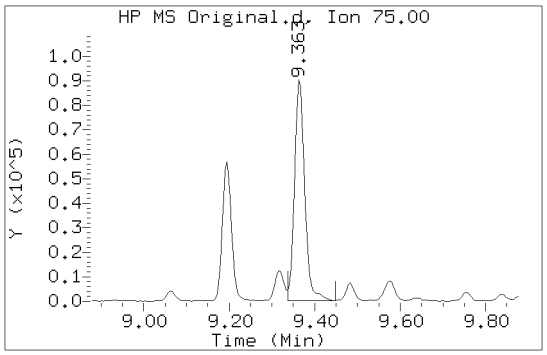
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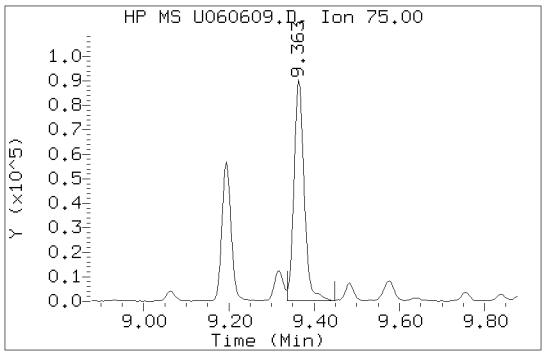
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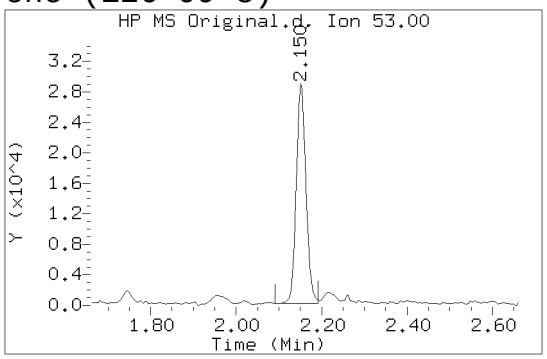


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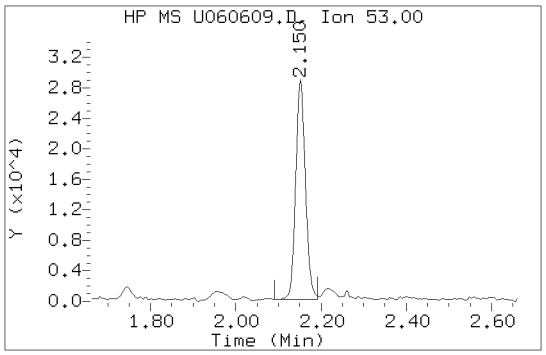
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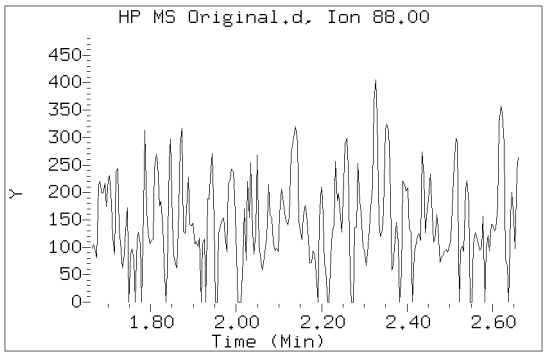
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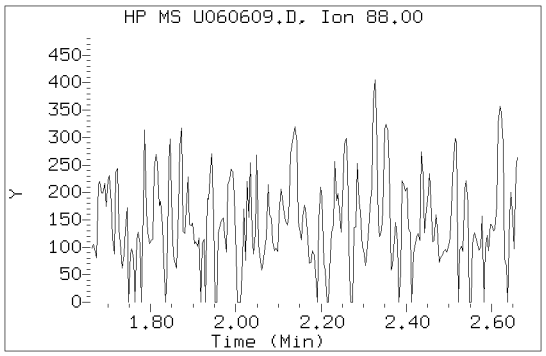
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08-Jun-2023
14:56
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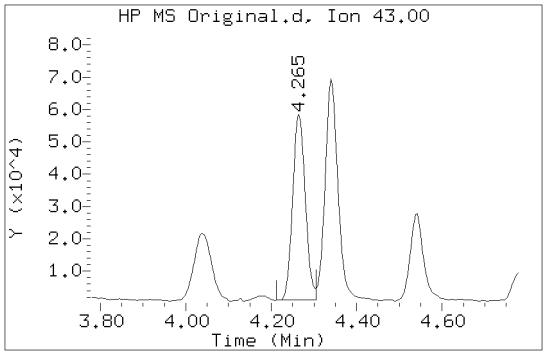
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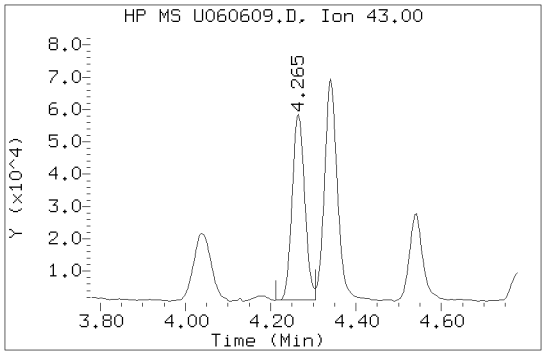
Ethyl Acetate (141-78-6)

Reason Code:

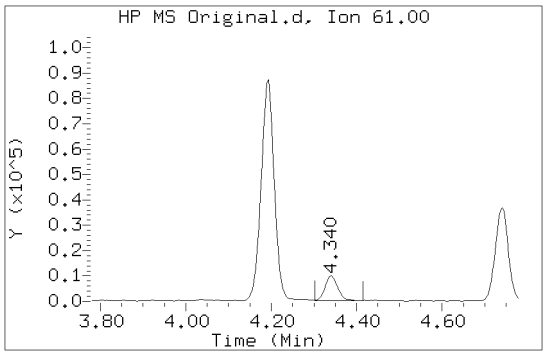
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08-Jun-2023
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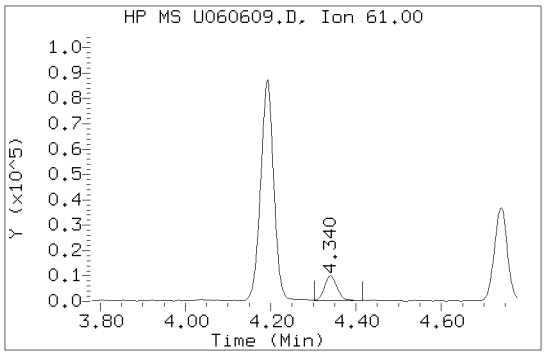
AFTER
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13-Jun-2023
13:00
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BEFORE
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20257
HEIGHT
9732
08-Jun-2023
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AFTER
MASS
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AREA
20257
HEIGHT
9732
13-Jun-2023
13:00
linh
pham



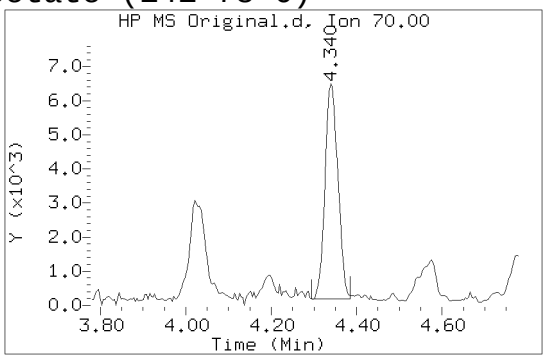
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Inj Date : 06-JUN-2023 14:13
InstruID : VOA9.i
LabSampID : VSTD020

Ethyl Acetate (141-78-6)

Reason Code:

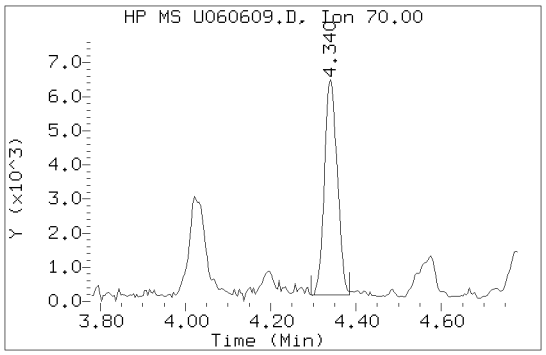
BEFORE

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70
AREA
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6309
08-Jun-2023
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AFTER

MASS
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AREA
13212
HEIGHT
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13-Jun-2023
13:00
linh
pham

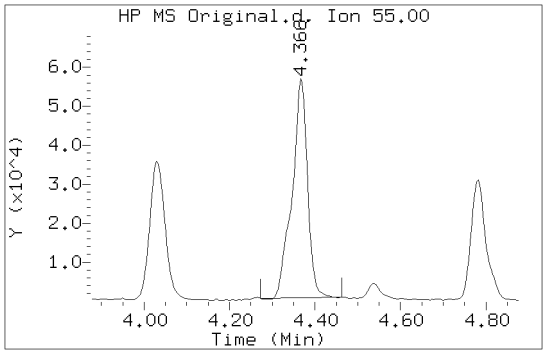


Methyl Acrylate (96-33-3)

Reason Code:

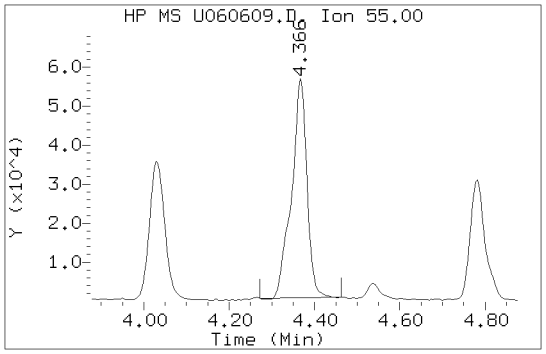
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AREA
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56149
08-Jun-2023
14:56
linh
pham



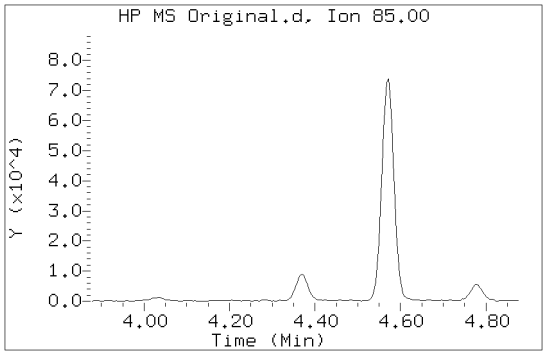
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13-Jun-2023
13:00
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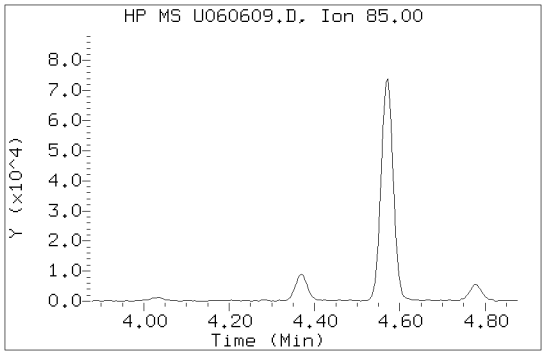
BEFORE

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HEIGHT
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08-Jun-2023
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AFTER

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HEIGHT
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13-Jun-2023
13:00
linh
pham

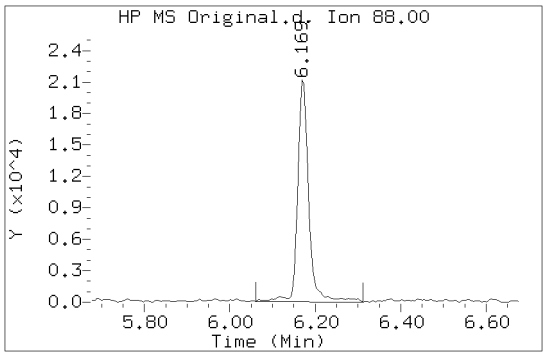


1,4-Dioxane ()

Reason Code:

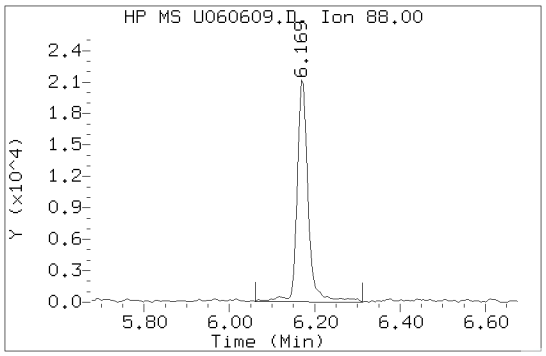
BEFORE

MASS
88
AREA
38808
HEIGHT
21163
08-Jun-2023
14:56
linh
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AFTER

MASS
88
AREA
38808
HEIGHT
21163
13-Jun-2023
13:00
linh
pham



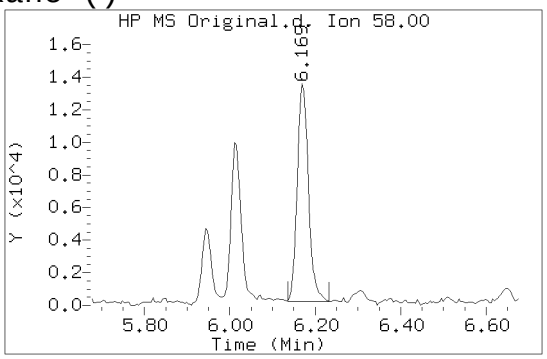
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Inj Date : 06-JUN-2023 14:13
InstruID : VOA9.i
LabSampID : VSTD020

1,4-Dioxane ()

Reason Code:

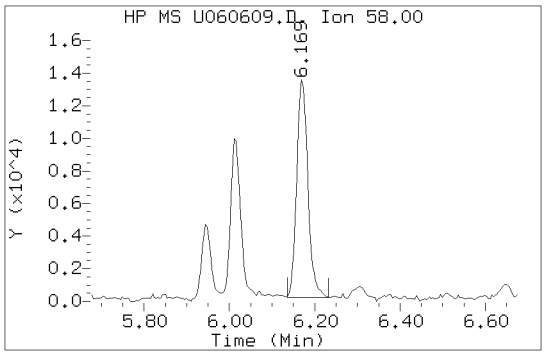
BEFORE

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13347
08-Jun-2023
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AFTER

MASS
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13347
13-Jun-2023
13:00
linh
pham

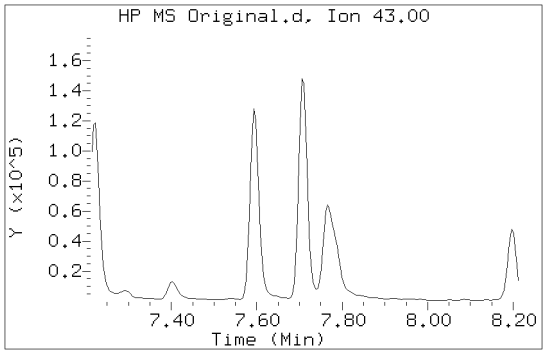


n-Butyl acetate (123-86-4)

Reason Code:

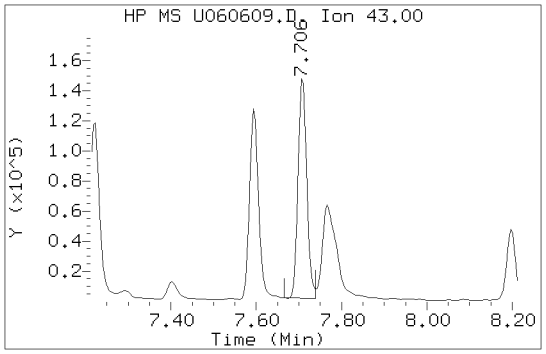
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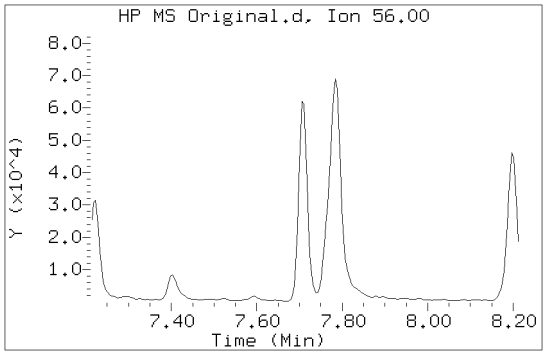
AFTER

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13-Jun-2023
13:00
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pham



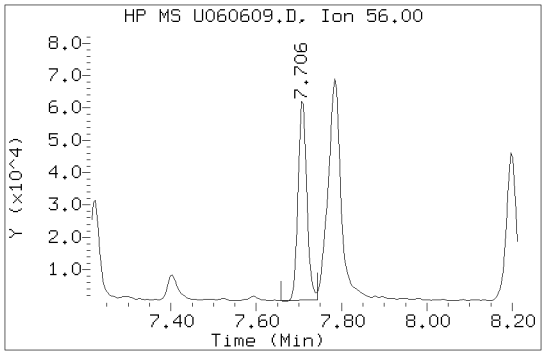
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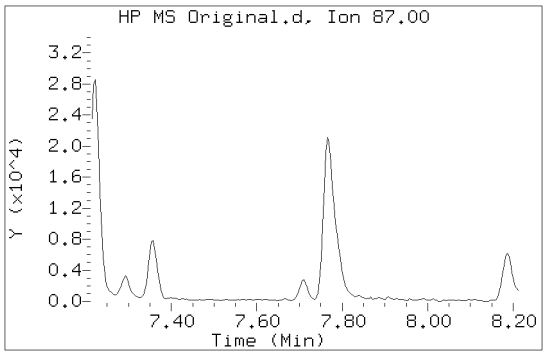
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13-Jun-2023
13:00
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pham



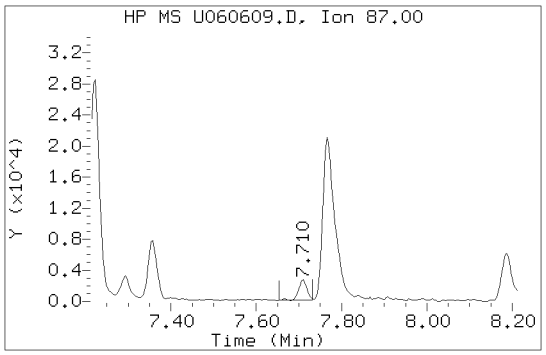
BEFORE

MASS
87
AREA
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08-Jun-2023
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AFTER

MASS
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AREA
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HEIGHT
2635
13-Jun-2023
13:00
linh
pham



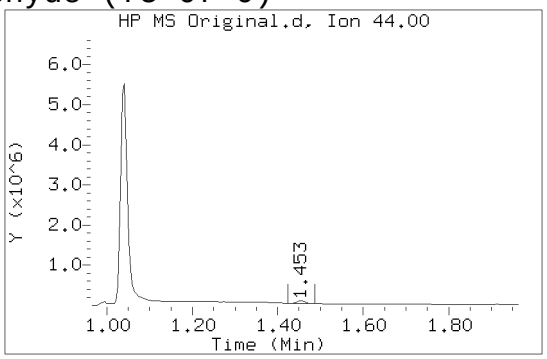
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Inj Date : 06-JUN-2023 14:13
InstruID : VOA9.i
LabSampID : VSTD020

Acetaldehyde (75-07-0)

Reason Code:

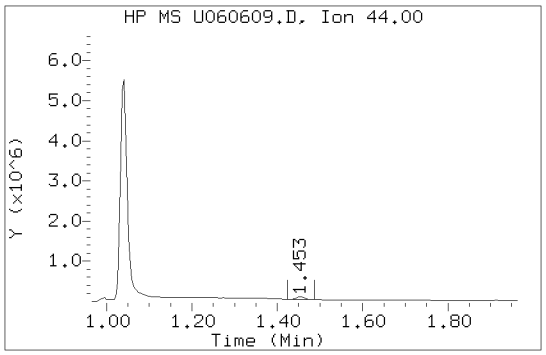
BEFORE

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67878
08-Jun-2023
14:56
linh
pham



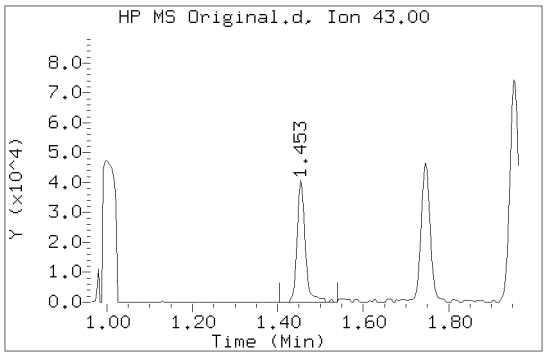
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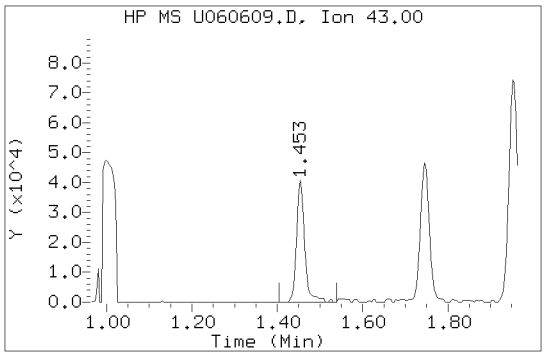
BEFORE

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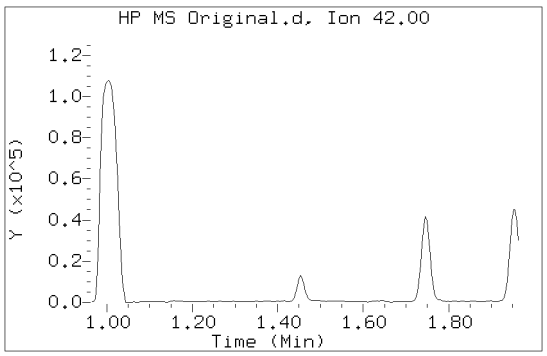
AFTER

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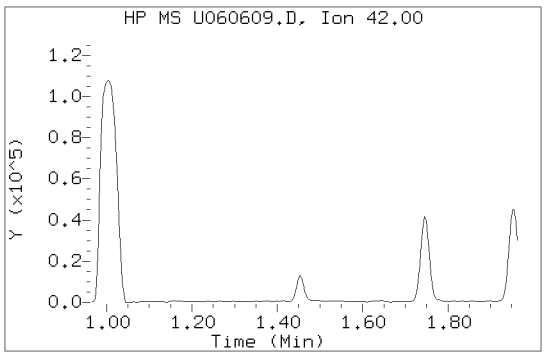
BEFORE

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08-Jun-2023
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AFTER

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HEIGHT
0
13-Jun-2023
13:00
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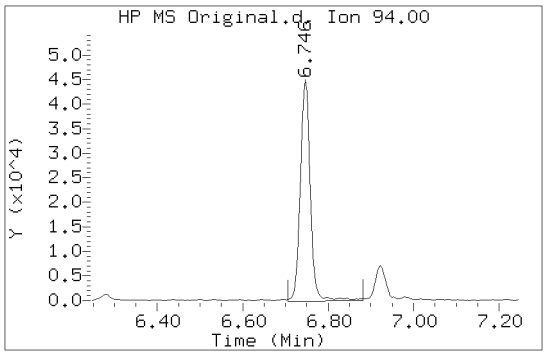


Dimethyl Disulfide (624-92-0)

Reason Code:

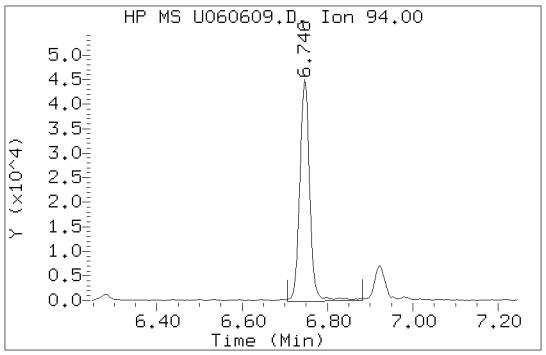
BEFORE

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94
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HEIGHT
45120
08-Jun-2023
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AFTER

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HEIGHT
45120
13-Jun-2023
13:00
linh
pham



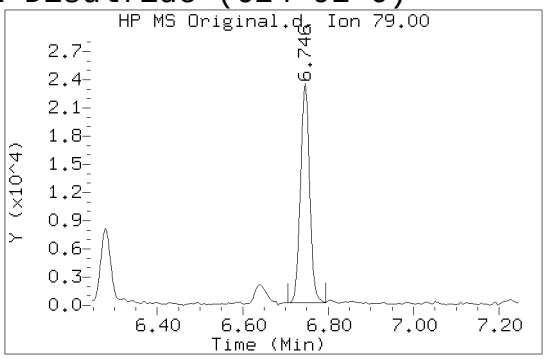
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Inj Date : 06-JUN-2023 14:13
InstruID : VOA9.i
LabSampID : VSTD020

Dimethyl Disulfide (624-92-0)

Reason Code:

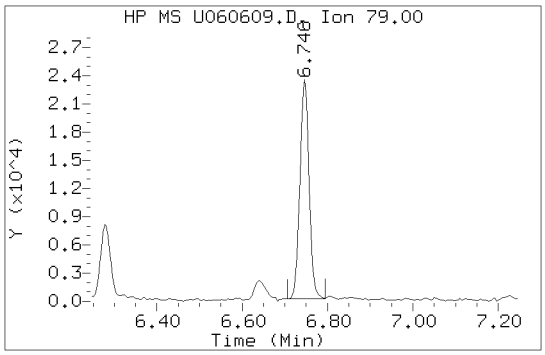
BEFORE

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08-Jun-2023
14:56
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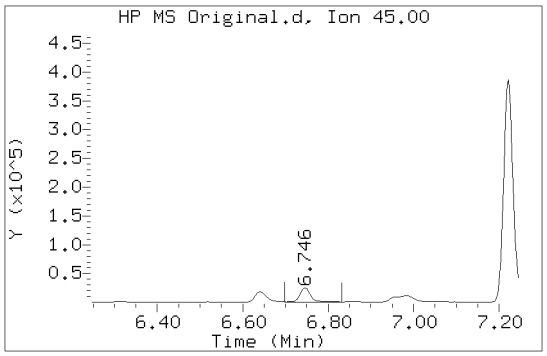
AFTER

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13-Jun-2023
13:00
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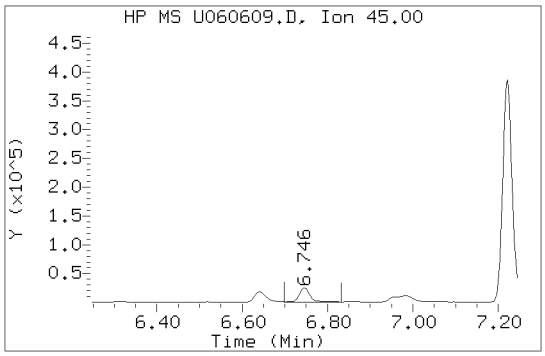
BEFORE

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HEIGHT
24788
08-Jun-2023
14:56
linh
pham



AFTER

MASS
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AREA
45369
HEIGHT
24788
13-Jun-2023
13:00
linh
pham



Data File: \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060610.D Page 1
Report Date: 13-Jun-2023 13:01

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060610.D
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Inj Date : 06-JUN-2023 14:35
Operator : PC Inst ID: VOA9.i
Smp Info : VSTD050;VSTD050;1;7;
Misc Info : V9;WATER;0;1;
Comment   :
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Meth Date : 13-Jun-2023 13:01 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 14:13 Cal File: U060609.D
Als bottle: 11 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
* 1	Pentafluorobenzene	168	4.819	4.819	(1.000)	676524	50.0000	
2	Dichlorodifluoromethane	85	1.168	1.168	(0.242)	301782	50.0000	48.28
3	Chloromethane	50	1.303	1.303	(0.270)	533277	50.0000	52.32
5	Vinyl Chloride	62	1.381	1.381	(0.287)	371826	50.0000	51.96
6	Bromomethane	94	1.625	1.625	(0.337)	189385	50.0000	51.52
7	Chloroethane	64	1.704	1.704	(0.354)	235929	50.0000	48.94
8	Trichlorofluoromethane	101	1.903	1.903	(0.395)	408187	50.0000	49.66
9	Acrolein	56	2.270	2.270	(0.471)	34711	100.000	96.66
10	Acetone	43	2.416	2.416	(0.501)	245967	100.000	106.19
11	1,1-Dichloroethene	96	2.337	2.337	(0.485)	253953	50.0000	49.45
15	Iodomethane	142	2.476	2.476	(0.514)	311144	100.000	80.01
16	Acrylonitrile	53	3.072	3.072	(0.638)	238722	100.000	95.15
17	Methylene Chloride	84	2.798	2.798	(0.581)	313459	50.0000	50.82
18	Methyl tert-butyl ether	73	3.087	3.087	(0.641)	751017	50.0000	47.69
19	Carbon Disulfide	76	2.525	2.525	(0.524)	1424175	100.000	103.74
20	trans-1,2-Dichloroethene	96	3.065	3.065	(0.636)	287983	50.0000	51.56
21	Vinyl Acetate	43	3.612	3.612	(0.750)	1688425	100.000	99.18
22	1,1-Dichloroethane	63	3.522	3.522	(0.731)	510453	50.0000	48.09
24	2-Butanone	43	4.272	4.272	(0.886)	284571	100.000	92.25
26	2,2-Dichloropropane	77	4.185	4.185	(0.869)	344673	50.0000	49.12

27	cis-1,2-Dichloroethene	96	4.200	4.200 (0.872)	330459	50.0000	49.46
28	Chloroform	83	4.579	4.579 (0.950)	553969	50.0000	50.15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	29 Bromochloromethane	128	4.474	4.474	(0.928)	180688	50.0000	48.34
$	30 Dibromofluoromethane	113	4.752	4.752	(0.986)	271537	50.0000	47.80
	31 1,1,1-Trichloroethane	97	4.744	4.744	(0.984)	427820	50.0000	50.81
	32 1,1-Dichloropropene	75	4.924	4.924	(0.886)	378122	50.0000	50.72
	33 1,2-Dichloroethane	62	5.179	5.179	(0.932)	428044	50.0000	48.61
	34 Carbon Tetrachloride	117	4.913	4.913	(0.884)	352021	50.0000	51.40
$	35 1,2-Dichloroethane-d4	65	5.100	5.100	(1.058)	303470	50.0000	49.38
*	36 1,4-Difluorobenzene	114	5.557	5.557	(1.000)	1017200	50.0000	
	37 Benzene	78	5.141	5.141	(0.925)	1252175	50.0000	51.08
	38 Trichloroethene	130	5.790	5.790	(1.042)	345905	50.0000	48.68
	39 Bromodichloromethane	83	6.281	6.281	(1.130)	388938	50.0000	50.86
	41 2-Chloroethylvinyl ether	63	6.581	6.581	(1.184)	17983	100.000	97.24(M)
	42 1,2-Dichloropropane	63	6.015	6.015	(1.082)	326747	50.0000	49.92
	44 Dibromomethane	93	6.124	6.124	(1.102)	203401	50.0000	48.64
	45 4-Methyl-2-Pentanone	43	6.858	6.858	(0.838)	697558	100.000	98.05
	46 cis-1,3-Dichloropropene	75	6.693	6.693	(1.204)	477156	50.0000	46.71
*	47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	976881	50.0000	
$	48 Toluene-d8	98	6.922	6.922	(0.846)	1047714	50.0000	47.38(M)
	50 Toluene	91	6.982	6.982	(0.853)	1342745	50.0000	50.67
	51 trans-1,3-Dichloropropene	75	7.199	7.199	(1.295)	395477	50.0000	46.15
	52 2-Hexanone	43	7.593	7.593	(0.928)	463757	100.000	93.61
	53 1,1,2-Trichloroethane	83	7.357	7.357	(0.899)	255402	50.0000	46.32
	54 1,3-Dichloropropane	76	7.499	7.499	(0.916)	550839	50.0000	48.90
	55 Dibromochloromethane	129	7.694	7.694	(0.940)	344538	50.0000	52.67
	56 Tetrachloroethene	164	7.458	7.458	(0.911)	304966	50.0000	47.24
	57 1,2-Dibromoethane	107	7.788	7.788	(0.951)	322319	50.0000	47.39
	58 1-Chlorohexane	55	8.197	8.197	(1.475)	234412	50.0000	44.87
	59 Chlorobenzene	112	8.212	8.212	(1.003)	916475	50.0000	48.46
	60 1,1,1,2-Tetrachloroethane	131	8.287	8.287	(1.012)	327010	50.0000	50.31
	61 Ethylbenzene	106	8.309	8.309	(1.015)	443008	50.0000	50.33
	62 m,p-Xylenes	106	8.410	8.410	(1.027)	1096202	100.000	105.27
	63 o-Xylene	106	8.748	8.748	(1.069)	532694	50.0000	51.78
	64 Styrene	104	8.763	8.763	(1.071)	873807	50.0000	53.52
	66 Bromoform	173	8.920	8.920	(1.090)	227224	50.0000	51.46
	67 Isopropylbenzene	105	9.063	9.063	(1.107)	1269616	50.0000	51.38
	68 1,1,2,2-Tetrachloroethane	83	9.329	9.329	(0.917)	438008	50.0000	45.99
$	69 4-Bromofluorobenzene	95	9.194	9.194	(1.123)	425877	50.0000	48.86
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	506267	50.0000	
	71 1,2,3-Trichloropropane	75	9.362	9.362	(0.920)	396260	50.0000	47.29
	73 n-Propylbenzene	91	9.411	9.411	(0.925)	1350525	50.0000	50.85
	74 Bromobenzene	156	9.317	9.317	(0.916)	406120	50.0000	47.54
	75 1,3,5-Trimethylbenzene	105	9.561	9.561	(0.940)	873885	50.0000	47.96
	76 2-Chlorotoluene	91	9.482	9.482	(0.932)	927058	50.0000	49.66
	77 4-Chlorotoluene	91	9.576	9.576	(0.941)	1031057	50.0000	49.89
	78 tert-Butylbenzene	119	9.838	9.838	(0.967)	874077	50.0000	48.84
	79 1,2,4-Trimethylbenzene	105	9.880	9.880	(0.971)	861955	50.0000	45.21
	81 sec-Butylbenzene	105	10.022	10.022	(0.985)	1105877	50.0000	48.73
	82 p-Isopropyltoluene	119	10.146	10.146	(0.997)	895378	50.0000	47.09
	83 1,3-Dichlorobenzene	146	10.116	10.116	(0.994)	679277	50.0000	46.82
	84 1,4-Dichlorobenzene	146	10.191	10.191	(1.002)	709983	50.0000	45.89
	87 n-Butylbenzene	91	10.491	10.491	(1.031)	741855	50.0000	45.58
	88 1,2-Dichlorobenzene	146	10.506	10.506	(1.033)	681773	50.0000	46.86

89	1,2-Dibromo-3-Chloropropane	155	11.169	11.169 (1.098)	66094	50.0000	47.56
90	1,2,4-Trichlorobenzene	180	11.859	11.859 (1.166)	468840	50.0000	46.85

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
91	Hexachlorobutadiene	225	11.998	11.998	(1.179)	174158	50.0000	43.10
92	Naphthalene	128	12.065	12.065	(1.186)	1175644	50.0000	50.58
93	1,2,3-Trichlorobenzene	180	12.268	12.268	(1.206)	463613	50.0000	47.39
M 94	1,2-Dichloroethylene (total)	96				618442	100.000	(a)
135	1,4-Dioxane	88	6.172	6.172	(1.281)	89225	1000.00	664.21
141	Cyclohexane	56	4.785	4.785	(0.993)	384146	50.0000	46.29
138	Freon TF	101	2.341	2.341	(0.486)	217639	50.0000	47.90
140	1,3-Butadiene	54	1.408	1.408	(0.292)	329617	50.0000	51.44
147	Methylcyclohexane	55	5.951	5.951	(1.071)	649753	50.0000	46.04
146	Methyl Acetate	43	2.720	2.720	(0.564)	254836	50.0000	44.73
148	Tert-Butyl alcohol	59	2.975	2.975	(0.617)	592187	1000.00	947.12
149	Isopropyl Alcohol	45	2.570	2.570	(0.533)	395875	1000.00	895.11
72	trans-1,4-Dichloro-2-butene	53	9.377	9.377	(1.146)	53071	50.0000	47.18(M)
12	Isobutyl Alcohol	43	5.291	5.291	(1.098)	891975	1000.00	1014.77(M)
13	Acetonitrile	39	2.678	2.678	(0.556)	355989	500.000	486.02
14	Allyl Chloride	41	2.678	2.678	(0.556)	838850	50.0000	47.75
25	Methacrylonitrile	41	4.500	4.500	(0.934)	196618	50.0000	49.19
40	Methyl Methacrylate	41	6.161	6.161	(1.278)	297279	50.0000	51.10
4	Propionitrile	54	4.343	4.343	(0.901)	467472	500.000	478.18
136	n-Hexane	57	3.350	3.350	(0.695)	256401	50.0000	45.49
194	Acetaldehyde	44	1.464	1.464	(0.304)	182837	200.000	195.95(M)
131	Methyl Acrylate	55	4.377	4.377	(0.908)	350463	50.0000	48.98(M)
200	Dimethyl Disulfide	94	6.750	6.750	(0.825)	275143	50.0000	38.98
23	Chloroprene	53	2.165	2.165	(0.449)	103984	50.0000	48.19(M)
49	Ethyl Methacrylate	69	7.293	7.293	(1.312)	443431	50.0000	49.73
166	1,2,3-Trimethylbenzene	105	10.236	10.236	(1.006)	871855	50.0000	44.80
167	Ethanol	45	2.090	2.090	(0.434)	83818	1000.00	992.72
164	Dicyclopentadiene	66	10.202	10.202	(1.003)	1102255	50.0000	44.63
145	alpha-Methylstyrene	118	9.756	9.756	(0.959)	398013	50.0000	42.48
142	Tetrahydrofuran	42	4.549	4.549	(0.944)	124830	100.000	104.57
156	Diisopropyl ether	45	3.627	3.627	(0.753)	905553	50.0000	48.00
151	4-Methyl-2-pentanol	45	7.222	7.222	(1.299)	1360403	1000.00	899.38
150	Allyl alcohol	57	3.350	3.350	(0.695)	256401	1000.00	910.24
86	Benzyl Chloride	91	10.311	10.311	(1.260)	234906	50.0000	40.89
162	Butyl acrylate	55	8.733	8.733	(1.067)	552381	50.0000	47.80
139	Diethyl ether	59	2.150	2.150	(0.446)	220811	50.0000	48.30
203	2-Ethylhexyl Acrylate	55	12.043	12.043	(1.184)	214955	50.0000	44.70
134	Cyclohexanone	55	9.156	9.156	(0.900)	291143	1000.00	927.60
130	Ethyl Acetate	43	4.272	4.272	(0.886)	275065	50.0000	45.48(M)
189	n-Butyl acetate	43	7.709	7.709	(0.942)	537633	50.0000	48.33(M)
182	Epichlorohydrin	57	6.637	6.637	(1.194)	17348	200.000	179.78

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

01225109

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060610.D

Page 1

Date : 06-JUN-2023 14:35

Client ID: VSTD050

Instrument: VOA9.i

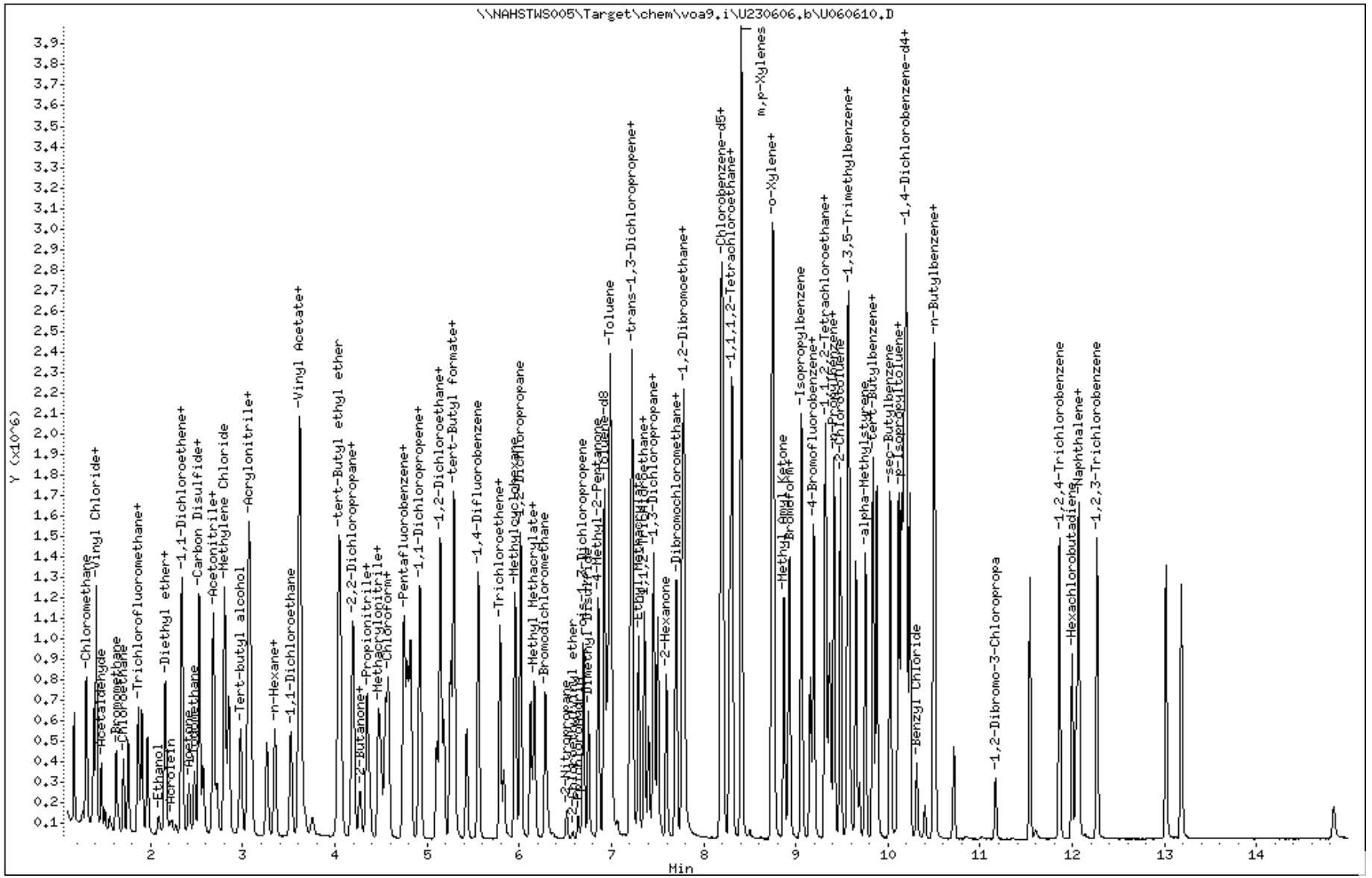
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Purge Volume: 5.0

Operator: PC

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Column diameter: 0.18



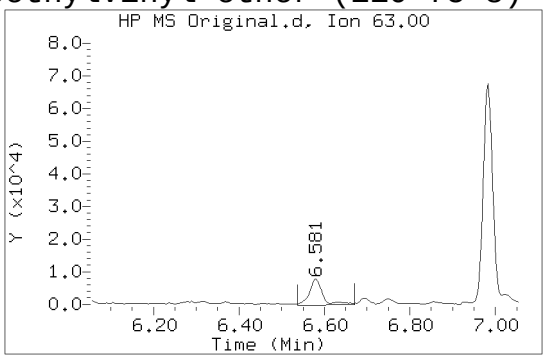
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LabSampID : VSTD050

2-Chloroethylvinyl ether (110-75-8)

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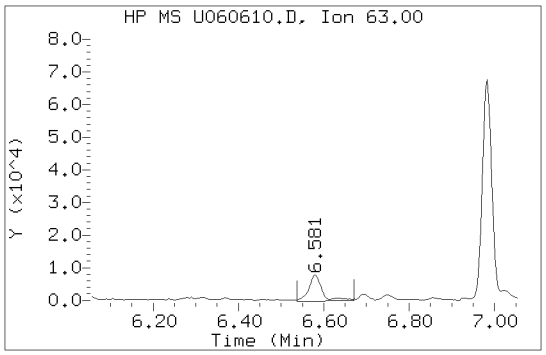
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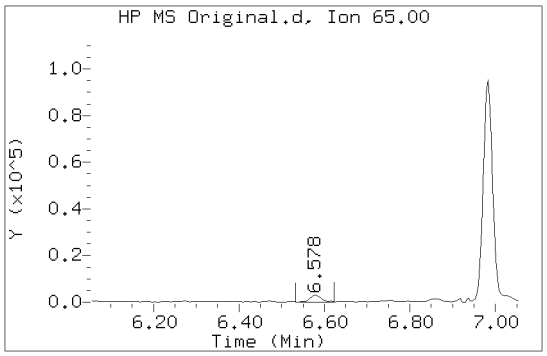
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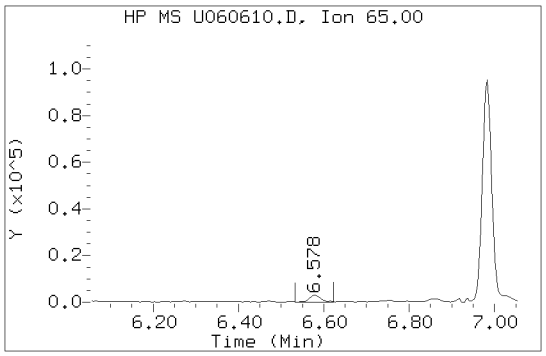
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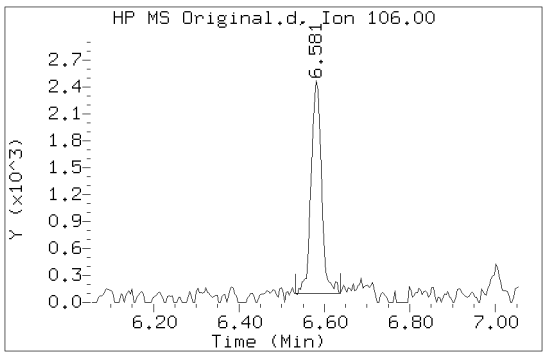
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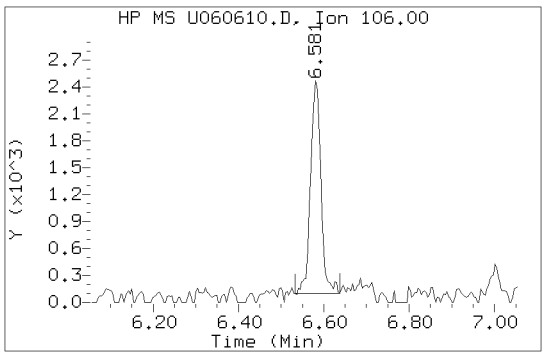
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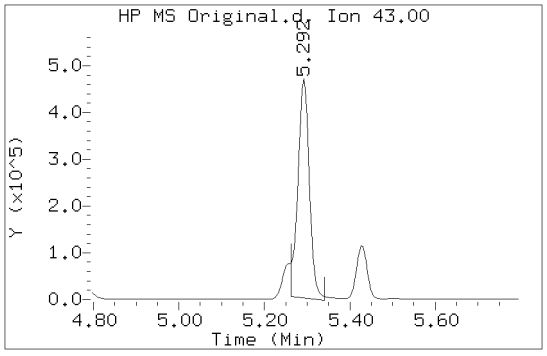


Isobutyl Alcohol (78-83-1)

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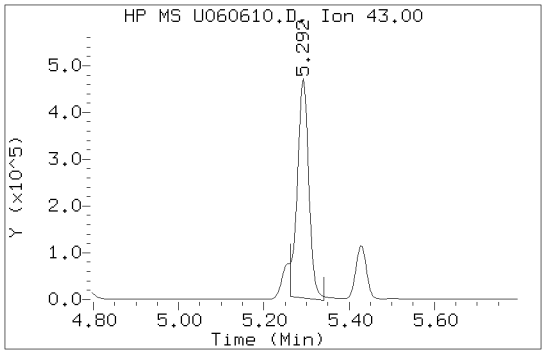
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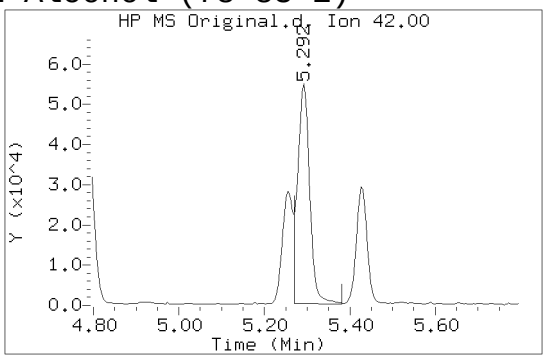
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LabSampID : VSTD050

Isobutyl Alcohol (78-83-1)

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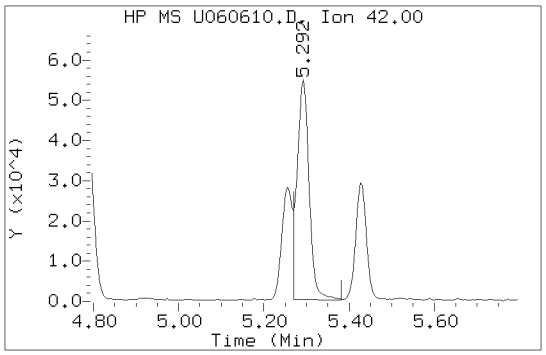
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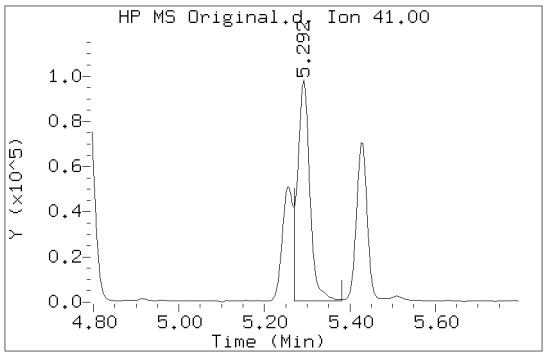
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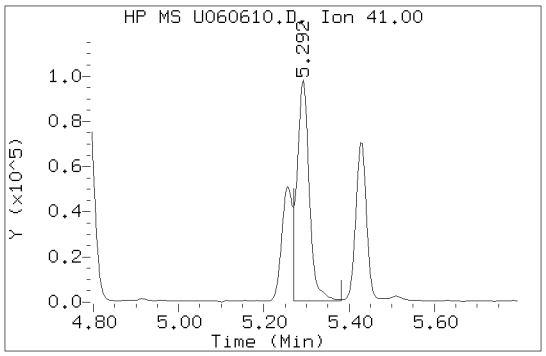
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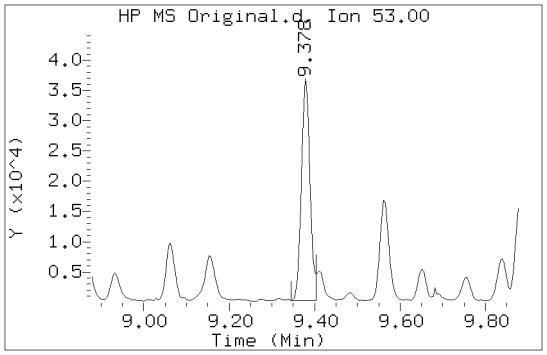


trans-1,4-Dichloro-2-butene (110-57-6)

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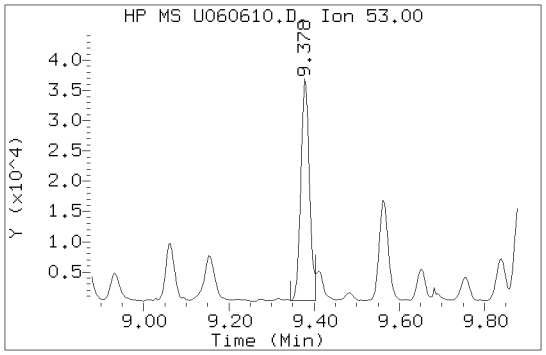
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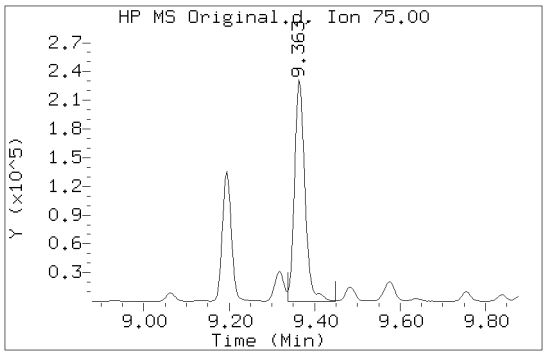
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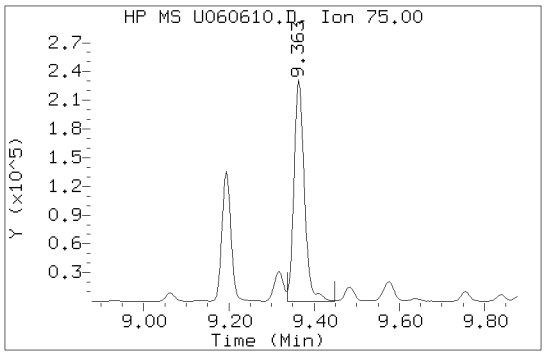
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AFTER

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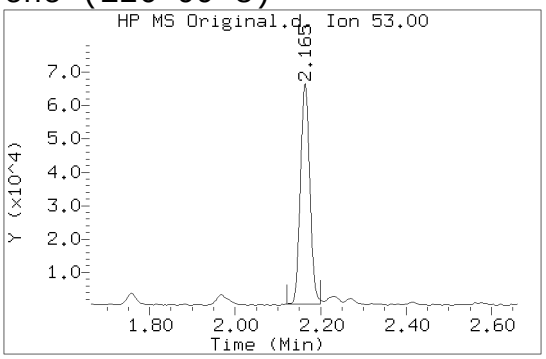


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InstruID : VOA9.i
LabSampID : VSTD050

Chloroprene (126-99-8)

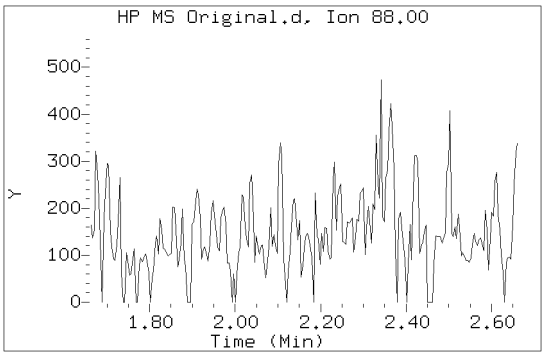
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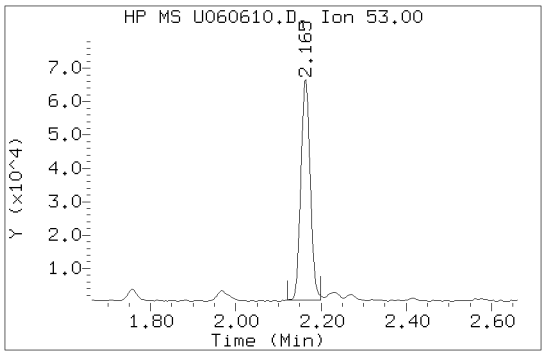
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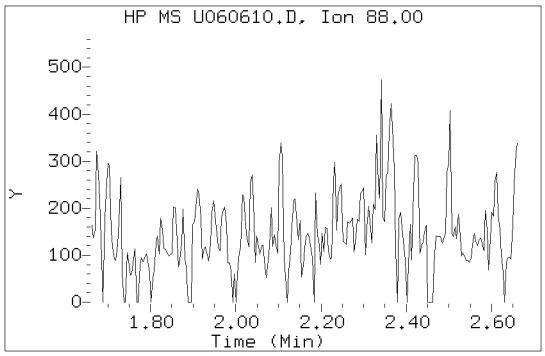
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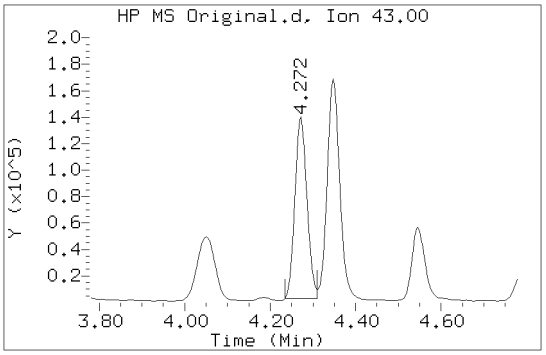
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Ethyl Acetate (141-78-6)

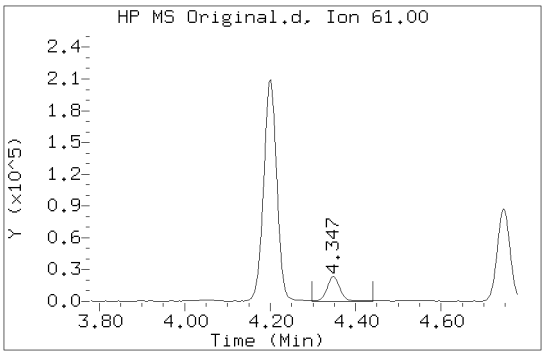
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BEFORE

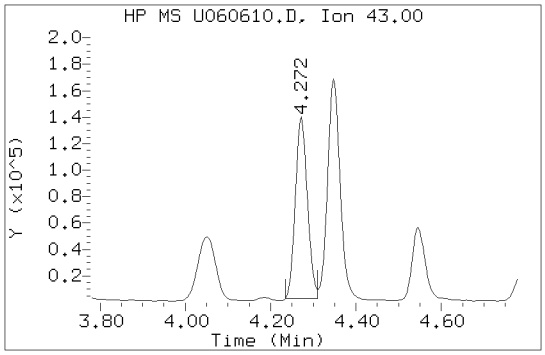
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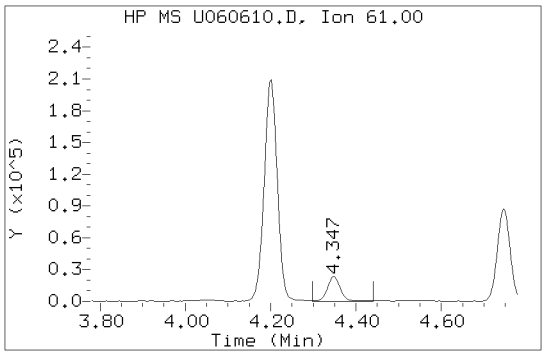
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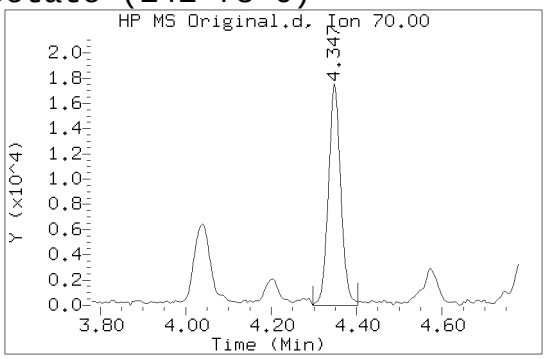
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Inj Date : 06-JUN-2023 14:35
InstruID : VOA9.i
LabSampID : VSTD050

Ethyl Acetate (141-78-6)

Reason Code:

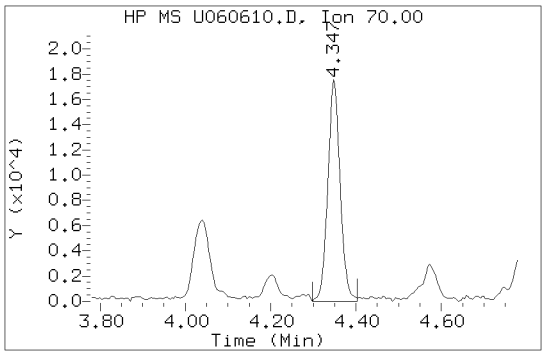
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AFTER

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linh
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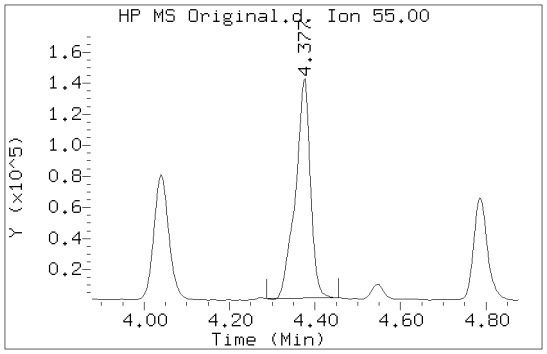


Methyl Acrylate (96-33-3)

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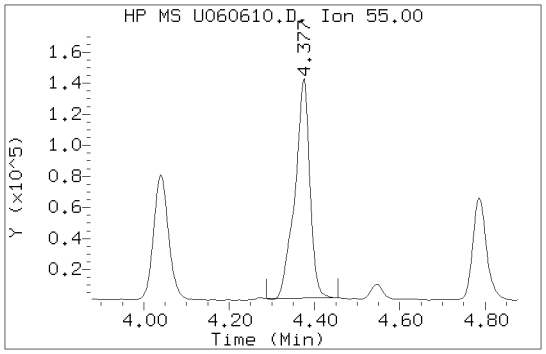
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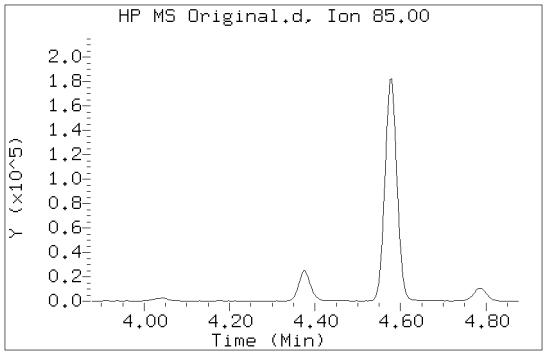
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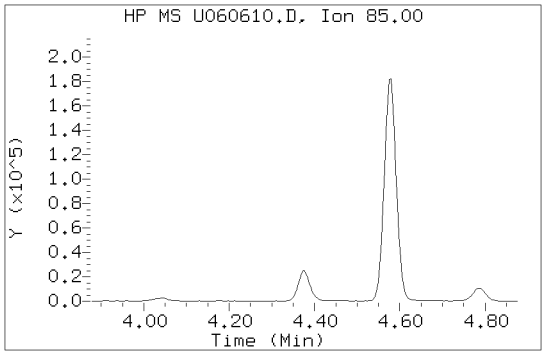
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AFTER

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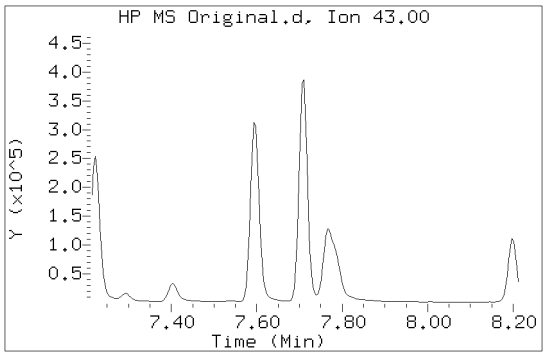


n-Butyl acetate (123-86-4)

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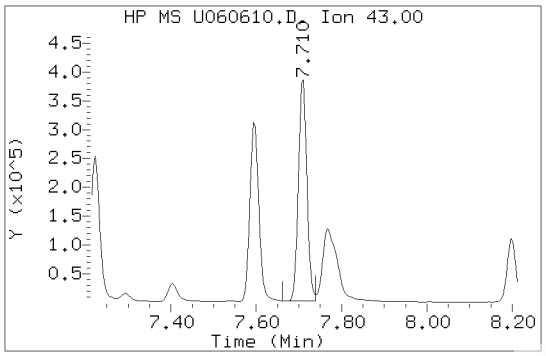
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08-Jun-2023
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13-Jun-2023
13:00
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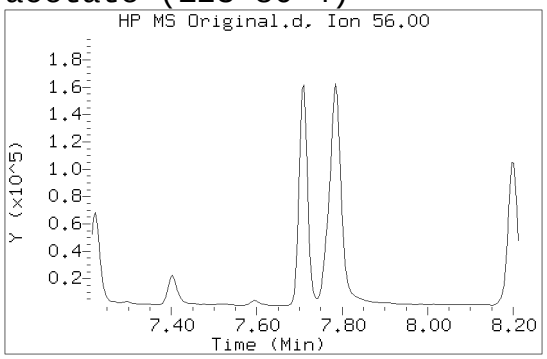
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Inj Date : 06-JUN-2023 14:35
InstruID : VOA9.i
LabSampID : VSTD050

n-Butyl acetate (123-86-4)

Reason Code:

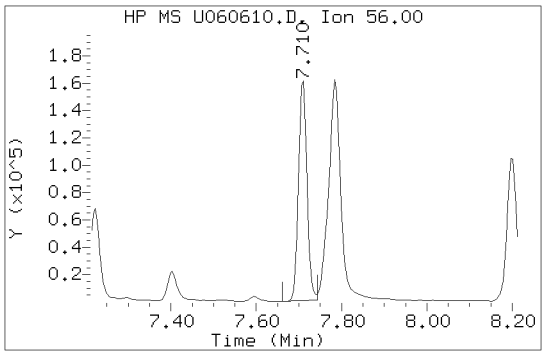
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08-Jun-2023
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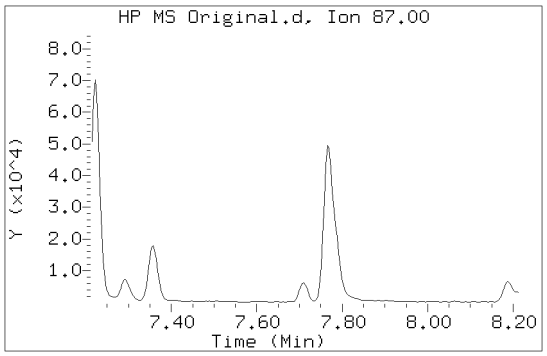
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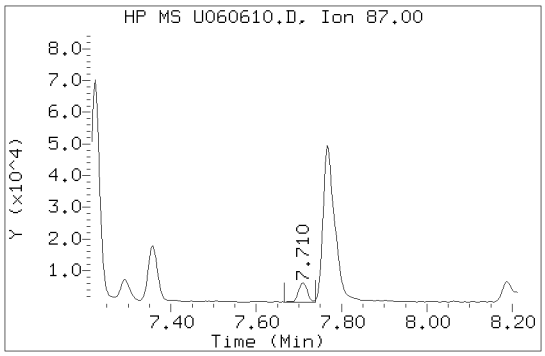
BEFORE

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08-Jun-2023
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AFTER

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13-Jun-2023
13:00
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pham

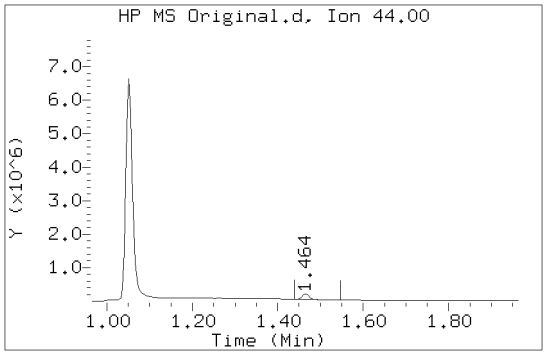


Acetaldehyde (75-07-0)

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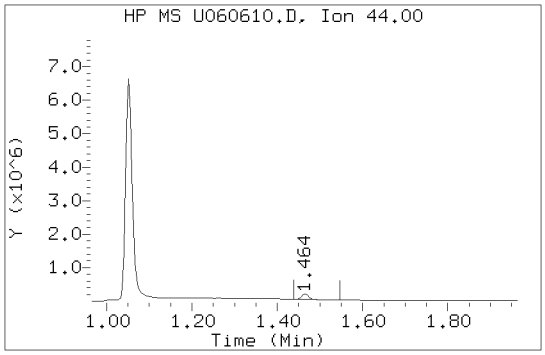
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08-Jun-2023
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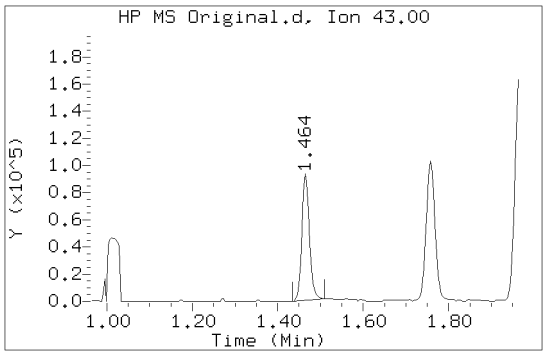
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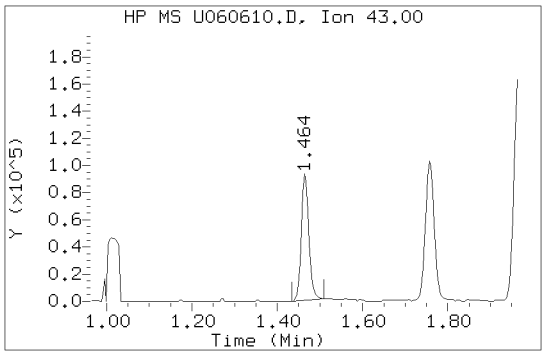
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08-Jun-2023
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AFTER

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13-Jun-2023
13:00
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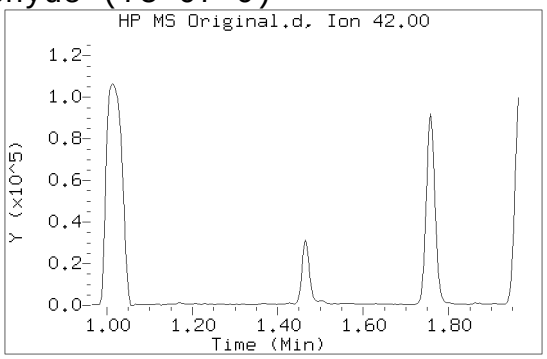
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Inj Date : 06-JUN-2023 14:35
InstruID : VOA9.i
LabSampID : VSTD050

Acetaldehyde (75-07-0)

Reason Code:

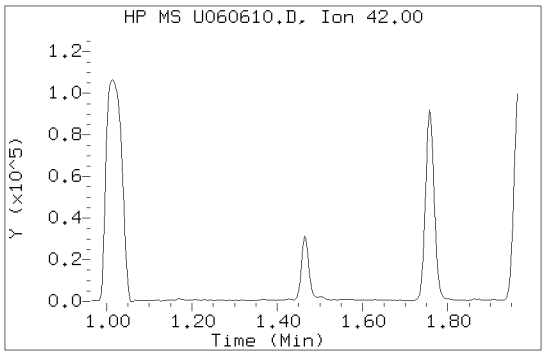
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08-Jun-2023
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AFTER

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13-Jun-2023
13:00
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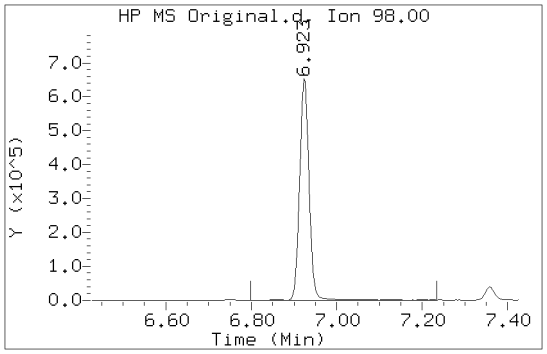


Toluene-d8 (2037-26-5)

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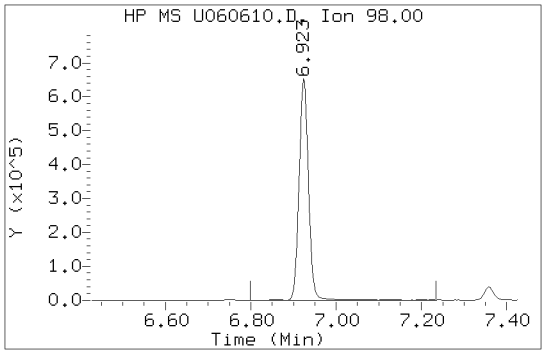
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08-Jun-2023
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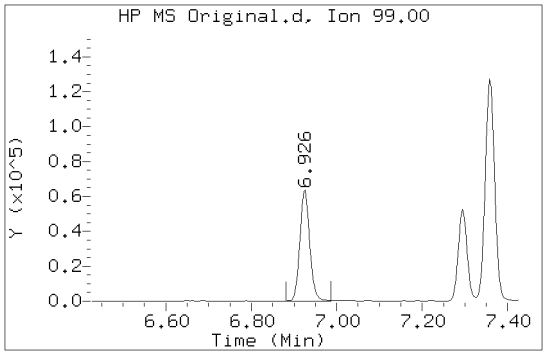
AFTER

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13-Jun-2023
13:00
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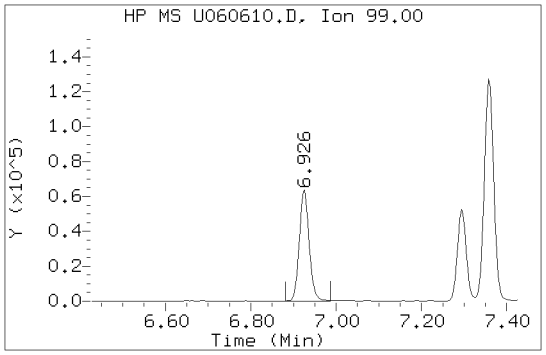
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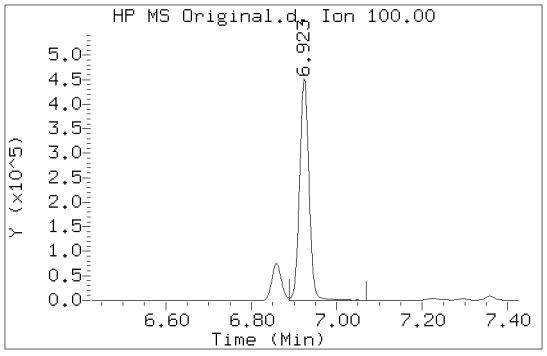
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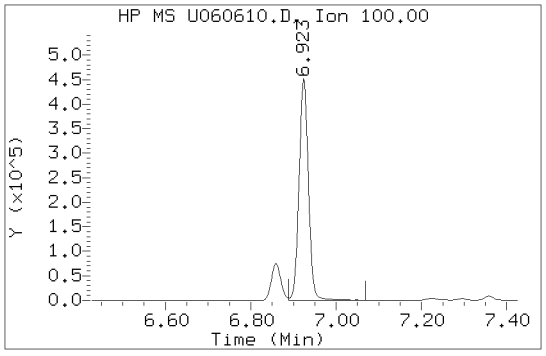
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08-Jun-2023
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AFTER

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HEIGHT
451766
13-Jun-2023
13:00
linh
pham



Data File: \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060611.D Page 1
Report Date: 13-Jun-2023 13:01

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060611.D
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Inj Date : 06-JUN-2023 14:57
Operator : PC Inst ID: VOA9.i
Smp Info : VSTD100;VSTD100;1;8;
Misc Info : V9;WATER;0;1;
Comment   :
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Meth Date : 13-Jun-2023 13:01 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 14:35 Cal File: U060610.D
Als bottle: 12 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
* 1	Pentafluorobenzene	168	4.819	4.819	(1.000)	670070	50.0000	
2	Dichlorodifluoromethane	85	1.171	1.171	(0.243)	630744	100.000	101.79
3	Chloromethane	50	1.303	1.303	(0.270)	979734	100.000	98.21
5	Vinyl Chloride	62	1.385	1.385	(0.288)	740321	100.000	104.45
6	Bromomethane	94	1.621	1.621	(0.337)	362834	100.000	101.38
7	Chloroethane	64	1.704	1.704	(0.354)	467539	100.000	97.92
8	Trichlorofluoromethane	101	1.902	1.902	(0.395)	855761	100.000	105.12
9	Acrolein	56	2.274	2.274	(0.472)	67908	200.000	190.93
10	Acetone	43	2.416	2.416	(0.501)	467276	200.000	208.92
11	1,1-Dichloroethene	96	2.341	2.341	(0.486)	513614	100.000	100.98
15	Iodomethane	142	2.476	2.476	(0.514)	901104	200.000	199.55
16	Acrylonitrile	53	3.072	3.072	(0.638)	516348	200.000	207.79
17	Methylene Chloride	84	2.802	2.802	(0.582)	614571	100.000	101.61
18	Methyl tert-butyl ether	73	3.087	3.087	(0.641)	1584444	100.000	101.58
19	Carbon Disulfide	76	2.528	2.528	(0.525)	2847374	200.000	209.40
20	trans-1,2-Dichloroethene	96	3.065	3.065	(0.636)	568535	100.000	102.78
21	Vinyl Acetate	43	3.616	3.616	(0.750)	3561924	200.000	211.24
22	1,1-Dichloroethane	63	3.522	3.522	(0.731)	1000189	100.000	95.14
24	2-Butanone	43	4.272	4.272	(0.886)	586975	200.000	192.13
26	2,2-Dichloropropane	77	4.189	4.189	(0.869)	699035	100.000	100.17

27 cis-1,2-Dichloroethene	96	4.204	4.204 (0.872)	653745	100.000	98.79
28 Chloroform	83	4.579	4.579 (0.950)	1087668	100.000	99.41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	29 Bromochloromethane	128	4.474	4.474	(0.928)	353937	100.000	95.61
$	30 Dibromofluoromethane	113	4.755	4.755	(0.987)	587291	100.000	104.76
	31 1,1,1-Trichloroethane	97	4.748	4.748	(0.985)	877070	100.000	105.18
	32 1,1-Dichloropropene	75	4.924	4.924	(0.886)	789905	100.000	106.49
	33 1,2-Dichloroethane	62	5.183	5.183	(0.933)	859937	100.000	98.17
	34 Carbon Tetrachloride	117	4.916	4.916	(0.885)	751459	100.000	110.29
$	35 1,2-Dichloroethane-d4	65	5.104	5.104	(1.059)	630129	100.000	104.27
*	36 1,4-Difluorobenzene	114	5.557	5.557	(1.000)	1012041	50.0000	
	37 Benzene	78	5.141	5.141	(0.925)	2477058	100.000	101.57
	38 Trichloroethene	130	5.790	5.790	(1.042)	703907	100.000	99.58
	39 Bromodichloromethane	83	6.281	6.281	(1.130)	818290	100.000	107.56
	41 2-Chloroethylvinyl ether	63	6.581	6.581	(1.184)	40457	200.000	219.88
	42 1,2-Dichloropropane	63	6.015	6.015	(1.082)	652200	100.000	100.16
	44 Dibromomethane	93	6.123	6.123	(1.102)	418327	100.000	100.55
	45 4-Methyl-2-Pentanone	43	6.858	6.858	(0.838)	1453246	200.000	201.66
	46 cis-1,3-Dichloropropene	75	6.693	6.693	(1.204)	1015887	100.000	97.77
*	47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	989593	50.0000	
$	48 Toluene-d8	98	6.922	6.922	(0.846)	2212089	100.000	98.76
	50 Toluene	91	6.982	6.982	(0.853)	2683985	100.000	99.99
	51 trans-1,3-Dichloropropene	75	7.199	7.199	(1.295)	857257	100.000	98.18
	52 2-Hexanone	43	7.593	7.593	(0.928)	985396	200.000	196.34
	53 1,1,2-Trichloroethane	83	7.357	7.357	(0.899)	529613	100.000	94.83
	54 1,3-Dichloropropane	76	7.499	7.499	(0.916)	1115267	100.000	97.74
	55 Dibromochloromethane	129	7.694	7.694	(0.940)	737148	100.000	111.24
	56 Tetrachloroethene	164	7.458	7.458	(0.911)	639857	100.000	97.84
	57 1,2-Dibromoethane	107	7.788	7.788	(0.951)	667663	100.000	96.91
	58 1-Chlorohexane	55	8.196	8.196	(1.475)	524953	100.000	101.01
	59 Chlorobenzene	112	8.211	8.211	(1.003)	1872827	100.000	97.76
	60 1,1,1,2-Tetrachloroethane	131	8.286	8.286	(1.012)	680431	100.000	103.34
	61 Ethylbenzene	106	8.309	8.309	(1.015)	943978	100.000	105.87
	62 m,p-Xylenes	106	8.410	8.410	(1.027)	2348572	200.000	222.64
	63 o-Xylene	106	8.748	8.748	(1.069)	1136322	100.000	109.04
	64 Styrene	104	8.763	8.763	(1.071)	1895390	100.000	114.61
	66 Bromoform	173	8.920	8.920	(1.090)	516461	100.000	115.46
	67 Isopropylbenzene	105	9.062	9.062	(1.107)	2761754	100.000	110.34
	68 1,1,2,2-Tetrachloroethane	83	9.329	9.329	(0.917)	908699	100.000	94.04
$	69 4-Bromofluorobenzene	95	9.194	9.194	(1.123)	923899	100.000	105.68
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	513703	50.0000	
	71 1,2,3-Trichloropropane	75	9.362	9.362	(0.920)	846266	100.000	99.55
	73 n-Propylbenzene	91	9.411	9.411	(0.925)	3014111	100.000	111.86
	74 Bromobenzene	156	9.317	9.317	(0.916)	845025	100.000	97.49
	75 1,3,5-Trimethylbenzene	105	9.565	9.565	(0.940)	1940177	100.000	104.95
	76 2-Chlorotoluene	91	9.482	9.482	(0.932)	1931083	100.000	101.94
	77 4-Chlorotoluene	91	9.576	9.576	(0.941)	2158910	100.000	102.96
	78 tert-Butylbenzene	119	9.838	9.838	(0.967)	1926006	100.000	106.08
	79 1,2,4-Trimethylbenzene	105	9.880	9.880	(0.971)	1885486	100.000	97.48
	81 sec-Butylbenzene	105	10.022	10.022	(0.985)	2529836	100.000	109.87
	82 p-Isopropyltoluene	119	10.146	10.146	(0.997)	2089715	100.000	108.33
	83 1,3-Dichlorobenzene	146	10.116	10.116	(0.994)	1428807	100.000	97.05
	84 1,4-Dichlorobenzene	146	10.191	10.191	(1.002)	1475761	100.000	94.02
	87 n-Butylbenzene	91	10.494	10.494	(1.032)	1713959	100.000	103.79
	88 1,2-Dichlorobenzene	146	10.506	10.506	(1.033)	1414908	100.000	95.85

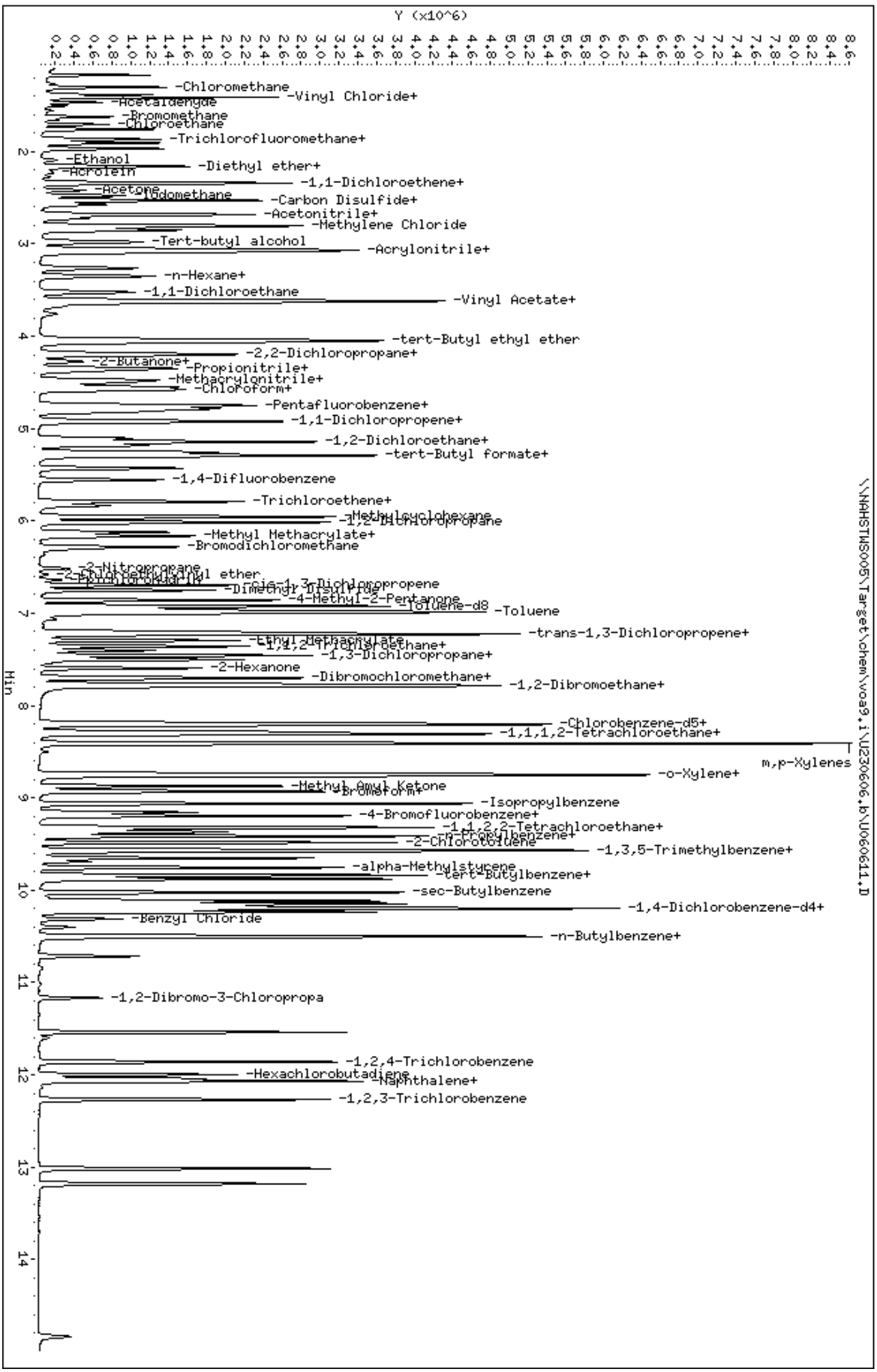
89	1,2-Dibromo-3-Chloropropane	155	11.165	11.165 (1.098)	145818	100.000	103.41
90	1,2,4-Trichlorobenzene	180	11.859	11.859 (1.166)	1004776	100.000	98.96

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060611.D Page 3
Report Date: 13-Jun-2023 13:01

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	91 Hexachlorobutadiene	225	11.998	11.998	(1.179)	399123	100.000	97.34
	92 Naphthalene	128	12.065	12.065	(1.186)	2448621	100.000	103.83
	93 1,2,3-Trichlorobenzene	180	12.268	12.268	(1.206)	976842	100.000	98.42
M	94 1,2-Dichloroethylene (total)	96				1222280	200.000	(a)
	135 1,4-Dioxane	88	6.172	6.172	(1.281)	185267	2000.00	1392.45
	141 Cyclohexane	56	4.785	4.785	(0.993)	872566	100.000	102.63
	138 Freon TF	101	2.345	2.345	(0.487)	480519	100.000	106.77
	140 1,3-Butadiene	54	1.411	1.411	(0.293)	678126	100.000	106.86
	147 Methylcyclohexane	55	5.951	5.951	(1.071)	1558687	100.000	111.02(A)
	146 Methyl Acetate	43	2.720	2.720	(0.564)	537399	100.000	95.24
	148 Tert-Butyl alcohol	59	2.978	2.978	(0.618)	1263261	2000.00	2045.59
	149 Isopropyl Alcohol	45	2.573	2.573	(0.534)	847444	2000.00	1934.60
	72 trans-1,4-Dichloro-2-butene	53	9.377	9.377	(1.146)	125171	100.000	109.85(M)
	12 Isobutyl Alcohol	43	5.291	5.291	(1.098)	1859195	2000.00	2135.51(M)
	13 Acetonitrile	39	2.678	2.678	(0.556)	750162	1000.00	1034.05
	14 Allyl Chloride	41	2.678	2.678	(0.556)	1757558	100.000	101.02
	25 Methacrylonitrile	41	4.500	4.500	(0.934)	417519	100.000	105.46
	40 Methyl Methacrylate	41	6.161	6.161	(1.278)	629718	100.000	109.29
	4 Propionitrile	54	4.347	4.347	(0.902)	963710	1000.00	995.29
	136 n-Hexane	57	3.349	3.349	(0.695)	595793	100.000	102.41
	194 Acetaldehyde	44	1.468	1.468	(0.305)	401024	400.000	433.93(M)
	131 Methyl Acrylate	55	4.377	4.377	(0.908)	743794	100.000	104.95(M)
	200 Dimethyl Disulfide	94	6.749	6.749	(0.825)	843448	100.000	100.11
	23 Chloroprene	53	2.165	2.165	(0.449)	214456	100.000	100.34(M)
	49 Ethyl Methacrylate	69	7.293	7.293	(1.312)	960371	100.000	108.25
	166 1,2,3-Trimethylbenzene	105	10.236	10.236	(1.006)	1877988	100.000	95.10
	167 Ethanol	45	2.094	2.094	(0.435)	175232	2000.00	2120.76
	164 Dicyclopentadiene	66	10.202	10.202	(1.003)	2526635	100.000	100.82
	145 alpha-Methylstyrene	118	9.756	9.756	(0.959)	939505	100.000	94.14
	142 Tetrahydrofuran	42	4.549	4.549	(0.944)	246154	200.000	210.54
	156 Diisopropyl ether	45	3.631	3.631	(0.753)	1887901	100.000	101.04
	151 4-Methyl-2-pentanol	45	7.222	7.222	(1.299)	3087346	2000.00	2051.50
	150 Allyl alcohol	57	3.349	3.349	(0.695)	595793	2000.00	2048.16
	86 Benzyl Chloride	91	10.311	10.311	(1.260)	573982	100.000	93.75
	162 Butyl acrylate	55	8.733	8.733	(1.067)	1240696	100.000	105.99
	139 Diethyl ether	59	2.154	2.154	(0.447)	464259	100.000	102.54
	203 2-Ethylhexyl Acrylate	55	12.043	12.043	(1.184)	534360	100.000	100.35
	134 Cyclohexanone	55	9.156	9.156	(0.900)	605439	2000.00	1901.05
	130 Ethyl Acetate	43	4.272	4.272	(0.886)	580165	100.000	96.86(M)
	189 n-Butyl acetate	43	7.709	7.709	(0.942)	1156578	100.000	102.64(M)
	182 Epichlorohydrin	57	6.633	6.633	(1.194)	42530	400.000	396.34

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.
M - Compound response manually integrated.



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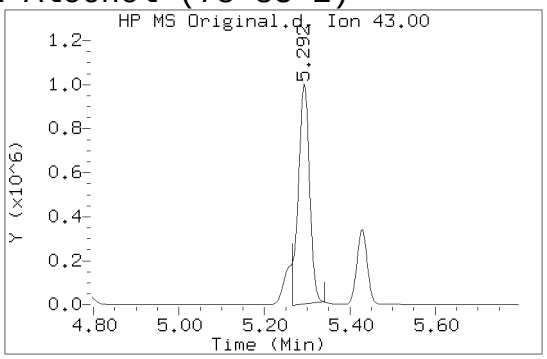
Instrument: VOA9,i
Operator: PC
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LabSampID : VSTD100

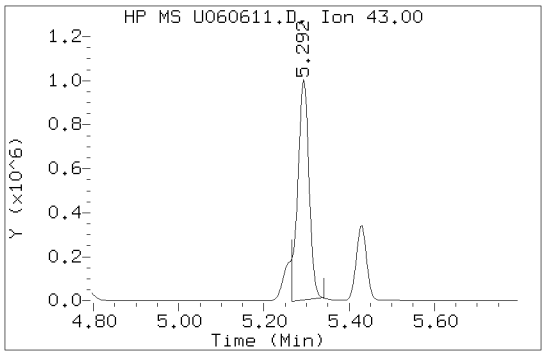
Isobutyl Alcohol (78-83-1)

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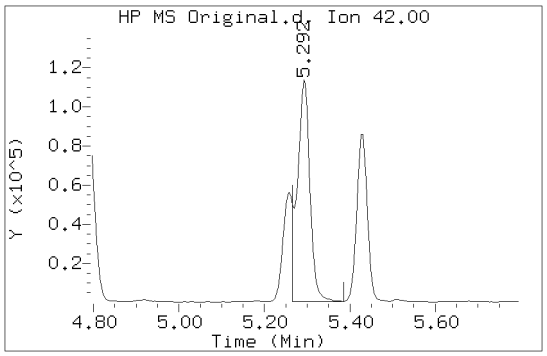
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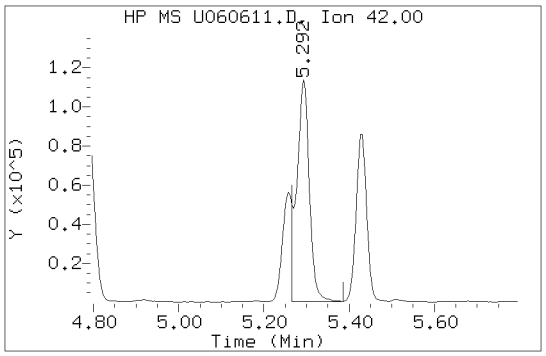
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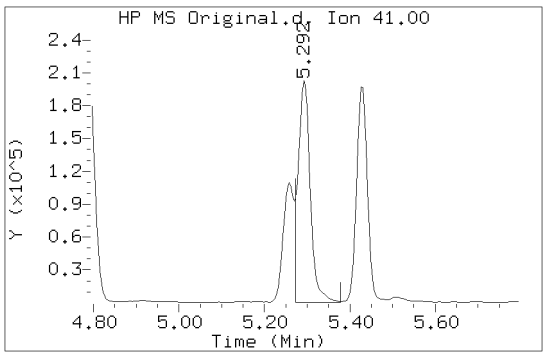
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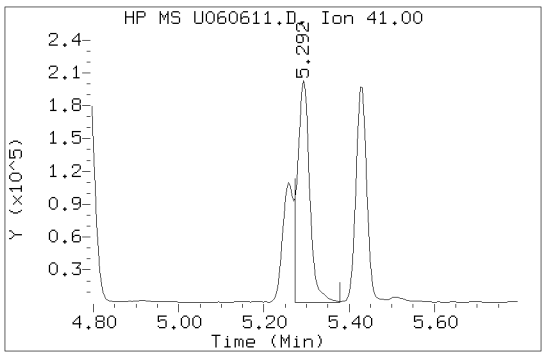
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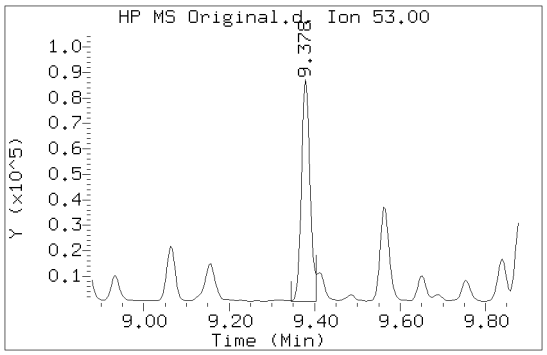
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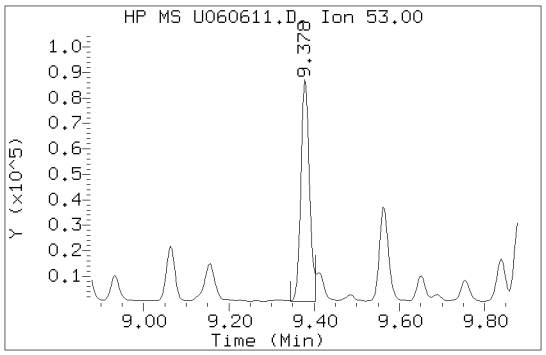
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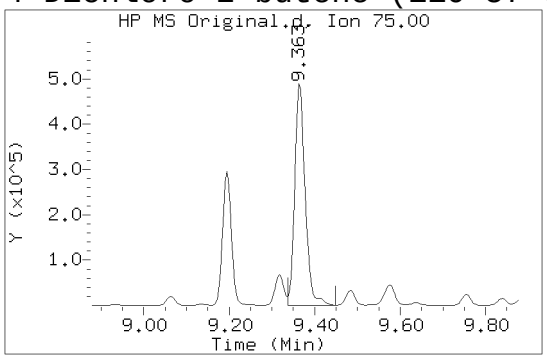
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InstruID : VOA9.i
LabSampID : VSTD100

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

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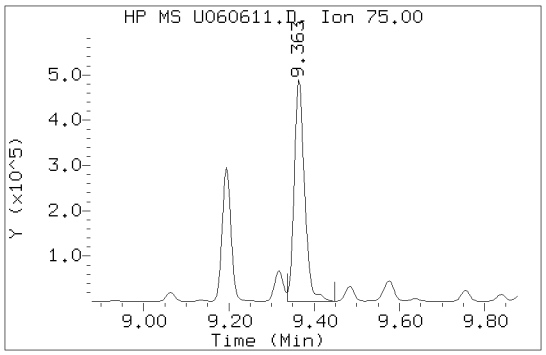
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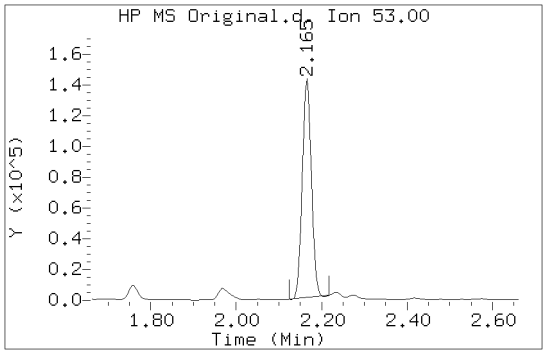


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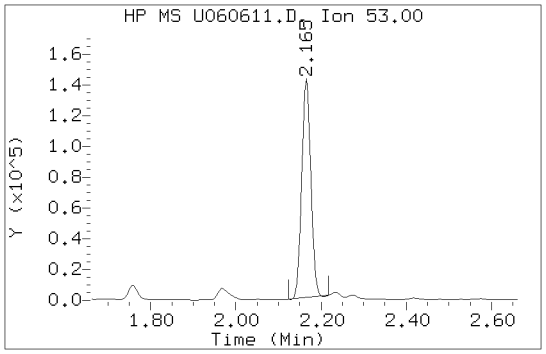
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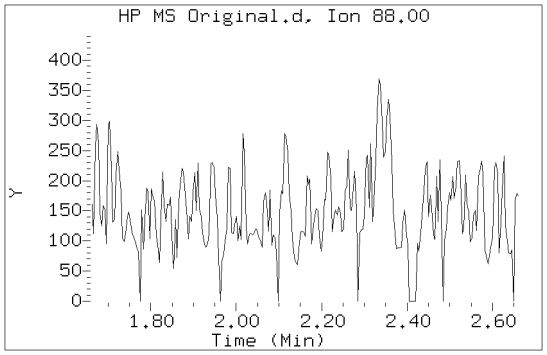
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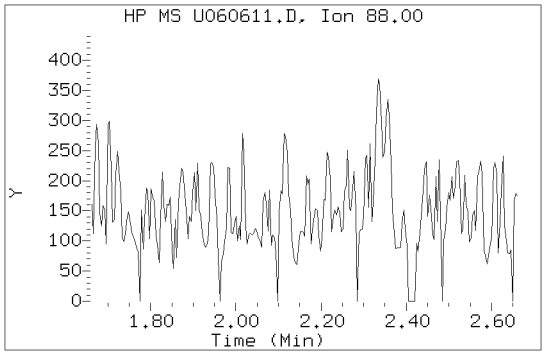
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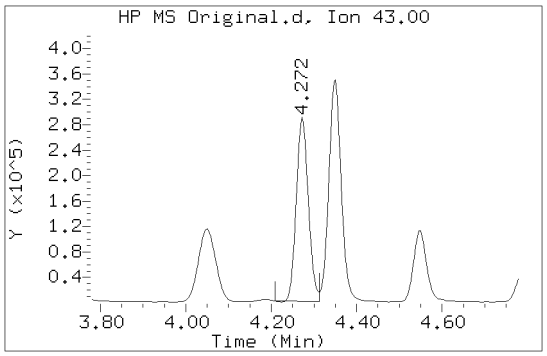


Ethyl Acetate (141-78-6)

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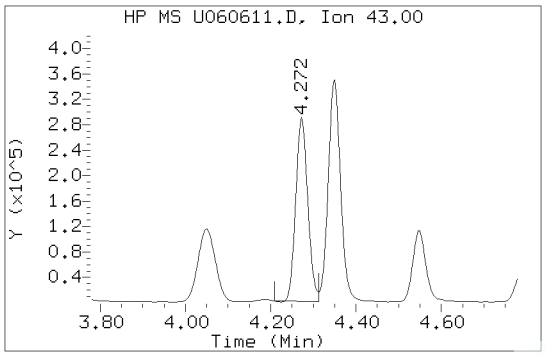
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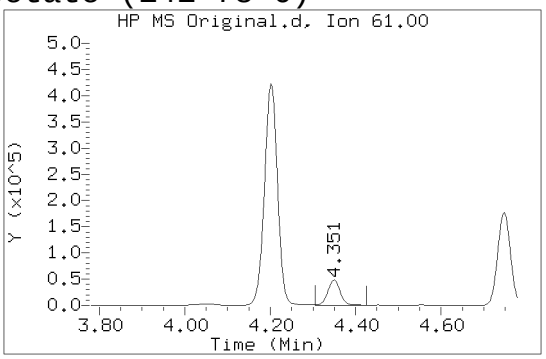
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InstruID : VOA9.i
LabSampID : VSTD100

Ethyl Acetate (141-78-6)

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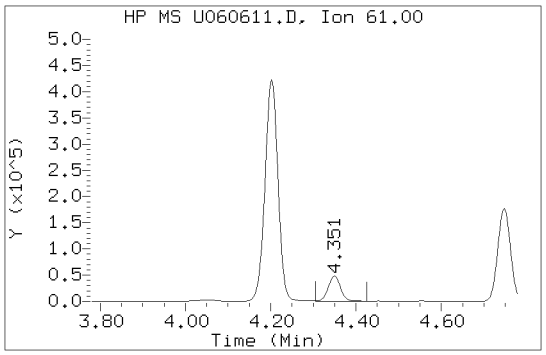
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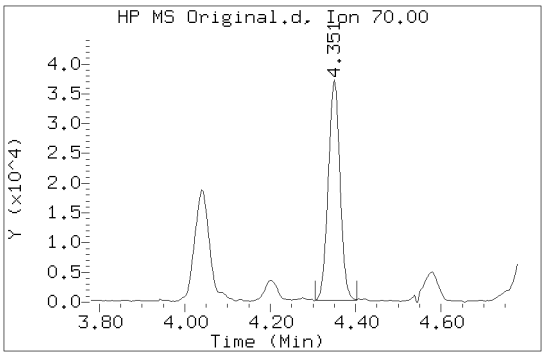
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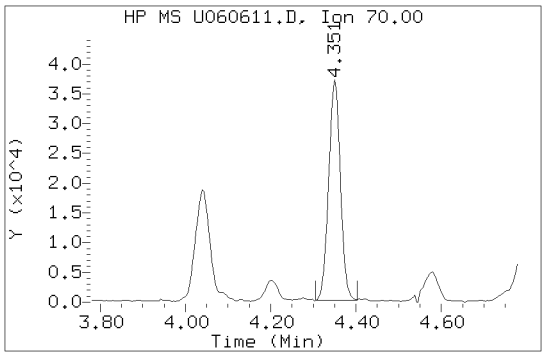
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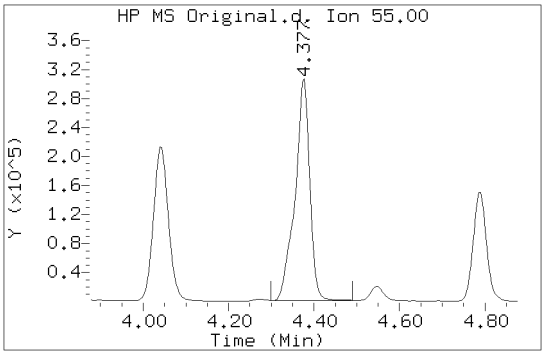


Methyl Acrylate (96-33-3)

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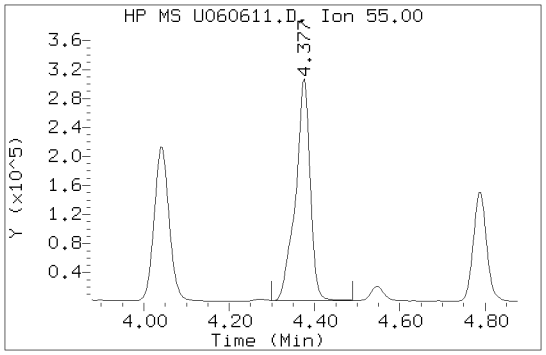
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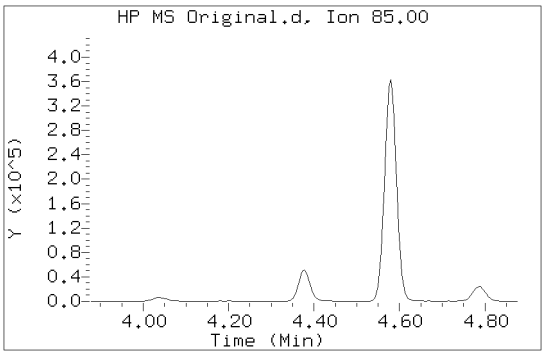
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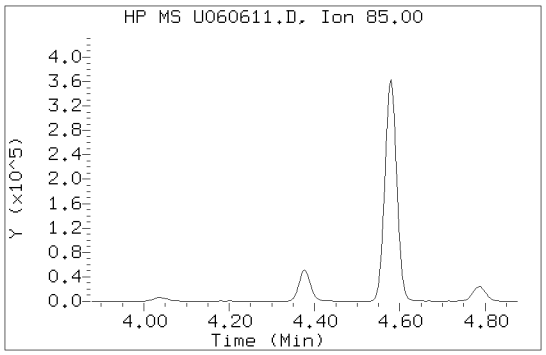
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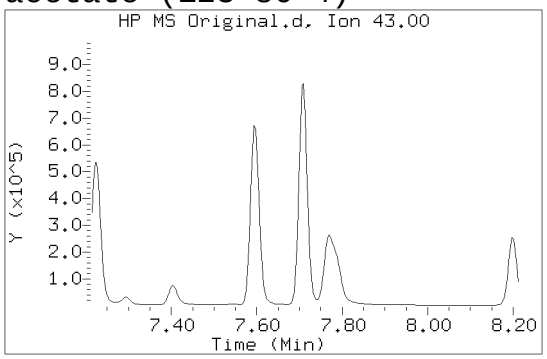


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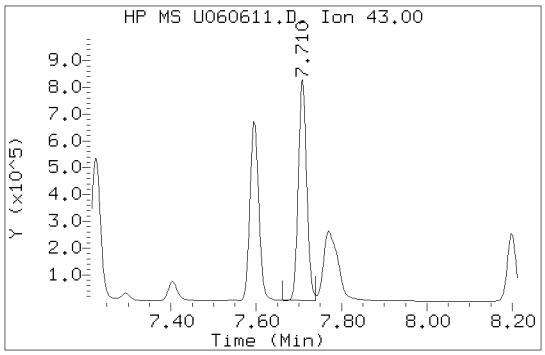
n-Butyl acetate (123-86-4)

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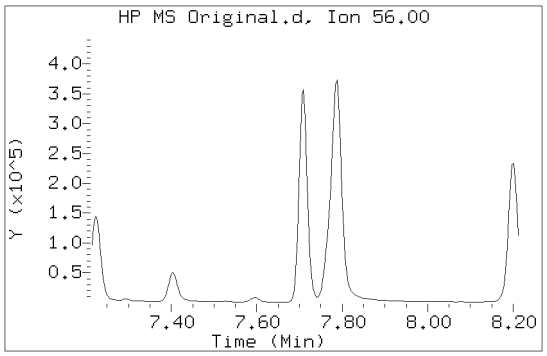
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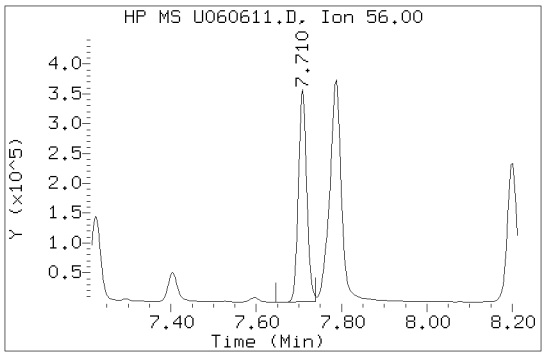
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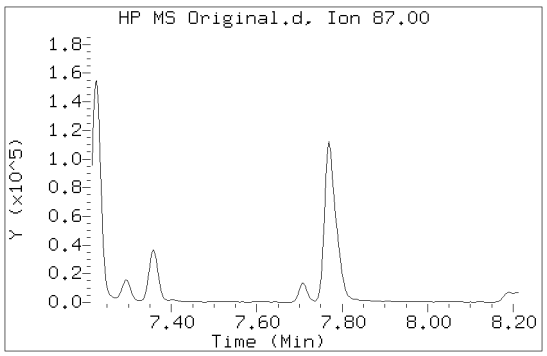
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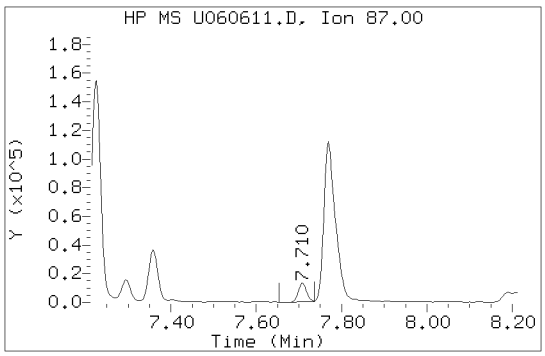
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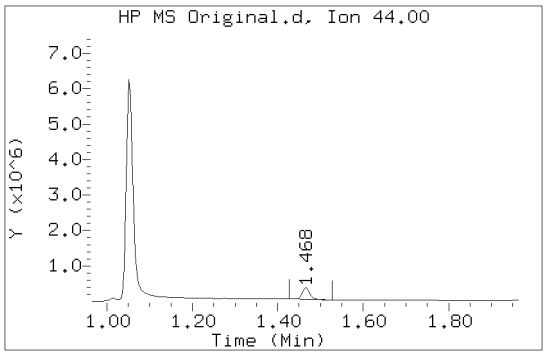
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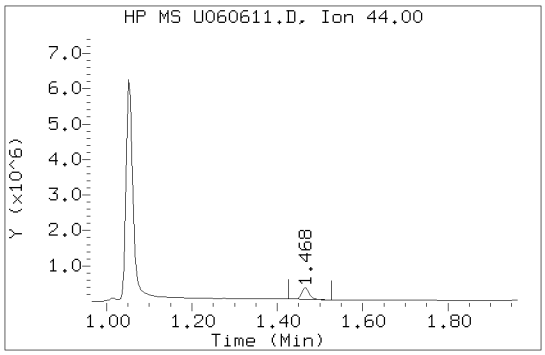
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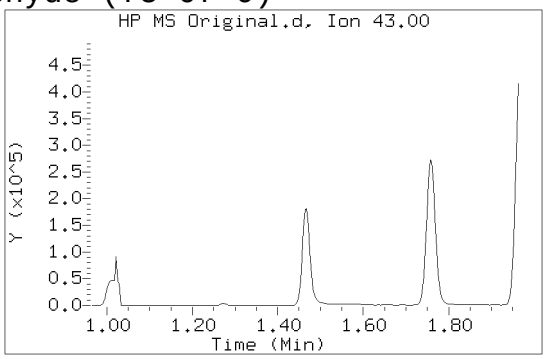


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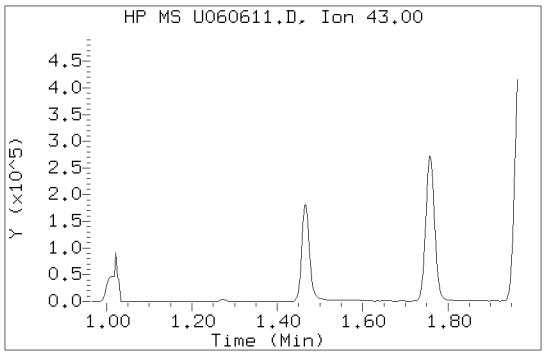
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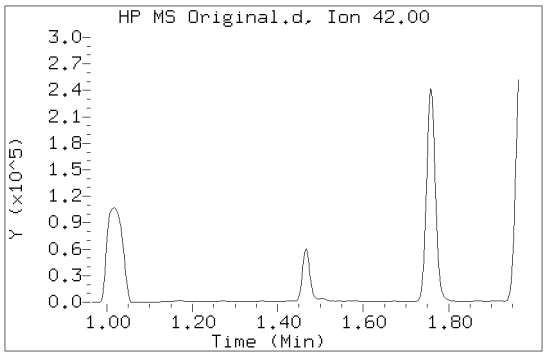
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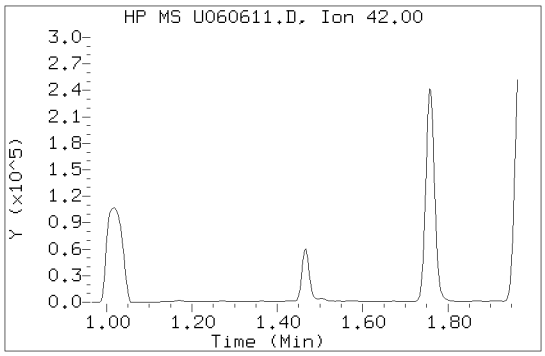
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Report Date: 13-Jun-2023 13:01

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060612.D
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Als bottle: 13 Calibration Sample, Level: 9
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Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
* 1	Pentafluorobenzene	168	4.819	4.819	(1.000)	693393	50.0000	
2	Dichlorodifluoromethane	85	1.168	1.168	(0.242)	960667	150.000	149.79
3	Chloromethane	50	1.299	1.299	(0.270)	1383207	150.000	134.48
5	Vinyl Chloride	62	1.378	1.378	(0.286)	1135719	150.000	154.84
6	Bromomethane	94	1.614	1.614	(0.335)	572508	150.000	155.55
7	Chloroethane	64	1.700	1.700	(0.353)	710334	150.000	143.77
8	Trichlorofluoromethane	101	1.899	1.899	(0.394)	1306396	150.000	155.08
9	Acrolein	56	2.270	2.270	(0.471)	101869	300.000	276.78
10	Acetone	43	2.412	2.412	(0.501)	669020	300.000	291.26
11	1,1-Dichloroethene	96	2.337	2.337	(0.485)	792951	150.000	150.65
15	Iodomethane	142	2.472	2.472	(0.513)	1654094	300.000	314.13
16	Acrylonitrile	53	3.068	3.068	(0.637)	777948	300.000	302.53
17	Methylene Chloride	84	2.799	2.799	(0.581)	934598	150.000	149.80
18	Methyl tert-butyl ether	73	3.087	3.087	(0.641)	2427294	150.000	150.38
19	Carbon Disulfide	76	2.525	2.525	(0.524)	4369759	300.000	310.56
20	trans-1,2-Dichloroethene	96	3.065	3.065	(0.636)	854280	150.000	149.24
21	Vinyl Acetate	43	3.612	3.612	(0.750)	5494788	300.000	314.91
22	1,1-Dichloroethane	63	3.518	3.518	(0.730)	1535399	150.000	141.14
24	2-Butanone	43	4.272	4.272	(0.886)	886610	300.000	280.44
26	2,2-Dichloropropane	77	4.186	4.186	(0.869)	1080274	150.000	149.40

27 cis-1,2-Dichloroethene	96	4.201	4.201 (0.872)	1008606	150.000	147.29
28 Chloroform	83	4.575	4.575 (0.949)	1661391	150.000	146.74

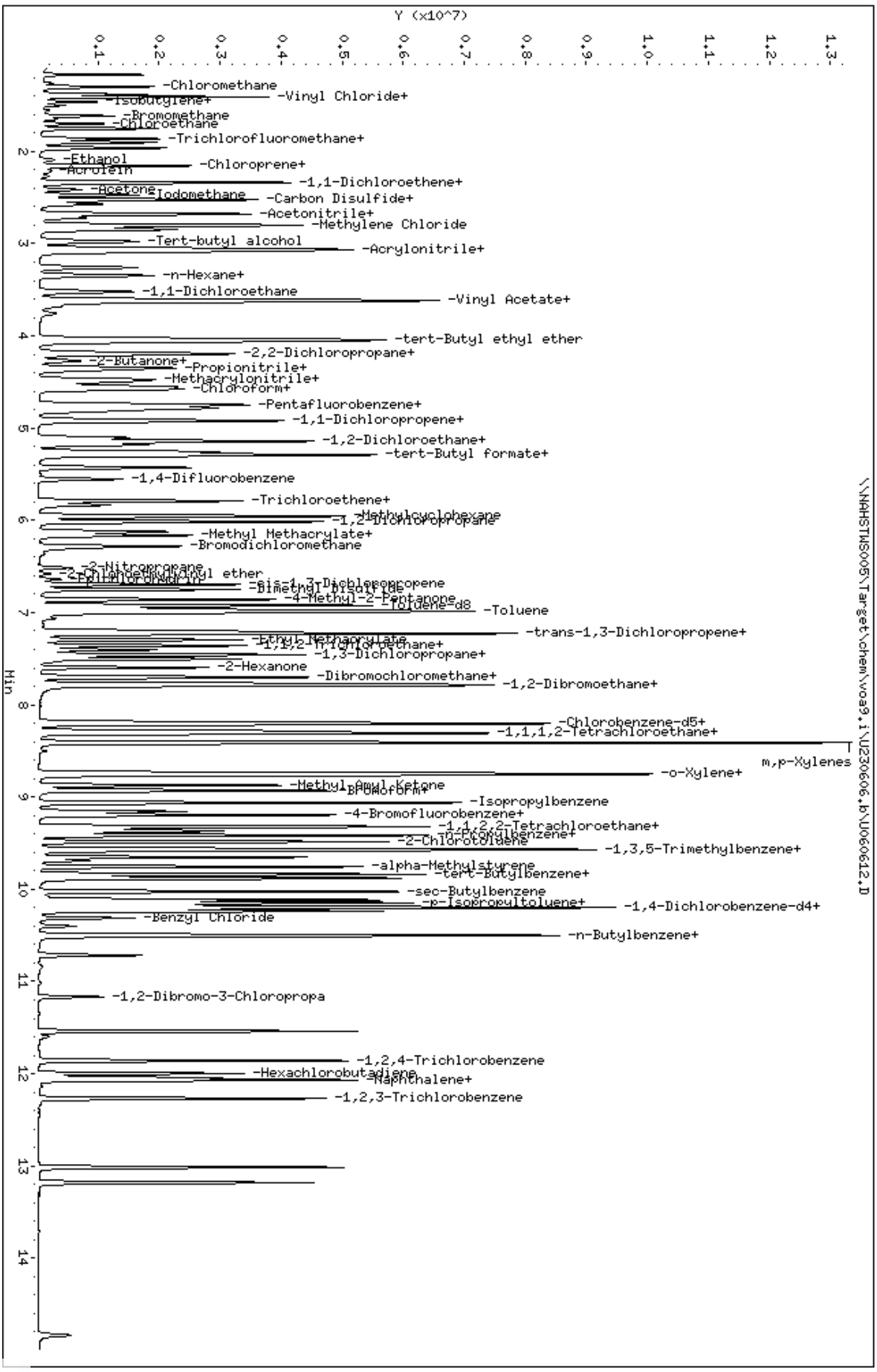
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	29 Bromochloromethane	128	4.474	4.474	(0.928)	547129	150.000	142.83
$	30 Dibromofluoromethane	113	4.752	4.752	(0.986)	869167	150.000	149.96
	31 1,1,1-Trichloroethane	97	4.744	4.744	(0.984)	1344181	150.000	155.77
	32 1,1-Dichloropropene	75	4.924	4.924	(0.887)	1205862	150.000	156.12
	33 1,2-Dichloroethane	62	5.179	5.179	(0.933)	1309746	150.000	143.58
	34 Carbon Tetrachloride	117	4.913	4.913	(0.885)	1159204	150.000	163.38
$	35 1,2-Dichloroethane-d4	65	5.100	5.100	(1.058)	944002	150.000	151.26
*	36 1,4-Difluorobenzene	114	5.554	5.554	(1.000)	1053901	50.0000	
	37 Benzene	78	5.141	5.141	(0.926)	3801057	150.000	149.67
	38 Trichloroethene	130	5.790	5.790	(1.043)	1087941	150.000	147.80
	39 Bromodichloromethane	83	6.281	6.281	(1.131)	1283901	150.000	162.07
	41 2-Chloroethylvinyl ether	63	6.581	6.581	(1.185)	81461	300.000	425.14(A)
	42 1,2-Dichloropropane	63	6.015	6.015	(1.083)	1011740	150.000	149.21
	44 Dibromomethane	93	6.124	6.124	(1.103)	644143	150.000	148.67
	45 4-Methyl-2-Pentanone	43	6.858	6.858	(0.838)	2275634	300.000	307.02
	46 cis-1,3-Dichloropropene	75	6.693	6.693	(1.205)	1649908	150.000	151.42
*	47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	1017824	50.0000	
$	48 Toluene-d8	98	6.922	6.922	(0.846)	3265170	150.000	141.74
	50 Toluene	91	6.982	6.982	(0.853)	4084070	150.000	147.94
	51 trans-1,3-Dichloropropene	75	7.199	7.199	(1.296)	1382903	150.000	150.98
	52 2-Hexanone	43	7.597	7.597	(0.928)	1507185	300.000	291.99
	53 1,1,2-Trichloroethane	83	7.357	7.357	(0.899)	820894	150.000	142.91
	54 1,3-Dichloropropane	76	7.499	7.499	(0.916)	1724053	150.000	146.90
	55 Dibromochloromethane	129	7.694	7.694	(0.940)	1165162	150.000	170.96
	56 Tetrachloroethene	164	7.458	7.458	(0.911)	979028	150.000	145.56
	57 1,2-Dibromoethane	107	7.788	7.788	(0.951)	1030570	150.000	145.44
	58 1-Chlorohexane	55	8.200	8.200	(1.476)	831688	150.000	153.68
	59 Chlorobenzene	112	8.212	8.212	(1.003)	2875380	150.000	145.94
	60 1,1,1,2-Tetrachloroethane	131	8.287	8.287	(1.012)	1071450	150.000	158.22
	61 Ethylbenzene	106	8.309	8.309	(1.015)	1466582	150.000	159.93
	62 m,p-Xylenes	106	8.410	8.410	(1.027)	3636671	300.000	335.20
	63 o-Xylene	106	8.748	8.748	(1.069)	1775674	150.000	165.67
	64 Styrene	104	8.763	8.763	(1.071)	2956532	150.000	173.82
	66 Bromoform	173	8.920	8.920	(1.090)	819014	150.000	178.03
	67 Isopropylbenzene	105	9.063	9.063	(1.107)	4235878	150.000	164.54
	68 1,1,2,2-Tetrachloroethane	83	9.329	9.329	(0.917)	1374039	150.000	140.32
$	69 4-Bromofluorobenzene	95	9.194	9.194	(1.123)	1355424	150.000	151.13
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	520569	50.0000	
	71 1,2,3-Trichloropropane	75	9.362	9.362	(0.920)	1312413	150.000	152.35
	73 n-Propylbenzene	91	9.415	9.415	(0.926)	4668789	150.000	170.98
	74 Bromobenzene	156	9.317	9.317	(0.916)	1305028	150.000	148.57
	75 1,3,5-Trimethylbenzene	105	9.565	9.565	(0.940)	3068129	150.000	163.78
	76 2-Chlorotoluene	91	9.482	9.482	(0.932)	2928853	150.000	152.58
	77 4-Chlorotoluene	91	9.576	9.576	(0.941)	3299464	150.000	155.29
	78 tert-Butylbenzene	119	9.839	9.839	(0.967)	2957735	150.000	160.75
	79 1,2,4-Trimethylbenzene	105	9.880	9.880	(0.971)	2991253	150.000	152.61
	81 sec-Butylbenzene	105	10.026	10.026	(0.986)	3927022	150.000	168.30
	82 p-Isopropyltoluene	119	10.150	10.150	(0.998)	3334448	150.000	170.58
	83 1,3-Dichlorobenzene	146	10.116	10.116	(0.994)	2191876	150.000	146.92
	84 1,4-Dichlorobenzene	146	10.191	10.191	(1.002)	2268941	150.000	142.64
	87 n-Butylbenzene	91	10.495	10.495	(1.032)	2750567	150.000	164.36
	88 1,2-Dichlorobenzene	146	10.506	10.506	(1.033)	2171343	150.000	145.16

89	1,2-Dibromo-3-Chloropropane	155	11.169	11.169 (1.098)	234556	150.000	164.15
90	1,2,4-Trichlorobenzene	180	11.859	11.859 (1.166)	1581317	150.000	153.70

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
91	Hexachlorobutadiene	225	11.998	11.998	(1.179)	641183	150.000	154.32
92	Naphthalene	128	12.069	12.069	(1.186)	3777446	150.000	158.06
93	1,2,3-Trichlorobenzene	180	12.271	12.271	(1.206)	1515436	150.000	150.67
M 94	1,2-Dichloroethylene (total)	96				1862886	300.000	(a)
135	1,4-Dioxane	88	6.172	6.172	(1.281)	279013	3000.00	2026.50
141	Cyclohexane	56	4.785	4.785	(0.993)	1346053	150.000	148.66
138	Freon TF	101	2.337	2.337	(0.485)	744713	150.000	159.91
140	1,3-Butadiene	54	1.408	1.408	(0.292)	1026660	150.000	156.34
147	Methylcyclohexane	55	5.951	5.951	(1.072)	2435816	150.000	166.61(A)
146	Methyl Acetate	43	2.720	2.720	(0.564)	806323	150.000	138.10
148	Tert-Butyl alcohol	59	2.975	2.975	(0.617)	1948328	3000.00	3051.23
149	Isopropyl Alcohol	45	2.574	2.574	(0.534)	1284183	3000.00	2833.01
72	trans-1,4-Dichloro-2-butene	53	9.377	9.377	(1.146)	204272	150.000	174.30(M)
12	Isobutyl Alcohol	43	5.291	5.291	(1.098)	2767410	3000.00	3071.79(M)
13	Acetonitrile	39	2.675	2.675	(0.555)	1141243	1500.00	1520.22
14	Allyl Chloride	41	2.679	2.679	(0.556)	2678647	150.000	148.79
25	Methacrylonitrile	41	4.500	4.500	(0.934)	649391	150.000	158.51
40	Methyl Methacrylate	41	6.161	6.161	(1.278)	969658	150.000	162.64
4	Propionitrile	54	4.347	4.347	(0.902)	1447622	1500.00	1444.77
136	n-Hexane	57	3.346	3.346	(0.694)	933406	150.000	149.31
194	Acetaldehyde	44	1.460	1.460	(0.303)	604743	600.000	632.36(M)
131	Methyl Acrylate	55	4.373	4.373	(0.907)	1119010	150.000	152.59(M)
200	Dimethyl Disulfide	94	6.750	6.750	(0.825)	1542342	150.000	156.55
23	Chloroprene	53	2.161	2.161	(0.449)	341381	150.000	154.36
49	Ethyl Methacrylate	69	7.293	7.293	(1.313)	1503706	150.000	162.76
166	1,2,3-Trimethylbenzene	105	10.236	10.236	(1.006)	2909415	150.000	145.39
167	Ethanol	45	2.090	2.090	(0.434)	261491	3000.00	3068.37
164	Dicyclopentadiene	66	10.202	10.202	(1.003)	3912009	150.000	154.05
145	alpha-Methylstyrene	118	9.756	9.756	(0.959)	1521945	150.000	148.37
142	Tetrahydrofuran	42	4.549	4.549	(0.944)	364883	300.000	302.61
156	Diisopropyl ether	45	3.627	3.627	(0.753)	2879455	150.000	148.92
151	4-Methyl-2-pentanol	45	7.226	7.226	(1.301)	4710347	3000.00	3005.64
150	Allyl alcohol	57	3.346	3.346	(0.694)	933406	3000.00	2986.18
86	Benzyl Chloride	91	10.311	10.311	(1.260)	988530	150.000	154.64
162	Butyl acrylate	55	8.733	8.733	(1.067)	1959643	150.000	162.76
139	Diethyl ether	59	2.150	2.150	(0.446)	716609	150.000	152.95
203	2-Ethylhexyl Acrylate	55	12.043	12.043	(1.184)	905239	150.000	153.98
134	Cyclohexanone	55	9.156	9.156	(0.900)	877279	3000.00	2718.28
130	Ethyl Acetate	43	4.272	4.272	(0.886)	876170	150.000	141.35(M)
189	n-Butyl acetate	43	7.709	7.709	(0.942)	1856486	150.000	160.19(M)
182	Epichlorohydrin	57	6.633	6.633	(1.194)	78090	600.000	617.79

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.
M - Compound response manually integrated.



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Sample Info: VSTD150;VSTD150;1;9;
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Column phase: DB624

Instrument: VOA9.i
Operator: PC
Column diameter: 0.18

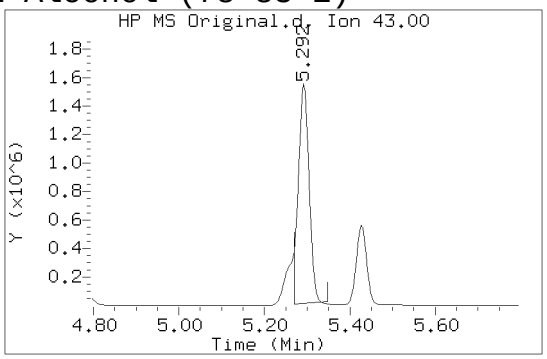
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LabSampID : VSTD150

Isobutyl Alcohol (78-83-1)

Reason Code:

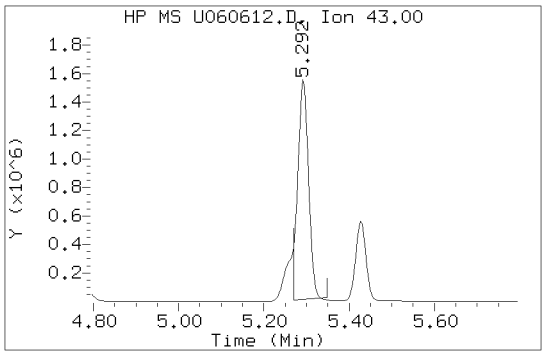
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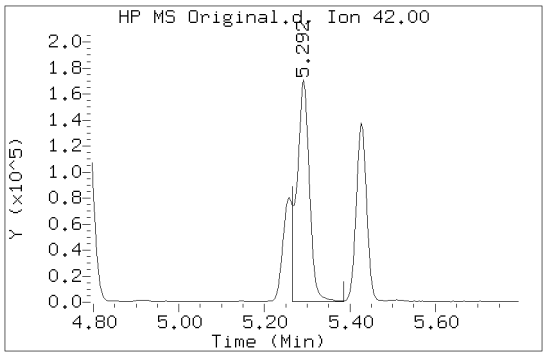
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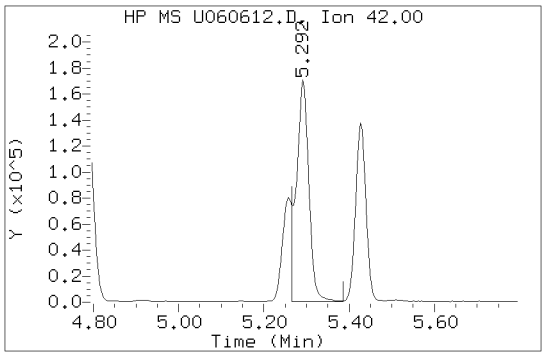
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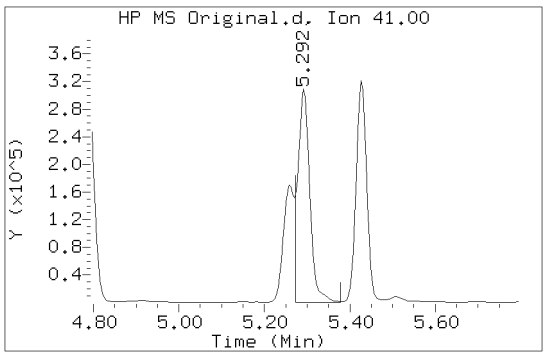
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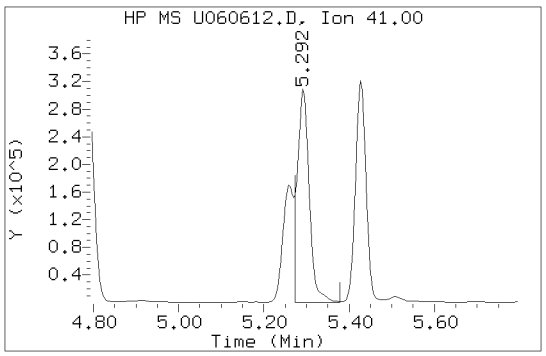
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HEIGHT
308323
08-Jun-2023
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AFTER

MASS
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13-Jun-2023
13:00
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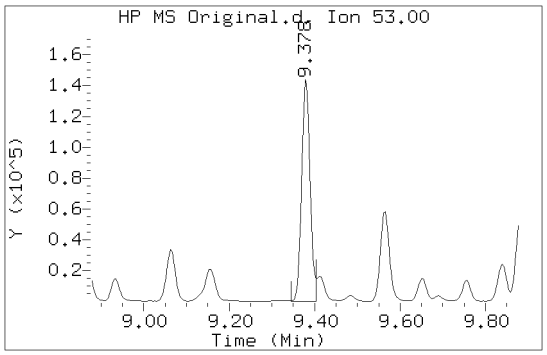


trans-1,4-Dichloro-2-butene (110-57-6)

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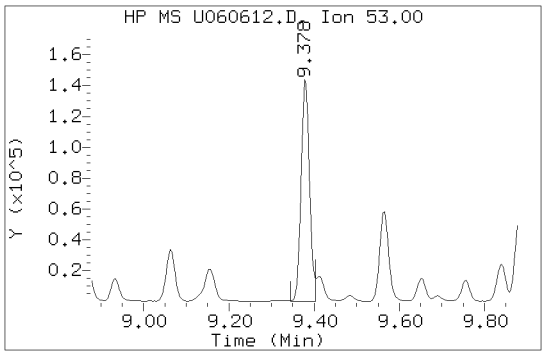
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AFTER

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HEIGHT
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13-Jun-2023
13:00
linh
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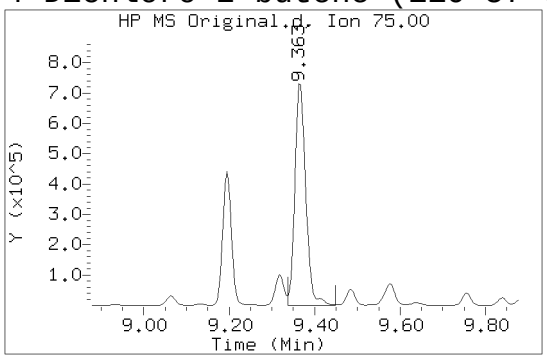
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Inj Date : 06-JUN-2023 15:19
InstruID : VOA9.i
LabSampID : VSTD150

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

Reason Code:

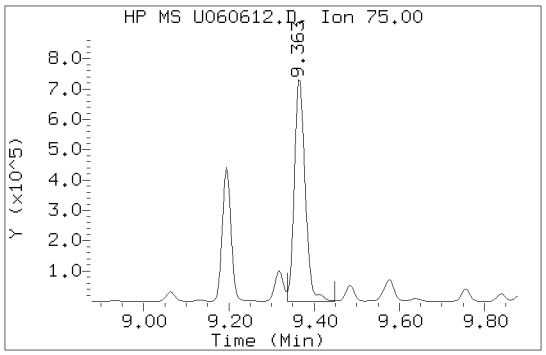
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AFTER

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13-Jun-2023
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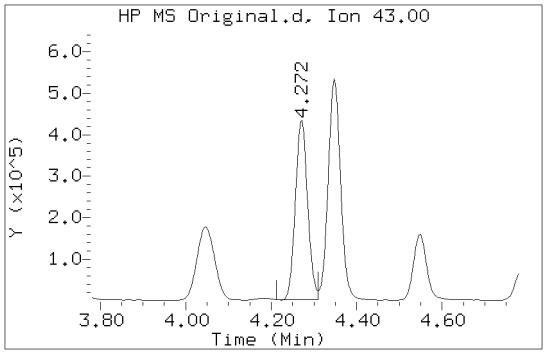


Ethyl Acetate (141-78-6)

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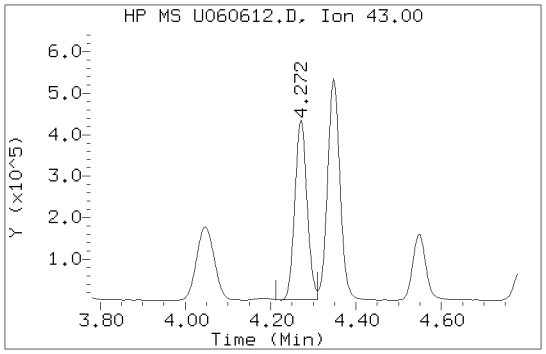
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14:56
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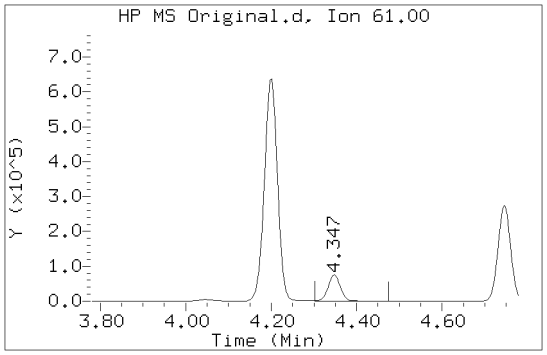
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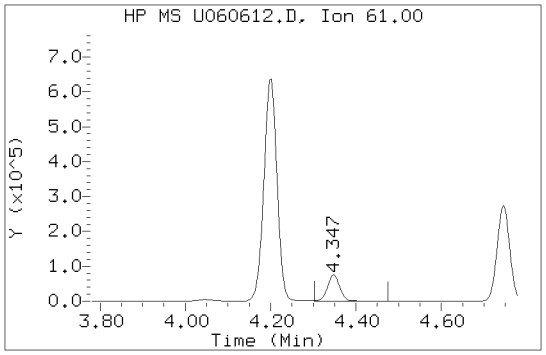
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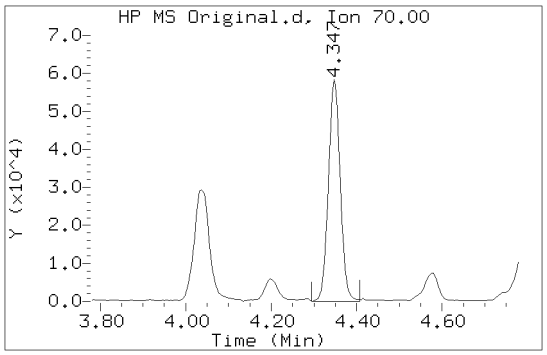
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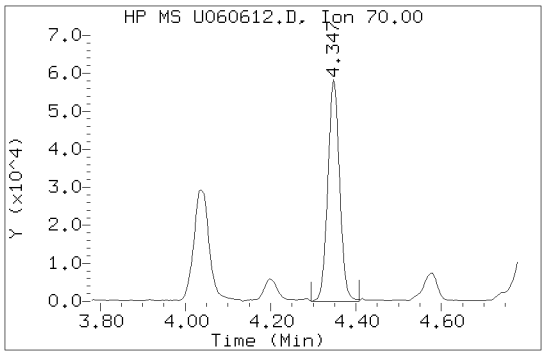
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AFTER

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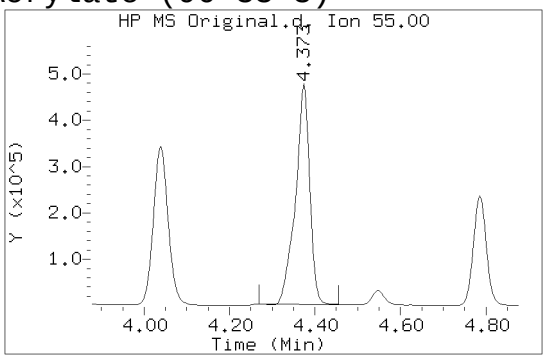
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Inj Date : 06-JUN-2023 15:19
InstruID : VOA9.i
LabSampID : VSTD150

Methyl Acrylate (96-33-3)

Reason Code:

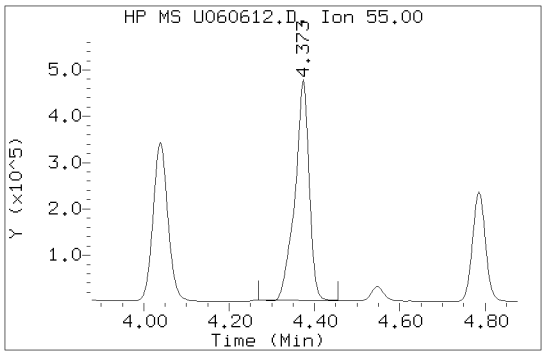
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08-Jun-2023
14:56
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pham



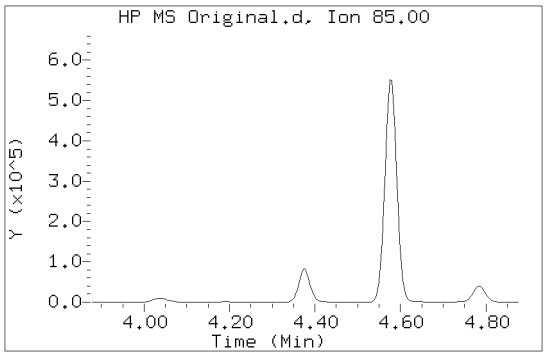
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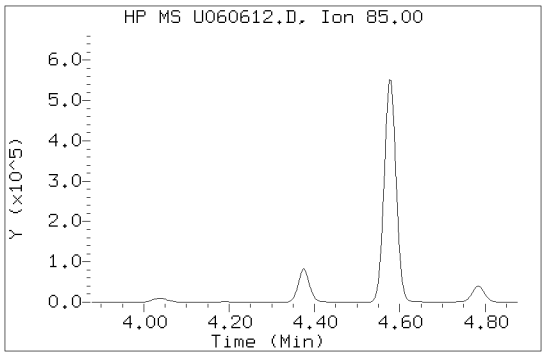
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08-Jun-2023
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AFTER

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13-Jun-2023
13:00
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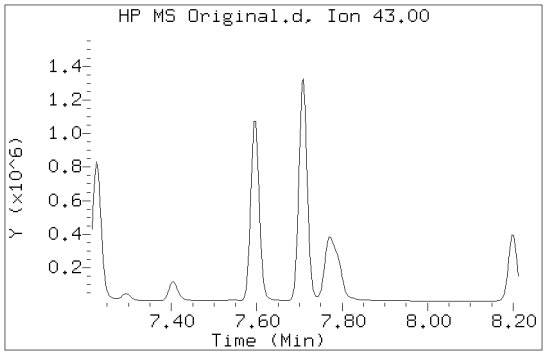


n-Butyl acetate (123-86-4)

Reason Code:

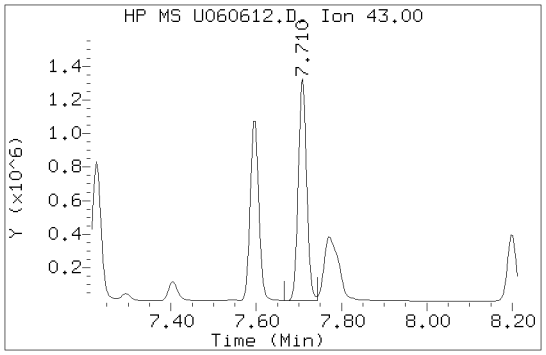
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08-Jun-2023
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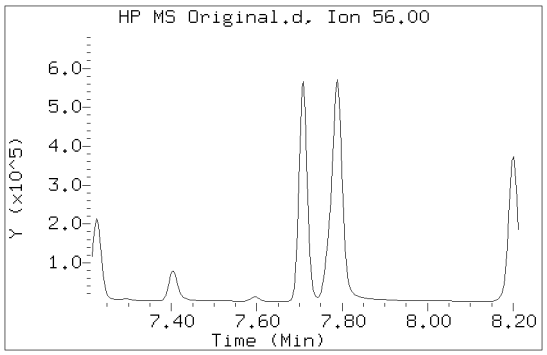
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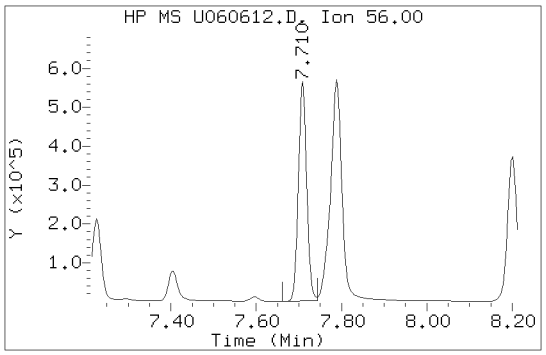
BEFORE

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AFTER

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13-Jun-2023
13:00
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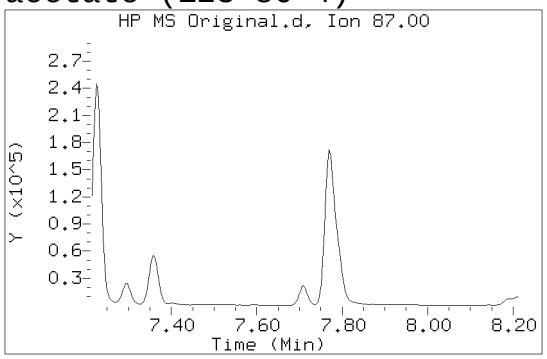
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Inj Date : 06-JUN-2023 15:19
InstruID : VOA9.i
LabSampID : VSTD150

n-Butyl acetate (123-86-4)

Reason Code:

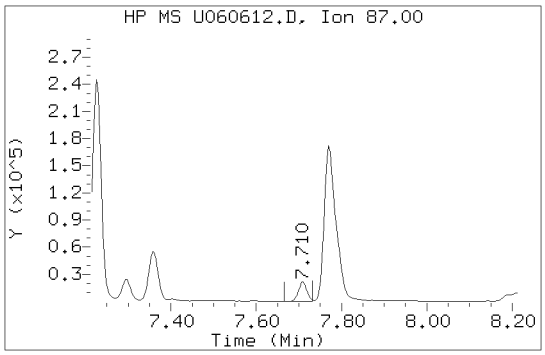
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08-Jun-2023
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AFTER

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13-Jun-2023
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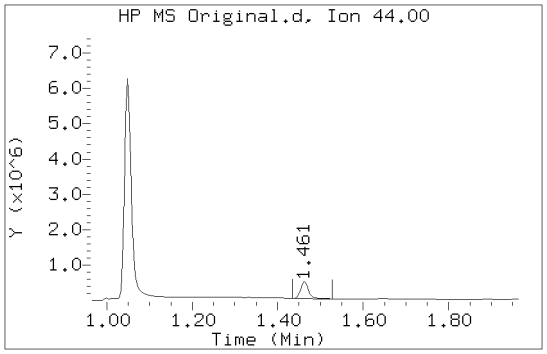


Acetaldehyde (75-07-0)

Reason Code:

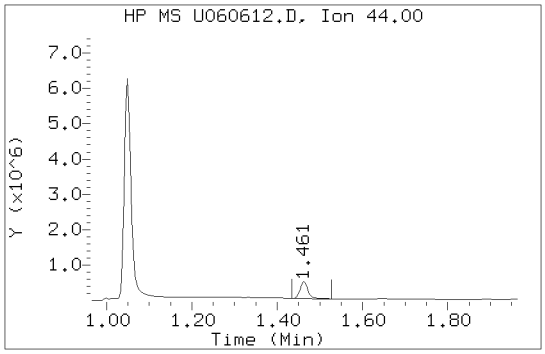
BEFORE

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08-Jun-2023
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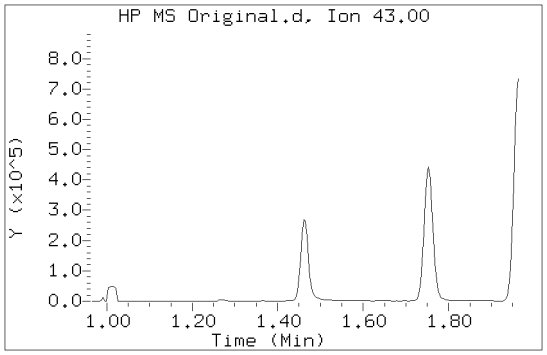
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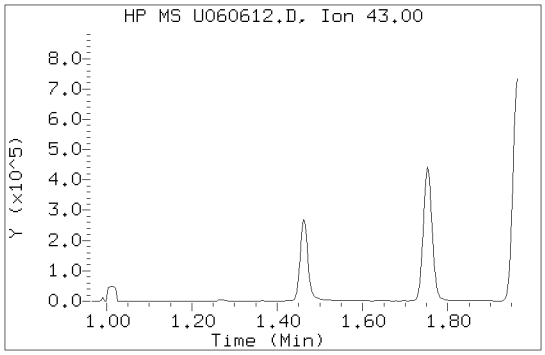
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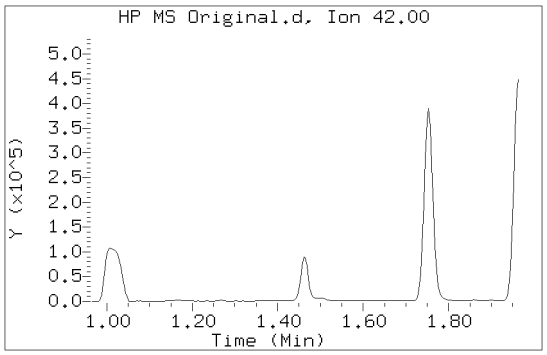
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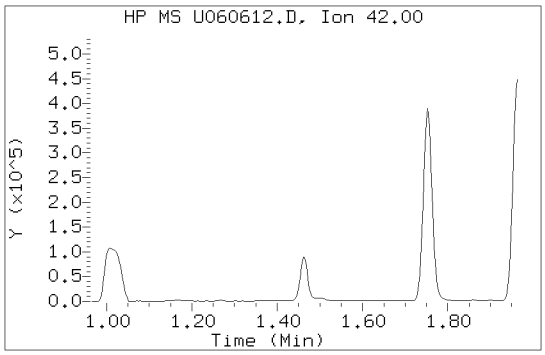
BEFORE

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AFTER

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HEIGHT
0
13-Jun-2023
13:00
linh
pham



Data File: \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060613.D Page 1
Report Date: 13-Jun-2023 13:01

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060613.D
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Inj Date : 06-JUN-2023 15:41
Operator : PC Inst ID: VOA9.i
Smp Info : VSTD200;VSTD200;1;10;
Misc Info : V9;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\8260C.m
Meth Date : 13-Jun-2023 13:01 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 15:19 Cal File: U060612.D
Als bottle: 14 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
* 1	Pentafluorobenzene	168	4.819	4.819	(1.000)	719289	50.0000	
2	Dichlorodifluoromethane	85	1.168	1.168	(0.242)	1327832	200.000	199.55
3	Chloromethane	50	1.303	1.303	(0.270)	1811207	200.000	170.11
5	Vinyl Chloride	62	1.382	1.382	(0.287)	1577666	200.000	207.36(A)
6	Bromomethane	94	1.614	1.614	(0.335)	739966	200.000	194.26
7	Chloroethane	64	1.700	1.700	(0.353)	966868	200.000	188.65
8	Trichlorofluoromethane	101	1.903	1.903	(0.395)	1797881	200.000	205.74(A)
9	Acrolein	56	2.270	2.270	(0.471)	145745	400.000	381.74
10	Acetone	43	2.416	2.416	(0.501)	921553	400.000	388.62
11	1,1-Dichloroethene	96	2.341	2.341	(0.486)	1106671	200.000	202.69(A)
15	Iodomethane	142	2.472	2.472	(0.513)	2389174	400.000	393.17
16	Acrylonitrile	53	3.072	3.072	(0.638)	1044690	400.000	391.64
17	Methylene Chloride	84	2.799	2.799	(0.581)	1286266	200.000	199.09
18	Methyl tert-butyl ether	73	3.087	3.087	(0.641)	3267974	200.000	195.18
19	Carbon Disulfide	76	2.525	2.525	(0.524)	6034238	400.000	413.41(A)
20	trans-1,2-Dichloroethene	96	3.065	3.065	(0.636)	1205698	200.000	203.05(A)
21	Vinyl Acetate	43	3.616	3.616	(0.750)	7382189	400.000	407.85(A)
22	1,1-Dichloroethane	63	3.522	3.522	(0.731)	2108962	200.000	186.89
24	2-Butanone	43	4.272	4.272	(0.886)	1191616	400.000	363.35
26	2,2-Dichloropropane	77	4.189	4.189	(0.869)	1505657	200.000	200.60(A)

27 cis-1,2-Dichloroethene	96	4.204	4.204 (0.872)	1388156	200.000	195.41
28 Chloroform	83	4.579	4.579 (0.950)	2274175	200.000	193.63

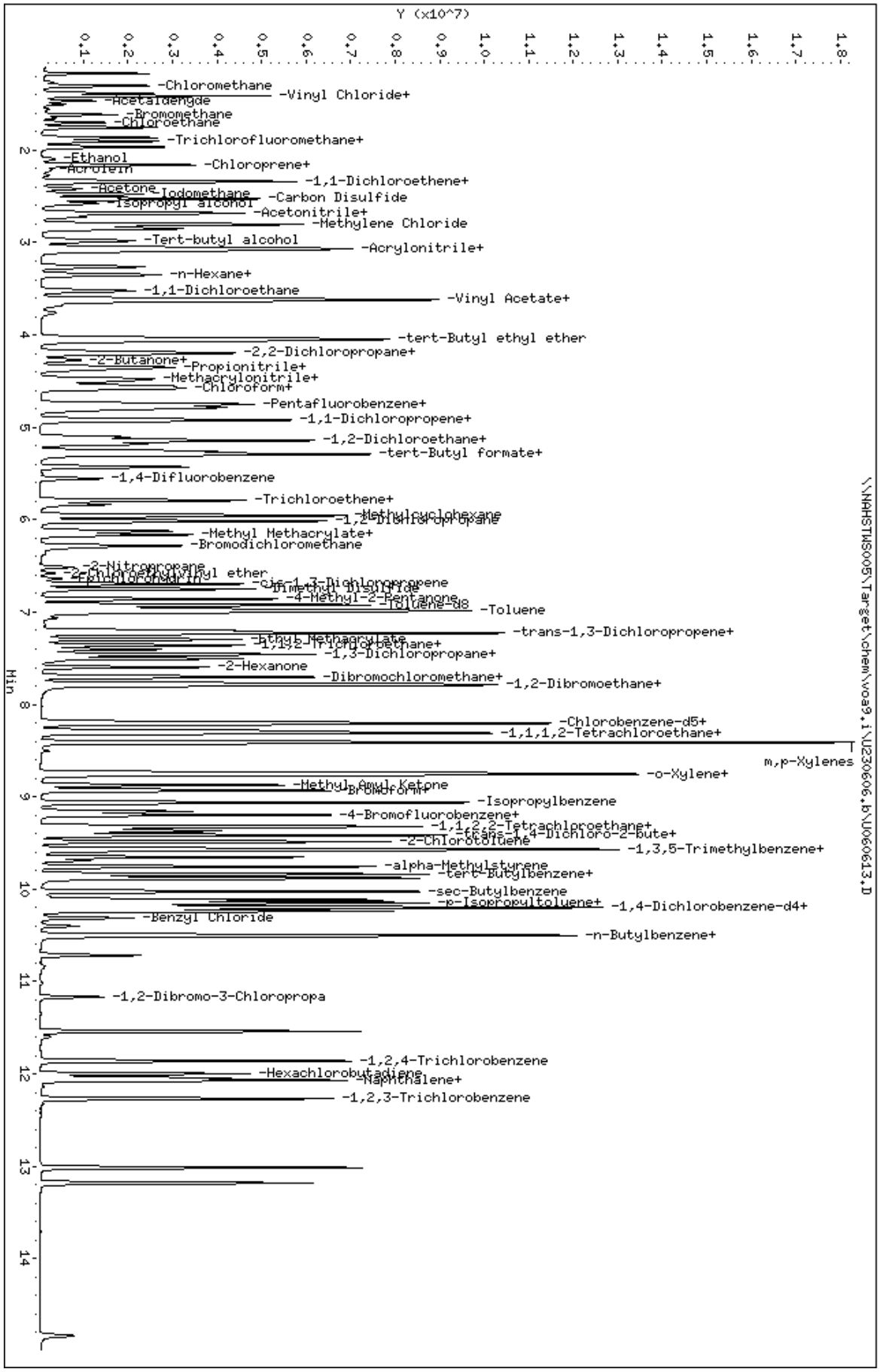
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	29 Bromochloromethane	128	4.474	4.474	(0.928)	727780	200.000	183.15
$	30 Dibromofluoromethane	113	4.755	4.755	(0.987)	1189943	200.000	198.02
	31 1,1,1-Trichloroethane	97	4.748	4.748	(0.985)	1886386	200.000	210.74(A)
	32 1,1-Dichloropropene	75	4.924	4.924	(0.886)	1700729	200.000	212.75(A)
	33 1,2-Dichloroethane	62	5.183	5.183	(0.933)	1771626	200.000	187.66
	34 Carbon Tetrachloride	117	4.917	4.917	(0.885)	1637950	200.000	223.06(A)
$	35 1,2-Dichloroethane-d4	65	5.104	5.104	(1.059)	1273587	200.000	196.93
*	36 1,4-Difluorobenzene	114	5.558	5.558	(1.000)	1090740	50.0000	
	37 Benzene	78	5.141	5.141	(0.925)	5184803	200.000	197.26
	38 Trichloroethene	130	5.790	5.790	(1.042)	1521502	200.000	199.72
	39 Bromodichloromethane	83	6.281	6.281	(1.130)	1771493	200.000	216.07(A)
	41 2-Chloroethylvinyl ether	63	6.581	6.581	(1.184)	132164	400.000	666.47(A)
	42 1,2-Dichloropropane	63	6.015	6.015	(1.082)	1391632	200.000	198.30
	44 Dibromomethane	93	6.124	6.124	(1.102)	883833	200.000	197.11
	45 4-Methyl-2-Pentanone	43	6.858	6.858	(0.838)	3098336	400.000	401.08(A)
	46 cis-1,3-Dichloropropene	75	6.693	6.693	(1.204)	2272308	200.000	200.87(A)
*	47 Chlorobenzene-d5	117	8.189	8.189	(1.000)	1060812	50.0000	
$	48 Toluene-d8	98	6.926	6.926	(0.846)	4434953	200.000	184.71
	50 Toluene	91	6.982	6.982	(0.853)	5549820	200.000	192.89
	51 trans-1,3-Dichloropropene	75	7.199	7.199	(1.295)	1913130	200.000	201.14(A)
	52 2-Hexanone	43	7.597	7.597	(0.928)	2078685	400.000	386.39
	53 1,1,2-Trichloroethane	83	7.357	7.357	(0.898)	1110628	200.000	185.51
	54 1,3-Dichloropropane	76	7.503	7.503	(0.916)	2327172	200.000	190.26
	55 Dibromochloromethane	129	7.694	7.694	(0.940)	1606540	200.000	226.17(A)
	56 Tetrachloroethene	164	7.458	7.458	(0.911)	1393824	200.000	198.83
	57 1,2-Dibromoethane	107	7.788	7.788	(0.951)	1398022	200.000	189.30
	58 1-Chlorohexane	55	8.200	8.200	(1.475)	1197273	200.000	213.76(A)
	59 Chlorobenzene	112	8.212	8.212	(1.003)	3927200	200.000	191.25
	60 1,1,1,2-Tetrachloroethane	131	8.287	8.287	(1.012)	1485967	200.000	210.54(A)
	61 Ethylbenzene	106	8.309	8.309	(1.015)	2034447	200.000	212.86(A)
	62 m,p-Xylenes	106	8.410	8.410	(1.027)	5028837	400.000	444.73(A)
	63 o-Xylene	106	8.748	8.748	(1.068)	2445057	200.000	218.88(A)
	64 Styrene	104	8.763	8.763	(1.070)	4009853	200.000	226.19(A)
	66 Bromoform	173	8.920	8.920	(1.089)	1122084	200.000	234.02(A)
	67 Isopropylbenzene	105	9.063	9.063	(1.107)	5892020	200.000	219.60(A)
	68 1,1,2,2-Tetrachloroethane	83	9.332	9.332	(0.917)	1811573	200.000	181.35
$	69 4-Bromofluorobenzene	95	9.194	9.194	(1.123)	1832443	200.000	196.31
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	531037	50.0000	
	71 1,2,3-Trichloropropane	75	9.366	9.366	(0.921)	1763864	200.000	200.72(A)
	73 n-Propylbenzene	91	9.415	9.415	(0.926)	6509511	200.000	233.69(A)
	74 Bromobenzene	156	9.321	9.321	(0.916)	1773376	200.000	197.92
	75 1,3,5-Trimethylbenzene	105	9.565	9.565	(0.940)	4383254	200.000	229.37(A)
	76 2-Chlorotoluene	91	9.486	9.486	(0.933)	3980132	200.000	203.26(A)
	77 4-Chlorotoluene	91	9.576	9.576	(0.941)	4532900	200.000	209.14(A)
	78 tert-Butylbenzene	119	9.839	9.839	(0.967)	4141351	200.000	220.65(A)
	79 1,2,4-Trimethylbenzene	105	9.880	9.880	(0.971)	4284336	200.000	214.27(A)
	81 sec-Butylbenzene	105	10.026	10.026	(0.986)	5530698	200.000	232.36(A)
	82 p-Isopropyltoluene	119	10.150	10.150	(0.998)	4785361	200.000	239.98(A)
	83 1,3-Dichlorobenzene	146	10.116	10.116	(0.994)	3007133	200.000	197.60
	84 1,4-Dichlorobenzene	146	10.191	10.191	(1.002)	3094412	200.000	190.71
	87 n-Butylbenzene	91	10.495	10.495	(1.032)	3970657	200.000	232.59(A)
	88 1,2-Dichlorobenzene	146	10.506	10.506	(1.033)	2966505	200.000	194.42

89	1,2-Dibromo-3-Chloropropane	155	11.169	11.169 (1.098)	327879	200.000	224.94(A)
90	1,2,4-Trichlorobenzene	180	11.859	11.859 (1.166)	2208303	200.000	210.41(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
91	Hexachlorobutadiene	225	11.998	11.998	(1.179)	915431	200.000	215.98(A)
92	Naphthalene	128	12.069	12.069	(1.186)	5090967	200.000	208.82(A)
93	1,2,3-Trichlorobenzene	180	12.268	12.268	(1.206)	2101950	200.000	204.86(A)
M 94	1,2-Dichloroethylene (total)	96				2593854	400.000	(a)
135	1,4-Dioxane	88	6.172	6.172	(1.281)	359619	4000.00	2517.91
141	Cyclohexane	56	4.785	4.785	(0.993)	1948136	200.000	200.21(A)
138	Freon TF	101	2.341	2.341	(0.486)	1062416	200.000	219.92(A)
140	1,3-Butadiene	54	1.412	1.412	(0.293)	1426460	200.000	209.40(A)
147	Methylcyclohexane	55	5.951	5.951	(1.071)	3311608	200.000	218.86(A)
146	Methyl Acetate	43	2.720	2.720	(0.564)	1087855	200.000	179.61
148	Tert-Butyl alcohol	59	2.978	2.978	(0.618)	2615413	4000.00	3949.93
149	Isopropyl Alcohol	45	2.577	2.577	(0.535)	1712648	4000.00	3642.22
72	trans-1,4-Dichloro-2-butene	53	9.381	9.381	(1.146)	280535	200.000	229.67(A)
12	Isobutyl Alcohol	43	5.291	5.291	(1.098)	3974379	4000.00	4252.69(AM)
13	Acetonitrile	39	2.679	2.679	(0.556)	1502696	2000.00	1929.63
14	Allyl Chloride	41	2.679	2.679	(0.556)	3531503	200.000	189.10
25	Methacrylonitrile	41	4.500	4.500	(0.934)	862110	200.000	202.86(A)
40	Methyl Methacrylate	41	6.161	6.161	(1.278)	1311723	200.000	212.09(A)
4	Propionitrile	54	4.350	4.350	(0.903)	1943419	2000.00	1869.76
136	n-Hexane	57	3.350	3.350	(0.695)	1358253	200.000	199.96
194	Acetaldehyde	44	1.464	1.464	(0.304)	813402	800.000	819.92(AM)
131	Methyl Acrylate	55	4.377	4.377	(0.908)	1518708	200.000	199.64(M)
200	Dimethyl Disulfide	94	6.750	6.750	(0.824)	2303909	200.000	196.98
23	Chloroprene	53	2.165	2.165	(0.449)	488469	200.000	212.92(A)
49	Ethyl Methacrylate	69	7.297	7.297	(1.313)	2085234	200.000	218.09(A)
166	1,2,3-Trimethylbenzene	105	10.236	10.236	(1.006)	4057323	200.000	198.76
167	Ethanol	45	2.098	2.098	(0.435)	342926	4000.00	3885.10
164	Dicyclopentadiene	66	10.202	10.202	(1.003)	5181324	200.000	200.01(A)
145	alpha-Methylstyrene	118	9.756	9.756	(0.959)	2162870	200.000	205.31(A)
142	Tetrahydrofuran	42	4.549	4.549	(0.944)	488623	400.000	391.34
156	Diisopropyl ether	45	3.631	3.631	(0.753)	3891038	200.000	194.00
151	4-Methyl-2-pentanol	45	7.226	7.226	(1.300)	6448455	4000.00	3975.75
150	Allyl alcohol	57	3.350	3.350	(0.695)	1358253	4000.00	3999.38
86	Benzyl Chloride	91	10.311	10.311	(1.259)	1346925	200.000	201.11(A)
162	Butyl acrylate	55	8.733	8.733	(1.066)	2685275	200.000	213.99(A)
139	Diethyl ether	59	2.154	2.154	(0.447)	970215	200.000	199.62
203	2-Ethylhexyl Acrylate	55	12.039	12.039	(1.184)	1300346	200.000	198.09
134	Cyclohexanone	55	9.156	9.156	(0.900)	1223605	4000.00	3716.65
130	Ethyl Acetate	43	4.272	4.272	(0.886)	1152217	200.000	179.20(M)
189	n-Butyl acetate	43	7.709	7.709	(0.941)	2542322	200.000	210.47(AM)
182	Epichlorohydrin	57	6.633	6.633	(1.194)	120896	800.000	793.08

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.
M - Compound response manually integrated.



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Client ID: VSTD200
Sample Info: VSTD200;VSTD200;1;10;
Purge Volume: 5.0
Column phase: DB624

Instrument: VOA9.i
Operator: PC
Column diameter: 0.18

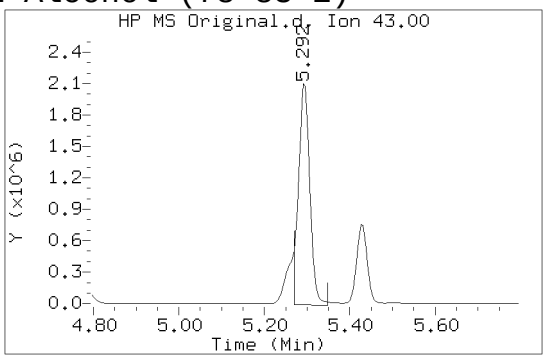
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LabSampID : VSTD200

Isobutyl Alcohol (78-83-1)

Reason Code:

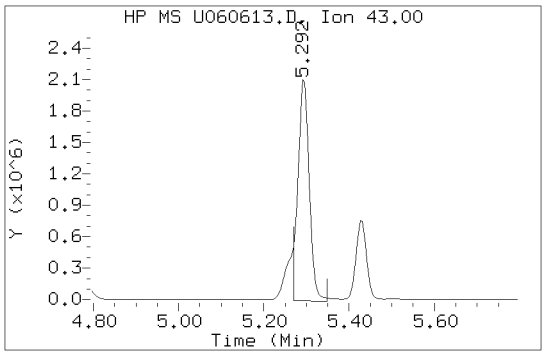
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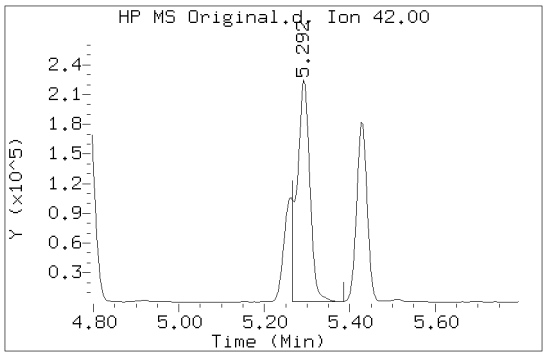
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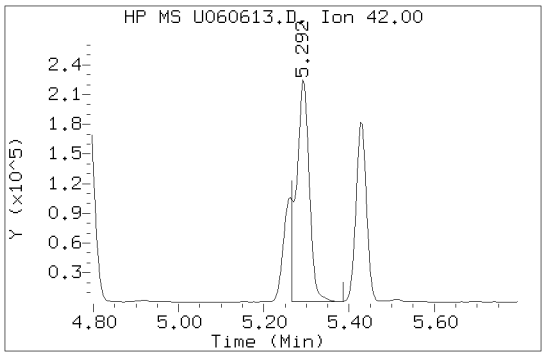
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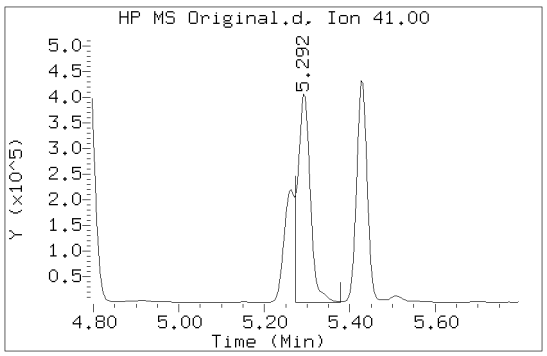
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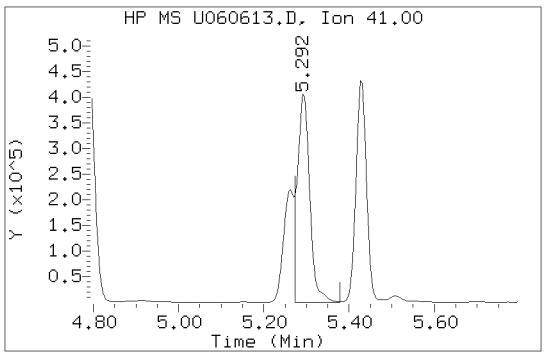
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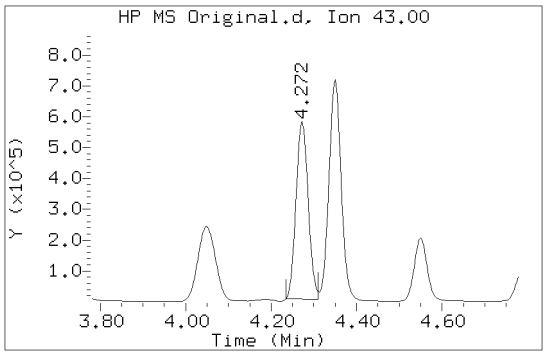


Ethyl Acetate (141-78-6)

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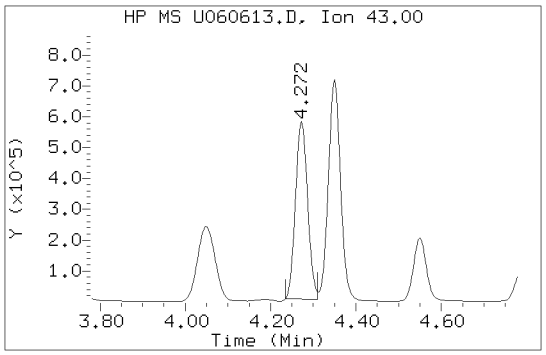
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AFTER

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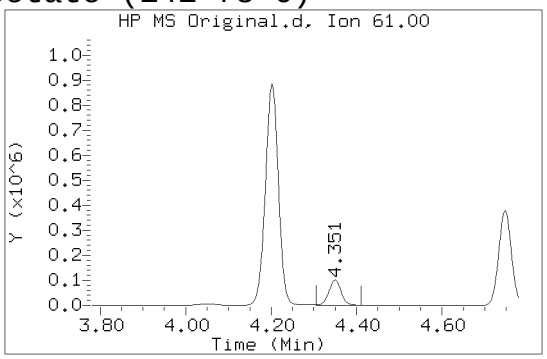
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LabSampID : VSTD200

Ethyl Acetate (141-78-6)

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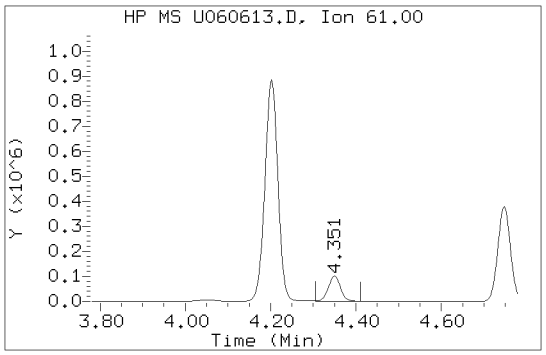
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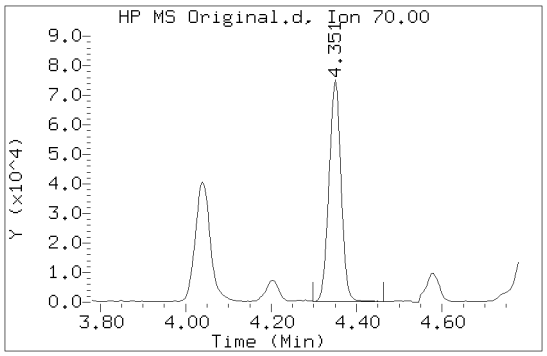
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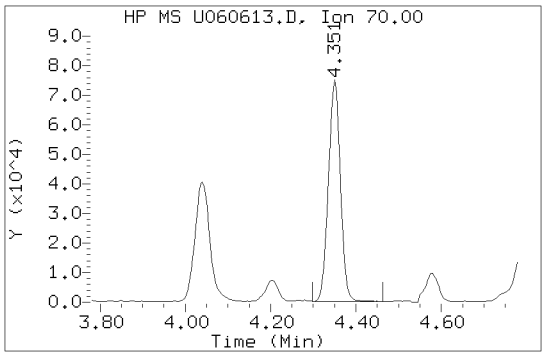
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AFTER

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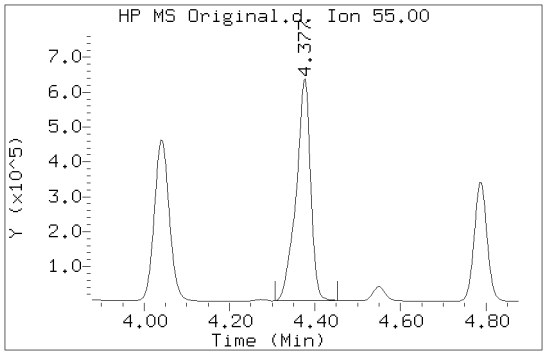


Methyl Acrylate (96-33-3)

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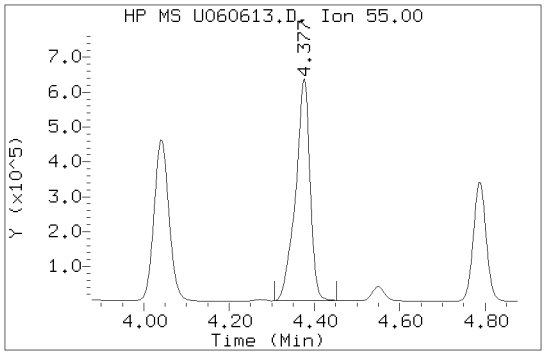
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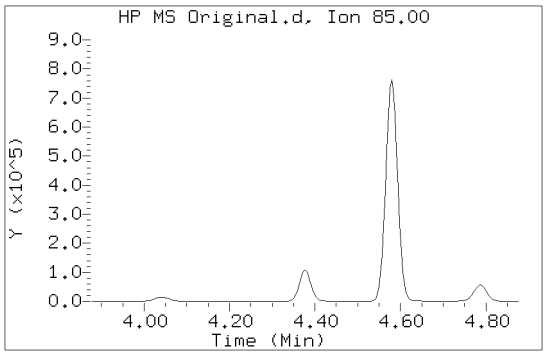
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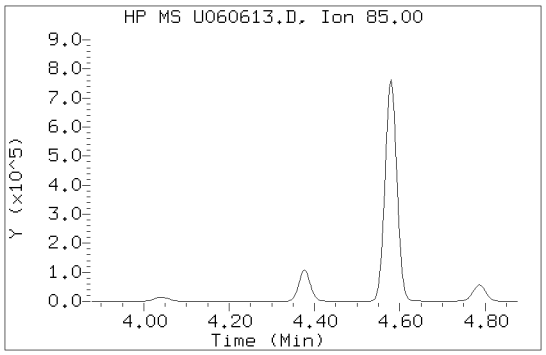
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AFTER

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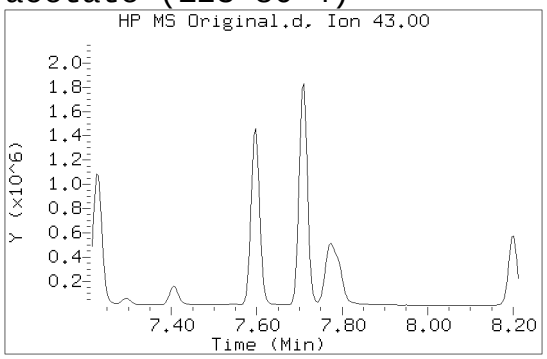


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InstruID : VOA9.i
LabSampID : VSTD200

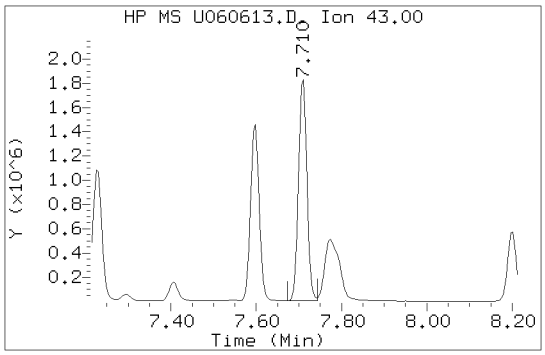
n-Butyl acetate (123-86-4)

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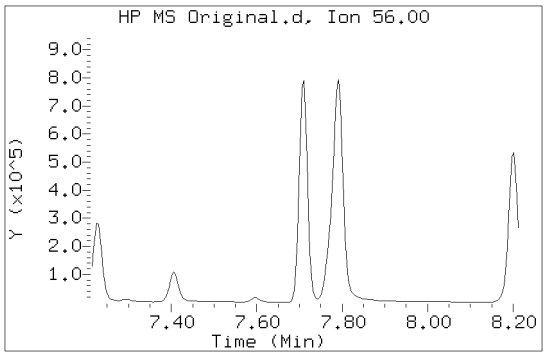
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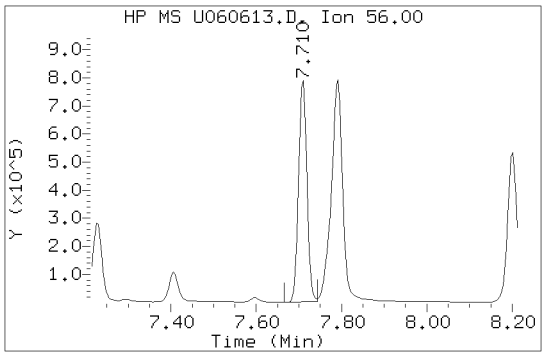
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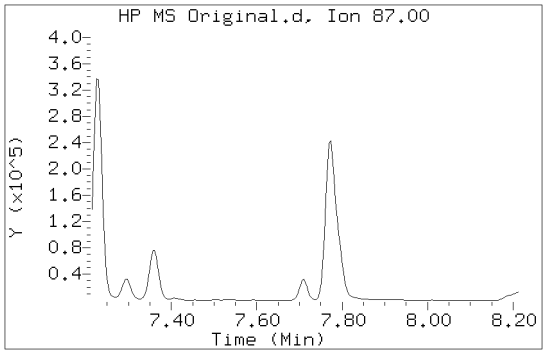
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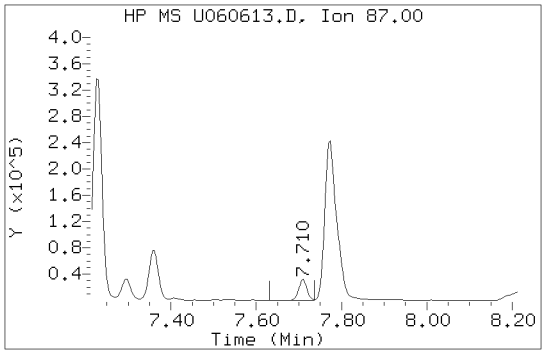
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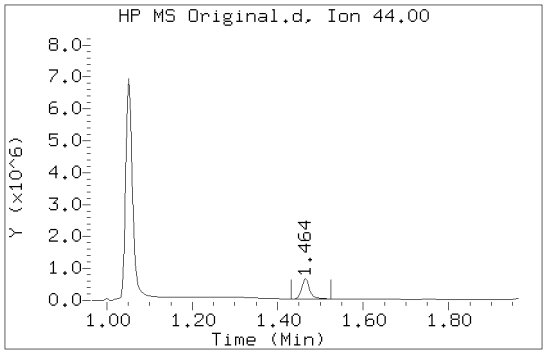
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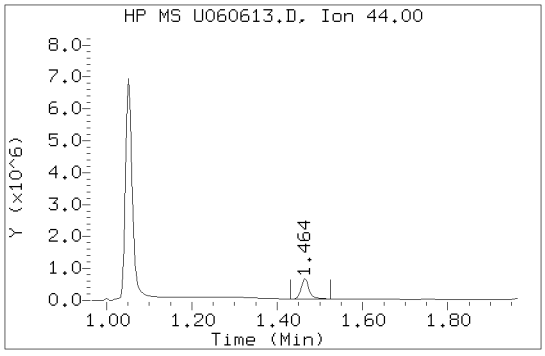
Acetaldehyde (75-07-0)

Reason Code:

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08-Jun-2023
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AFTER
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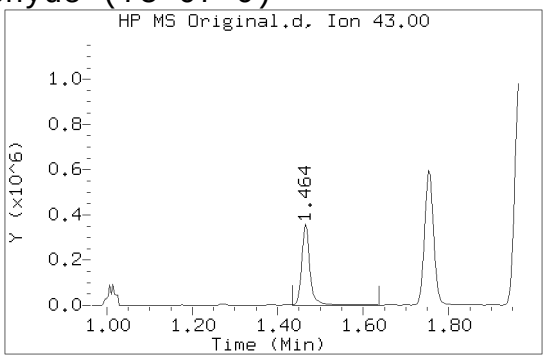
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InstruID : VOA9.i
LabSampID : VSTD200

Acetaldehyde (75-07-0)

Reason Code:

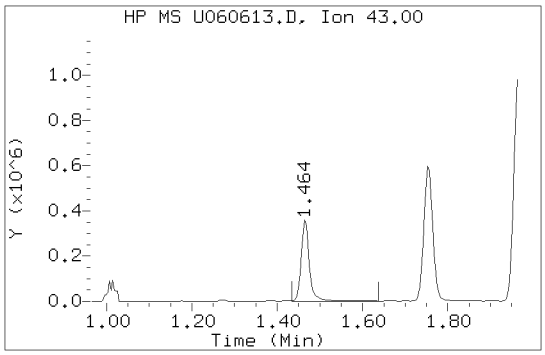
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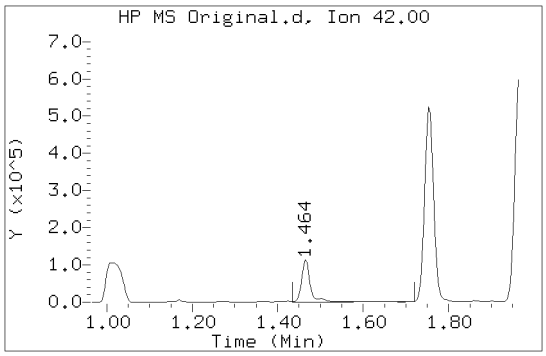
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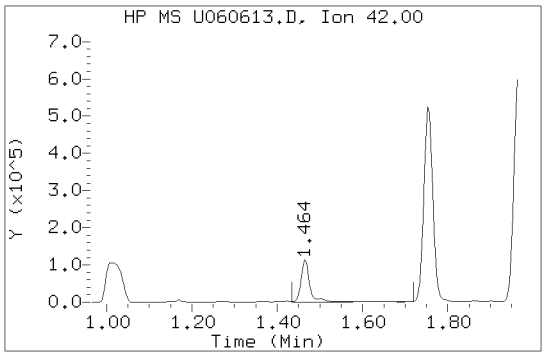
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08-Jun-2023
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linh
pham



AFTER

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AREA
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HEIGHT
113645
13-Jun-2023
13:00
linh
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Data File: \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060616.D Page 1
Report Date: 13-Jun-2023 13:01

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060616.D
Lab Smp Id: ICV Client Smp ID: ICV
Inj Date : 06-JUN-2023 16:48
Operator : PC Inst ID: VOA9.i
Smp Info : CCV;CCV;2;;;ICV
Misc Info : V9;WATER;0;1;
Comment :
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Meth Date : 13-Jun-2023 13:01 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 15:41 Cal File: U060613.D
Als bottle: 17 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1	Pentafluorobenzene	168	4.815	4.819	(1.000)	780826	50.0000	
2	Dichlorodifluoromethane	85	1.160	1.168	(0.241)	313326	43.4411	43.44
3	Chloromethane	50	1.295	1.303	(0.269)	478723	40.3986	40.39
5	Vinyl Chloride	62	1.374	1.382	(0.285)	368340	44.5978	44.59
6	Bromomethane	94	1.618	1.614	(0.336)	232986	55.0399	55.03
7	Chloroethane	64	1.696	1.700	(0.352)	239922	43.1235	43.12
8	Trichlorofluoromethane	101	1.895	1.903	(0.394)	416947	43.9550	43.95
9	Acrolein	56	2.263	2.270	(0.470)	36231	87.4197	87.41
10	Acetone	43	2.409	2.416	(0.500)	256579	95.4315	95.43
11	1,1-Dichloroethene	96	2.334	2.341	(0.485)	257583	43.4598	43.45
15	Iodomethane	142	2.469	2.472	(0.513)	390544	85.8965	85.89
16	Acrylonitrile	53	3.065	3.072	(0.636)	264231	91.2502	91.25
17	Methylene Chloride	84	2.795	2.799	(0.580)	325441	45.6146	45.61
18	Methyl tert-butyl ether	73	3.080	3.087	(0.640)	820662	45.1527	45.15
19	Carbon Disulfide	76	2.521	2.525	(0.524)	1475776	93.1400	93.13
20	trans-1,2-Dichloroethene	96	3.057	3.065	(0.635)	292795	45.4251	45.42
21	Vinyl Acetate	43	3.605	3.616	(0.749)	1831639	93.2206	93.22
22	1,1-Dichloroethane	63	3.515	3.522	(0.730)	503967	41.1420	41.14
24	2-Butanone	43	4.264	4.272	(0.886)	310116	87.1102	87.11
26	2,2-Dichloropropane	77	4.182	4.189	(0.868)	371756	45.9347	45.93

27 cis-1,2-Dichloroethene	96	4.197	4.204 (0.872)	341415	44.2752	44.27
28 Chloroform	83	4.572	4.579 (0.949)	560655	43.9760	43.97

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060616.D Page 2
Report Date: 13-Jun-2023 13:01

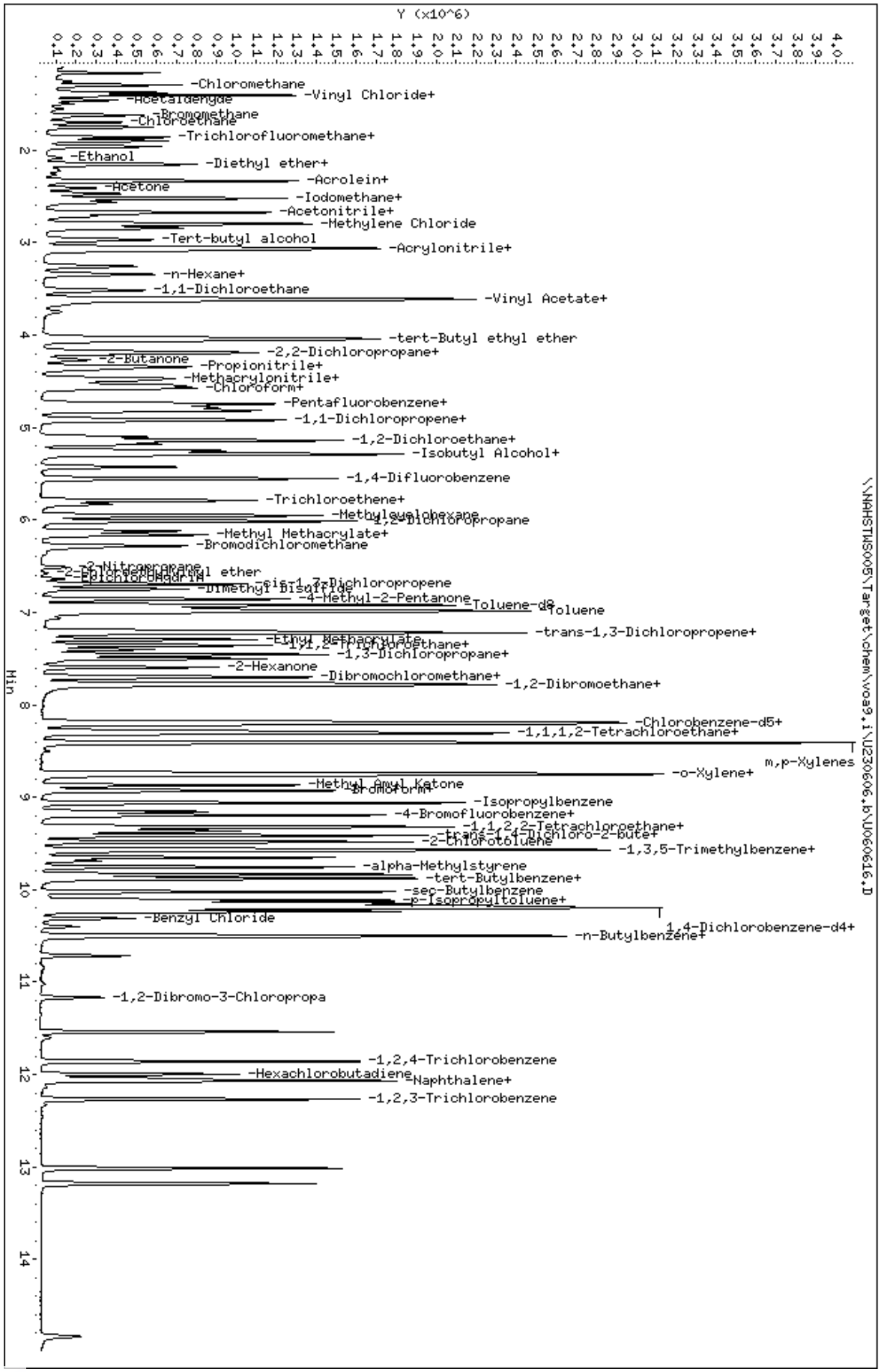
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
	29 Bromochloromethane	128	4.470	4.474	(0.928)	193817	44.9336	44.93
$	30 Dibromofluoromethane	113	4.748	4.755	(0.986)	318316	48.5594	48.55
	31 1,1,1-Trichloroethane	97	4.740	4.748	(0.984)	428686	44.1171	44.11
	32 1,1-Dichloropropene	75	4.920	4.924	(0.886)	386704	45.6635	45.66
	33 1,2-Dichloroethane	62	5.175	5.183	(0.932)	441937	44.1878	44.18
	34 Carbon Tetrachloride	117	4.909	4.917	(0.884)	345264	44.3847	44.38
$	35 1,2-Dichloroethane-d4	65	5.100	5.104	(1.059)	338506	47.7012	47.70
*	36 1,4-Difluorobenzene	114	5.554	5.558	(1.000)	1155525	50.0000	
	37 Benzene	78	5.138	5.141	(0.925)	1289605	46.3151	46.31
	38 Trichloroethene	130	5.790	5.790	(1.043)	360272	44.6411	44.64
	39 Bromodichloromethane	83	6.281	6.281	(1.131)	414478	47.7201	47.72
	41 2-Chloroethylvinyl ether	63	6.577	6.581	(1.184)	17278	82.2441	82.24(M)
	42 1,2-Dichloropropane	63	6.011	6.015	(1.082)	336299	45.2354	45.23
	44 Dibromomethane	93	6.120	6.124	(1.102)	214846	45.2290	45.22
	45 4-Methyl-2-Pentanone	43	6.855	6.858	(0.837)	752796	97.7283	97.72
	46 cis-1,3-Dichloropropene	75	6.693	6.693	(1.205)	520852	44.9600	44.95
*	47 Chlorobenzene-d5	117	8.185	8.189	(1.000)	1057791	50.0000	
$	48 Toluene-d8	98	6.922	6.926	(0.846)	1235345	51.5999	51.59
	50 Toluene	91	6.982	6.982	(0.853)	1380191	48.1072	48.10
	51 trans-1,3-Dichloropropene	75	7.200	7.199	(1.296)	429650	44.2325	44.23
	52 2-Hexanone	43	7.593	7.597	(0.928)	496806	92.6111	92.61
	53 1,1,2-Trichloroethane	83	7.357	7.357	(0.899)	272556	45.6579	45.65
	54 1,3-Dichloropropane	76	7.499	7.503	(0.916)	578247	47.4115	47.41
	55 Dibromochloromethane	129	7.694	7.694	(0.940)	366836	51.7915	51.79
	56 Tetrachloroethene	164	7.458	7.458	(0.911)	318249	45.5291	45.52
	57 1,2-Dibromoethane	107	7.784	7.788	(0.951)	335864	45.6094	45.60
	58 1-Chlorohexane	55	8.197	8.200	(1.476)	242405	40.8537	40.85
	59 Chlorobenzene	112	8.208	8.212	(1.003)	941715	45.9914	45.99
	60 1,1,1,2-Tetrachloroethane	131	8.283	8.287	(1.012)	345385	49.0774	49.07
	61 Ethylbenzene	106	8.305	8.309	(1.015)	460758	48.3475	48.34
	62 m,p-Xylenes	106	8.410	8.410	(1.027)	1140862	101.183	101.18
	63 o-Xylene	106	8.748	8.748	(1.069)	558477	50.1380	50.13
	64 Styrene	104	8.763	8.763	(1.071)	935490	52.9214	52.92
	66 Bromoform	173	8.920	8.920	(1.090)	243942	51.0235	51.02
	67 Isopropylbenzene	105	9.063	9.063	(1.107)	1308769	48.9183	48.91
	68 1,1,2,2-Tetrachloroethane	83	9.329	9.332	(0.917)	454457	44.1598	44.15
$	69 4-Bromofluorobenzene	95	9.194	9.194	(1.123)	483743	51.3065	51.30
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	547105	50.0000	
	71 1,2,3-Trichloropropane	75	9.363	9.366	(0.920)	415776	45.9243	45.92
	73 n-Propylbenzene	91	9.411	9.415	(0.925)	1420825	49.5106	49.51
	74 Bromobenzene	156	9.318	9.321	(0.916)	421969	45.7115	45.71
	75 1,3,5-Trimethylbenzene	105	9.561	9.565	(0.940)	949218	48.2136	48.21
	76 2-Chlorotoluene	91	9.482	9.486	(0.932)	943175	46.7536	46.75
	77 4-Chlorotoluene	91	9.576	9.576	(0.941)	1080779	48.4010	48.40
	78 tert-Butylbenzene	119	9.839	9.839	(0.967)	902133	46.6540	46.65
	79 1,2,4-Trimethylbenzene	105	9.880	9.880	(0.971)	984625	47.7979	47.79
	81 sec-Butylbenzene	105	10.022	10.026	(0.985)	1146037	46.7345	46.73
	82 p-Isopropyltoluene	119	10.146	10.150	(0.997)	996804	48.5205	48.52
	83 1,3-Dichlorobenzene	146	10.116	10.116	(0.994)	724727	46.2241	46.22
	84 1,4-Dichlorobenzene	146	10.191	10.191	(1.002)	744273	44.5230	44.52
	87 n-Butylbenzene	91	10.491	10.495	(1.031)	805977	45.8271	45.82
	88 1,2-Dichlorobenzene	146	10.506	10.506	(1.033)	711620	45.2687	45.26

89	1,2-Dibromo-3-Chloropropane	155	11.166	11.169 (1.098)	71438	47.5707	47.57
90	1,2,4-Trichlorobenzene	180	11.859	11.859 (1.166)	514361	47.5706	47.57

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
	91 Hexachlorobutadiene	225	11.998	11.998	(1.179)	185622	42.5095	42.50
	92 Naphthalene	128	12.065	12.069	(1.186)	1281110	51.0072	51.00
	93 1,2,3-Trichlorobenzene	180	12.268	12.268	(1.206)	500164	47.3173	47.31
M	94 1,2-Dichloroethylene (total)	96				634210	89.7003	89.70
M	95 Xylenes (total)	106				1699339	151.321	151.32
	135 1,4-Dioxane	88	6.169	6.172	(1.281)	94832	611.650	611.64(R)
	141 Cyclohexane	56	4.782	4.785	(0.993)	401902	42.0727	42.07
	138 Freon TF	101	2.334	2.341	(0.485)	222912	42.5073	42.50
	140 1,3-Butadiene	54	1.404	1.412	(0.292)	342878	46.3679	46.36
	147 Methylcyclohexane	55	5.947	5.951	(1.071)	742238	46.3048	46.30
	146 Methyl Acetate	43	2.712	2.720	(0.563)	267638	40.7078	40.70
	148 Tert-Butyl alcohol	59	2.967	2.978	(0.616)	653389	905.196	905.19
	149 Isopropyl Alcohol	45	2.562	2.577	(0.532)	432312	846.925	846.92
	72 trans-1,4-Dichloro-2-butene	53	9.378	9.381	(1.146)	66066	54.2434	54.24
	12 Isobutyl Alcohol	43	5.288	5.291	(1.098)	1078739	1063.31	1063.31
	13 Acetonitrile	39	2.671	2.679	(0.555)	369725	437.354	437.35
	14 Allyl Chloride	41	2.671	2.679	(0.555)	881221	43.4696	43.46
	25 Methacrylonitrile	41	4.497	4.500	(0.934)	220001	47.6887	47.68
	40 Methyl Methacrylate	41	6.157	6.161	(1.279)	319473	47.5853	47.58
	4 Propionitrile	54	4.339	4.350	(0.901)	504761	447.359	447.35
	136 n-Hexane	57	3.342	3.350	(0.694)	279959	43.1157	43.11
	194 Acetaldehyde	44	1.457	1.464	(0.303)	213458	198.213	198.21(M)
	131 Methyl Acrylate	55	4.369	4.377	(0.907)	376406	45.5808	45.58(M)
	200 Dimethyl Disulfide	94	6.746	6.750	(0.824)	342782	43.9278	43.92
	23 Chloroprene	53	2.158	2.165	(0.448)	106743	42.8616	42.86(M)
	49 Ethyl Methacrylate	69	7.293	7.297	(1.313)	493833	48.7533	48.75
	166 1,2,3-Trimethylbenzene	105	10.236	10.236	(1.006)	946548	45.0091	45.00
	167 Ethanol	45	2.083	2.098	(0.433)	87414	894.820	894.81
	164 Dicyclopentadiene	66	10.198	10.202	(1.003)	1170894	43.8737	43.87
	145 alpha-Methylstyrene	118	9.752	9.756	(0.959)	456404	44.8638	44.86
	142 Tetrahydrofuran	42	4.545	4.549	(0.944)	124728	90.2172	90.21
	156 Diisopropyl ether	45	3.623	3.631	(0.752)	968924	44.5026	44.50
	151 4-Methyl-2-pentanol	45	7.222	7.226	(1.300)	1465561	852.923	852.92
	150 Allyl alcohol	57	3.342	3.350	(0.694)	279959	862.620	862.62
	86 Benzyl Chloride	91	10.311	10.311	(1.260)	308230	48.8252	48.82
	162 Butyl acrylate	55	8.733	8.733	(1.067)	606576	48.4779	48.47
	139 Diethyl ether	59	2.143	2.154	(0.445)	236202	44.7701	44.77
	203 2-Ethylhexyl Acrylate	55	12.043	12.039	(1.184)	256043	48.8830	48.88
	134 Cyclohexanone	55	9.153	9.156	(0.900)	315426	929.955	929.95
	130 Ethyl Acetate	43	4.343	4.272	(0.902)	367738	52.6863	52.68
	189 n-Butyl acetate	43	7.706	7.709	(0.941)	585580	48.6187	48.61(M)
	182 Epichlorohydrin	57	6.633	6.633	(1.194)	19670	179.479	179.47

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.



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Sample Info: CCV;CCV;2;;;ICV
Purge Volume: 5.0
Column phase: DB624

Instrument: VOA9.i
Operator: PC
Column diameter: 0.18

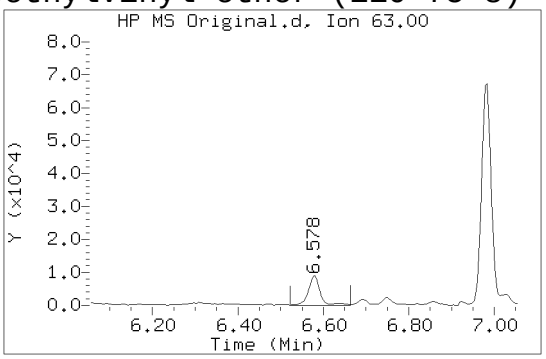
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LabSampID : ICV

2-Chloroethylvinyl ether (110-75-8)

Reason Code:

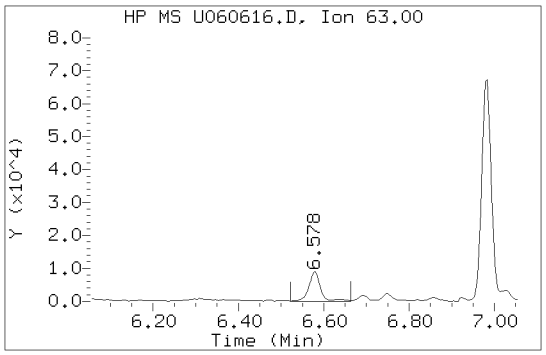
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08-Jun-2023
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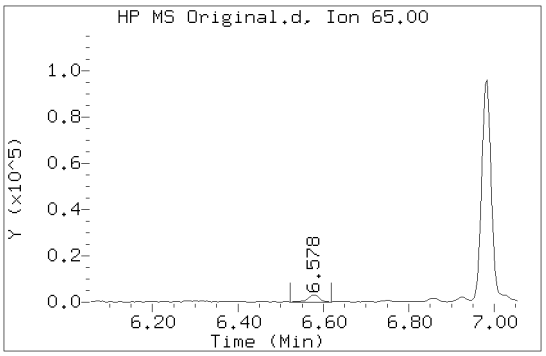
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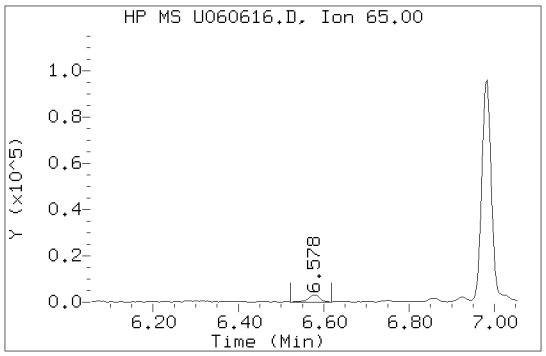
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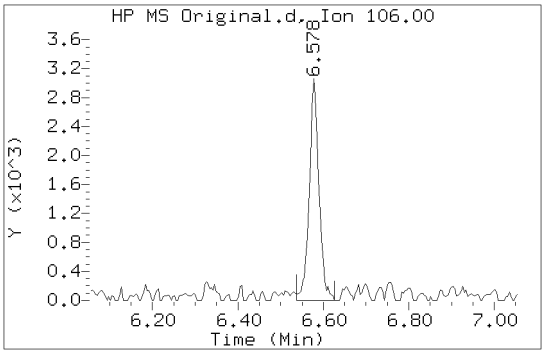
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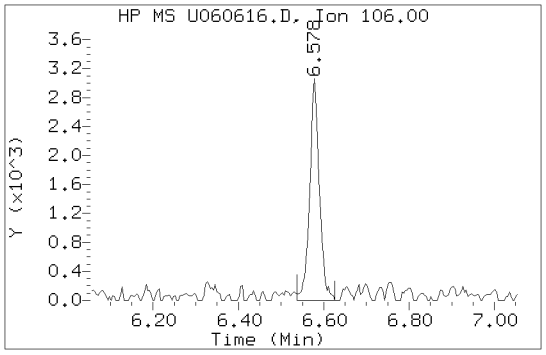
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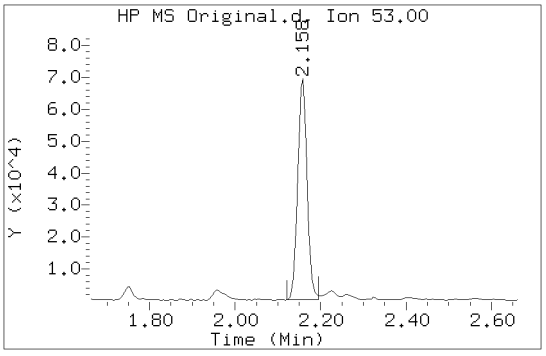


Chloroprene (126-99-8)

Reason Code:

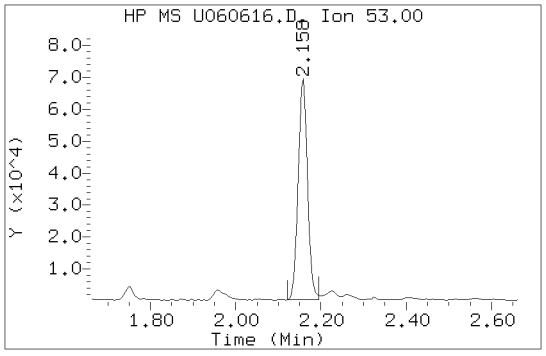
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AFTER

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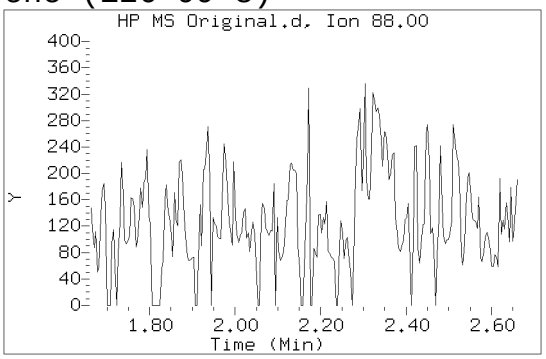
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Inj Date : 06-JUN-2023 16:48
InstruID : VOA9.i
LabSampID : ICV

Chloroprene (126-99-8)

Reason Code:

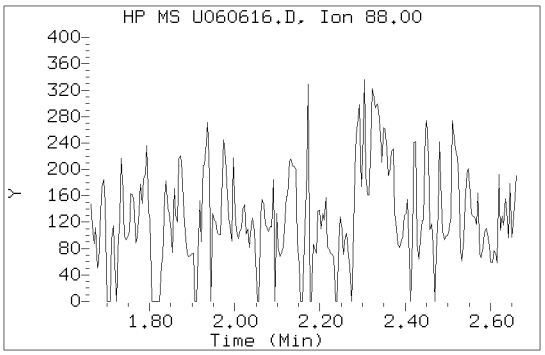
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08-Jun-2023
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AFTER

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13-Jun-2023
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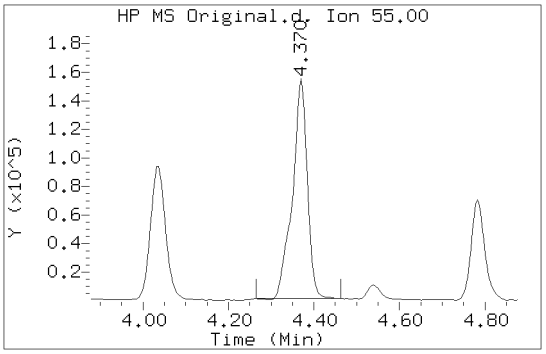


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Reason Code:

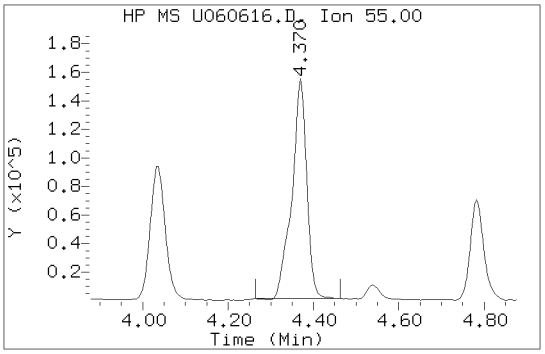
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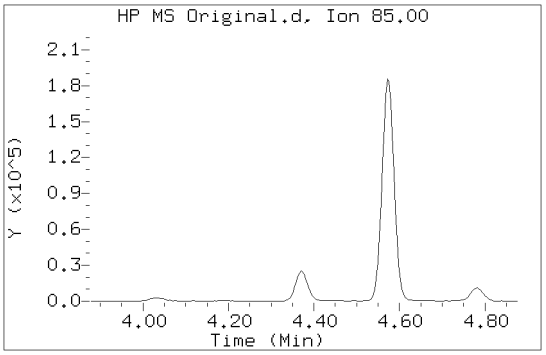
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13:00
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pham



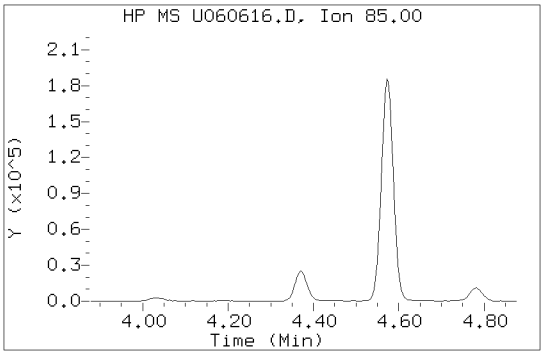
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AFTER

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HEIGHT
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13-Jun-2023
13:00
linh
pham

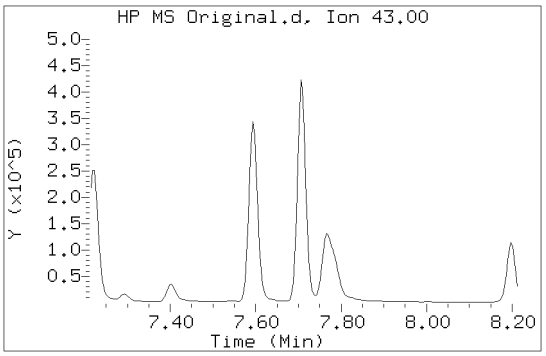


n-Butyl acetate (123-86-4)

Reason Code:

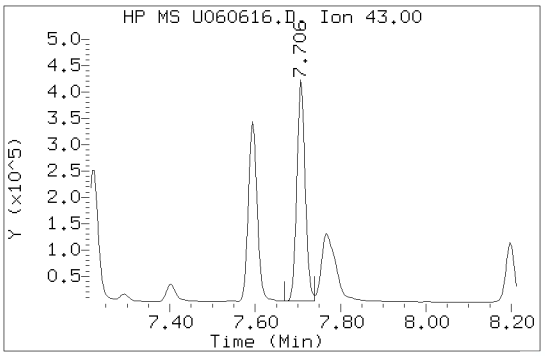
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AFTER

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13-Jun-2023
13:00
linh
pham

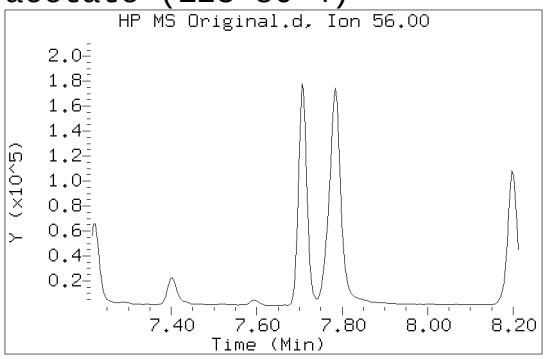


Data File : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060616.D
Inj Date : 06-JUN-2023 16:48
InstruID : VOA9.i
LabSampID : ICV

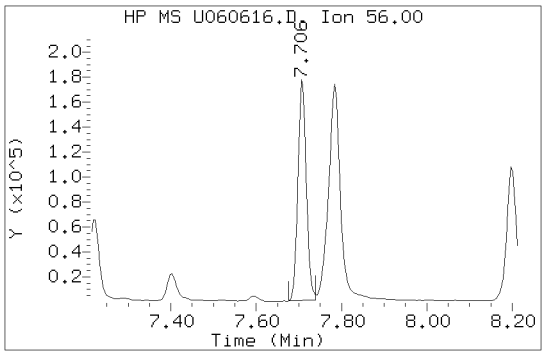
n-Butyl acetate (123-86-4)

Reason Code:

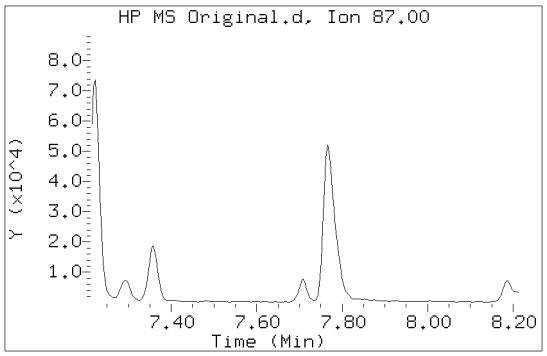
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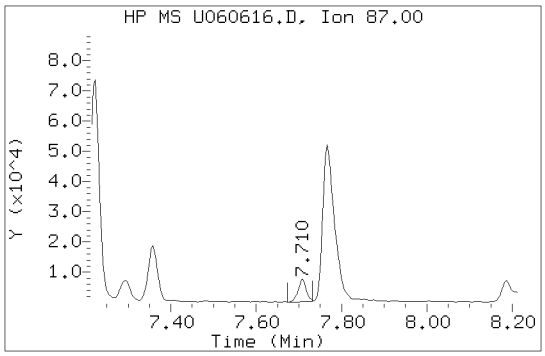
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BEFORE
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08-Jun-2023
14:56
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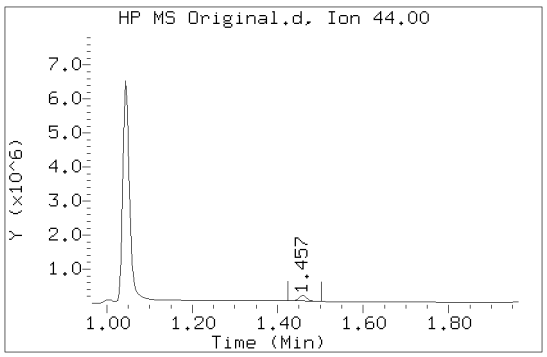
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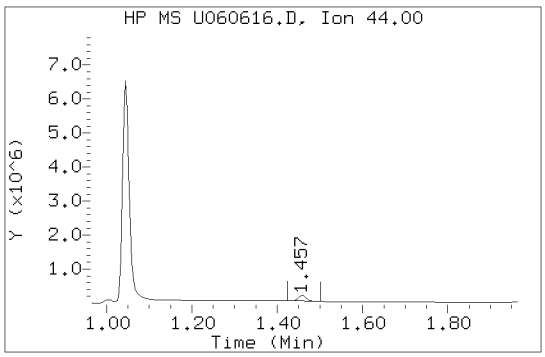
Acetaldehyde (75-07-0)

Reason Code:

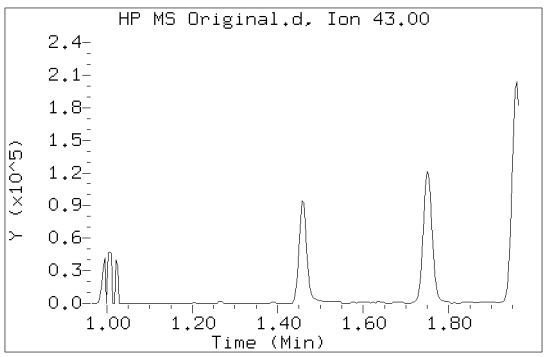
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AREA
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HEIGHT
168169
08-Jun-2023
14:56
linh
pham



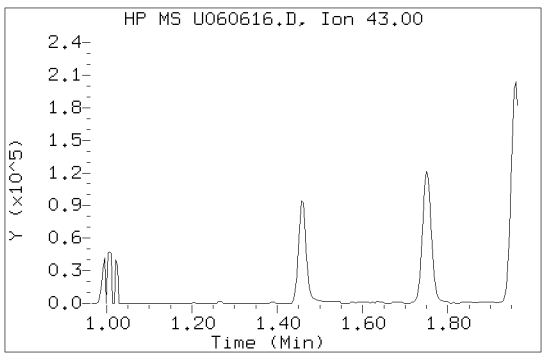
AFTER
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AREA
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HEIGHT
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13-Jun-2023
13:00
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pham



BEFORE
MASS
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AREA
0
HEIGHT
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08-Jun-2023
14:56
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pham



AFTER
MASS
43
AREA
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HEIGHT
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13-Jun-2023
13:00
linh
pham



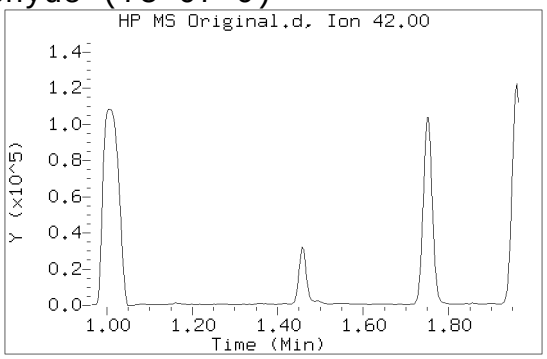
Data File : \\NAHSTWS005\Target\chem\voa9.i\U230606.b\U060616.D
Inj Date : 06-JUN-2023 16:48
InstruID : VOA9.i
LabSampID : ICV

Acetaldehyde (75-07-0)

Reason Code:

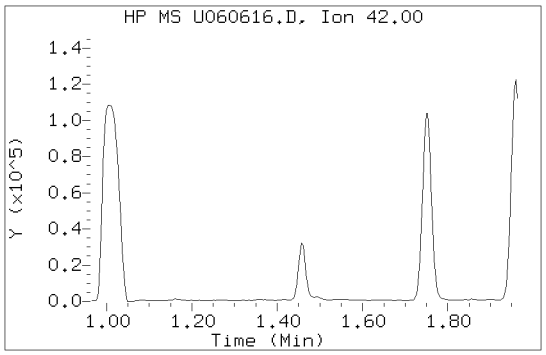
BEFORE

MASS
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HEIGHT
0
08-Jun-2023
14:56
linh
pham



AFTER

MASS
42
AREA
0
HEIGHT
0
13-Jun-2023
13:00
linh
pham



01225157

right solutions.
right partner.

Raw Data VOA9 437771

Volatiles by EPA 8260

Workorder

HS23060596

Client

Bhate Environmental Associates, Inc.

Project

LHAAP-58

06/16/2023

ALS Environmental–Houston Laboratory

10450 Stancliff Road, Suite 210, Houston, TX 77099

Phone (281) 530-5656 Fax (281) 530-5887

www.alsglobal.com

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061301.D Page 1
Report Date: 13-Jun-2023 11:24

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061301.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 13-JUN-2023 11:04
Operator : PC Inst ID: VOA9.i
Smp Info : BFB;BFB;3;;BFB
Misc Info : V9;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\bfb.m
Meth Date : 27-Jan-2023 08:08 apoluri Quant Type: ISTD
Cal Date : 30-MAR-2018 18:09 Cal File: U033003.d
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: NAHSTW7051

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	2.000	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	
9.194	9.180	(0.000)	95	214080			0.00- 100.00	100.00
9.194	9.180	(0.000)	50	37832			15.00- 40.00	17.67
9.194	9.180	(0.000)	75	102392			30.00- 60.00	47.83
9.194	9.180	(0.000)	96	14564			5.00- 9.00	6.80
9.194	9.180	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
9.194	9.180	(0.000)	174	191232			50.00- 0.00	89.33
9.194	9.180	(0.000)	175	16140			5.00- 9.00	8.44
9.194	9.180	(0.000)	176	183424			95.00- 101.00	95.92
9.194	9.180	(0.000)	177	13360			5.00- 9.00	7.28

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.67
75	30.00 - 60.00% of mass 95	47.83
96	5.00 - 9.00% of mass 95	6.80
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	89.33
175	5.00 - 9.00% of mass 174	7.54 (8.44)
176	95.00 - 101.00% of mass 174	85.68 (95.92)
177	5.00 - 9.00% of mass 176	6.24 (7.28)

Data File: U061301.D
Spectrum: Scan 2293 (9.19)
Location of Maximum: 95.00
Number of points: 161

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2467	76.90	1640	122.90	173	167.90	143
37.00	10434	77.80	1163	123.90	195	168.60	136
38.00	10352	78.90	5178	124.60	101	170.90	1643
39.00	6947	79.90	1925	126.90	2140	171.90	1133
40.10	1500	80.90	4852	127.80	1312	173.90	191232
41.00	5174	81.90	1287	128.90	410	175.00	16140
42.00	5063	83.00	618	129.90	750	175.90	183424
43.00	6730	84.10	209	130.90	346	176.90	13360
44.00	3813	85.20	164	131.90	106	177.80	652
45.00	5855	86.10	444	132.80	109	183.30	85
46.10	358	86.90	9281	133.80	118	184.70	258
47.00	2942	87.90	10030	134.90	277	185.10	185
48.10	1549	90.80	819	135.90	107	185.90	2264
49.00	8848	92.00	5849	136.70	373	187.00	161
50.00	37832	92.90	8247	137.90	58	188.50	67
51.00	11807	94.00	24904	138.80	222	191.40	77
52.00	785	95.00	214080	139.90	377	192.00	75
53.00	626	96.00	14564	140.90	2855	192.80	91
54.00	879	97.00	805	141.90	2369	193.80	100
55.00	6444	98.00	2494	142.90	2210	195.80	56
56.00	3389	99.20	150	143.90	140	204.50	65
57.00	6872	102.70	169	144.90	247	206.70	106
58.00	2338	103.90	889	145.90	365	212.20	67
59.00	10952	104.90	370	146.70	201	219.50	51
60.00	2340	105.90	802	147.10	183	232.50	64
61.00	9701	106.80	522	147.80	476	233.90	122
62.00	8534	107.90	133	148.90	86	235.90	106
63.00	6810	108.80	344	150.00	255	245.20	72
64.00	987	109.70	182	151.00	110	254.20	60
65.00	499	111.00	202	152.00	197	257.20	57
66.00	229	111.90	213	153.00	317	277.40	72
67.10	1024	112.90	225	153.80	204	281.00	69
68.00	20456	113.90	77	154.80	516	281.90	69
69.00	22408	114.80	286	156.80	465	308.30	60
70.00	3050	115.90	650	157.70	54	331.80	52
71.20	378	116.80	1375	158.80	506	341.10	58
71.90	1239	117.90	754	159.90	79	343.20	54
73.00	8752	118.80	1260	160.70	311	348.70	52
74.00	34568	119.90	76	164.80	68		
75.00	102392	120.90	143	165.40	70		
76.00	9201	122.00	122	167.00	94		

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061301.D Page 1

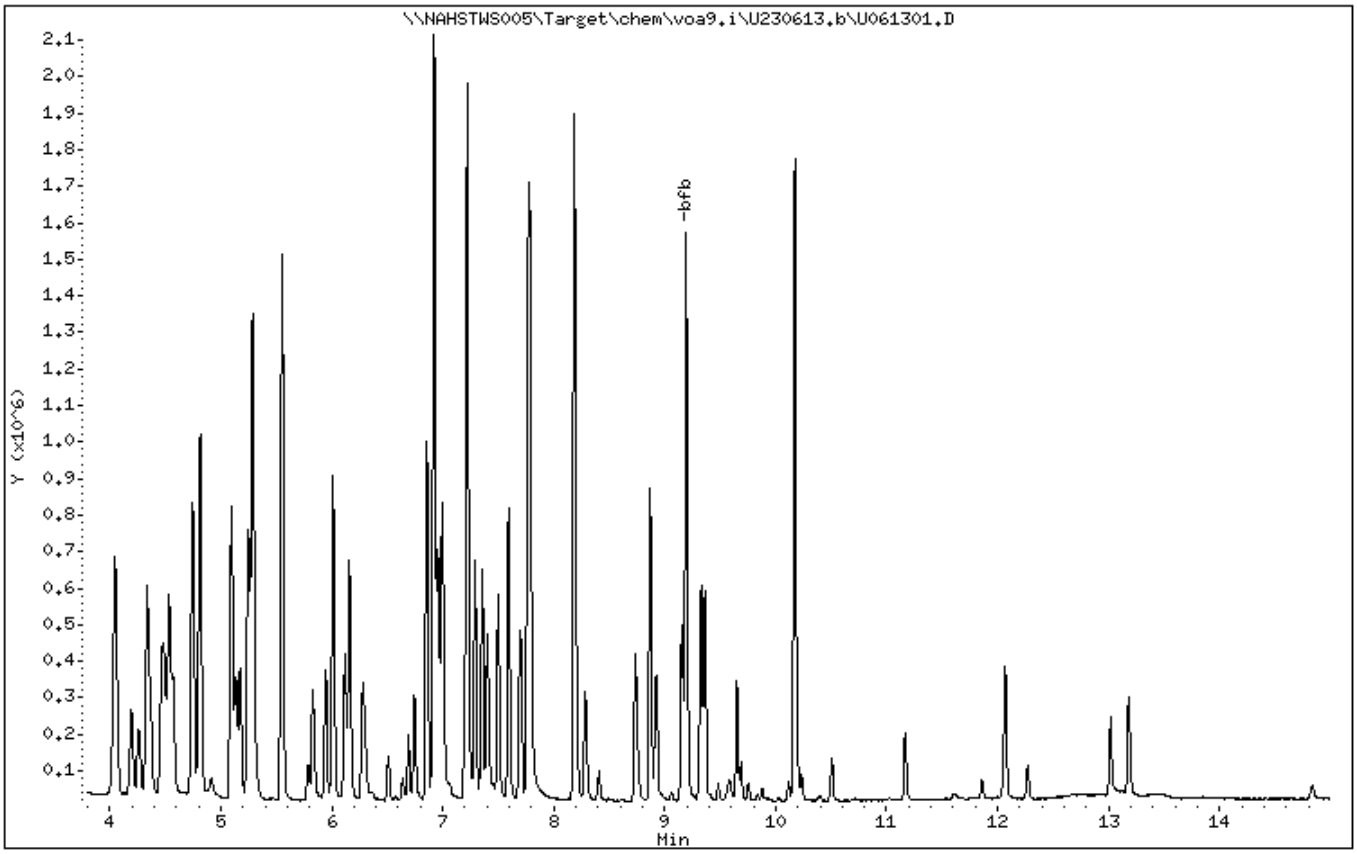
Date : 13-JUN-2023 11:04

Client ID: BFB Instrument: VOA9.i

Sample Info: BFB;BFB;3;;BFB

Volume Injected (uL): 2.0 Operator: PC

Column phase: DB624 Column diameter: 0.25



Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061301.D

Date : 13-JUN-2023 11:04

Client ID: BFB

Instrument: VOA9.i

Sample Info: BFB;BFB;3;;BFB

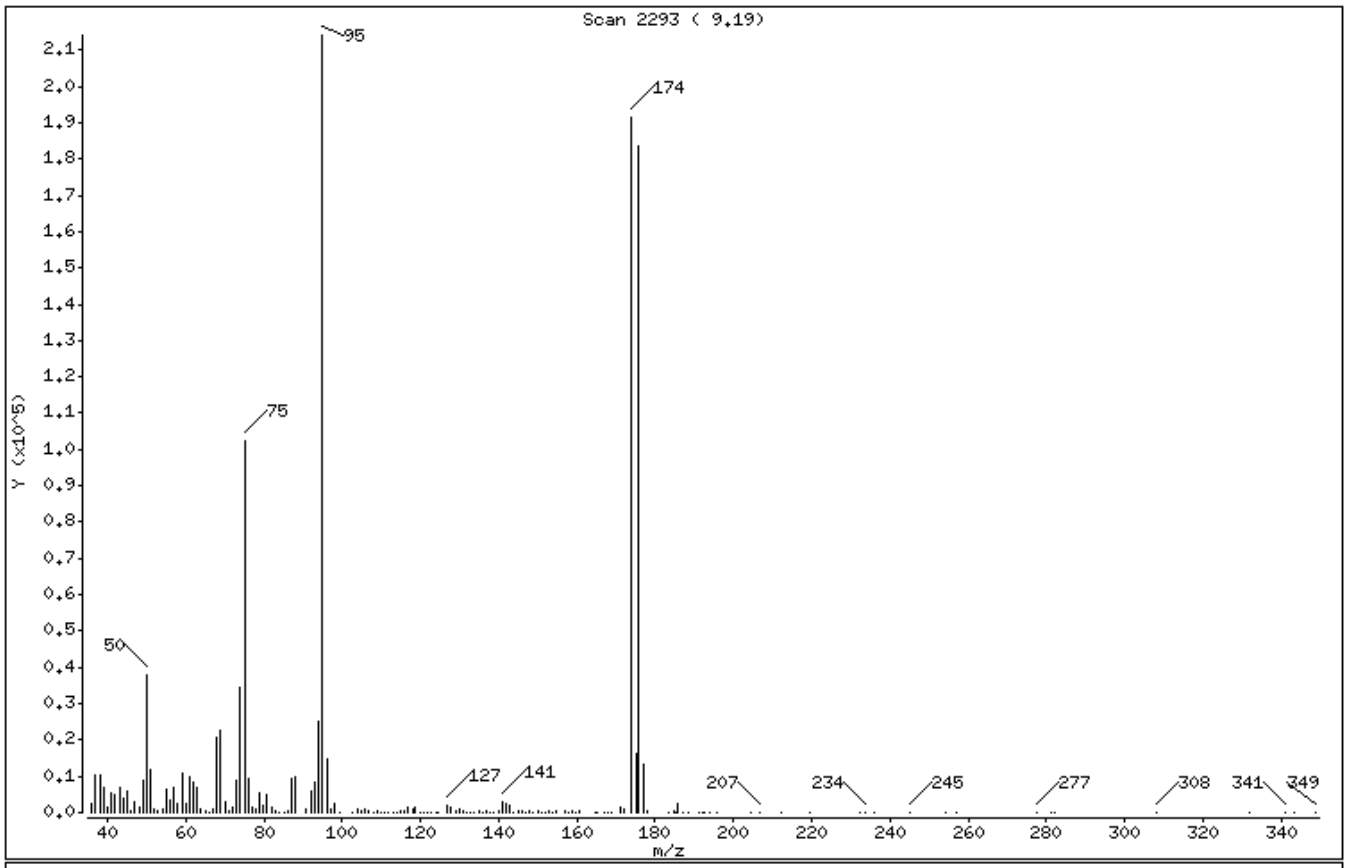
Volume Injected (uL): 2.0

Operator: PC

Column phase: DB624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.67
75	30.00 - 60.00% of mass 95	47.83
96	5.00 - 9.00% of mass 95	6.80
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	89.33
175	5.00 - 9.00% of mass 174	7.54 (8.44)
176	95.00 - 101.00% of mass 174	85.68 (95.92)
177	5.00 - 9.00% of mass 176	6.24 (7.28)

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061301.D Page 3

Date : 13-JUN-2023 11:04

Client ID: BFB Instrument: VOA9.i

Sample Info: BFB;BFB;3;;BFB

Volume Injected (uL): 2.0 Operator: PC

Column phase: DB624 Column diameter: 0.25

Data File: U061301.D
Spectrum: Scan 2293 (9.19)
Location of Maximum: 95.00
Number of points: 161

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2467	76.90	1640	122.90	173	167.90	143
37.00	10434	77.80	1163	123.90	195	168.60	136
38.00	10352	78.90	5178	124.60	101	170.90	1643
39.00	6947	79.90	1925	126.90	2140	171.90	1133
40.10	1500	80.90	4852	127.80	1312	173.90	191232
41.00	5174	81.90	1287	128.90	410	175.00	16140
42.00	5063	83.00	618	129.90	750	175.90	183424
43.00	6730	84.10	209	130.90	346	176.90	13360
44.00	3813	85.20	164	131.90	106	177.80	652
45.00	5855	86.10	444	132.80	109	183.30	85
46.10	358	86.90	9281	133.80	118	184.70	258
47.00	2942	87.90	10030	134.90	277	185.10	185
48.10	1549	90.80	819	135.90	107	185.90	2264
49.00	8848	92.00	5849	136.70	373	187.00	161
50.00	37832	92.90	8247	137.90	58	188.50	67
51.00	11807	94.00	24904	138.80	222	191.40	77
52.00	785	95.00	214080	139.90	377	192.00	75
53.00	626	96.00	14564	140.90	2855	192.80	91
54.00	879	97.00	805	141.90	2369	193.80	100
55.00	6444	98.00	2494	142.90	2210	195.80	56
56.00	3389	99.20	150	143.90	140	204.50	65
57.00	6872	102.70	169	144.90	247	206.70	106
58.00	2338	103.90	889	145.90	365	212.20	67
59.00	10952	104.90	370	146.70	201	219.50	51
60.00	2340	105.90	802	147.10	183	232.50	64
61.00	9701	106.80	522	147.80	476	233.90	122
62.00	8534	107.90	133	148.90	86	235.90	106
63.00	6810	108.80	344	150.00	255	245.20	72
64.00	987	109.70	182	151.00	110	254.20	60
65.00	499	111.00	202	152.00	197	257.20	57
66.00	229	111.90	213	153.00	317	277.40	72
67.10	1024	112.90	225	153.80	204	281.00	69
68.00	20456	113.90	77	154.80	516	281.90	69
69.00	22408	114.80	286	156.80	465	308.30	60
70.00	3050	115.90	650	157.70	54	331.80	52

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061301.D

Date : 13-JUN-2023 11:04

Client ID: BFB Instrument: VOA9.i

Sample Info: BFB;BFB;3;;BFB

Volume Injected (uL): 2.0 Operator: PC

Column phase: DB624 Column diameter: 0.25

Data File: U061301.D
Spectrum: Scan 2293 (9.19)
Location of Maximum: 95.00
Number of points: 161

m/z	Y	m/z	Y	m/z	Y	m/z	Y
71.20	378	116.80	1375	158.80	506	341.10	58
71.90	1239	117.90	754	159.90	79	343.20	54
73.00	8752	118.80	1260	160.70	311	348.70	52
74.00	34568	119.90	76	164.80	68		
75.00	102392	120.90	143	165.40	70		
76.00	9201	122.00	122	167.00	94		

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061303.D Page 1
Report Date: 15-Jun-2023 11:47

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061303.D
Lab Smp Id: CCV Client Smp ID: CCV
Inj Date : 13-JUN-2023 11:49
Operator : PC Inst ID: VOA9.i
Smp Info : CCV;CCV;2;;;
Misc Info : V9;WATER;0;1;
Comment :
Method : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\8260C.m
Meth Date : 15-Jun-2023 11:47 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 13:50 Cal File: U060608.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
* 1 Pentafluorobenzene	168	4.815	4.815	(1.000)	695630	50.0000	
2 Dichlorodifluoromethane	85	1.164	1.164	(0.242)	308054	50.0000	47.93
3 Chloromethane	50	1.295	1.295	(0.269)	463564	50.0000	44.02
5 Vinyl Chloride	62	1.377	1.377	(0.286)	351155	50.0000	47.72
6 Bromomethane	94	1.617	1.617	(0.336)	189728	50.0000	50.15
7 Chloroethane	64	1.700	1.700	(0.353)	228077	50.0000	46.01
8 Trichlorofluoromethane	101	1.895	1.895	(0.394)	429779	50.0000	50.85
9 Acrolein	56	2.266	2.266	(0.471)	32395	100.000	87.73
10 Acetone	43	2.408	2.408	(0.500)	257635	100.000	108.28
11 1,1-Dichloroethene	96	2.333	2.333	(0.485)	245945	50.0000	46.57
15 Iodomethane	142	2.468	2.468	(0.513)	390416	100.000	94.73
16 Acrylonitrile	53	3.064	3.064	(0.636)	246534	100.000	95.56
17 Methylene Chloride	84	2.794	2.794	(0.580)	312942	50.0000	49.31
18 Methyl tert-butyl ether	73	3.079	3.079	(0.640)	740616	50.0000	45.73
19 Carbon Disulfide	76	2.521	2.521	(0.524)	1416578	100.000	100.35
20 trans-1,2-Dichloroethene	96	3.061	3.061	(0.636)	277202	50.0000	48.27
21 Vinyl Acetate	43	3.608	3.608	(0.749)	1662398	100.000	94.96
22 1,1-Dichloroethane	63	3.514	3.514	(0.730)	493916	50.0000	45.25
24 2-Butanone	43	4.268	4.268	(0.886)	280299	100.000	88.37
26 2,2-Dichloropropane	77	4.181	4.181	(0.868)	371467	50.0000	51.47

27 cis-1,2-Dichloroethene	96	4.196	4.196 (0.872)	306799	50.0000	44.65
28 Chloroform	83	4.571	4.571 (0.949)	527142	50.0000	46.41

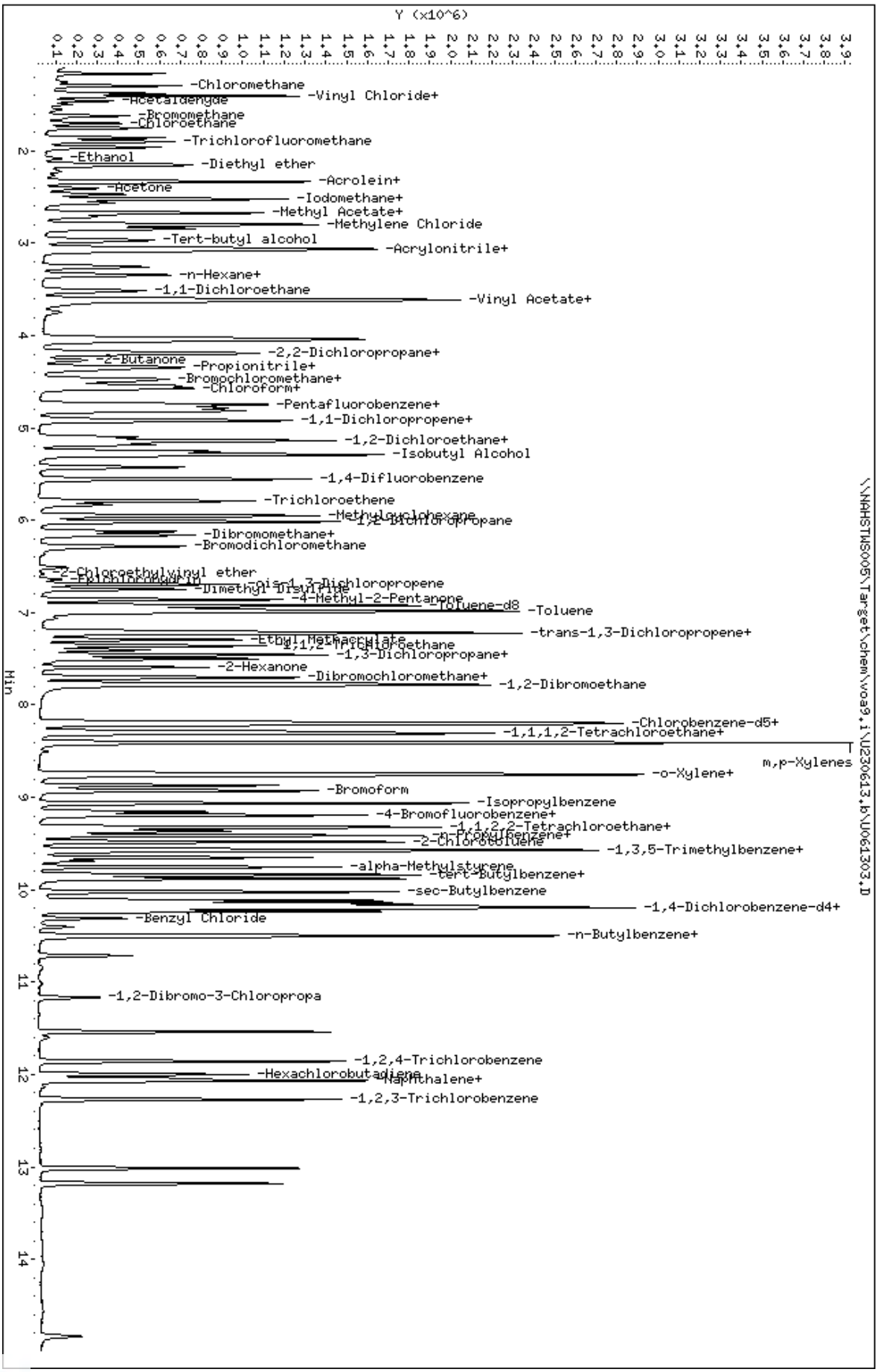
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	29 Bromochloromethane	128	4.470	4.470	(0.928)	167120	50.0000	43.48
$	30 Dibromofluoromethane	113	4.747	4.747	(0.986)	287972	50.0000	49.31
	31 1,1,1-Trichloroethane	97	4.744	4.744	(0.985)	414317	50.0000	47.86
	32 1,1-Dichloropropene	75	4.920	4.920	(0.886)	380212	50.0000	51.31
	33 1,2-Dichloroethane	62	5.179	5.179	(0.933)	420317	50.0000	48.03
	34 Carbon Tetrachloride	117	4.909	4.909	(0.884)	354263	50.0000	52.04
$	35 1,2-Dichloroethane-d4	65	5.100	5.100	(1.059)	301060	50.0000	47.61
*	36 1,4-Difluorobenzene	114	5.553	5.553	(1.000)	1011038	50.0000	
	37 Benzene	78	5.137	5.137	(0.925)	1204959	50.0000	49.45
	38 Trichloroethene	130	5.790	5.790	(1.043)	341533	50.0000	48.36
	39 Bromodichloromethane	83	6.281	6.281	(1.131)	388074	50.0000	51.06
	41 2-Chloroethylvinyl ether	63	6.577	6.577	(1.184)	14736	100.000	80.16(M)
	42 1,2-Dichloropropane	63	6.011	6.011	(1.082)	320251	50.0000	49.23
	44 Dibromomethane	93	6.120	6.120	(1.102)	198970	50.0000	47.87
	45 4-Methyl-2-Pentanone	43	6.858	6.858	(0.838)	689368	100.000	99.57
	46 cis-1,3-Dichloropropene	75	6.693	6.693	(1.205)	478548	50.0000	47.11
*	47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	950740	50.0000	
$	48 Toluene-d8	98	6.922	6.922	(0.846)	1108436	50.0000	51.51
	50 Toluene	91	6.982	6.982	(0.853)	1313051	50.0000	50.92
	51 trans-1,3-Dichloropropene	75	7.199	7.199	(1.296)	396721	50.0000	46.56
	52 2-Hexanone	43	7.593	7.593	(0.928)	466026	100.000	96.65
	53 1,1,2-Trichloroethane	83	7.357	7.357	(0.899)	253411	50.0000	47.23
	54 1,3-Dichloropropane	76	7.499	7.499	(0.916)	538459	50.0000	49.12
	55 Dibromochloromethane	129	7.694	7.694	(0.940)	346190	50.0000	54.38
	56 Tetrachloroethene	164	7.458	7.458	(0.911)	307573	50.0000	48.95
	57 1,2-Dibromoethane	107	7.784	7.784	(0.951)	316842	50.0000	47.87
	58 1-Chlorohexane	55	8.196	8.196	(1.476)	246667	50.0000	47.51
	59 Chlorobenzene	112	8.211	8.211	(1.003)	894697	50.0000	48.61
	60 1,1,1,2-Tetrachloroethane	131	8.286	8.286	(1.012)	324401	50.0000	51.28
	61 Ethylbenzene	106	8.309	8.309	(1.015)	437798	50.0000	51.11
	62 m,p-Xylenes	106	8.410	8.410	(1.027)	1082893	100.000	106.85
	63 o-Xylene	106	8.747	8.747	(1.069)	527341	50.0000	52.67
	64 Styrene	104	8.762	8.762	(1.071)	877212	50.0000	55.21
	66 Bromoform	173	8.920	8.920	(1.090)	230925	50.0000	53.73
	67 Isopropylbenzene	105	9.062	9.062	(1.107)	1264874	50.0000	52.60
	68 1,1,2,2-Tetrachloroethane	83	9.328	9.328	(0.917)	422649	50.0000	45.98
$	69 4-Bromofluorobenzene	95	9.193	9.193	(1.123)	441875	50.0000	52.15
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	488614	50.0000	
	71 1,2,3-Trichloropropane	75	9.362	9.362	(0.920)	384066	50.0000	47.49
	73 n-Propylbenzene	91	9.411	9.411	(0.925)	1348325	50.0000	52.60
	74 Bromobenzene	156	9.317	9.317	(0.916)	397094	50.0000	48.16
	75 1,3,5-Trimethylbenzene	105	9.561	9.561	(0.940)	888195	50.0000	50.51
	76 2-Chlorotoluene	91	9.482	9.482	(0.932)	899297	50.0000	49.91
	77 4-Chlorotoluene	91	9.576	9.576	(0.941)	1005057	50.0000	50.39
	78 tert-Butylbenzene	119	9.838	9.838	(0.967)	880835	50.0000	51.00
	79 1,2,4-Trimethylbenzene	105	9.879	9.879	(0.971)	899134	50.0000	48.87
	81 sec-Butylbenzene	105	10.022	10.022	(0.985)	1133411	50.0000	51.75
	82 p-Isopropyltoluene	119	10.146	10.146	(0.997)	953906	50.0000	51.99
	83 1,3-Dichlorobenzene	146	10.116	10.116	(0.994)	678053	50.0000	48.42
	84 1,4-Dichlorobenzene	146	10.191	10.191	(1.002)	709610	50.0000	47.53
	87 n-Butylbenzene	91	10.494	10.494	(1.032)	800169	50.0000	50.94
	88 1,2-Dichlorobenzene	146	10.505	10.505	(1.033)	669834	50.0000	47.71

89	1,2-Dibromo-3-Chloropropane	155	11.169	11.169 (1.098)	66339	50.0000	49.46
90	1,2,4-Trichlorobenzene	180	11.859	11.859 (1.166)	475424	50.0000	49.23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
91	Hexachlorobutadiene	225	11.997	11.997	(1.179)	193747	50.0000	49.68
92	Naphthalene	128	12.069	12.069	(1.186)	1162278	50.0000	51.81
93	1,2,3-Trichlorobenzene	180	12.267	12.267	(1.206)	452050	50.0000	47.88
M 94	1,2-Dichloroethylene (total)	96				584001	100.000	(a)
135	1,4-Dioxane	88	6.172	6.172	(1.282)	85041	1000.00	615.67
141	Cyclohexane	56	4.781	4.781	(0.993)	406860	50.0000	47.64
138	Freon TF	101	2.337	2.337	(0.485)	227466	50.0000	48.68
140	1,3-Butadiene	54	1.404	1.404	(0.292)	329457	50.0000	50.00
147	Methylcyclohexane	55	5.947	5.947	(1.071)	682021	50.0000	48.62
146	Methyl Acetate	43	2.712	2.712	(0.563)	262679	50.0000	44.84
148	Tert-Butyl alcohol	59	2.967	2.967	(0.616)	627600	1000.00	976.34
149	Isopropyl Alcohol	45	2.562	2.562	(0.532)	405751	1000.00	892.24
72	trans-1,4-Dichloro-2-butene	53	9.377	9.377	(1.146)	53654	50.0000	49.01
12	Isobutyl Alcohol	43	5.287	5.287	(1.098)	1010580	1000.00	1118.12
13	Acetonitrile	39	2.671	2.671	(0.555)	353029	500.000	468.74
14	Allyl Chloride	41	2.671	2.671	(0.555)	823938	50.0000	45.62
25	Methacrylonitrile	41	4.496	4.496	(0.934)	188908	50.0000	45.96
40	Methyl Methacrylate	41	6.157	6.157	(1.279)	290736	50.0000	48.60
4	Propionitrile	54	4.339	4.339	(0.901)	448913	500.000	446.58
194	Acetaldehyde	44	1.460	1.460	(0.303)	212239	200.000	221.21(M)
134	Cyclohexanone	55	9.156	9.156	(0.900)	304285	1000.00	1004.49
182	Epichlorohydrin	57	6.633	6.633	(1.194)	15810	200.000	166.33(M)
136	n-Hexane	57	3.342	3.342	(0.694)	305754	50.0000	52.50

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.



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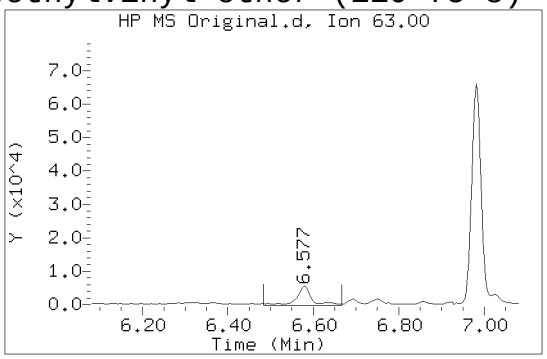
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Operator: PC
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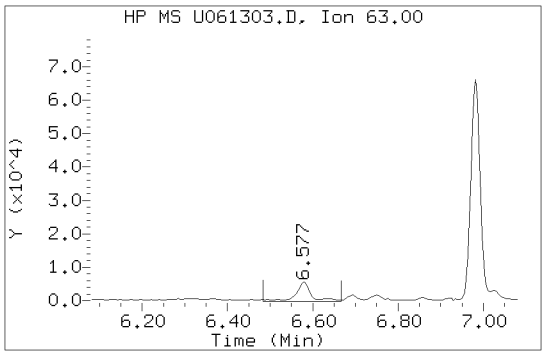
2-Chloroethylvinyl ether (110-75-8)

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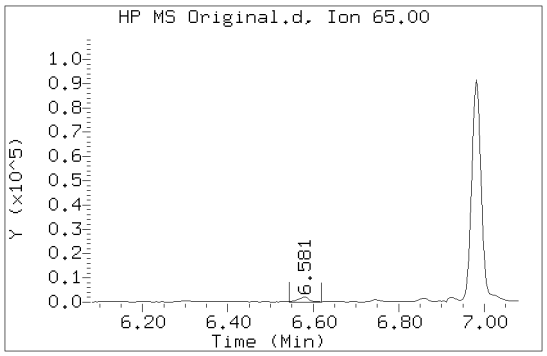
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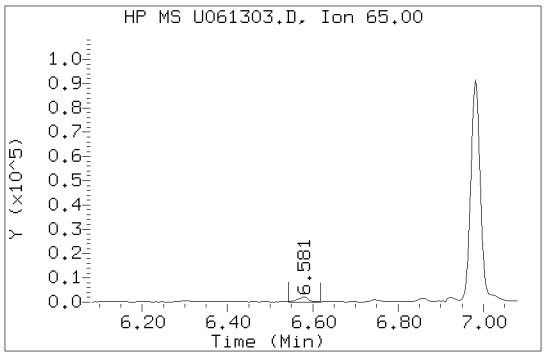
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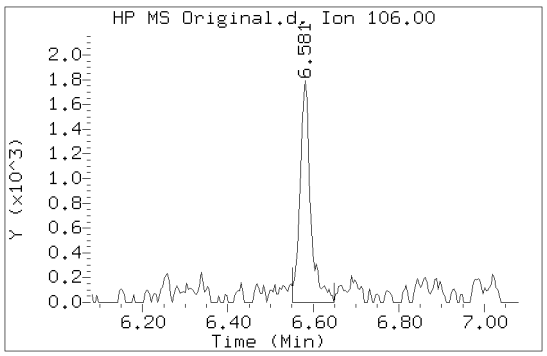
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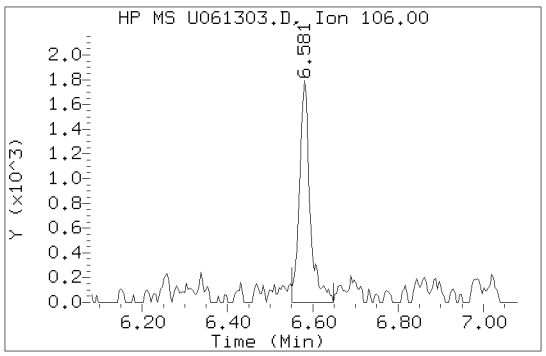
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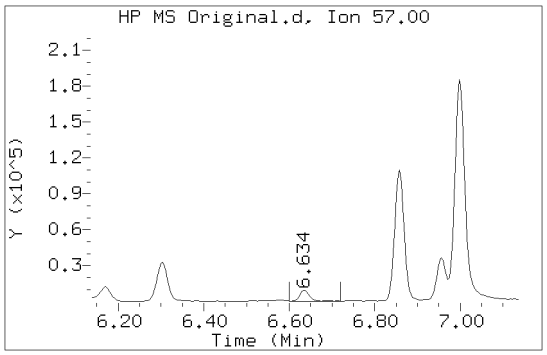
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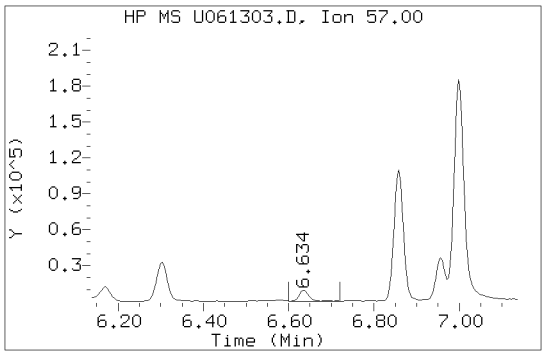
Epichlorohydrin (106-89-8)

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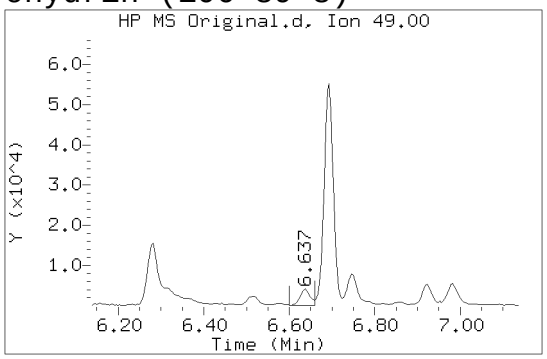
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Epichlorohydrin (106-89-8)

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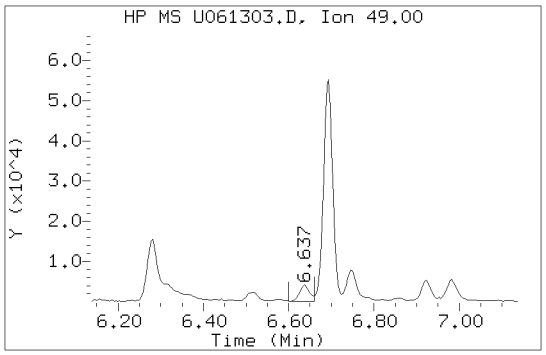
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AFTER

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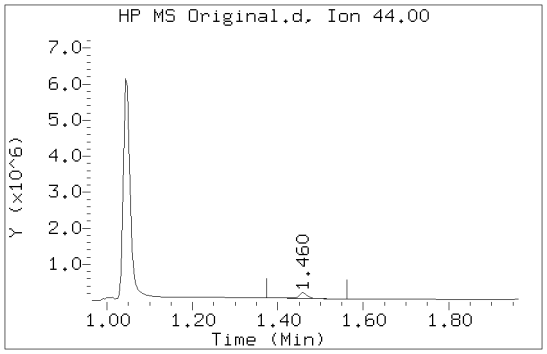


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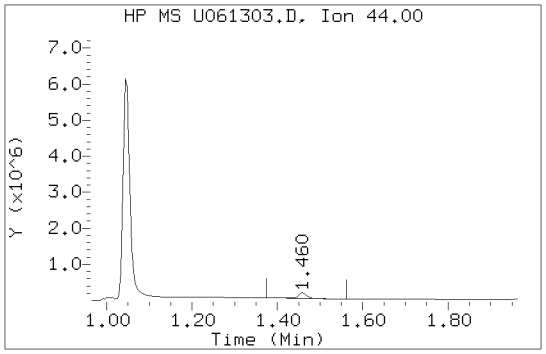
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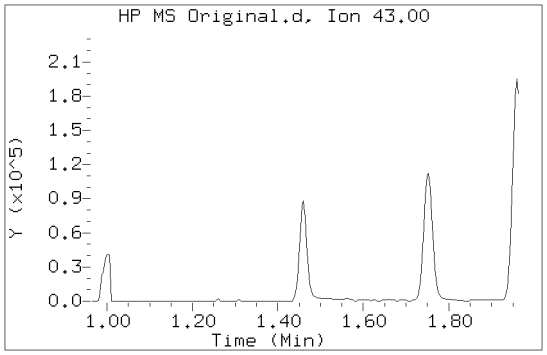
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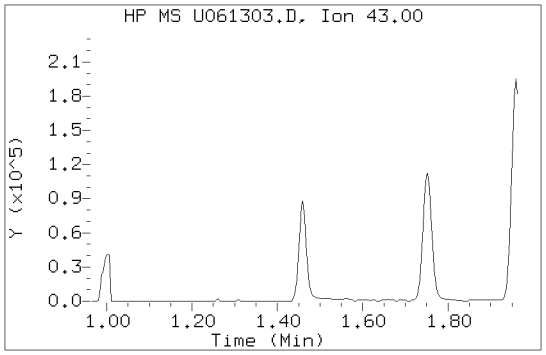
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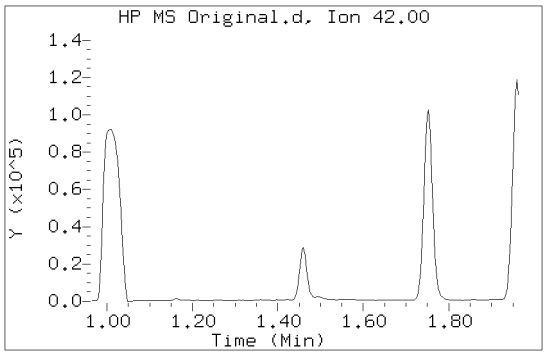
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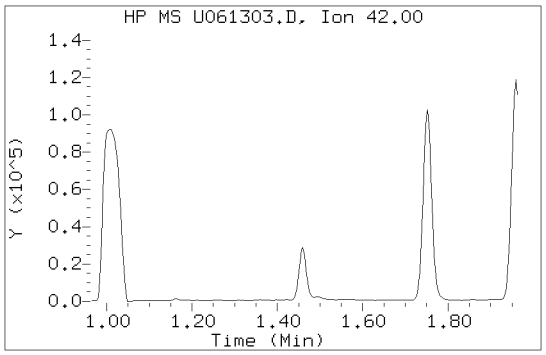
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Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061305.D Page 1
Report Date: 15-Jun-2023 11:47

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061305.D
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Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1	Pentafluorobenzene	168	4.819	4.815	(1.000)	671057	50.0000	
2	Dichlorodifluoromethane	85	1.168	1.164	(0.242)	101379	16.4048	16.40
3	Chloromethane	50	1.303	1.295	(0.270)	181200	17.0374	17.03
5	Vinyl Chloride	62	1.381	1.377	(0.287)	122687	17.2845	17.28
6	Bromomethane	94	1.625	1.617	(0.337)	80782	21.1082	21.10
7	Chloroethane	64	1.704	1.700	(0.354)	80471	16.8298	16.82
8	Trichlorofluoromethane	101	1.903	1.895	(0.395)	148507	18.2167	18.21
9	Acrolein	56	2.270	2.266	(0.471)	14335	40.2459	40.24
10	Acetone	43	2.416	2.408	(0.501)	115516	47.2756	47.27
11	1,1-Dichloroethene	96	2.337	2.333	(0.485)	92675	18.1940	18.19
15	Iodomethane	142	2.476	2.468	(0.514)	107144	34.8380	34.83
16	Acrylonitrile	53	3.072	3.064	(0.638)	98637	39.6355	39.63
17	Methylene Chloride	84	2.798	2.794	(0.581)	124780	19.7813	19.78
18	Methyl tert-butyl ether	73	3.087	3.079	(0.641)	316920	20.2891	20.28
19	Carbon Disulfide	76	2.525	2.521	(0.524)	526602	38.6717	38.67
20	trans-1,2-Dichloroethene	96	3.065	3.061	(0.636)	107454	19.3977	19.39
21	Vinyl Acetate	43	3.612	3.608	(0.750)	654290	38.7469	38.74
22	1,1-Dichloroethane	63	3.522	3.514	(0.731)	189620	18.0120	18.01
24	2-Butanone	43	4.272	4.268	(0.886)	120018	39.2271	39.22
26	2,2-Dichloropropane	77	4.185	4.181	(0.869)	142482	20.7059	20.70

27 cis-1,2-Dichloroethene	96	4.200	4.196 (0.872)	122838	18.5355	18.53
28 Chloroform	83	4.575	4.571 (0.949)	209961	19.1626	19.16

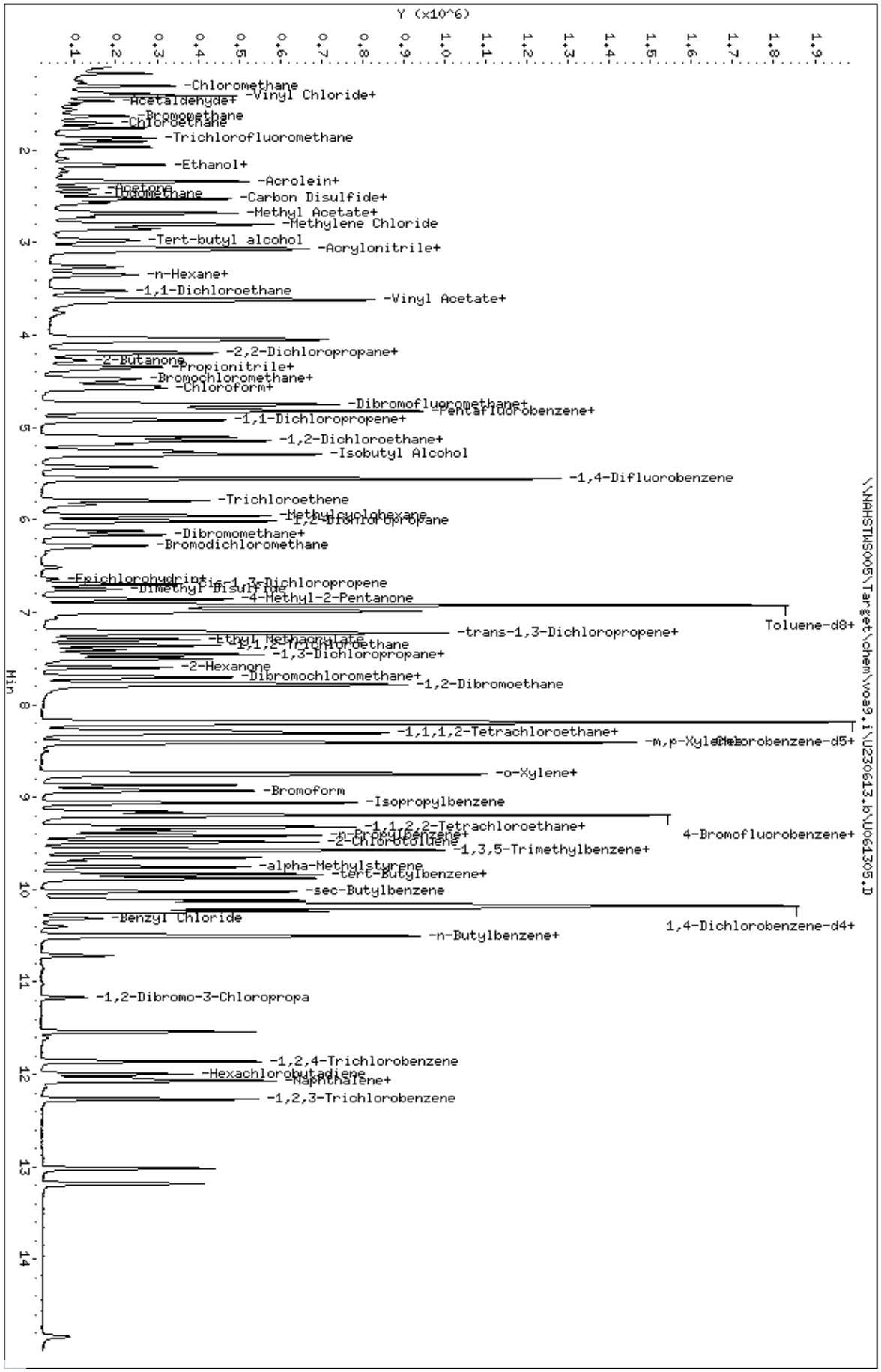
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	29 Bromochloromethane	128	4.474	4.470	(0.928)	68732	18.5410	18.54
$	30 Dibromofluoromethane	113	4.752	4.747	(0.986)	285790	50.7432	50.74
	31 1,1,1-Trichloroethane	97	4.748	4.744	(0.985)	158107	18.9328	18.93
	32 1,1-Dichloropropene	75	4.924	4.920	(0.886)	141475	19.3445	19.34
	33 1,2-Dichloroethane	62	5.179	5.179	(0.932)	162585	18.8239	18.82
	34 Carbon Tetrachloride	117	4.913	4.909	(0.884)	123876	18.4398	18.43
$	35 1,2-Dichloroethane-d4	65	5.100	5.100	(1.058)	304311	49.9286	49.92
*	36 1,4-Difluorobenzene	114	5.558	5.553	(1.000)	997910	50.0000	
	37 Benzene	78	5.141	5.137	(0.925)	471585	19.6117	19.61
	38 Trichloroethene	130	5.790	5.790	(1.042)	133511	19.1562	19.15
	39 Bromodichloromethane	83	6.281	6.281	(1.130)	144770	19.3004	19.30
	41 2-Chloroethylvinyl ether	63	6.581	6.577	(1.184)	5256	28.9704	28.97(M)
	42 1,2-Dichloropropane	63	6.011	6.011	(1.082)	123126	19.1774	19.17
	44 Dibromomethane	93	6.124	6.120	(1.102)	78285	19.0834	19.08
	45 4-Methyl-2-Pentanone	43	6.858	6.858	(0.838)	272822	40.1098	40.10
	46 cis-1,3-Dichloropropene	75	6.693	6.693	(1.204)	174773	18.6382	18.63
*	47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	934055	50.0000	
$	48 Toluene-d8	98	6.922	6.922	(0.846)	1094947	51.7942	51.79
	50 Toluene	91	6.982	6.982	(0.853)	505980	19.9725	19.97
	51 trans-1,3-Dichloropropene	75	7.199	7.199	(1.295)	141400	18.1074	18.10
	52 2-Hexanone	43	7.593	7.593	(0.928)	188997	39.8987	39.89
	53 1,1,2-Trichloroethane	83	7.357	7.357	(0.899)	100421	19.0508	19.05
	54 1,3-Dichloropropane	76	7.499	7.499	(0.916)	210210	19.5187	19.51
	55 Dibromochloromethane	129	7.694	7.694	(0.940)	124984	19.9834	19.98
	56 Tetrachloroethene	164	7.458	7.458	(0.911)	120121	19.4611	19.46
	57 1,2-Dibromoethane	107	7.784	7.784	(0.951)	124887	19.2059	19.20
	58 1-Chlorohexane	55	8.197	8.196	(1.475)	92536	18.0588	18.05
	59 Chlorobenzene	112	8.212	8.211	(1.003)	350760	19.3997	19.39
	60 1,1,1,2-Tetrachloroethane	131	8.287	8.286	(1.012)	120828	19.4435	19.44
	61 Ethylbenzene	106	8.305	8.309	(1.015)	163782	19.4623	19.46
	62 m,p-Xylenes	106	8.410	8.410	(1.027)	404206	40.5979	40.59
	63 o-Xylene	106	8.748	8.747	(1.069)	196174	19.9448	19.94
	64 Styrene	104	8.763	8.762	(1.071)	323914	20.7515	20.75
	66 Bromoform	173	8.920	8.920	(1.090)	81688	19.3495	19.34
	67 Isopropylbenzene	105	9.063	9.062	(1.107)	468391	19.8264	19.82
	68 1,1,2,2-Tetrachloroethane	83	9.329	9.328	(0.917)	170782	18.7119	18.71
$	69 4-Bromofluorobenzene	95	9.194	9.193	(1.123)	437702	52.5954	52.59
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	485211	50.0000	
	71 1,2,3-Trichloropropane	75	9.362	9.362	(0.920)	149574	18.6286	18.62
	73 n-Propylbenzene	91	9.411	9.411	(0.925)	484032	19.0183	19.01
	74 Bromobenzene	156	9.317	9.317	(0.916)	154462	18.8672	18.86
	75 1,3,5-Trimethylbenzene	105	9.561	9.561	(0.940)	330685	18.9391	18.93
	76 2-Chlorotoluene	91	9.482	9.482	(0.932)	350244	19.5764	19.57
	77 4-Chlorotoluene	91	9.576	9.576	(0.941)	386294	19.5063	19.50
	78 tert-Butylbenzene	119	9.839	9.838	(0.967)	320983	18.7172	18.71
	79 1,2,4-Trimethylbenzene	105	9.880	9.879	(0.971)	343986	18.8286	18.82
	81 sec-Butylbenzene	105	10.022	10.022	(0.985)	410942	18.8956	18.89
	82 p-Isopropyltoluene	119	10.146	10.146	(0.997)	343177	18.8353	18.83
	83 1,3-Dichlorobenzene	146	10.116	10.116	(0.994)	262585	18.8844	18.88
	84 1,4-Dichlorobenzene	146	10.191	10.191	(1.002)	273817	18.4694	18.46
	87 n-Butylbenzene	91	10.491	10.494	(1.031)	286908	18.3943	18.39
	88 1,2-Dichlorobenzene	146	10.506	10.505	(1.033)	261481	18.7556	18.75

89	1,2-Dibromo-3-Chloropropane	155	11.169	11.169 (1.098)	25270	18.9738	18.97
90	1,2,4-Trichlorobenzene	180	11.859	11.859 (1.166)	173933	18.1381	18.13

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	91 Hexachlorobutadiene	225	11.998	11.997	(1.179)	71353	18.4251	18.42
	92 Naphthalene	128	12.069	12.069	(1.186)	426163	19.1320	19.13
	93 1,2,3-Trichlorobenzene	180	12.271	12.267	(1.206)	167848	17.9046	17.90
M	94 1,2-Dichloroethylene (total)	96				230292	37.9332	37.93
M	95 Xylenes (total)	106				600380	60.5427	60.54
	135 1,4-Dioxane	88	6.172	6.172	(1.281)	35281	264.779	264.77
	141 Cyclohexane	56	4.785	4.781	(0.993)	151962	18.8412	18.84
	138 Freon TF	101	2.341	2.337	(0.486)	83066	18.4310	18.43
	140 1,3-Butadiene	54	1.408	1.404	(0.292)	114792	18.0628	18.06
	147 Methylcyclohexane	55	5.951	5.947	(1.071)	282675	20.4201	20.42
	146 Methyl Acetate	43	2.720	2.712	(0.564)	106108	18.7790	18.77
	148 Tert-Butyl alcohol	59	2.975	2.967	(0.617)	260235	416.839	416.83
	149 Isopropyl Alcohol	45	2.570	2.562	(0.533)	158734	361.837	361.83
	72 trans-1,4-Dichloro-2-butene	53	9.377	9.377	(1.146)	21913	20.3750	20.37
	12 Isobutyl Alcohol	43	5.291	5.287	(1.098)	409000	469.097	469.09
	13 Acetonitrile	39	2.679	2.671	(0.556)	151232	208.158	208.15
	14 Allyl Chloride	41	2.679	2.671	(0.556)	349035	20.0338	20.03
	25 Methacrylonitrile	41	4.500	4.496	(0.934)	75380	19.0126	19.01
	40 Methyl Methacrylate	41	6.161	6.157	(1.278)	117230	20.3176	20.31
	4 Propionitrile	54	4.343	4.339	(0.901)	188177	194.058	194.05(a)
	194 Acetaldehyde	44	1.464	1.460	(0.304)	72314	78.1336	78.13(M)
	134 Cyclohexanone	55	9.156	9.156	(0.900)	128867	428.397	428.39(a)
	182 Epichlorohydrin	57	6.637	6.633	(1.194)	4471	56.0829	56.08
	136 n-Hexane	57	3.346	3.342	(0.694)	105257	19.2131	19.21

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.



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Column phase: DB624

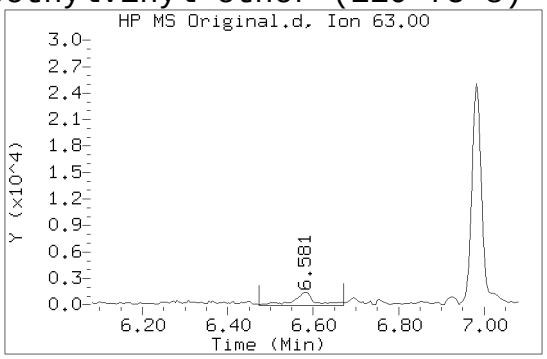
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Operator: PC
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InstruID : VOA9.i
LabSampID : VLCSW-230613

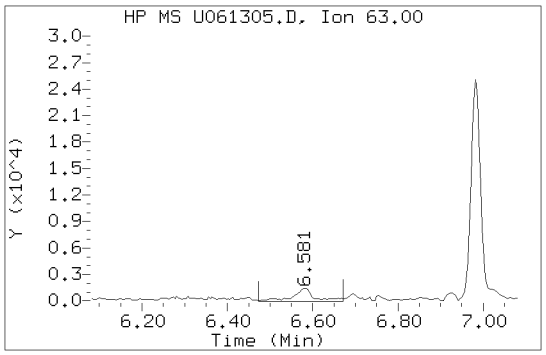
2-Chloroethylvinyl ether (110-75-8)

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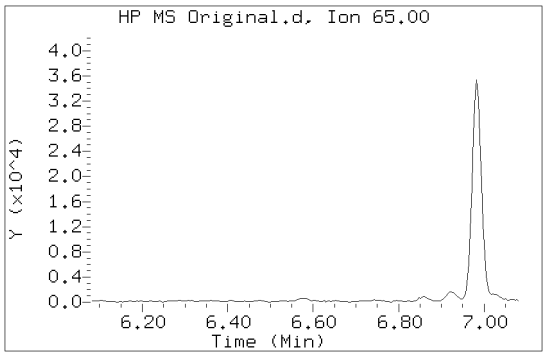
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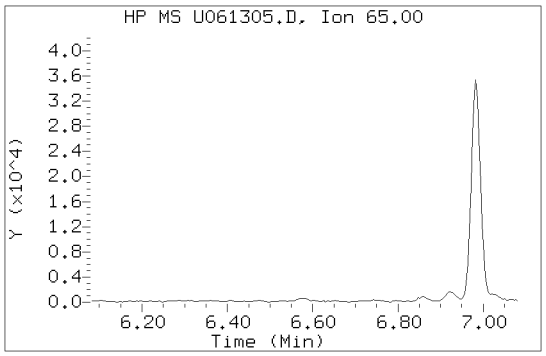
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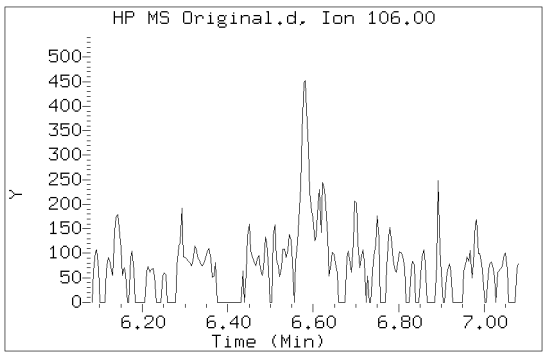
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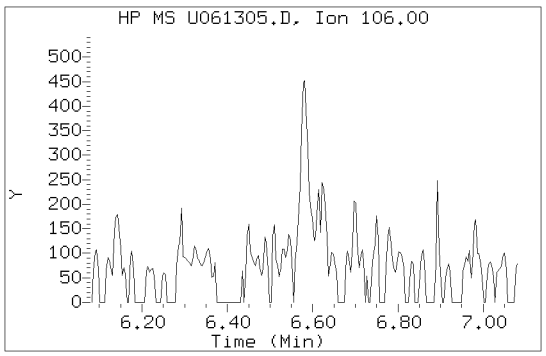
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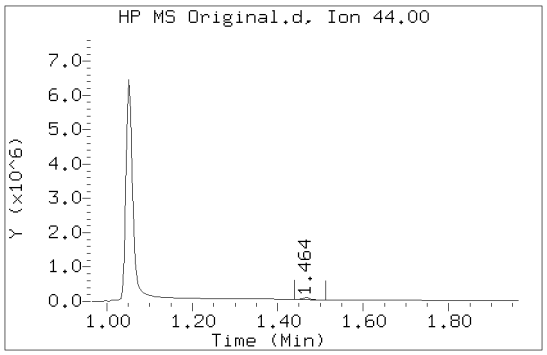
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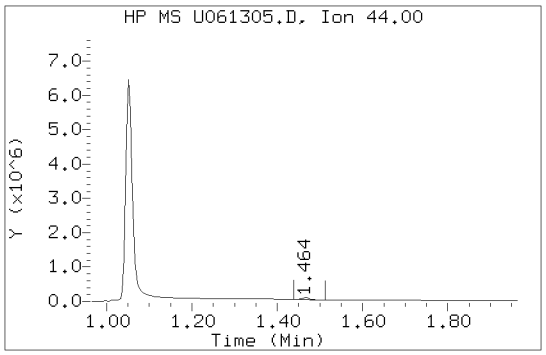
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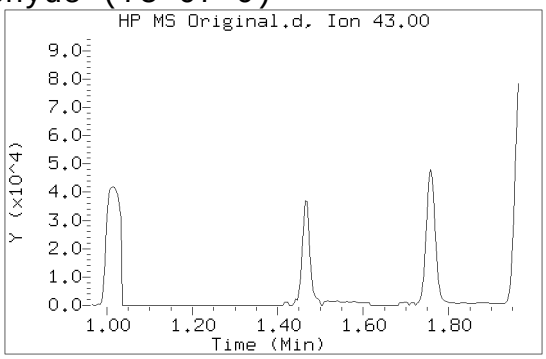


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LabSampID : VLCSW-230613

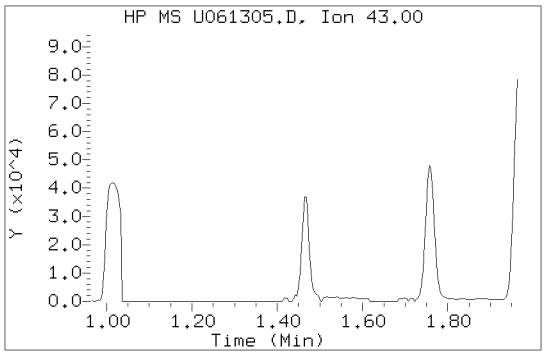
Acetaldehyde (75-07-0)

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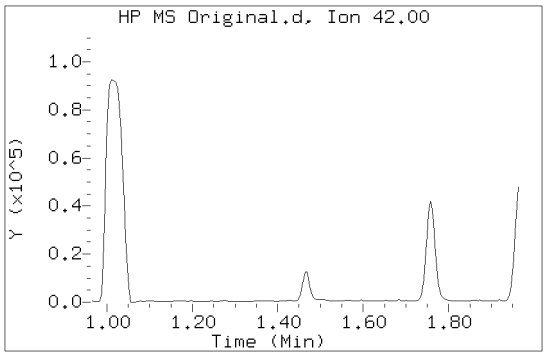
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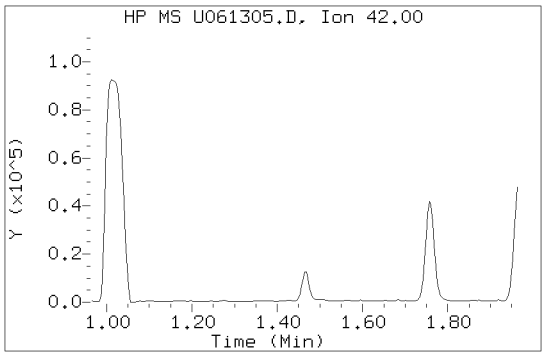
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Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061307.D Page 1
Report Date: 15-Jun-2023 11:47

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061307.D
Lab Smp Id: VBLKW-230613 Client Smp ID: VBLKW-230613
Inj Date : 13-JUN-2023 13:57
Operator : PC Inst ID: VOA9.i
Smp Info : VBLKW-230613;VBLKW-230613;3;;BLANK
Misc Info : V9;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\8260C.m
Meth Date : 15-Jun-2023 11:47 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 13:50 Cal File: U060608.D
Als bottle: 7 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.815	4.815	(1.000)	735968	50.0000	
$ 30 Dibromofluoromethane	113	4.747	4.747	(0.986)	297894	48.2117	48.21
$ 35 1,2-Dichloroethane-d4	65	5.096	5.100	(1.058)	336984	50.4195	50.41
* 36 1,4-Difluorobenzene	114	5.553	5.553	(1.000)	1049905	50.0000	
* 47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	948726	50.0000	
$ 48 Toluene-d8	98	6.922	6.922	(0.846)	1183890	55.1354	55.13
$ 69 4-Bromofluorobenzene	95	9.193	9.193	(1.123)	399960	47.2261	47.22
* 70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	467867	50.0000	

01225182

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061307.D

Date : 13-JUN-2023 13:57

Client ID: VBLKW-230613

Instrument: VOA9.i

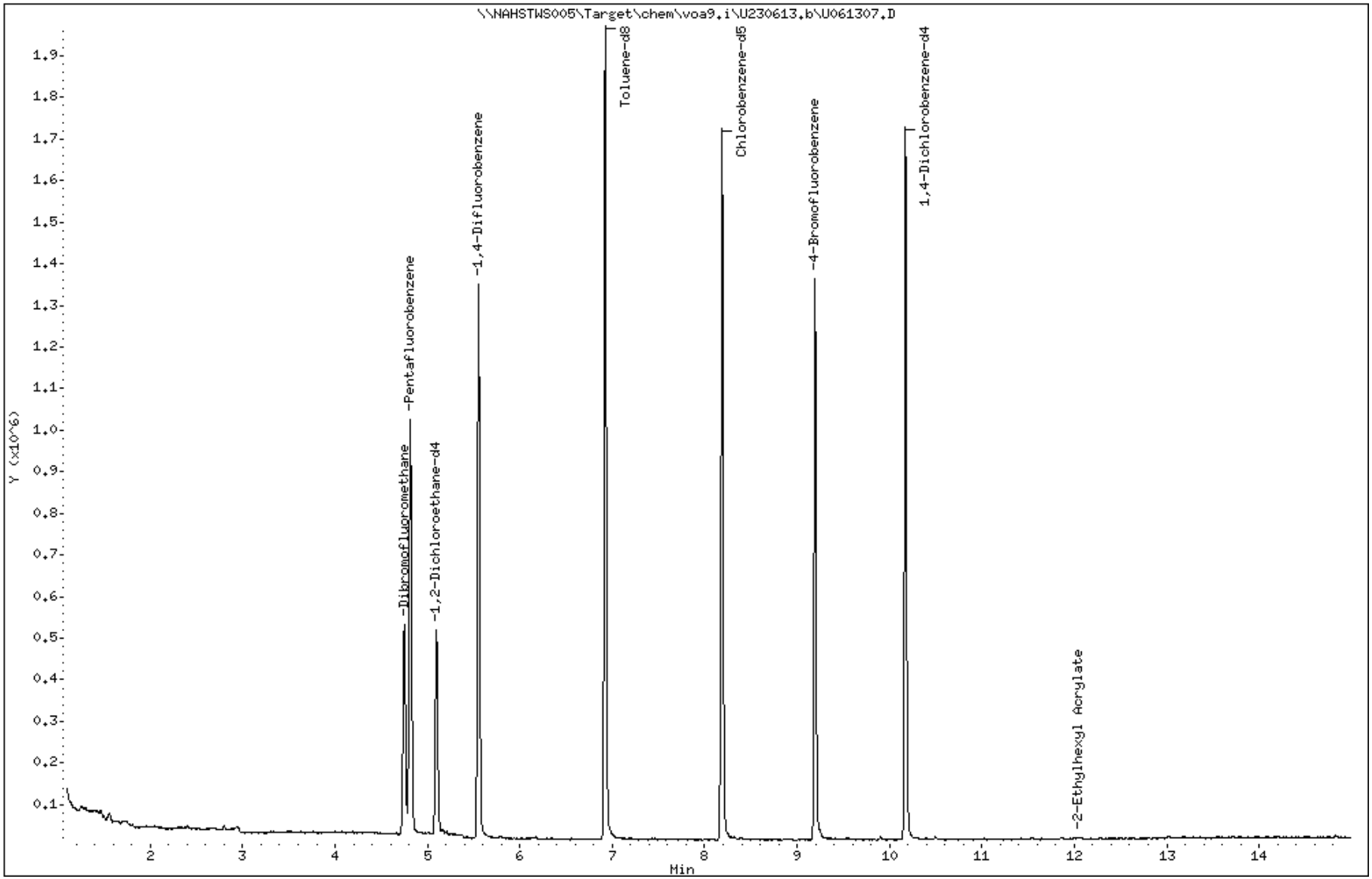
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Purge Volume: 5.0

Operator: PC

Column phase: DB624

Column diameter: 0.18



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Inj Date : 13-JUN-2023 13:57
InstruID : VOA9.i
LabSampID : VBLKW-230613

NO MANUAL INTEGRATIONS

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061308.D Page 1
Report Date: 15-Jun-2023 11:47

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061308.D
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Inj Date : 13-JUN-2023 14:20
Operator : PC Inst ID: VOA9.i
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Misc Info : V9;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\8260C.m
Meth Date : 15-Jun-2023 11:47 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 13:50 Cal File: U060608.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.815	4.815	(1.000)	696007	50.0000	
$ 30 Dibromofluoromethane	113	4.744	4.747	(0.985)	279788	47.8790	47.87
$ 35 1,2-Dichloroethane-d4	65	5.096	5.100	(1.058)	338172	53.5440	53.54
* 36 1,4-Difluorobenzene	114	5.553	5.553	(1.000)	968689	50.0000	
* 47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	928100	50.0000	
$ 48 Toluene-d8	98	6.922	6.922	(0.846)	1174764	55.9263	55.92
$ 69 4-Bromofluorobenzene	95	9.193	9.193	(1.123)	392644	47.3958	47.39
* 70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	458556	50.0000	

01225185

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061308.D

Date : 13-JUN-2023 14:20

Client ID: HS23060596-10

Instrument: VOA9.i

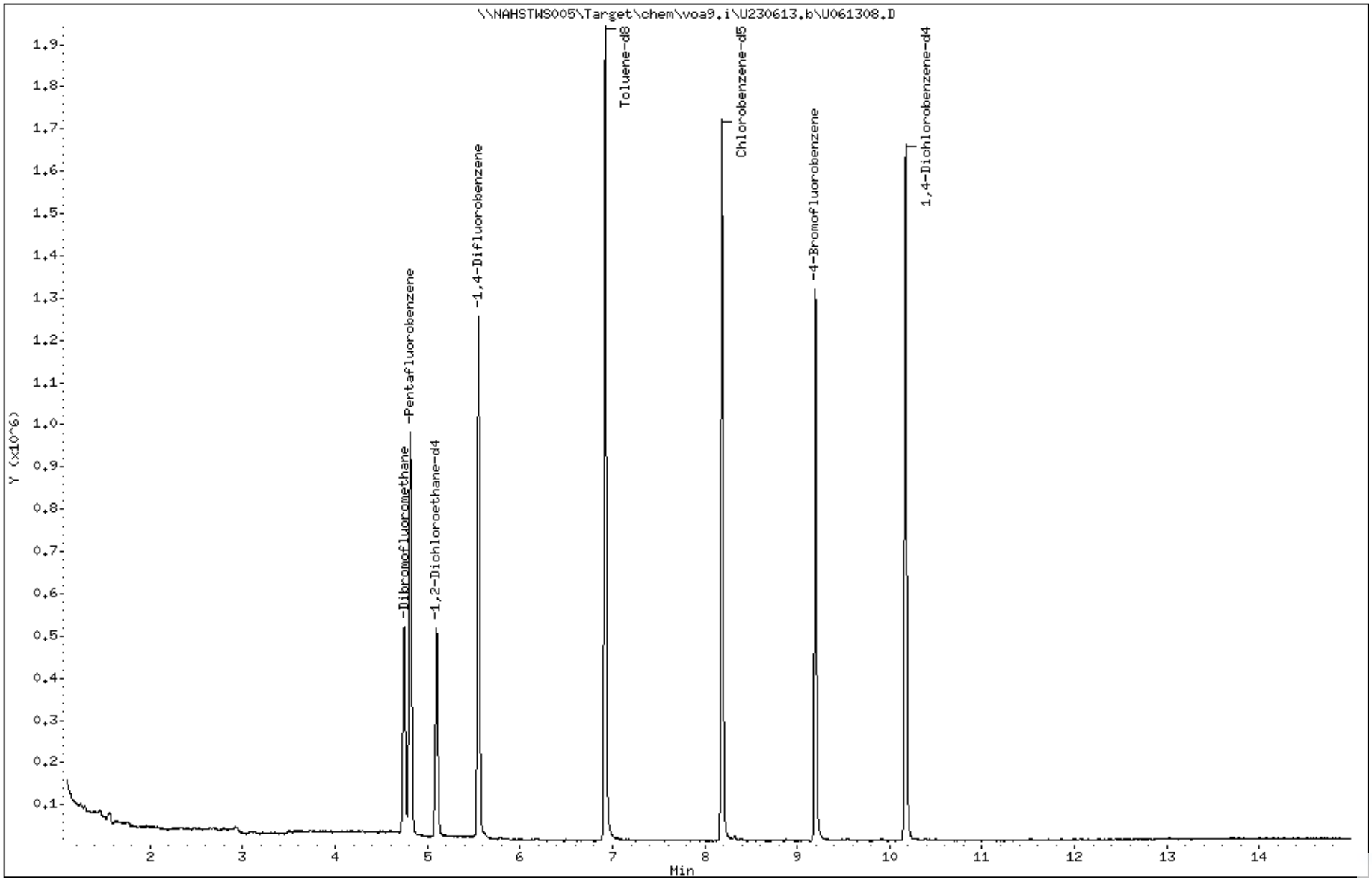
Sample Info: HS23060596-10;HS23060596-10;;;

Purge Volume: 5.0

Operator: PC

Column phase: DB624

Column diameter: 0.18



Data File : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061308.D
Inj Date : 13-JUN-2023 14:20
InstruID : VOA9.i
LabSampID : HS23060596-10

NO MANUAL INTEGRATIONS

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061309.D Page 1
Report Date: 15-Jun-2023 11:47

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061309.D
Lab Smp Id: HS23060596-08 Client Smp ID: HS23060596-08
Inj Date : 13-JUN-2023 14:42
Operator : PC Inst ID: VOA9.i
Smp Info : HS23060596-08;HS23060596-08;;;
Misc Info : V9;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\8260C.m
Meth Date : 15-Jun-2023 11:47 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 13:50 Cal File: U060608.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
*	1 Pentafluorobenzene	168	4.815	4.815	(1.000)	736496	50.0000	
	5 Vinyl Chloride	62	1.374	1.377	(0.285)	57473	7.37755	7.37
	11 1,1-Dichloroethene	96	2.333	2.333	(0.485)	523433	93.6301	93.63
	20 trans-1,2-Dichloroethene	96	3.057	3.061	(0.635)	2937	0.48308	0.48(a)
	22 1,1-Dichloroethane	63	3.514	3.514	(0.730)	285941	24.7482	24.74
	27 cis-1,2-Dichloroethene	96	4.197	4.196	(0.872)	13970	1.92069	1.92(a)
$	30 Dibromofluoromethane	113	4.748	4.747	(0.986)	297377	48.0927	48.09
$	35 1,2-Dichloroethane-d4	65	5.096	5.100	(1.058)	340714	50.9481	50.94
*	36 1,4-Difluorobenzene	114	5.554	5.553	(1.000)	1025896	50.0000	
*	47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	936735	50.0000	
$	48 Toluene-d8	98	6.922	6.922	(0.846)	1145070	54.0102	54.01
$	69 4-Bromofluorobenzene	95	9.194	9.193	(1.123)	393400	47.0427	47.04
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	464871	50.0000	
M	94 1,2-Dichloroethylene (total)	96				16907	2.40377	2.40(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

01225188

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061309.D

Page 1

Date : 13-JUN-2023 14:42

Client ID: HS23060596-08

Instrument: VOA9.i

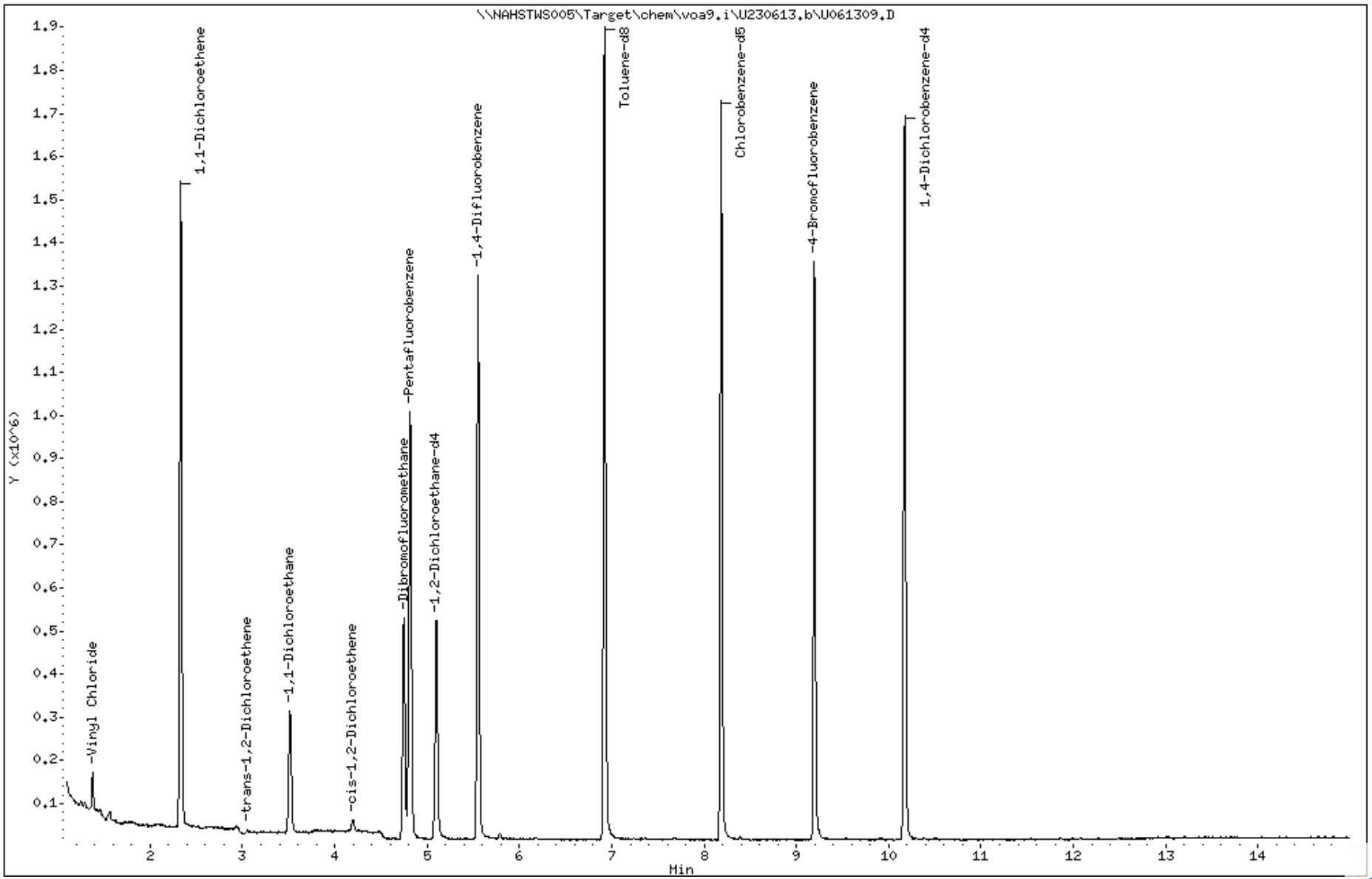
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Purge Volume: 5.0

Operator: PC

Column phase: DB624

Column diameter: 0.18



Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061309.D

Date : 13-JUN-2023 14:42

Client ID: HS23060596-08

Instrument: VOA9.i

Sample Info: HS23060596-08;HS23060596-08;;;

Purge Volume: 5.0

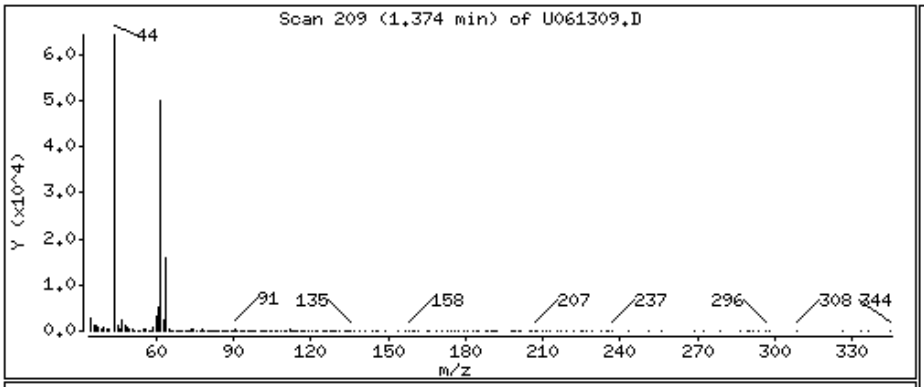
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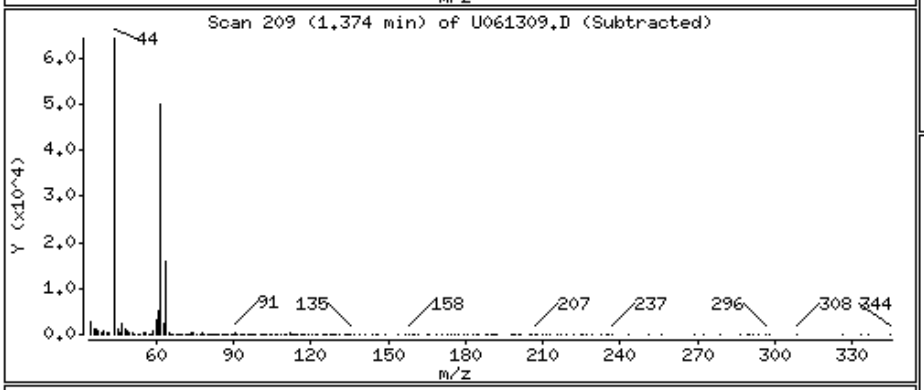
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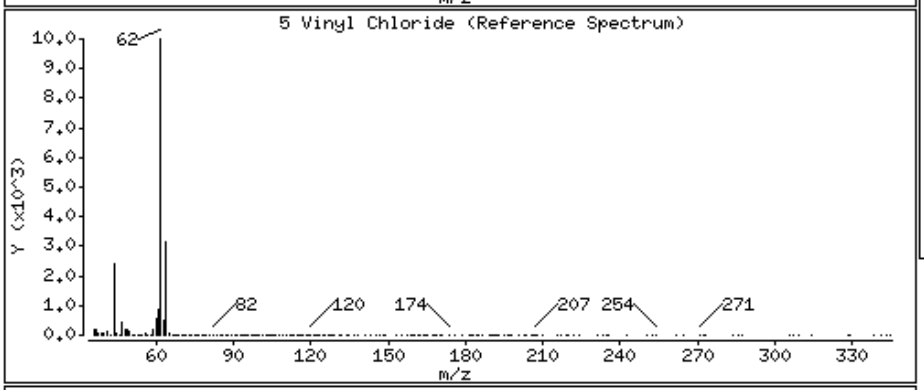
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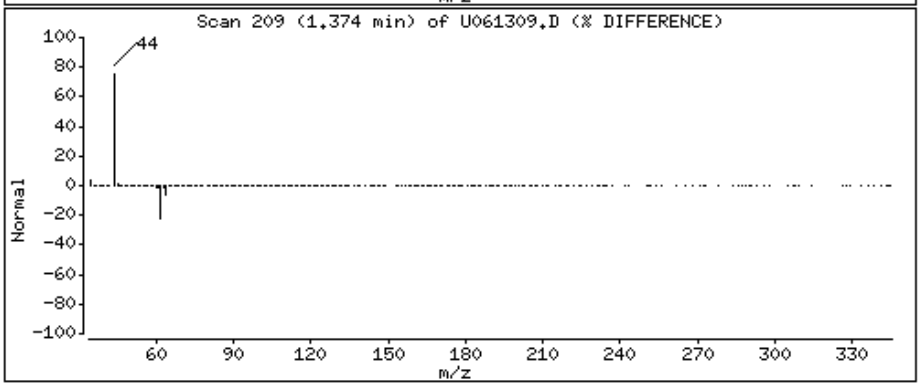
5 Vinyl Chloride

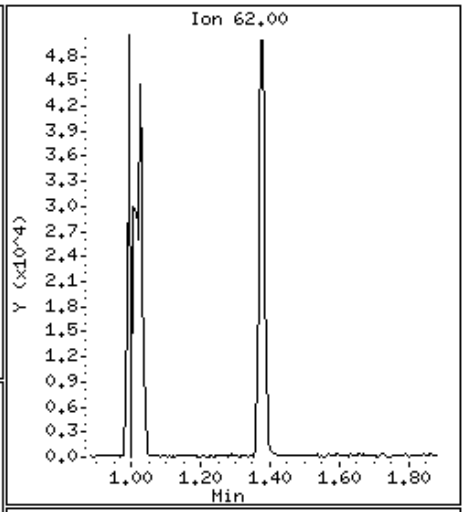
Concentration: 7.37 ug/l

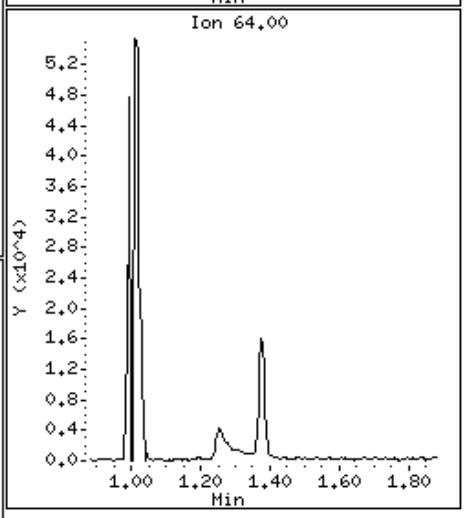












Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061309.D Page 3

Date : 13-JUN-2023 14:42

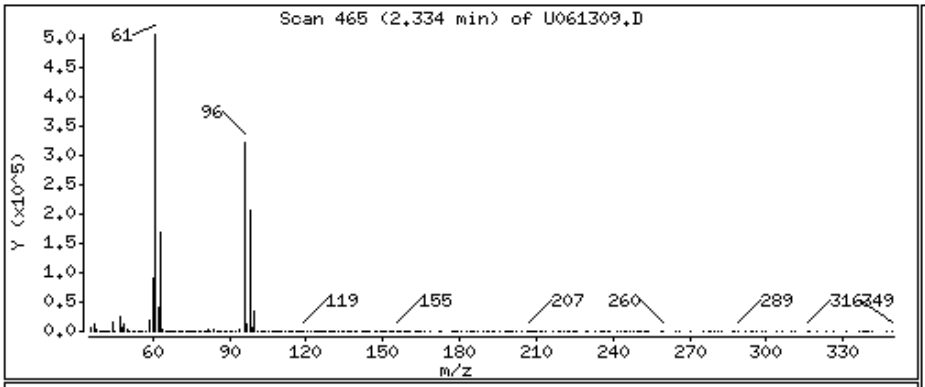
Client ID: HS23060596-08 Instrument: VOA9.i

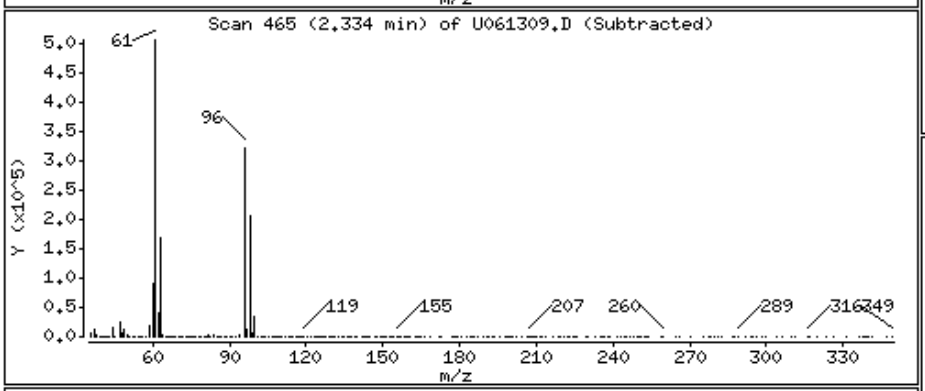
Sample Info: HS23060596-08;HS23060596-08;;;

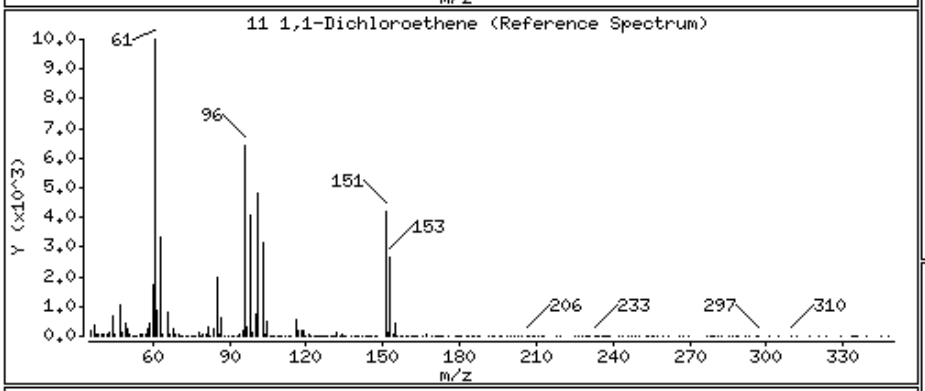
Purge Volume: 5.0 Operator: PC

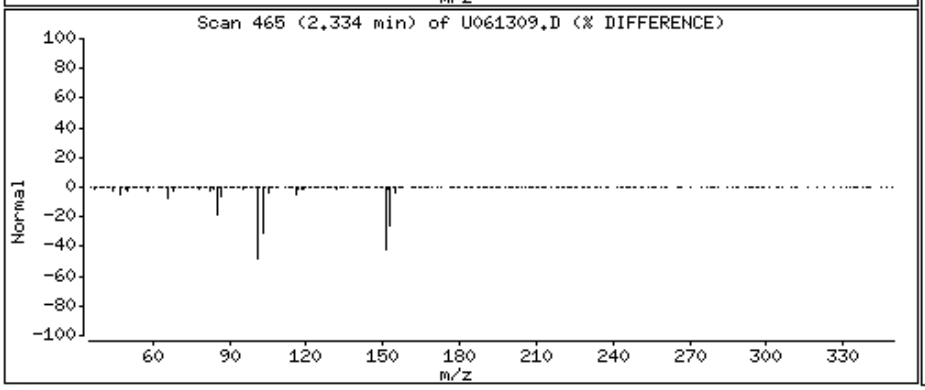
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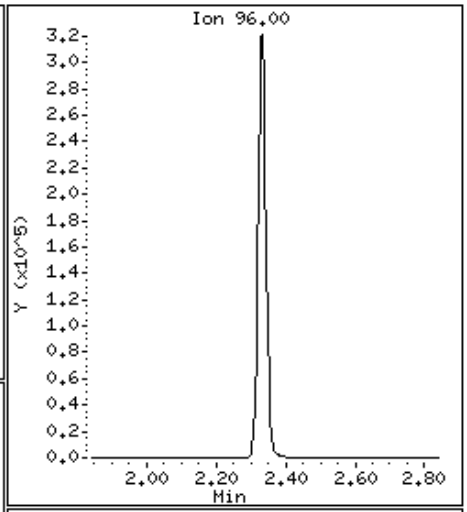
11 1,1-Dichloroethene Concentration: 93.63 ug/l

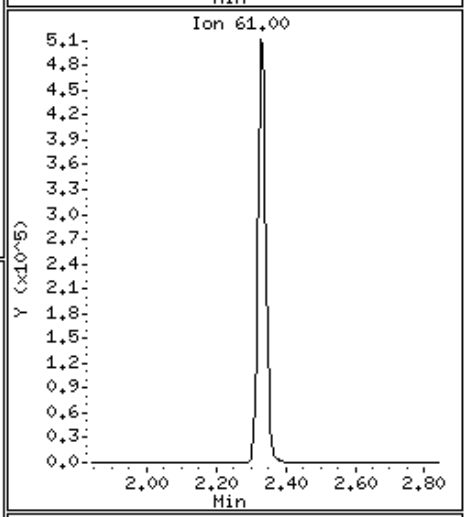


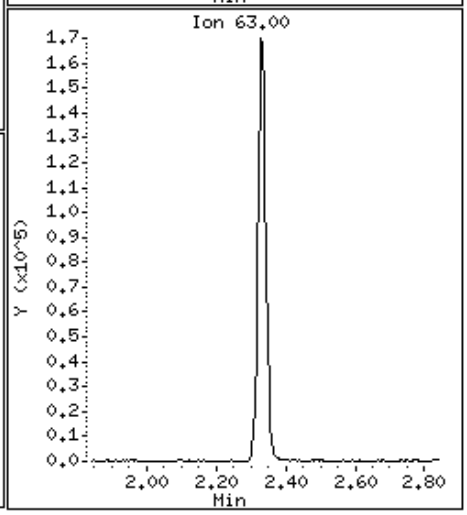












Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061309.D Page 4

Date : 13-JUN-2023 14:42

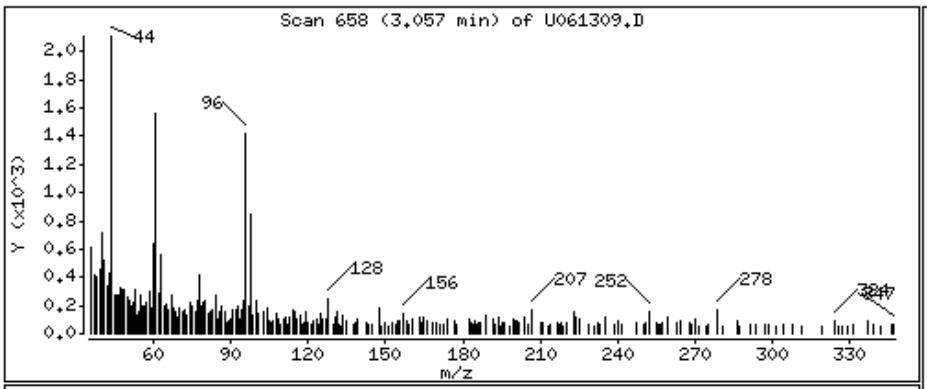
Client ID: HS23060596-08 Instrument: VOA9.i

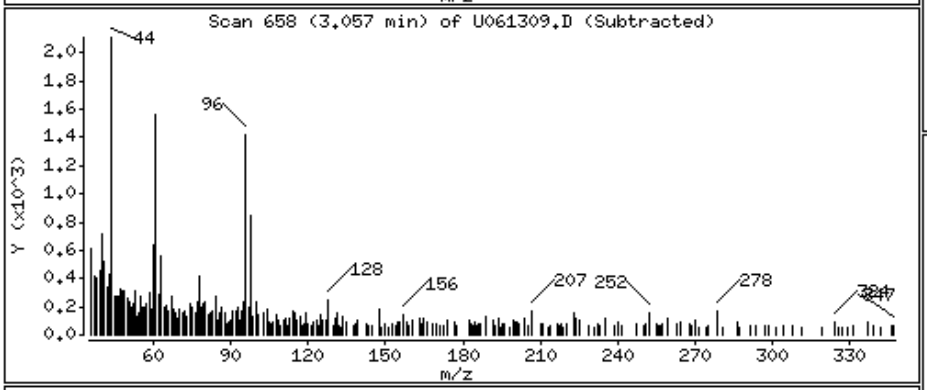
Sample Info: HS23060596-08;HS23060596-08;;;

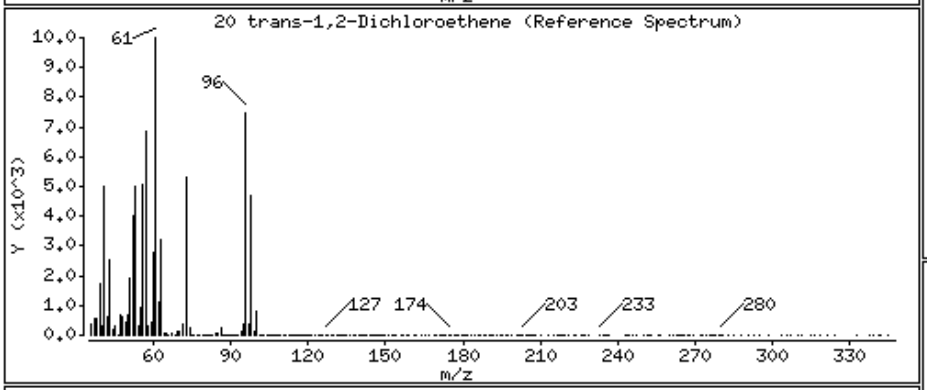
Purge Volume: 5.0 Operator: PC

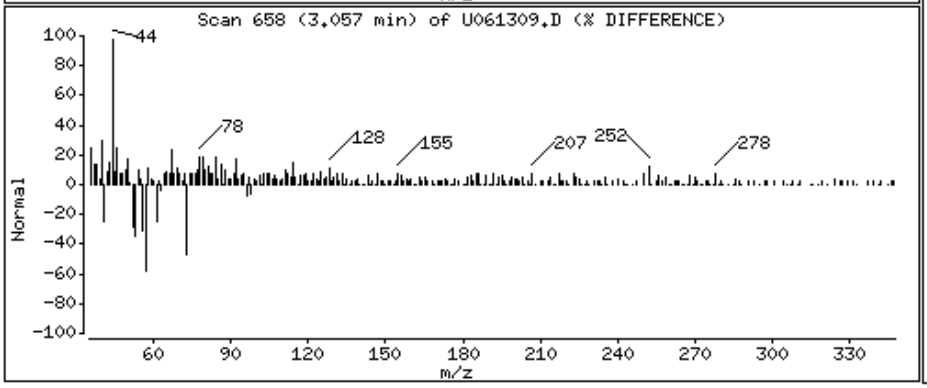
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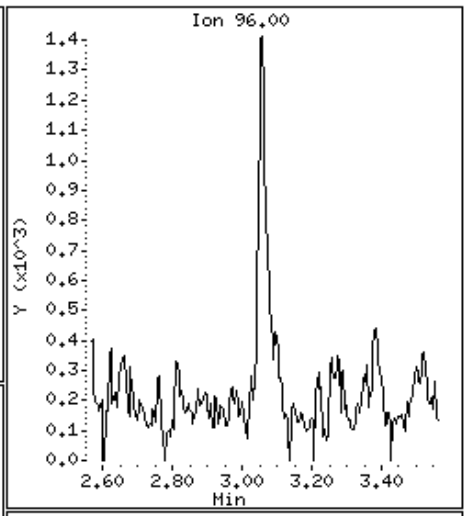
20 trans-1,2-Dichloroethene Concentration: 0.48 ug/l

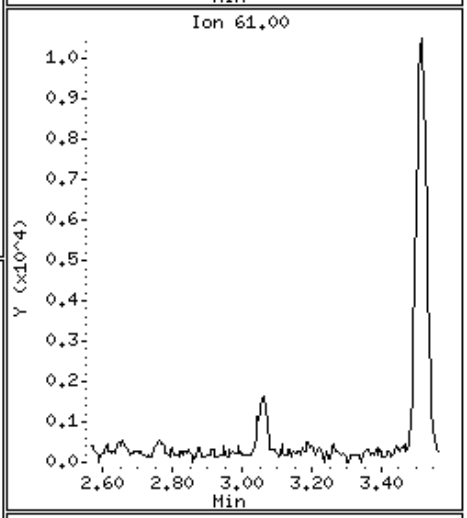


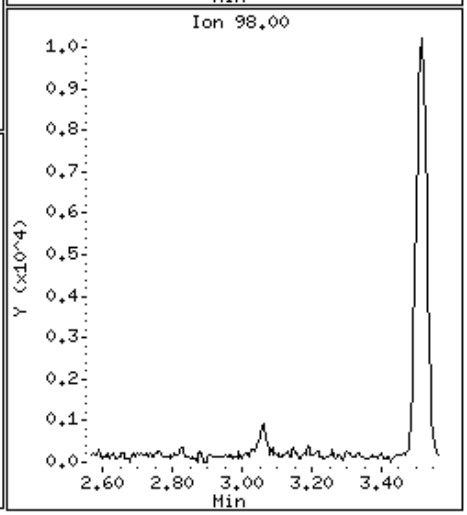












Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061309.D

Date : 13-JUN-2023 14:42

Client ID: HS23060596-08

Instrument: VOA9.i

Sample Info: HS23060596-08;HS23060596-08;;;

Purge Volume: 5.0

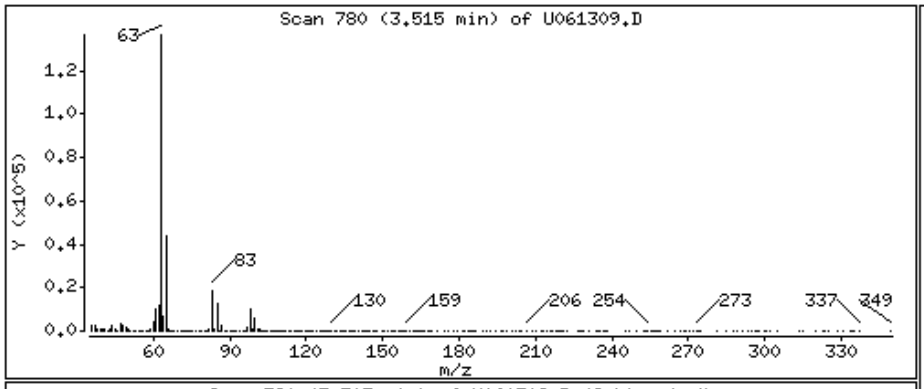
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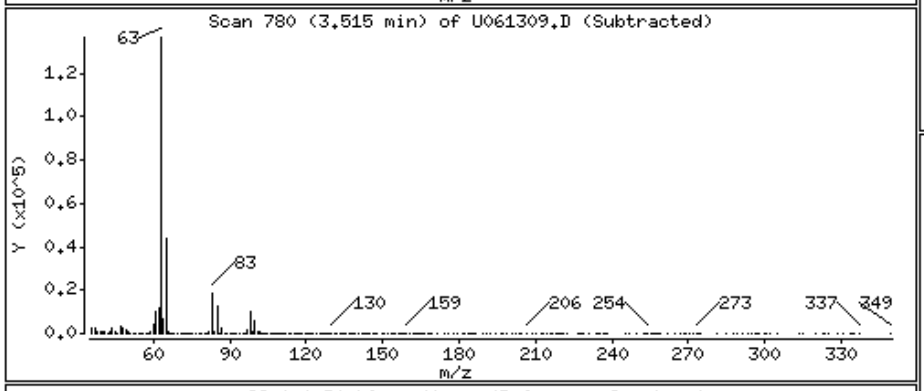
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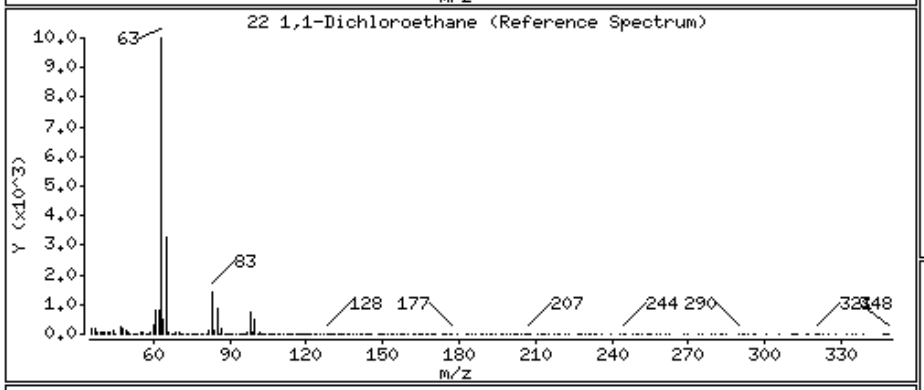
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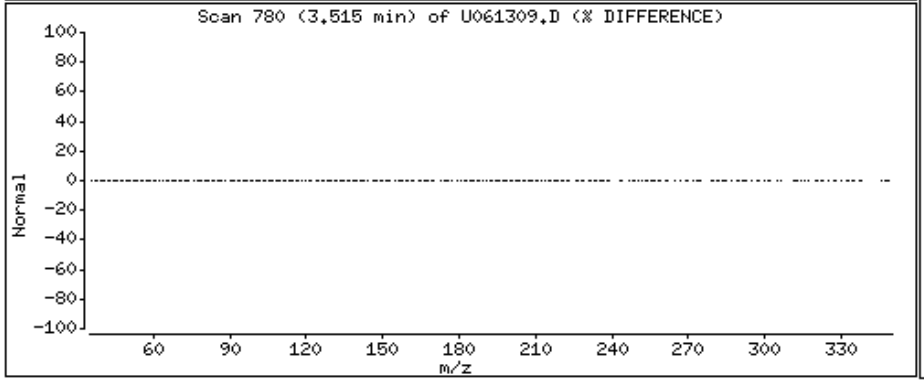
22 1,1-Dichloroethane

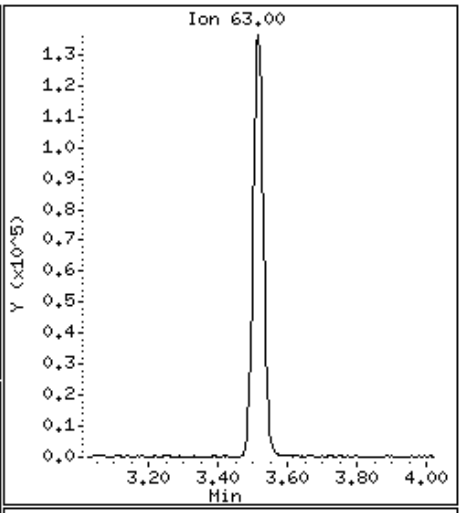
Concentration: 24.74 ug/l

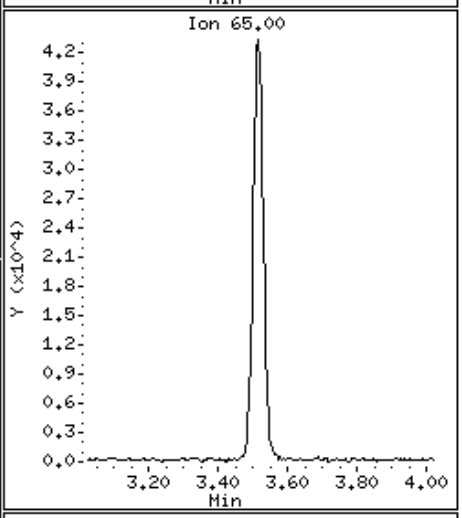


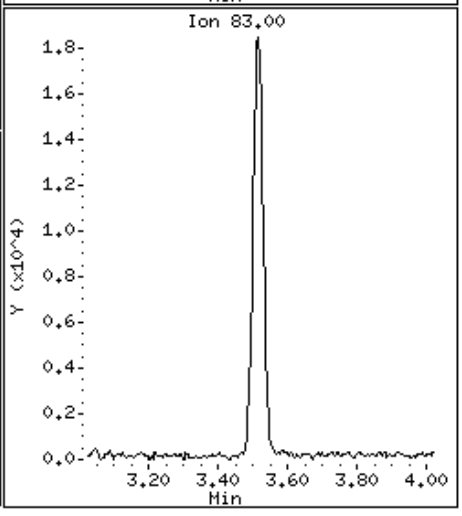












Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061309.D Page 6

Date : 13-JUN-2023 14:42

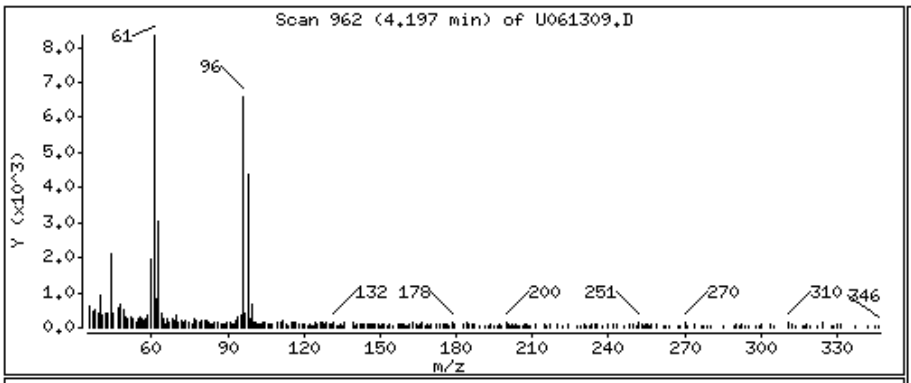
Client ID: HS23060596-08 Instrument: VOA9.i

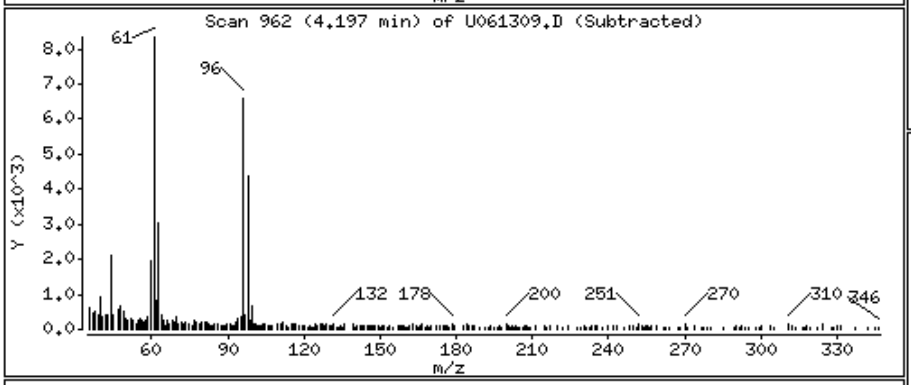
Sample Info: HS23060596-08;HS23060596-08;;;

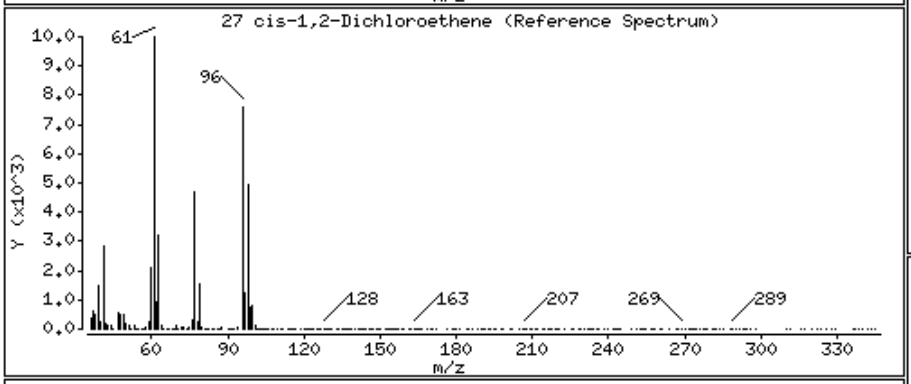
Purge Volume: 5.0 Operator: PC

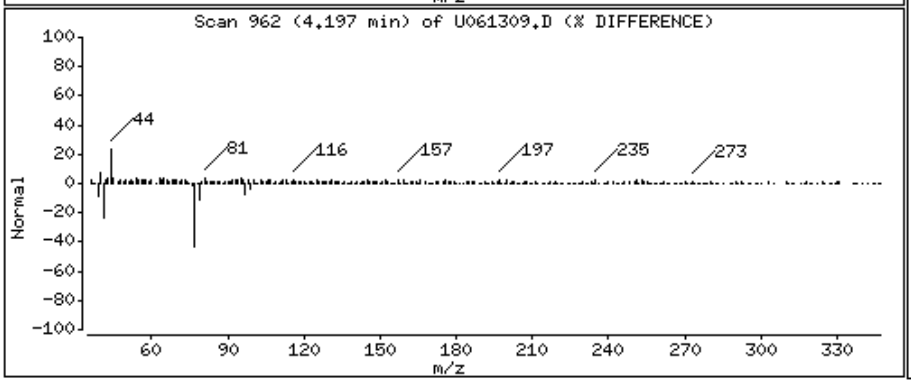
Column phase: DB624 Column diameter: 0.18

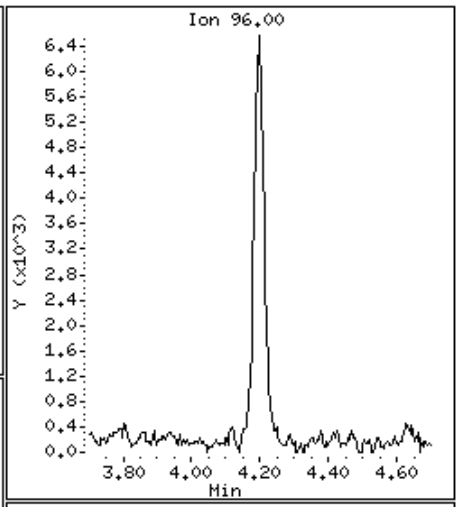
27 cis-1,2-Dichloroethene Concentration: 1.92 ug/l

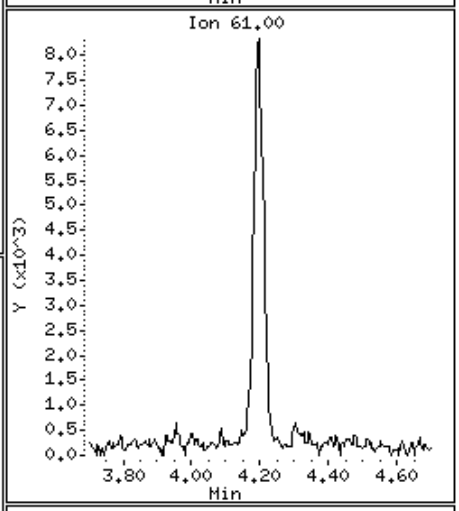


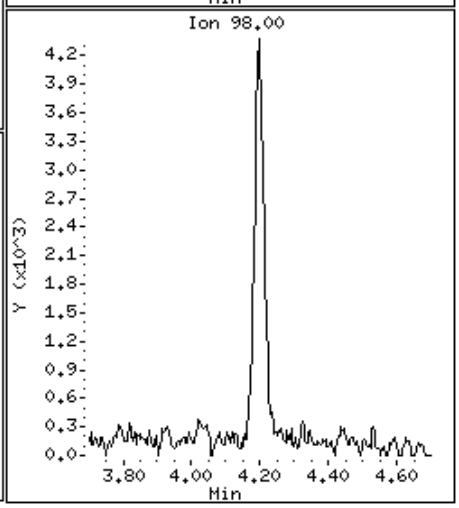












Data File : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061309.D
Inj Date : 13-JUN-2023 14:42
InstruID : VOA9.i
LabSampID : HS23060596-08

NO MANUAL INTEGRATIONS

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061312.D Page 1
Report Date: 15-Jun-2023 11:47

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061312.D
Lab Smp Id: HS23060596-08MS Client Smp ID: HS23060596-08MS
Inj Date : 13-JUN-2023 15:49
Operator : PC Inst ID: VOA9.i
Smp Info : HS23060596-08MS;HS23060596-08MS;3;;MS
Misc Info : V9;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\8260C.m
Meth Date : 15-Jun-2023 11:47 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 13:50 Cal File: U060608.D
Als bottle: 12 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.811	4.815	(1.000)	753098	50.0000	
2 Dichlorodifluoromethane	85	1.157	1.164	(0.240)	78952	11.4084	11.40
3 Chloromethane	50	1.288	1.295	(0.268)	188945	15.7346	15.73
5 Vinyl Chloride	62	1.366	1.377	(0.284)	191893	24.0894	24.08
6 Bromomethane	94	1.610	1.617	(0.335)	92026	21.4544	21.45
7 Chloroethane	64	1.689	1.700	(0.351)	96920	18.0618	18.06
8 Trichlorofluoromethane	101	1.888	1.895	(0.392)	190981	20.8747	20.87
9 Acrolein	56	2.255	2.266	(0.469)	12029	30.0927	30.09
10 Acetone	43	2.401	2.408	(0.499)	89221	30.7572	30.75
11 1,1-Dichloroethene	96	2.326	2.333	(0.484)	654706	114.530	114.53
15 Iodomethane	142	2.461	2.468	(0.512)	95297	29.7103	29.71
16 Acrylonitrile	53	3.057	3.064	(0.635)	116205	41.6081	41.60
17 Methylene Chloride	84	2.787	2.794	(0.579)	133837	18.8603	18.86
18 Methyl tert-butyl ether	73	3.072	3.079	(0.639)	374235	21.3484	21.34
19 Carbon Disulfide	76	2.514	2.521	(0.522)	587049	38.4143	38.41
20 trans-1,2-Dichloroethene	96	3.053	3.061	(0.635)	120695	19.4144	19.41
21 Vinyl Acetate	43	3.601	3.608	(0.748)	703287	37.1114	37.11
22 1,1-Dichloroethane	63	3.507	3.514	(0.729)	481059	40.7178	40.71
24 2-Butanone	43	4.264	4.268	(0.886)	114718	33.4102	33.41
26 2,2-Dichloropropane	77	4.178	4.181	(0.868)	159115	20.6061	20.60

27 cis-1,2-Dichloroethene	96	4.189	4.196 (0.871)	149151	20.0543	20.05
28 Chloroform	83	4.568	4.571 (0.949)	231306	18.8109	18.81

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	29 Bromochloromethane	128	4.463	4.470	(0.928)	70869	17.0348	17.03
$	30 Dibromofluoromethane	113	4.744	4.747	(0.986)	309857	49.0123	49.01
	31 1,1,1-Trichloroethane	97	4.737	4.744	(0.984)	194823	20.7879	20.78
	32 1,1-Dichloropropene	75	4.916	4.920	(0.886)	172966	22.5446	22.54
	33 1,2-Dichloroethane	62	5.175	5.179	(0.932)	185647	20.4890	20.48
	34 Carbon Tetrachloride	117	4.905	4.909	(0.884)	158815	22.5354	22.53
$	35 1,2-Dichloroethane-d4	65	5.096	5.100	(1.059)	339141	49.5768	49.57
*	36 1,4-Difluorobenzene	114	5.550	5.553	(1.000)	1046858	50.0000	
	37 Benzene	78	5.134	5.137	(0.925)	541088	21.4499	21.44
	38 Trichloroethene	130	5.786	5.790	(1.043)	170652	23.3403	23.34
	39 Bromodichloromethane	83	6.277	6.281	(1.131)	161315	20.5006	20.50
	42 1,2-Dichloropropane	63	6.007	6.011	(1.082)	138903	20.6232	20.62
	44 Dibromomethane	93	6.120	6.120	(1.103)	87263	20.2773	20.27
	45 4-Methyl-2-Pentanone	43	6.855	6.858	(0.837)	303390	43.5205	43.52
	46 cis-1,3-Dichloropropene	75	6.690	6.693	(1.205)	185451	18.8302	18.83
*	47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	957306	50.0000	
$	48 Toluene-d8	98	6.922	6.922	(0.846)	1199788	55.3750	55.37
	50 Toluene	91	6.978	6.982	(0.853)	587585	22.6303	22.63
	51 trans-1,3-Dichloropropene	75	7.196	7.199	(1.296)	151415	18.4413	18.44
	52 2-Hexanone	43	7.593	7.593	(0.928)	197973	40.7785	40.77
	53 1,1,2-Trichloroethane	83	7.357	7.357	(0.899)	110943	20.5357	20.53
	54 1,3-Dichloropropane	76	7.499	7.499	(0.916)	229269	20.7714	20.77
	55 Dibromochloromethane	129	7.694	7.694	(0.940)	136001	21.2167	21.21
	56 Tetrachloroethene	164	7.454	7.458	(0.911)	150142	23.7341	23.73
	57 1,2-Dibromoethane	107	7.784	7.784	(0.951)	135701	20.3621	20.36
	58 1-Chlorohexane	55	8.197	8.196	(1.477)	121057	22.5202	22.52
	59 Chlorobenzene	112	8.208	8.211	(1.003)	395353	21.3349	21.33
	60 1,1,1,2-Tetrachloroethane	131	8.283	8.286	(1.012)	138531	21.7508	21.75
	61 Ethylbenzene	106	8.305	8.309	(1.015)	195533	22.6710	22.67
	62 m,p-Xylenes	106	8.406	8.410	(1.027)	467909	45.8547	45.85
	63 o-Xylene	106	8.748	8.747	(1.069)	221863	22.0087	22.00
	64 Styrene	104	8.763	8.762	(1.071)	353198	22.0780	22.07
	66 Bromoform	173	8.920	8.920	(1.090)	88645	20.4874	20.48
	67 Isopropylbenzene	105	9.063	9.062	(1.107)	574657	23.7337	23.73
	68 1,1,2,2-Tetrachloroethane	83	9.329	9.328	(0.917)	187981	20.1079	20.10
$	69 4-Bromofluorobenzene	95	9.194	9.193	(1.123)	421782	49.3973	49.39
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	496996	50.0000	
	71 1,2,3-Trichloropropane	75	9.362	9.362	(0.920)	161387	19.6232	19.62
	73 n-Propylbenzene	91	9.411	9.411	(0.925)	586425	22.4951	22.49
	74 Bromobenzene	156	9.317	9.317	(0.916)	170679	20.3537	20.35
	75 1,3,5-Trimethylbenzene	105	9.561	9.561	(0.940)	380568	21.2791	21.27
	76 2-Chlorotoluene	91	9.482	9.482	(0.932)	404972	22.0986	22.09
	77 4-Chlorotoluene	91	9.576	9.576	(0.941)	442157	21.7978	21.79
	78 tert-Butylbenzene	119	9.838	9.838	(0.967)	405375	23.0777	23.07
	79 1,2,4-Trimethylbenzene	105	9.880	9.879	(0.971)	383066	20.4706	20.47
	81 sec-Butylbenzene	105	10.022	10.022	(0.985)	509137	22.8555	22.85
	82 p-Isopropyltoluene	119	10.146	10.146	(0.997)	408255	21.8758	21.87
	83 1,3-Dichlorobenzene	146	10.116	10.116	(0.994)	298449	20.9547	20.95
	84 1,4-Dichlorobenzene	146	10.191	10.191	(1.002)	308925	20.3434	20.34
	87 n-Butylbenzene	91	10.491	10.494	(1.031)	347759	21.7669	21.76
	88 1,2-Dichlorobenzene	146	10.506	10.505	(1.033)	289121	20.2464	20.24
	89 1,2-Dibromo-3-Chloropropane	155	11.169	11.169	(1.098)	25203	18.4748	18.47

90	1,2,4-Trichlorobenzene	180	11.859	11.859 (1.166)	189390	19.2817	19.28
91	Hexachlorobutadiene	225	11.998	11.997 (1.179)	84063	21.1924	21.19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	92 Naphthalene	128	12.065	12.069	(1.186)	452106	19.8154	19.81
	93 1,2,3-Trichlorobenzene	180	12.268	12.267	(1.206)	186317	19.4034	19.40
M	94 1,2-Dichloroethylene (total)	96				269846	39.4687	39.46
M	95 Xylenes (total)	106				689772	67.8635	67.86
	135 1,4-Dioxane	88	6.169	6.172	(1.282)	37914	253.542	253.54
	141 Cyclohexane	56	4.778	4.781	(0.993)	197872	21.7974	21.79
	138 Freon TF	101	2.326	2.337	(0.484)	106253	21.0075	21.00
	140 1,3-Butadiene	54	1.396	1.404	(0.290)	123851	17.3652	17.36
	147 Methylcyclohexane	55	5.947	5.947	(1.072)	357229	24.5992	24.59
	146 Methyl Acetate	43	2.705	2.712	(0.562)	111495	17.5828	17.58
	148 Tert-Butyl alcohol	59	2.963	2.967	(0.616)	270623	385.892	385.89
	149 Isopropyl Alcohol	45	2.559	2.562	(0.532)	176895	359.307	359.30
	72 trans-1,4-Dichloro-2-butene	53	9.377	9.377	(1.146)	20634	18.7198	18.71
	12 Isobutyl Alcohol	43	5.288	5.287	(1.099)	454312	464.303	464.30
	13 Acetonitrile	39	2.663	2.671	(0.554)	180254	221.076	221.07
	14 Allyl Chloride	41	2.663	2.671	(0.554)	404768	20.7019	20.70
	25 Methacrylonitrile	41	4.489	4.496	(0.933)	91190	20.4947	20.49
	40 Methyl Methacrylate	41	6.157	6.157	(1.280)	136400	21.0647	21.06
	4 Propionitrile	54	4.335	4.339	(0.901)	213121	195.839	195.83(a)
	194 Acetaldehyde	44	1.449	1.460	(0.301)	54514	52.4845	52.48(M)
	134 Cyclohexanone	55	9.156	9.156	(0.900)	91808	297.963	297.96(a)
	182 Epichlorohydrin	57	6.630	6.633	(1.195)	2508	34.6280	34.62(M)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

01225200

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Client ID: HS23060596-08MS

Instrument: VOA9.i

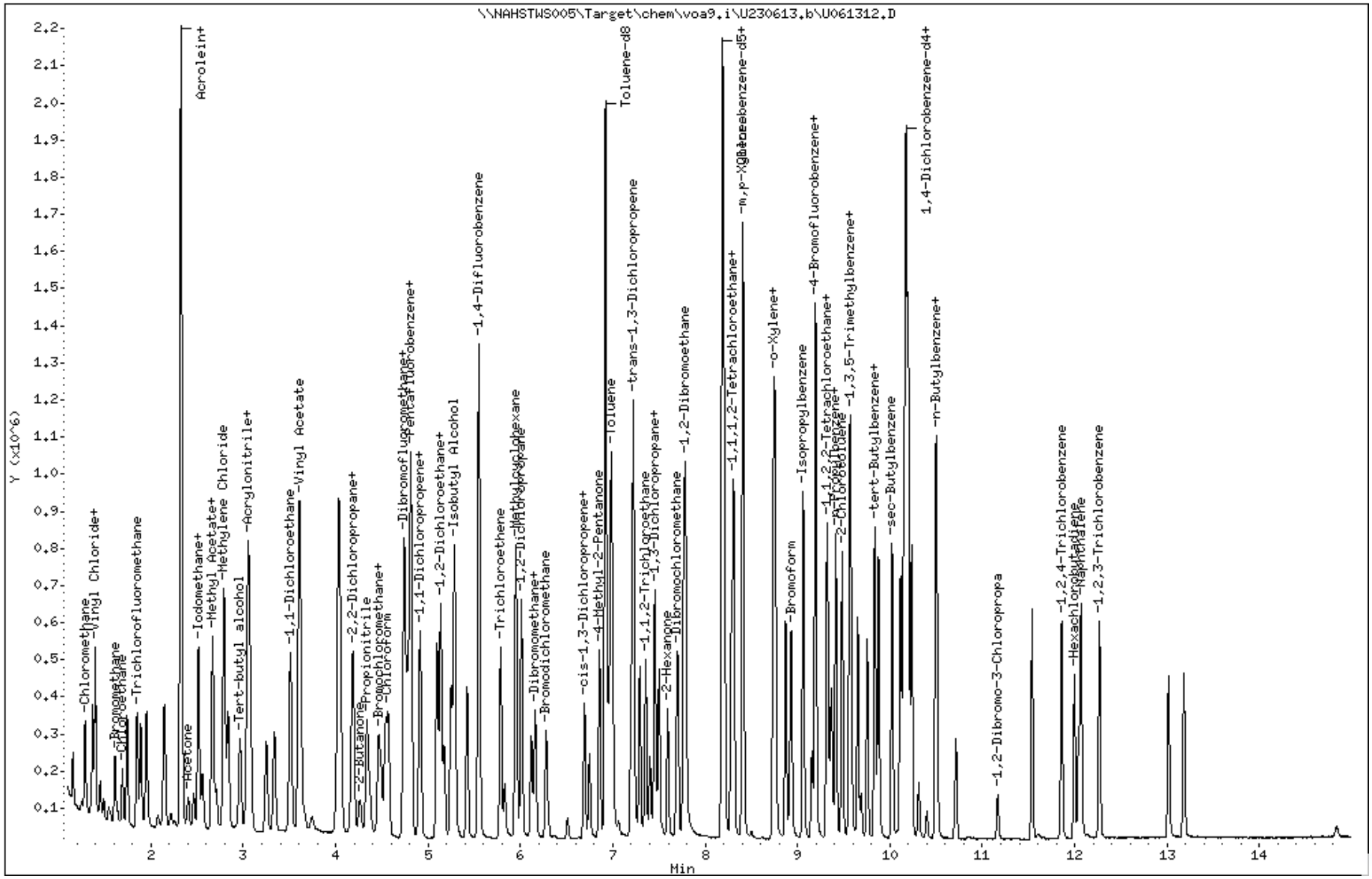
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Operator: PC

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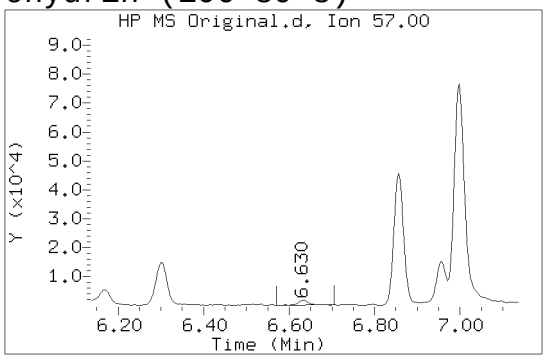
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Epichlorohydrin (106-89-8)

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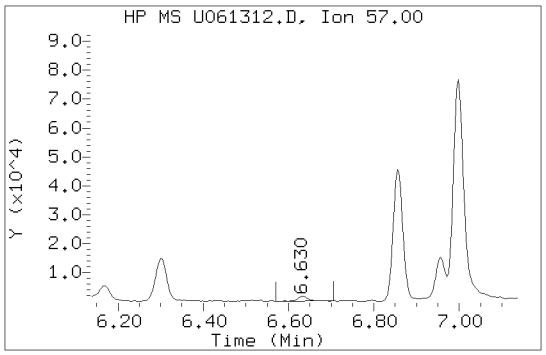
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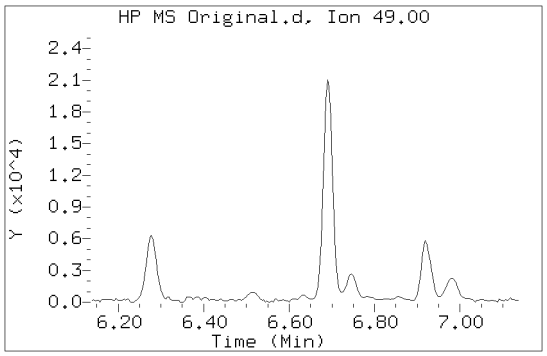
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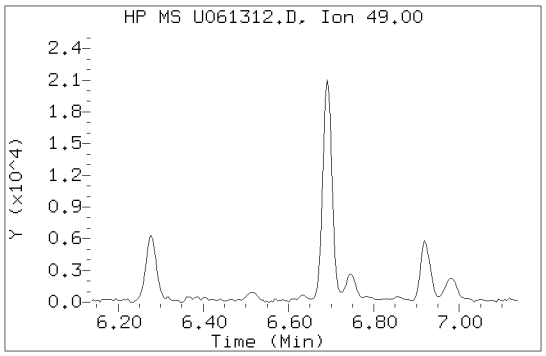
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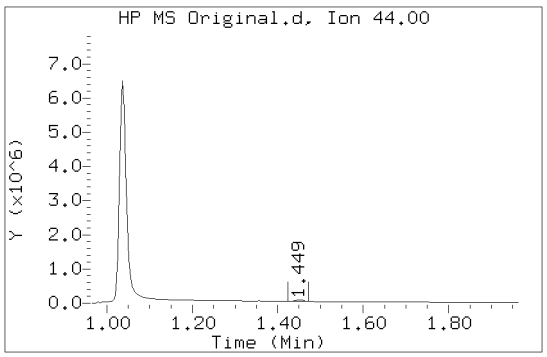


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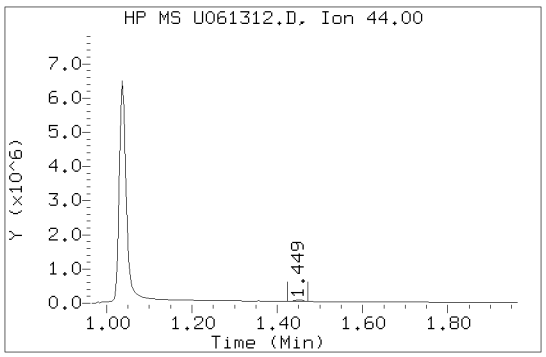
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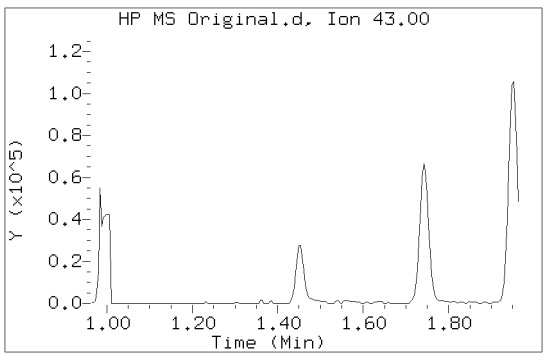
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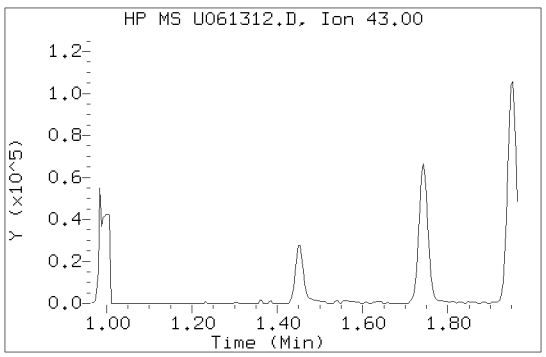
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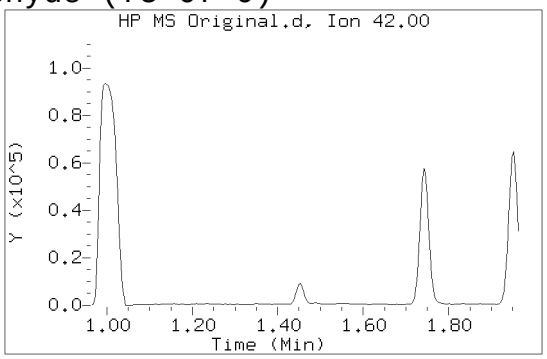
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LabSampID : HS23060596-08MS

Acetaldehyde (75-07-0)

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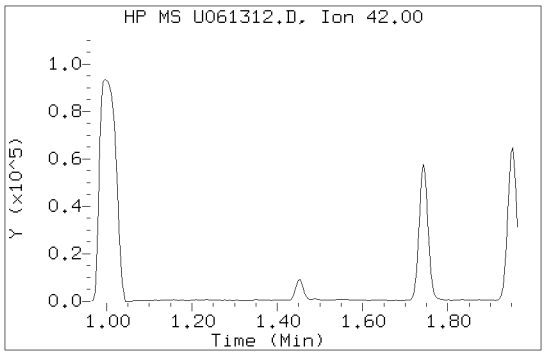
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Report Date: 15-Jun-2023 11:47

ALS Laboratory Group

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Operator : PC Inst ID: VOA9.i
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Cal Date : 06-JUN-2023 13:50 Cal File: U060608.D
Als bottle: 12 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.815	4.815	(1.000)	688443	50.0000	
2 Dichlorodifluoromethane	85	1.160	1.164	(0.241)	77682	12.2730	12.27
3 Chloromethane	50	1.291	1.295	(0.268)	194196	17.8584	17.85
5 Vinyl Chloride	62	1.374	1.377	(0.285)	194542	26.7155	26.71
6 Bromomethane	94	1.614	1.617	(0.335)	86034	21.9829	21.98
7 Chloroethane	64	1.696	1.700	(0.352)	89680	18.2821	18.28
8 Trichlorofluoromethane	101	1.891	1.895	(0.393)	189490	22.6569	22.65
9 Acrolein	56	2.262	2.266	(0.470)	12853	35.1738	35.17
10 Acetone	43	2.405	2.408	(0.499)	87091	33.2294	33.22
11 1,1-Dichloroethene	96	2.330	2.333	(0.484)	642142	122.882	122.88
15 Iodomethane	142	2.465	2.468	(0.512)	105440	33.8329	33.83
16 Acrylonitrile	53	3.061	3.064	(0.636)	118354	46.3574	46.35
17 Methylene Chloride	84	2.791	2.794	(0.580)	130943	20.2576	20.25
18 Methyl tert-butyl ether	73	3.076	3.079	(0.639)	378031	23.5903	23.59
19 Carbon Disulfide	76	2.517	2.521	(0.523)	573010	41.0170	41.01
20 trans-1,2-Dichloroethene	96	3.057	3.061	(0.635)	120708	21.2400	21.23
21 Vinyl Acetate	43	3.604	3.608	(0.749)	714900	41.2671	41.26
22 1,1-Dichloroethane	63	3.511	3.514	(0.729)	487589	45.1464	45.14
24 2-Butanone	43	4.264	4.268	(0.886)	119205	37.9774	37.97
26 2,2-Dichloropropane	77	4.178	4.181	(0.868)	149412	21.1559	21.15

27 cis-1,2-Dichloroethene	96	4.193	4.196 (0.871)	151429	22.2727	22.27
28 Chloroform	83	4.572	4.571 (0.949)	215523	19.1734	19.17

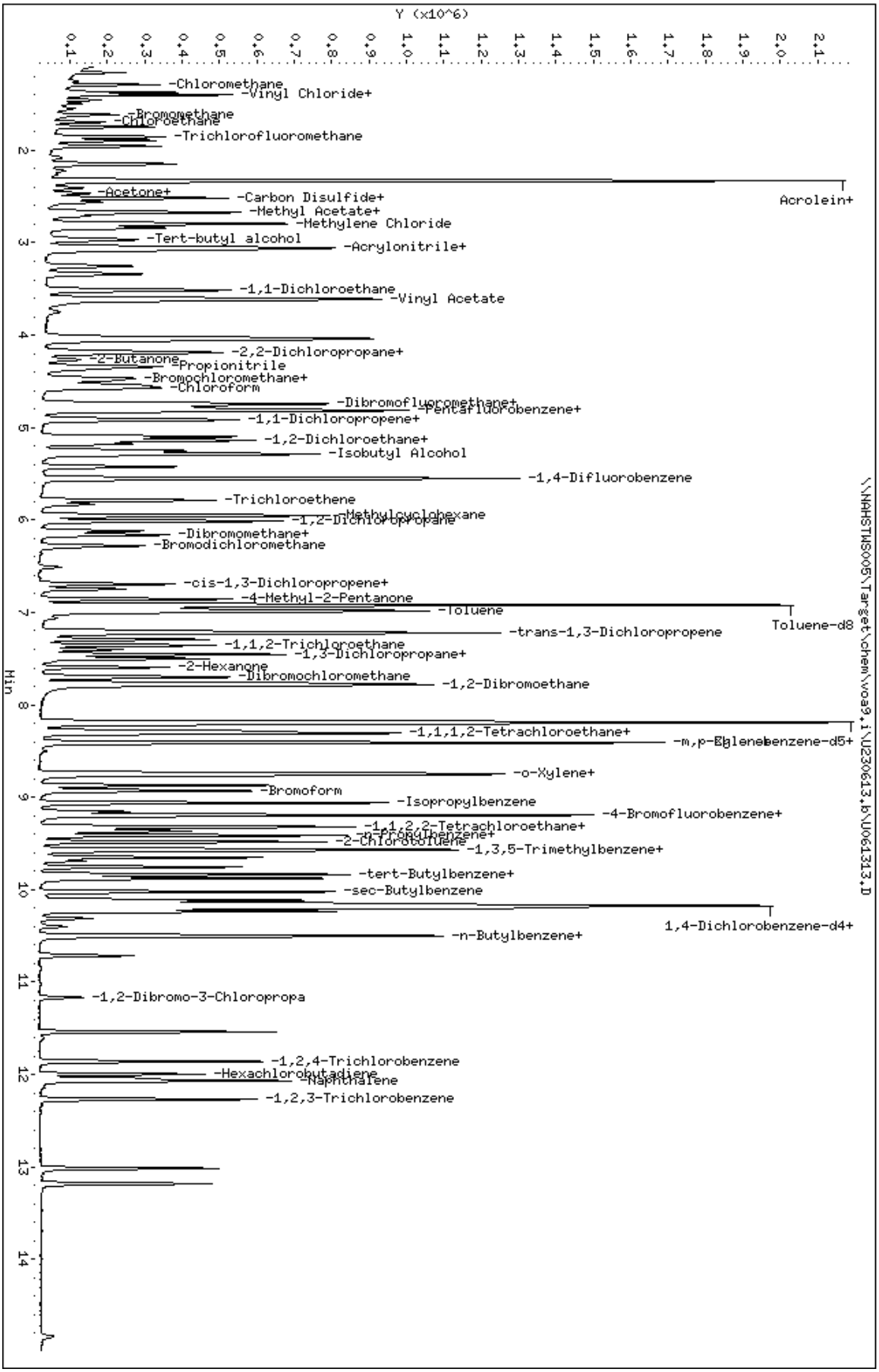
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	29 Bromochloromethane	128	4.467	4.470	(0.928)	68396	17.9844	17.98
$	30 Dibromofluoromethane	113	4.748	4.747	(0.986)	291050	50.3698	50.36
	31 1,1,1-Trichloroethane	97	4.740	4.744	(0.984)	178648	20.8522	20.85
	32 1,1-Dichloropropene	75	4.920	4.920	(0.886)	155931	21.5653	21.56
	33 1,2-Dichloroethane	62	5.175	5.179	(0.932)	184019	21.5495	21.54
	34 Carbon Tetrachloride	117	4.909	4.909	(0.884)	153708	23.1425	23.14
$	35 1,2-Dichloroethane-d4	65	5.096	5.100	(1.058)	342854	54.8988	54.89
*	36 1,4-Difluorobenzene	114	5.554	5.553	(1.000)	986613	50.0000	
	37 Benzene	78	5.138	5.137	(0.925)	475712	20.0098	20.00
	38 Trichloroethene	130	5.786	5.790	(1.042)	157091	22.7975	22.79
	39 Bromodichloromethane	83	6.277	6.281	(1.130)	157885	21.2899	21.28
	42 1,2-Dichloropropane	63	6.011	6.011	(1.082)	138467	21.8138	21.81
	44 Dibromomethane	93	6.120	6.120	(1.102)	85939	21.1891	21.18
	45 4-Methyl-2-Pentanone	43	6.854	6.858	(0.837)	314094	44.1221	44.12
	46 cis-1,3-Dichloropropene	75	6.693	6.693	(1.205)	185968	19.9133	19.91
*	47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	977568	50.0000	
$	48 Toluene-d8	98	6.922	6.922	(0.846)	1225472	55.3881	55.38
	50 Toluene	91	6.982	6.982	(0.853)	577175	21.7686	21.76
	51 trans-1,3-Dichloropropene	75	7.196	7.199	(1.296)	148716	19.1334	19.13
	52 2-Hexanone	43	7.593	7.593	(0.928)	204235	41.1964	41.19
	53 1,1,2-Trichloroethane	83	7.357	7.357	(0.899)	109658	19.8771	19.87
	54 1,3-Dichloropropane	76	7.499	7.499	(0.916)	228953	20.3128	20.31
	55 Dibromochloromethane	129	7.694	7.694	(0.940)	136045	20.7837	20.78
	56 Tetrachloroethene	164	7.458	7.458	(0.911)	145530	22.5282	22.52
	57 1,2-Dibromoethane	107	7.784	7.784	(0.951)	136180	20.0105	20.01
	58 1-Chlorohexane	55	8.196	8.196	(1.476)	119523	23.5925	23.59
	59 Chlorobenzene	112	8.208	8.211	(1.003)	389145	20.5647	20.56
	60 1,1,1,2-Tetrachloroethane	131	8.283	8.286	(1.012)	135307	20.8042	20.80
	61 Ethylbenzene	106	8.305	8.309	(1.015)	192047	21.8053	21.80
	62 m,p-Xylenes	106	8.406	8.410	(1.027)	470639	45.1663	45.16
	63 o-Xylene	106	8.748	8.747	(1.069)	222184	21.5838	21.58
	64 Styrene	104	8.763	8.762	(1.071)	363622	22.2585	22.25
	66 Bromoform	173	8.920	8.920	(1.090)	88674	20.0693	20.06
	67 Isopropylbenzene	105	9.062	9.062	(1.107)	571679	23.1214	23.12
	68 1,1,2,2-Tetrachloroethane	83	9.329	9.328	(0.917)	184572	19.3472	19.34
$	69 4-Bromofluorobenzene	95	9.194	9.193	(1.123)	435627	49.9716	49.97
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	507170	50.0000	
	71 1,2,3-Trichloropropane	75	9.362	9.362	(0.920)	159759	19.0355	19.03
	73 n-Propylbenzene	91	9.411	9.411	(0.925)	586606	22.0507	22.05
	74 Bromobenzene	156	9.317	9.317	(0.916)	169880	19.8520	19.85
	75 1,3,5-Trimethylbenzene	105	9.561	9.561	(0.940)	386089	21.1548	21.15
	76 2-Chlorotoluene	91	9.482	9.482	(0.932)	403774	21.5913	21.59
	77 4-Chlorotoluene	91	9.576	9.576	(0.941)	436184	21.0719	21.07
	78 tert-Butylbenzene	119	9.838	9.838	(0.967)	402407	22.4492	22.44
	79 1,2,4-Trimethylbenzene	105	9.880	9.879	(0.971)	390376	20.4427	20.44
	81 sec-Butylbenzene	105	10.022	10.022	(0.985)	512419	22.5414	22.54
	82 p-Isopropyltoluene	119	10.146	10.146	(0.997)	412979	21.6850	21.68
	83 1,3-Dichlorobenzene	146	10.116	10.116	(0.994)	296869	20.4257	20.42
	84 1,4-Dichlorobenzene	146	10.191	10.191	(1.002)	306309	19.7665	19.76
	87 n-Butylbenzene	91	10.491	10.494	(1.031)	351433	21.5556	21.55
	88 1,2-Dichlorobenzene	146	10.506	10.505	(1.033)	291401	19.9967	19.99
	89 1,2-Dibromo-3-Chloropropane	155	11.169	11.169	(1.098)	26628	19.1278	19.12

90 1,2,4-Trichlorobenzene	180	11.859	11.859 (1.166)	193218	19.2768	19.27
91 Hexachlorobutadiene	225	11.998	11.997 (1.179)	83659	20.6674	20.66

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	92 Naphthalene	128	12.065	12.069	(1.186)	488910	20.9986	20.99
	93 1,2,3-Trichlorobenzene	180	12.271	12.267	(1.206)	189854	19.3751	19.37
M	94 1,2-Dichloroethylene (total)	96				272137	43.5127	43.51
M	95 Xylenes (total)	106				692823	66.7500	66.75
	135 1,4-Dioxane	88	6.172	6.172	(1.282)	35752	261.538	261.53
	141 Cyclohexane	56	4.781	4.781	(0.993)	173953	20.9782	20.97
	138 Freon TF	101	2.330	2.337	(0.484)	103796	22.4490	22.44
	140 1,3-Butadiene	54	1.400	1.404	(0.291)	125730	19.2843	19.28
	147 Methylcyclohexane	55	5.947	5.947	(1.071)	357252	26.1030	26.10
	146 Methyl Acetate	43	2.708	2.712	(0.563)	115463	19.9186	19.91
	148 Tert-Butyl alcohol	59	2.967	2.967	(0.616)	285278	445.752	445.75
	149 Isopropyl Alcohol	45	2.562	2.562	(0.532)	175727	390.456	390.45
	72 trans-1,4-Dichloro-2-butene	53	9.377	9.377	(1.146)	17988	15.9810	15.98
	12 Isobutyl Alcohol	43	5.288	5.287	(1.098)	435283	486.634	486.63
	13 Acetonitrile	39	2.667	2.671	(0.554)	181552	243.580	243.57
	14 Allyl Chloride	41	2.671	2.671	(0.555)	398992	22.3229	22.32
	25 Methacrylonitrile	41	4.493	4.496	(0.933)	87847	21.5975	21.59
	40 Methyl Methacrylate	41	6.157	6.157	(1.279)	142521	24.0771	24.07
	4 Propionitrile	54	4.339	4.339	(0.901)	213171	214.281	214.28(a)
	194 Acetaldehyde	44	1.456	1.460	(0.303)	59404	62.5637	62.56(M)
	134 Cyclohexanone	55	9.152	9.156	(0.900)	96768	307.761	307.76(a)
	182 Epichlorohydrin	57	6.637	6.633	(1.195)	3495	46.4630	46.46

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.



Data File: \\NAHSTWS005\Target\chem\voa9,i\U230613,b\U061313,D
Date : 13-JUN-2023 16:12
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Sample Info: HS230605%96-08HSD;HS230605%96-08HSD;3;;HSD
Purge Volume: 5.0
Column phase: DB624

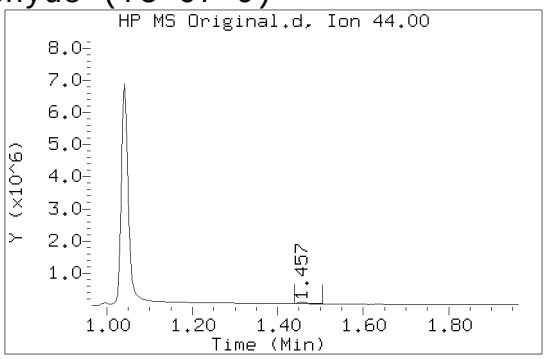
Instrument: VOA9,i
Operator: PC
Column diameter: 0.18

Data File : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061313.D
Inj Date : 13-JUN-2023 16:12
InstruID : VOA9.i
LabSampID : HS23060596-08MSD

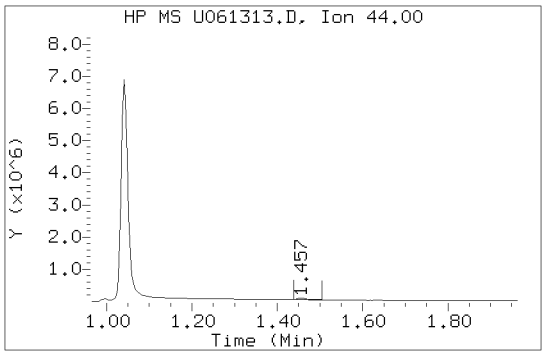
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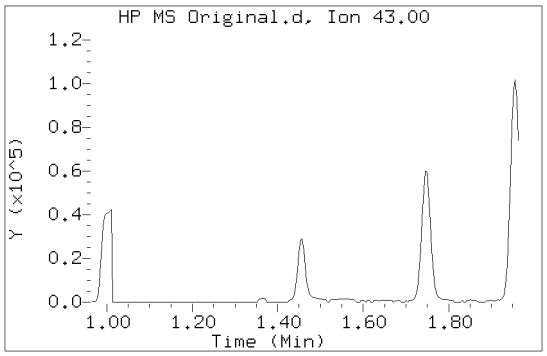
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MASS
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AREA
59404
HEIGHT
50206
15-Jun-2023
11:46
linh
pham



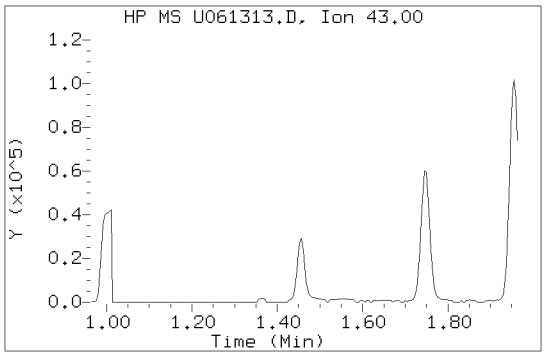
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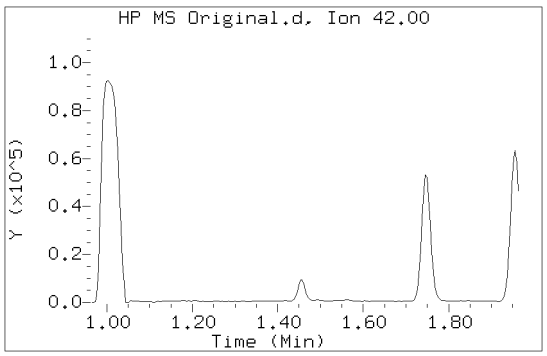
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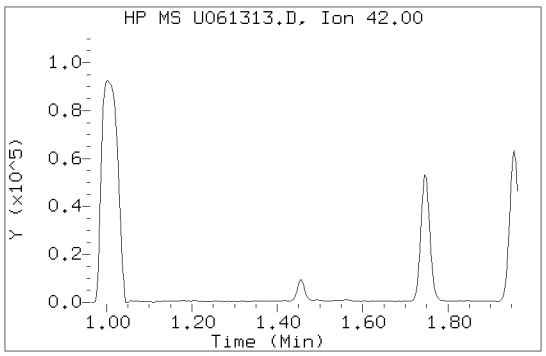
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AFTER
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Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061316.D Page 1
Report Date: 15-Jun-2023 11:47

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061316.D
Lab Smp Id: HS23060596-01 Client Smp ID: HS23060596-01
Inj Date : 13-JUN-2023 17:19
Operator : PC Inst ID: VOA9.i
Smp Info : HS23060596-01;HS23060596-01;;;
Misc Info : V9;WATER;0;5;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\8260C.m
Meth Date : 15-Jun-2023 11:47 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 13:50 Cal File: U060608.D
Als bottle: 15
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
*	1 Pentafluorobenzene	168	4.815	4.815	(1.000)	717348	50.0000	
	5 Vinyl Chloride	62	1.374	1.377	(0.285)	5661	0.74607	3.73(a)
	27 cis-1,2-Dichloroethene	96	4.197	4.196	(0.872)	8573	1.21014	6.05(a)
$	30 Dibromofluoromethane	113	4.748	4.747	(0.986)	294247	48.8618	48.86
$	35 1,2-Dichloroethane-d4	65	5.096	5.100	(1.058)	343514	52.7619	52.76
*	36 1,4-Difluorobenzene	114	5.554	5.553	(1.000)	998468	50.0000	
	38 Trichloroethene	130	5.786	5.790	(1.042)	14193	2.03528	10.17(a)
*	47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	908821	50.0000	
$	48 Toluene-d8	98	6.922	6.922	(0.846)	1128645	54.8705	54.87
	56 Tetrachloroethene	164	7.458	7.458	(0.911)	5814	0.96810	4.84(a)
$	69 4-Bromofluorobenzene	95	9.194	9.193	(1.123)	387508	47.7752	47.77
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	457268	50.0000	
M	94 1,2-Dichloroethylene (total)	96				8573	1.21014	6.05(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

01225211

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061316.D

Date : 13-JUN-2023 17:19

Client ID: HS23060596-01

Instrument: VOA9.i

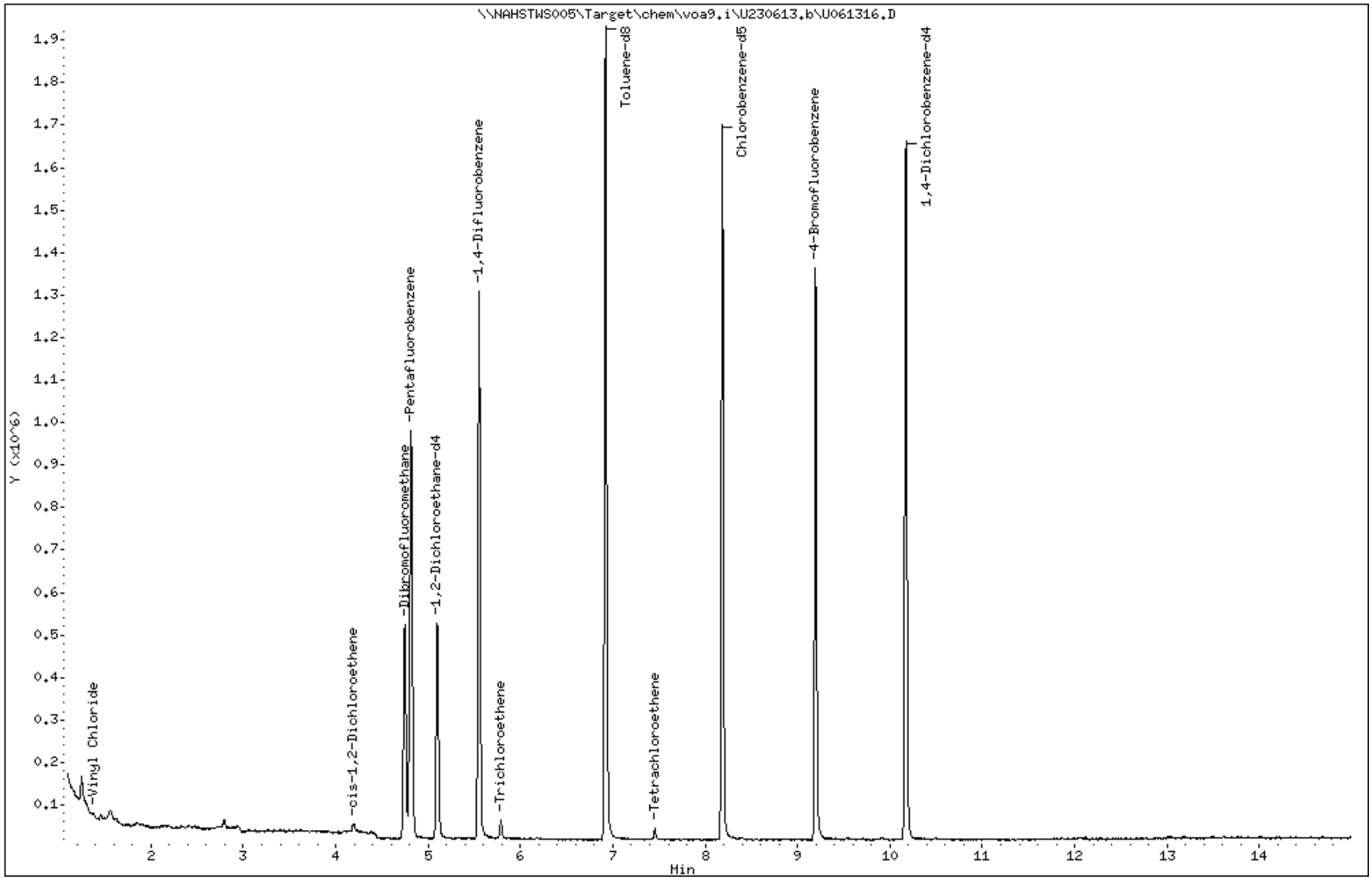
Sample Info: HS23060596-01;HS23060596-01;;;

Purge Volume: 5.0

Operator: PC

Column phase: DB624

Column diameter: 0.18



Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061316.D

Date : 13-JUN-2023 17:19

Client ID: HS23060596-01

Instrument: VOA9.i

Sample Info: HS23060596-01;HS23060596-01;;;

Purge Volume: 5.0

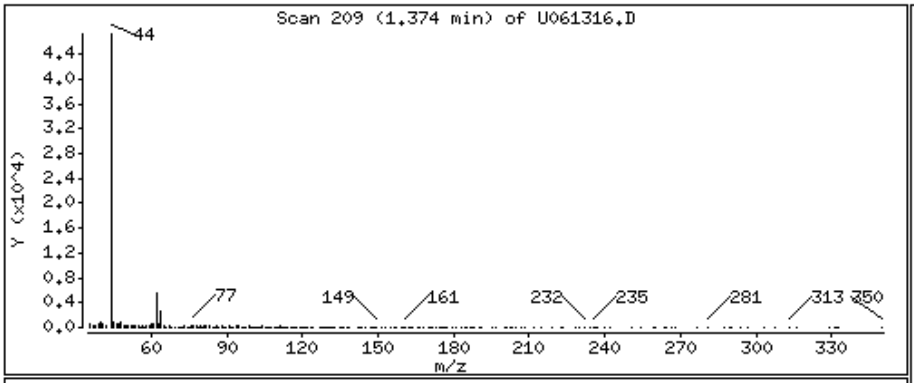
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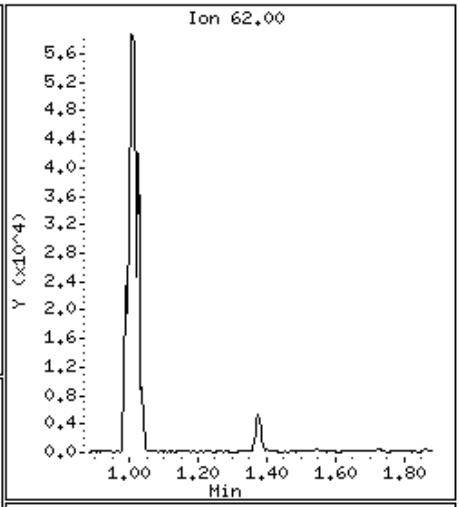
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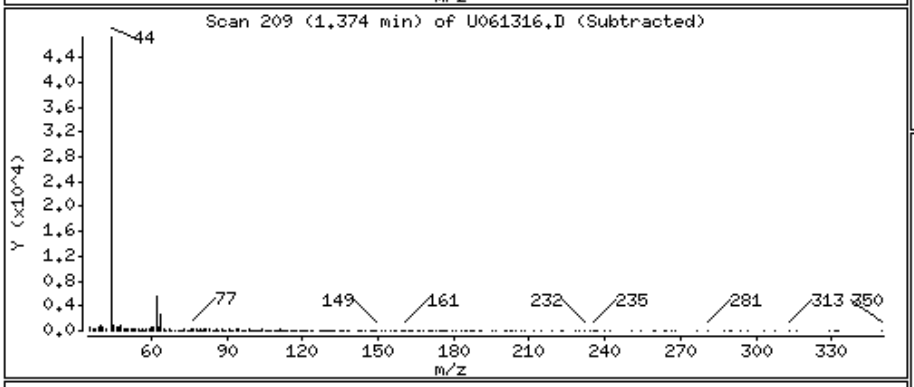
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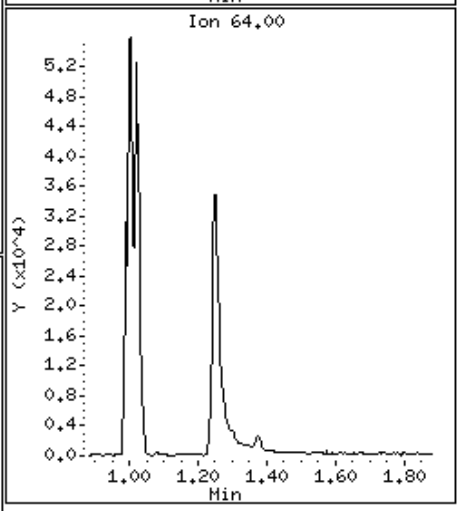
5 Vinyl Chloride

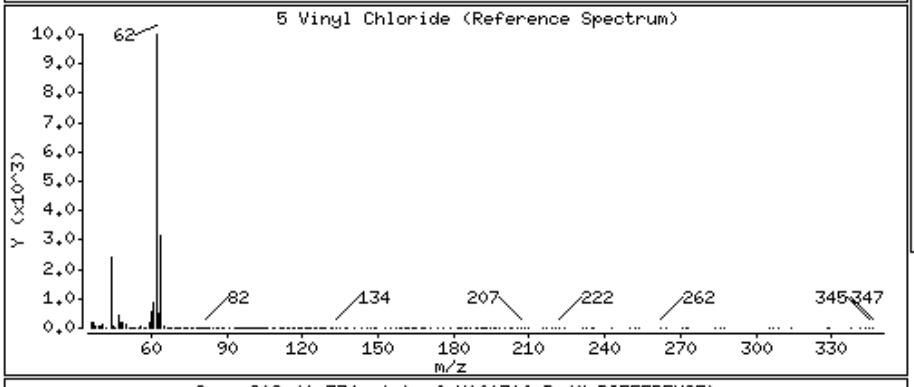
Concentration: 3.73 ug/l

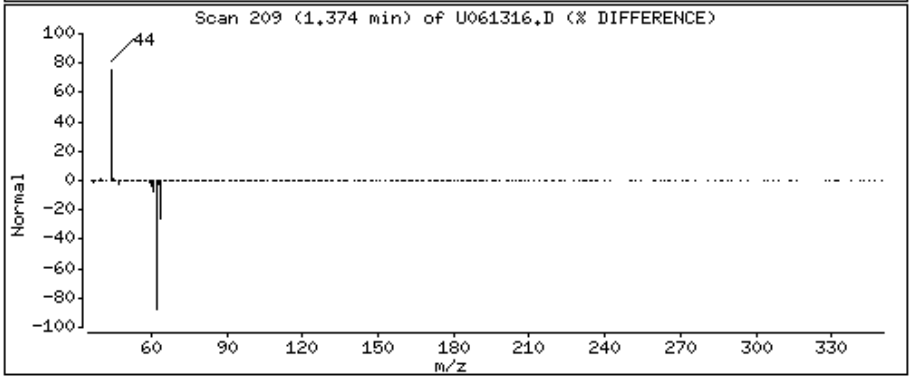












Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061316.D Page 3

Date : 13-JUN-2023 17:19

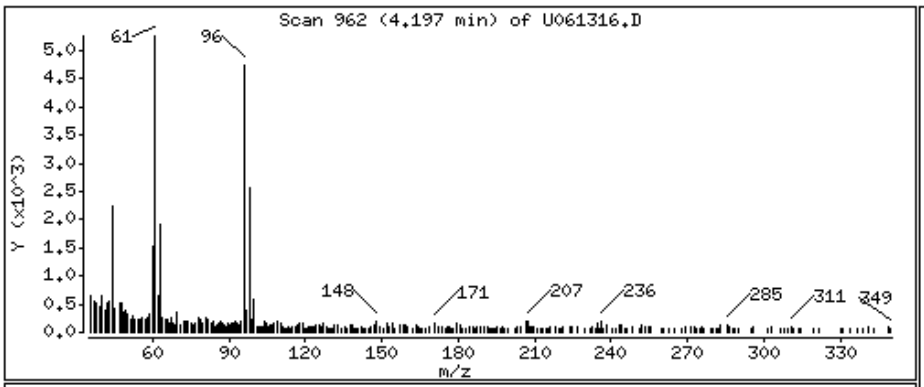
Client ID: HS23060596-01 Instrument: VOA9.i

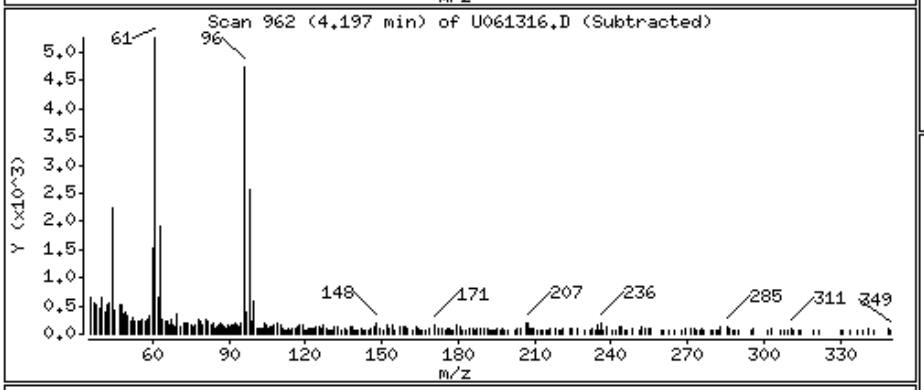
Sample Info: HS23060596-01;HS23060596-01;;;

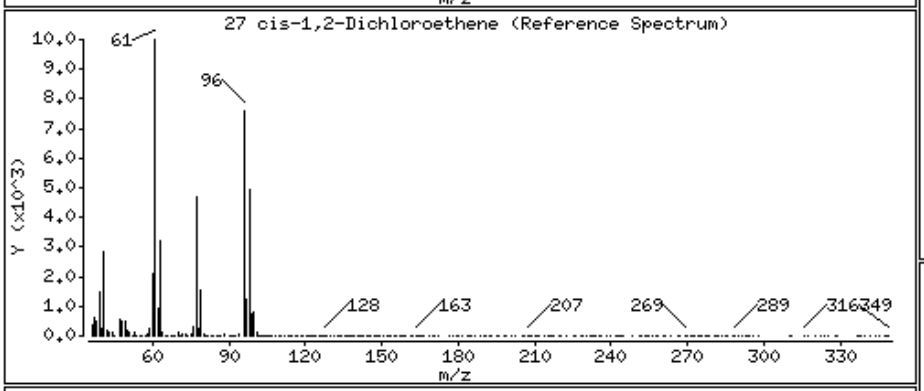
Purge Volume: 5.0 Operator: PC

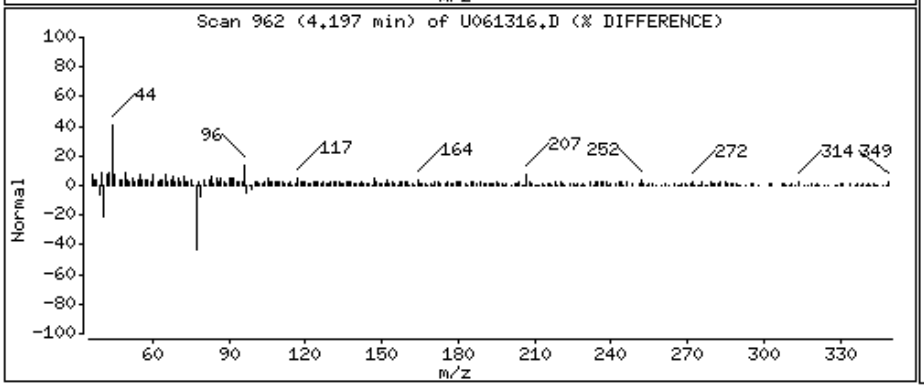
Column phase: DB624 Column diameter: 0.18

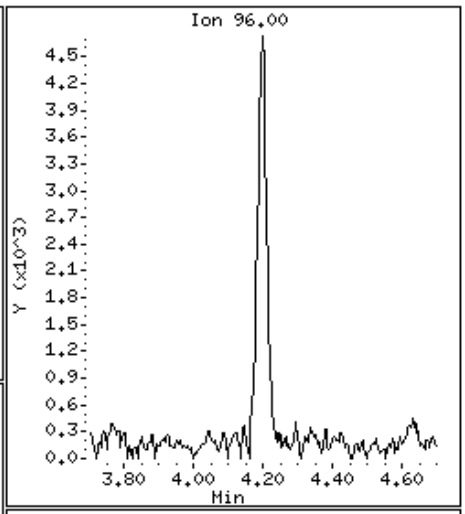
27 cis-1,2-Dichloroethene Concentration: 6.05 ug/l

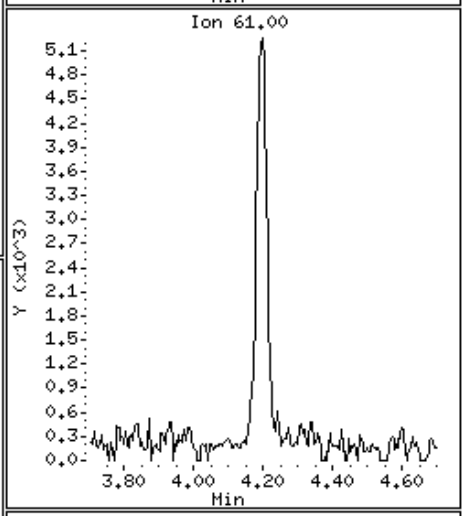


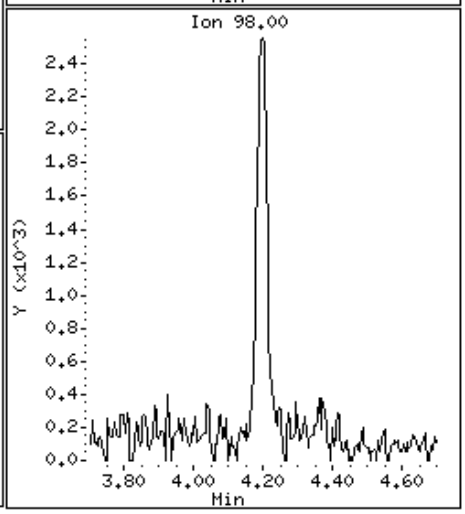












Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061316.D Page 4

Date : 13-JUN-2023 17:19

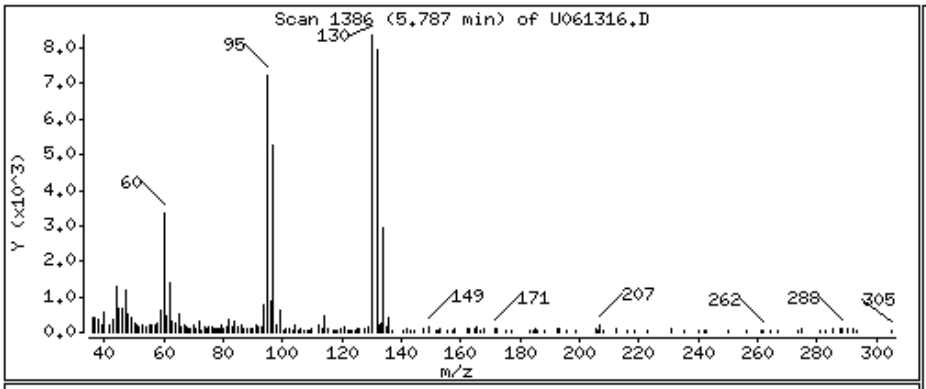
Client ID: HS23060596-01 Instrument: VOA9.i

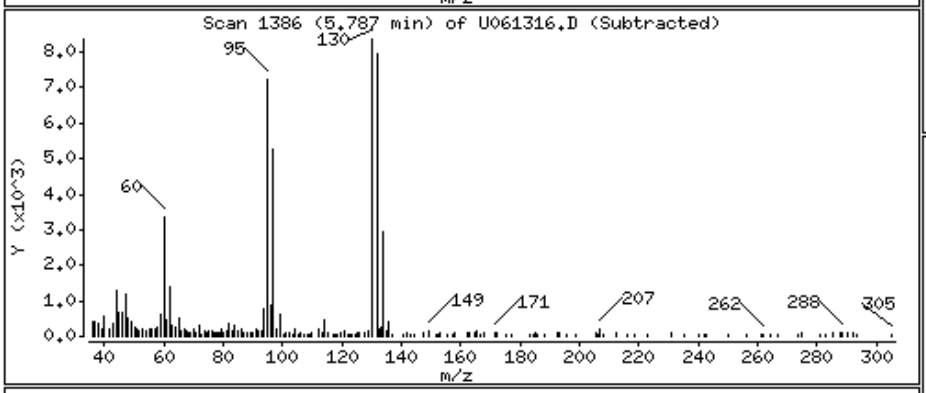
Sample Info: HS23060596-01;HS23060596-01;;;

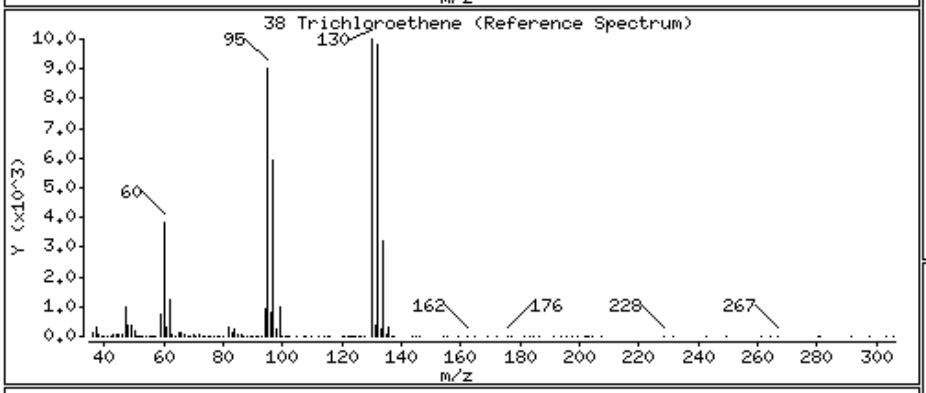
Purge Volume: 5.0 Operator: PC

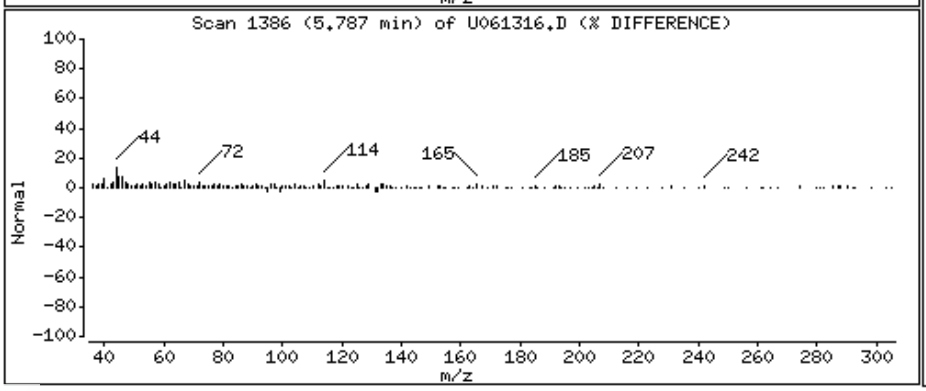
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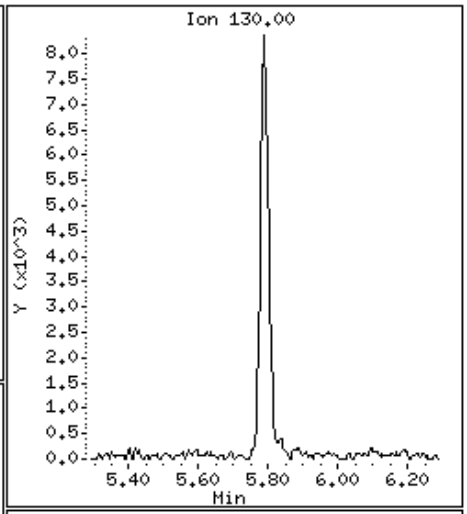
38 Trichloroethene Concentration: 10.17 ug/l

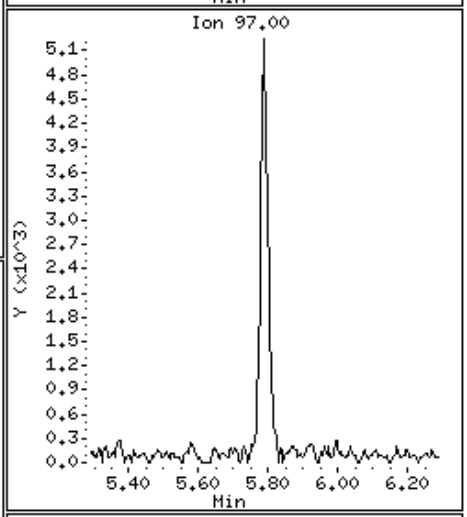


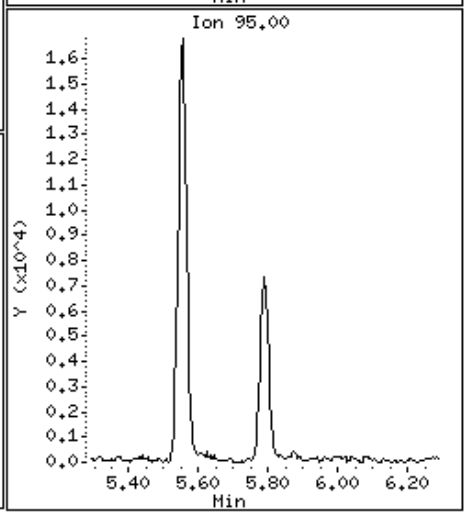












Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061316.D Page 5

Date : 13-JUN-2023 17:19

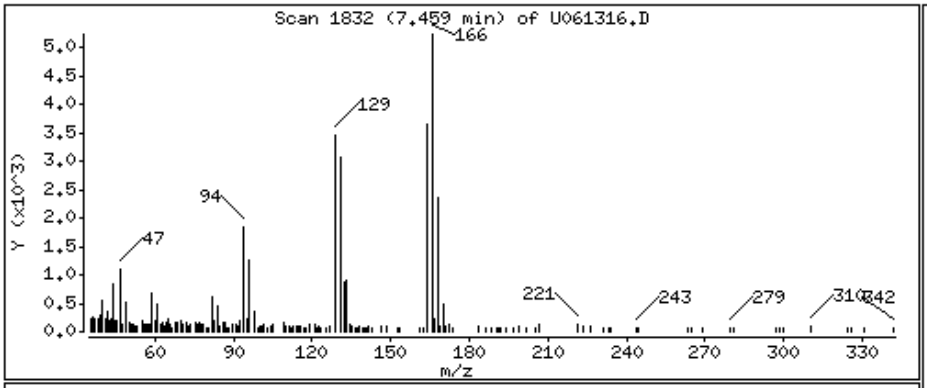
Client ID: HS23060596-01 Instrument: VOA9.i

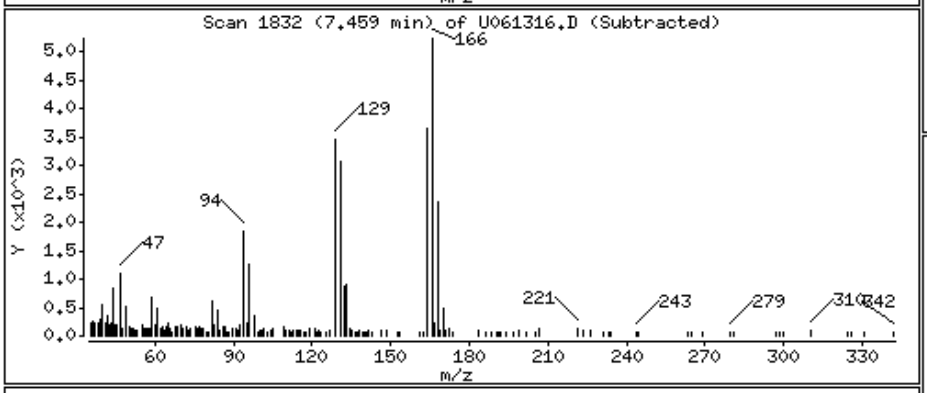
Sample Info: HS23060596-01;HS23060596-01;;;

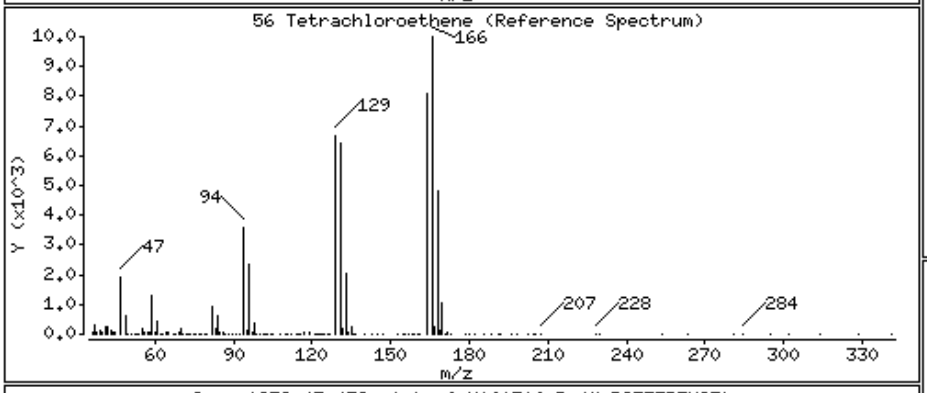
Purge Volume: 5.0 Operator: PC

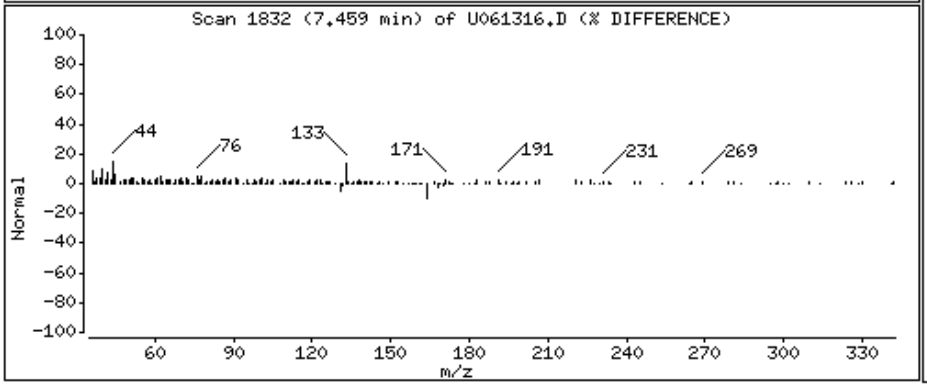
Column phase: DB624 Column diameter: 0.18

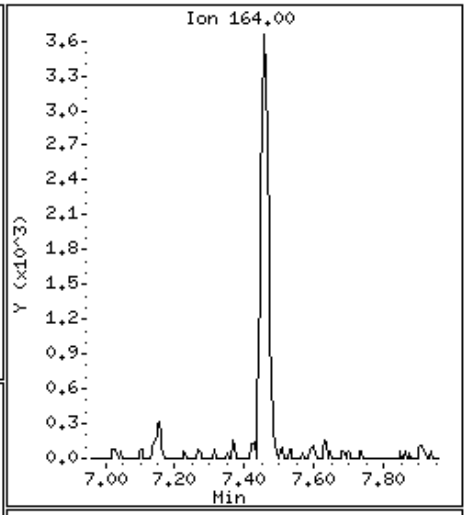
56 Tetrachloroethene Concentration: 4.84 ug/l

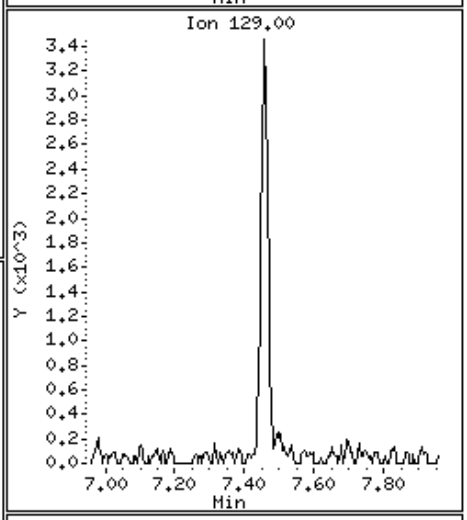


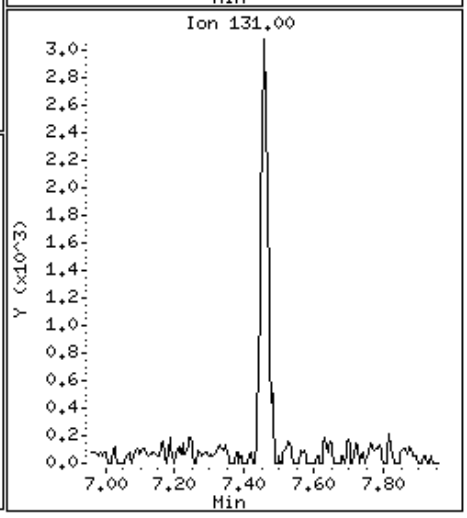












Data File : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061316.D
Inj Date : 13-JUN-2023 17:19
InstruID : VOA9.i
LabSampID : HS23060596-01

NO MANUAL INTEGRATIONS

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061317.D Page 1
Report Date: 15-Jun-2023 11:47

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061317.D
Lab Smp Id: HS23060596-02 Client Smp ID: HS23060596-02
Inj Date : 13-JUN-2023 17:41
Operator : PC Inst ID: VOA9.i
Smp Info : HS23060596-02;HS23060596-02;;;
Misc Info : V9;WATER;0;5;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\8260C.m
Meth Date : 15-Jun-2023 11:47 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 13:50 Cal File: U060608.D
Als bottle: 16
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
*	1 Pentafluorobenzene	168	4.811	4.815	(1.000)	635778	50.0000	
	5 Vinyl Chloride	62	1.370	1.377	(0.285)	3465	0.51525	2.57(a)
	27 cis-1,2-Dichloroethene	96	4.193	4.196	(0.871)	6588	1.04925	5.24(a)
$	30 Dibromofluoromethane	113	4.744	4.747	(0.986)	263839	49.4371	49.43
$	35 1,2-Dichloroethane-d4	65	5.096	5.100	(1.059)	319887	55.4713	55.47
*	36 1,4-Difluorobenzene	114	5.550	5.553	(1.000)	887788	50.0000	
	38 Trichloroethene	130	5.786	5.790	(1.043)	6500	1.04830	5.24(a)
*	47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	798184	50.0000	
$	48 Toluene-d8	98	6.922	6.922	(0.846)	1001010	55.4109	55.41
$	69 4-Bromofluorobenzene	95	9.194	9.193	(1.123)	347647	48.8213	48.82
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	398124	50.0000	
M	94 1,2-Dichloroethylene (total)	96				6588	1.04925	5.24(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

01225218

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061317.D

Date : 13-JUN-2023 17:41

Client ID: HS23060596-02

Instrument: VOA9.i

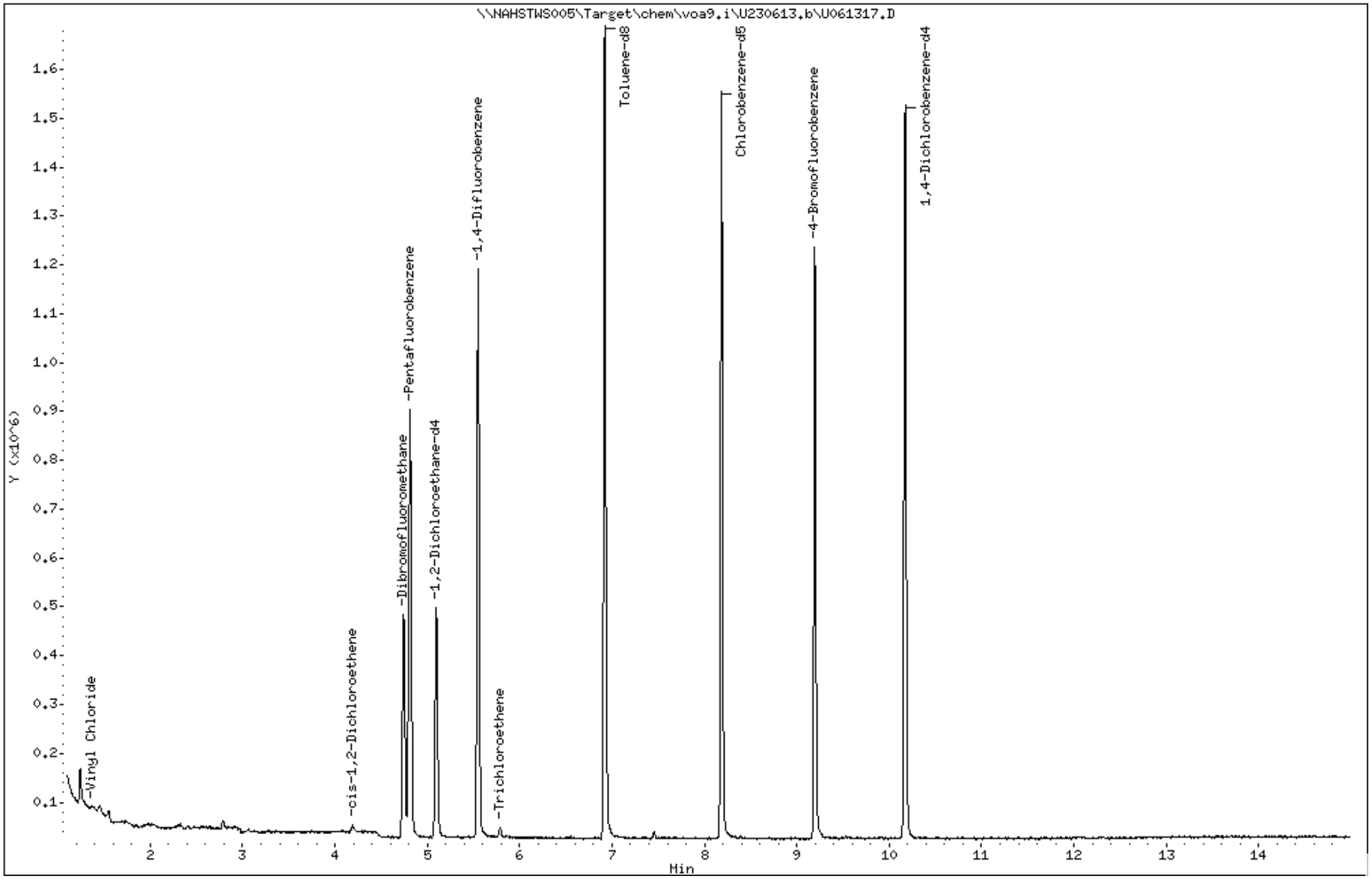
Sample Info: HS23060596-02;HS23060596-02;;;

Purge Volume: 5.0

Operator: PC

Column phase: DB624

Column diameter: 0.18



Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061317.D Page 2

Date : 13-JUN-2023 17:41

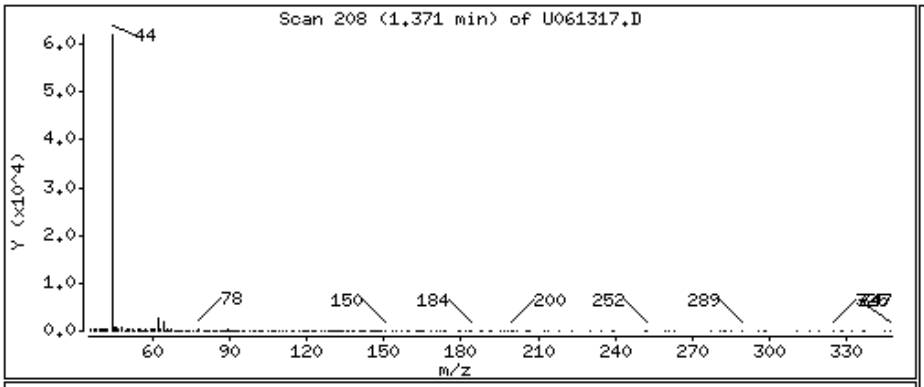
Client ID: HS23060596-02 Instrument: VOA9.i

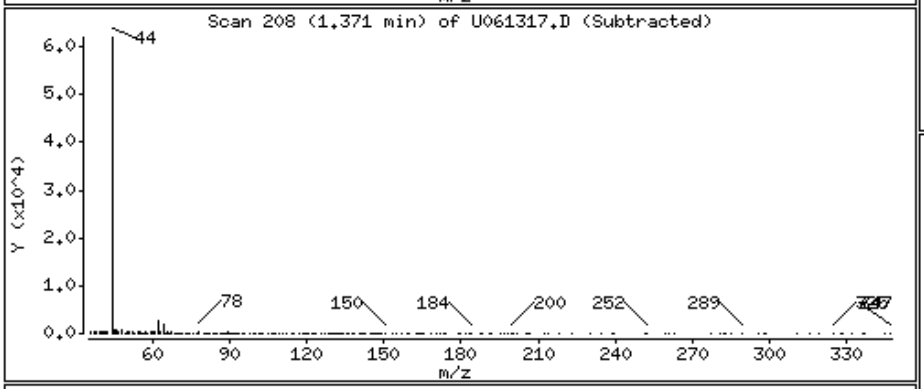
Sample Info: HS23060596-02;HS23060596-02;;;

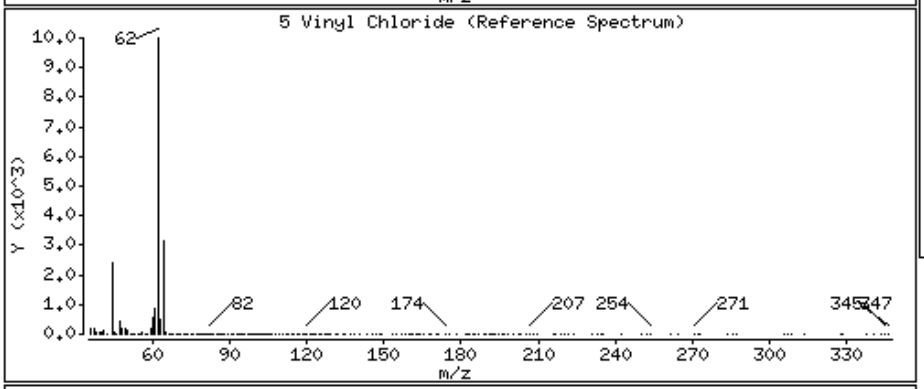
Purge Volume: 5.0 Operator: PC

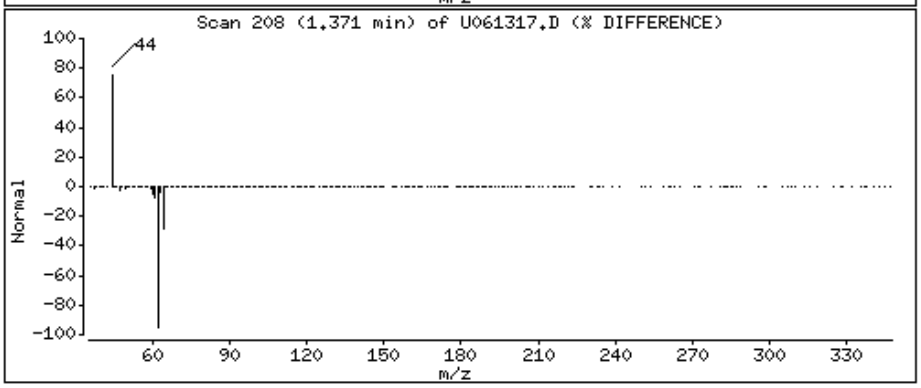
Column phase: DB624 Column diameter: 0.18

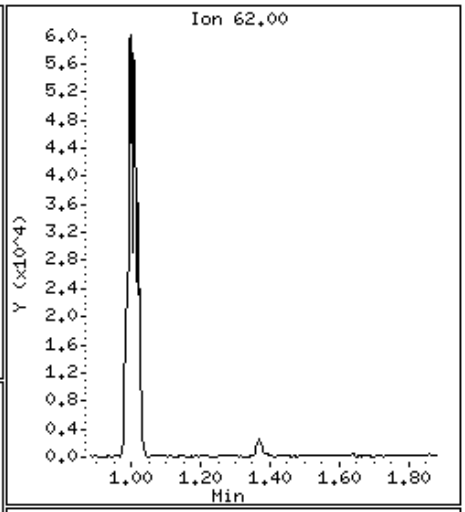
5 Vinyl Chloride Concentration: 2.57 ug/l

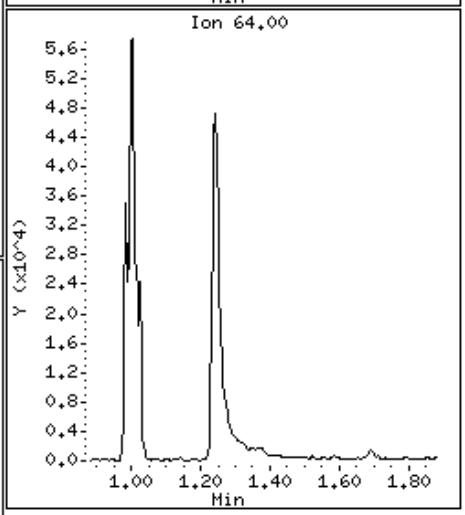












Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061317.D Page 3

Date : 13-JUN-2023 17:41

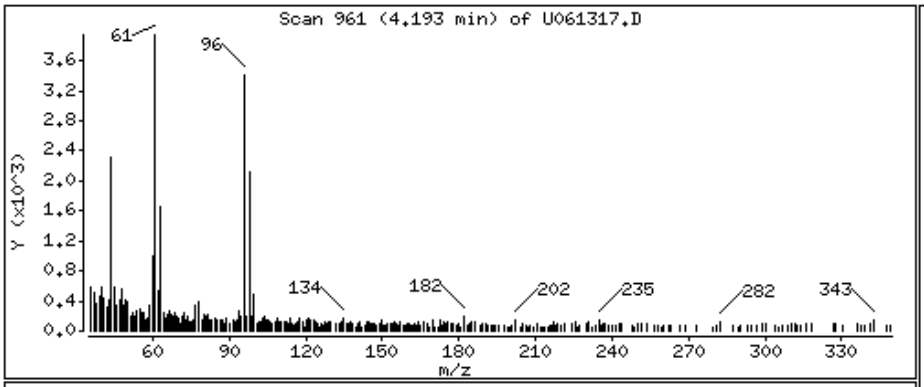
Client ID: HS23060596-02 Instrument: VOA9.i

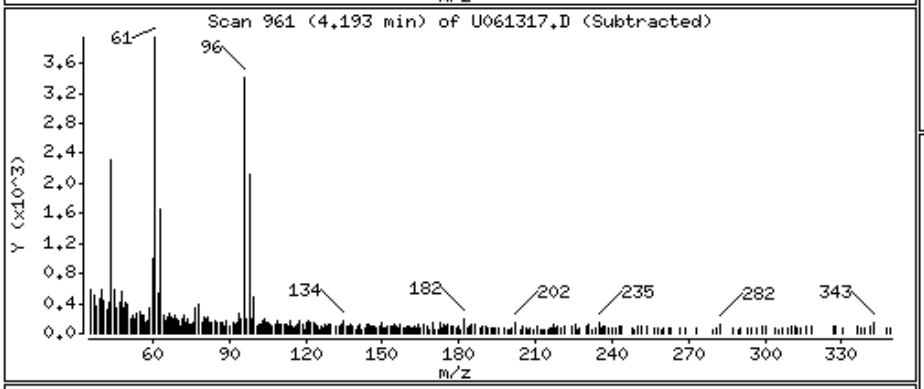
Sample Info: HS23060596-02;HS23060596-02;;;

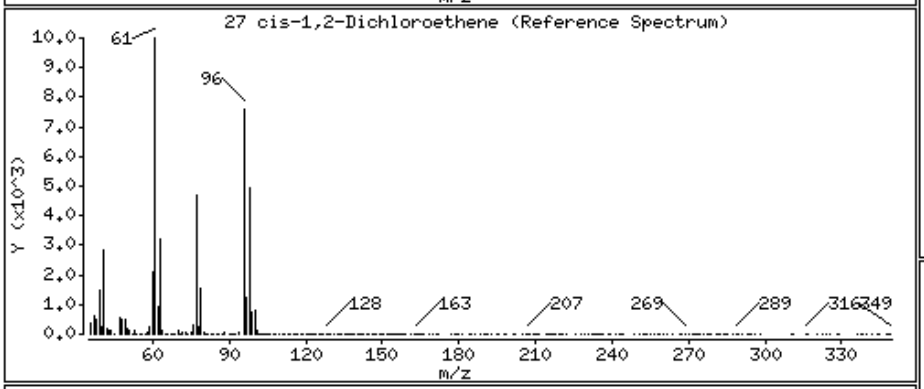
Purge Volume: 5.0 Operator: PC

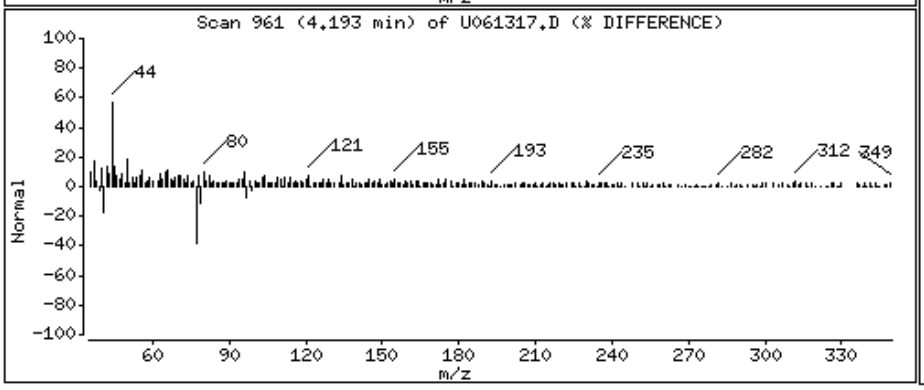
Column phase: DB624 Column diameter: 0.18

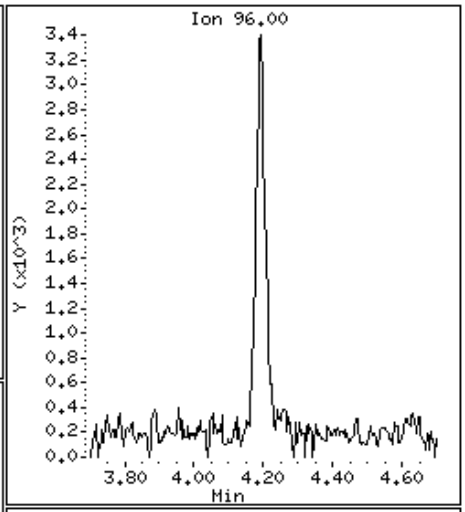
27 cis-1,2-Dichloroethene Concentration: 5.24 ug/l

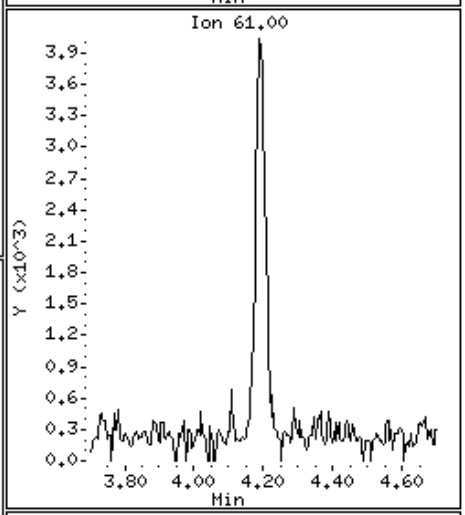


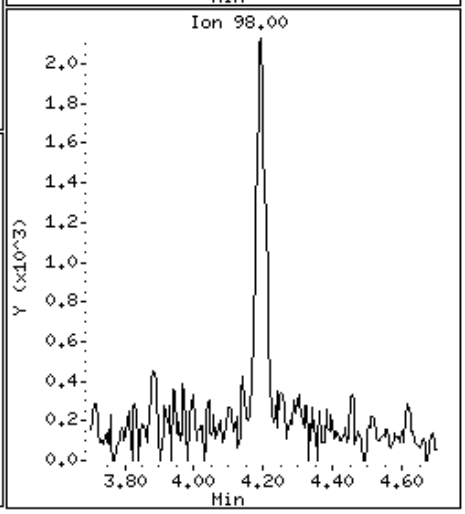












Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061317.D Page 4

Date : 13-JUN-2023 17:41

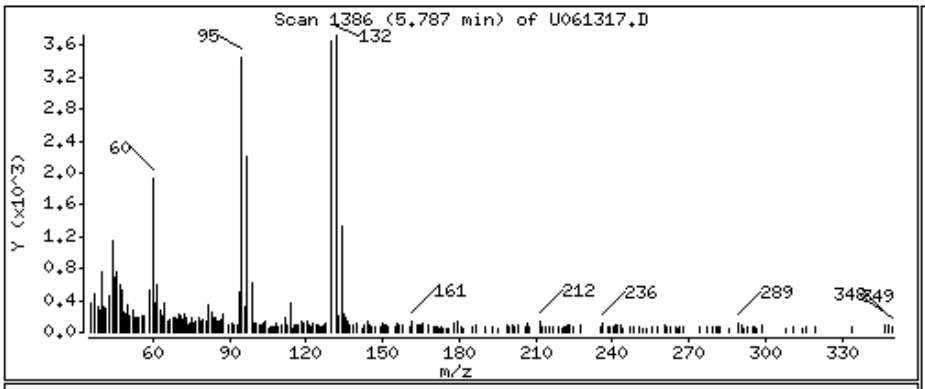
Client ID: HS23060596-02 Instrument: VOA9.i

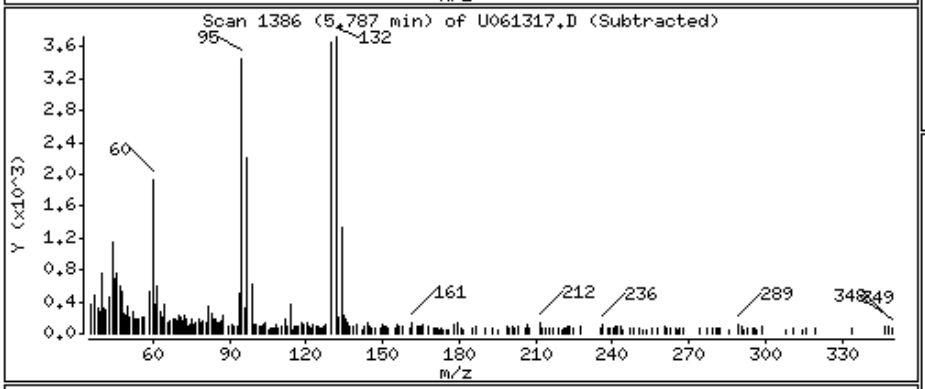
Sample Info: HS23060596-02;HS23060596-02;;;

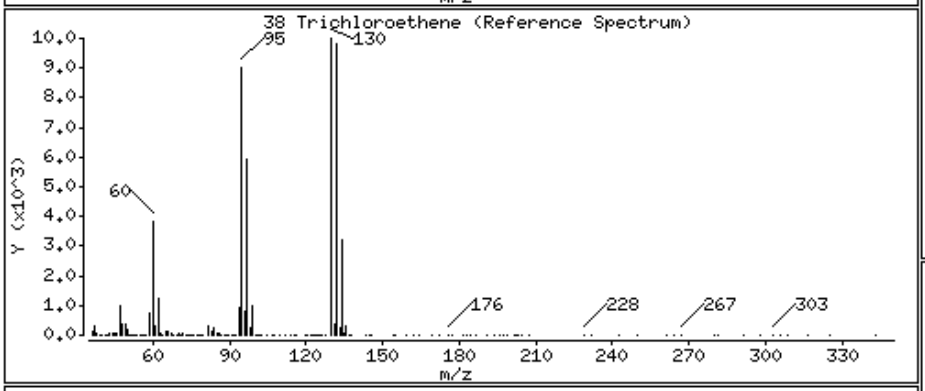
Purge Volume: 5.0 Operator: PC

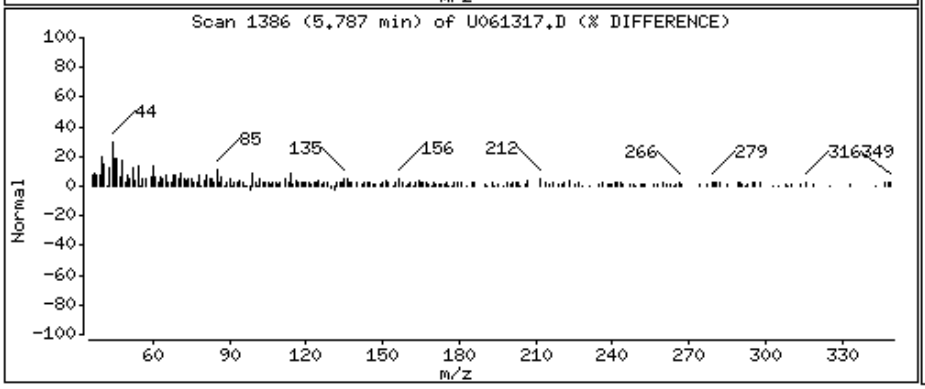
Column phase: DB624 Column diameter: 0.18

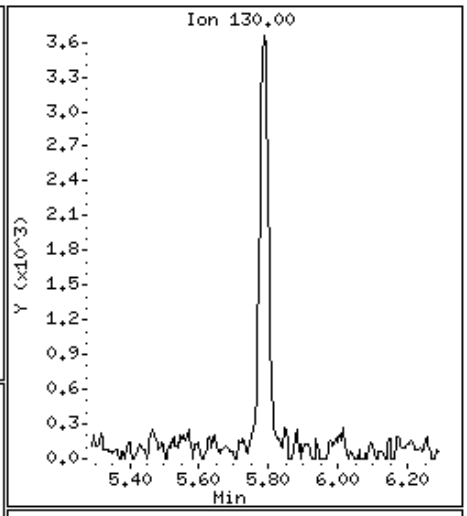
38 Trichloroethene Concentration: 5.24 ug/l

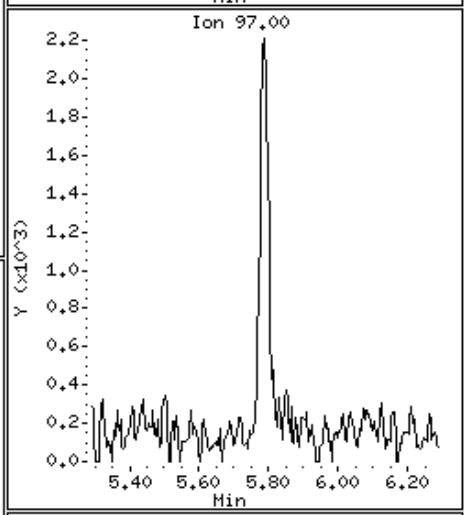


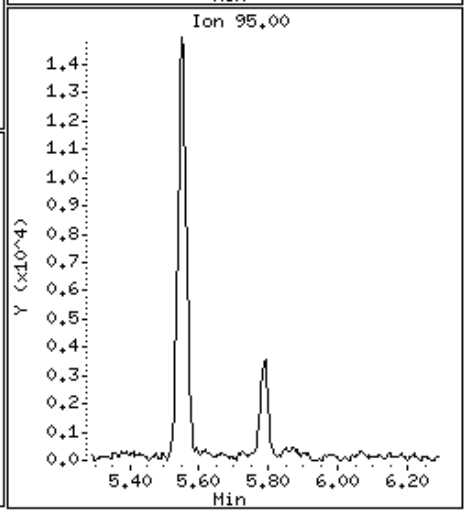












Data File : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061317.D
Inj Date : 13-JUN-2023 17:41
InstruID : VOA9.i
LabSampID : HS23060596-02

NO MANUAL INTEGRATIONS

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061318.D Page 1
Report Date: 15-Jun-2023 11:47

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061318.D
Lab Smp Id: HS23060596-03 Client Smp ID: HS23060596-03
Inj Date : 13-JUN-2023 18:04
Operator : PC Inst ID: VOA9.i
Smp Info : HS23060596-03;HS23060596-03;;;
Misc Info : V9;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\8260C.m
Meth Date : 15-Jun-2023 11:47 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 13:50 Cal File: U060608.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.815	4.815	(1.000)	641207	50.0000	
$ 30 Dibromofluoromethane	113	4.748	4.747	(0.986)	270488	50.2591	50.25
$ 35 1,2-Dichloroethane-d4	65	5.096	5.100	(1.058)	330313	56.8105	56.81
* 36 1,4-Difluorobenzene	114	5.554	5.553	(1.000)	892245	50.0000	
* 47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	818212	50.0000	
$ 48 Toluene-d8	98	6.922	6.922	(0.846)	1010950	54.5914	54.59
$ 69 4-Bromofluorobenzene	95	9.194	9.193	(1.123)	354884	48.6139	48.61
* 70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	399576	50.0000	

01225224

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061318.D

Page 1

Date : 13-JUN-2023 18:04

Client ID: HS23060596-03

Instrument: VOA9.i

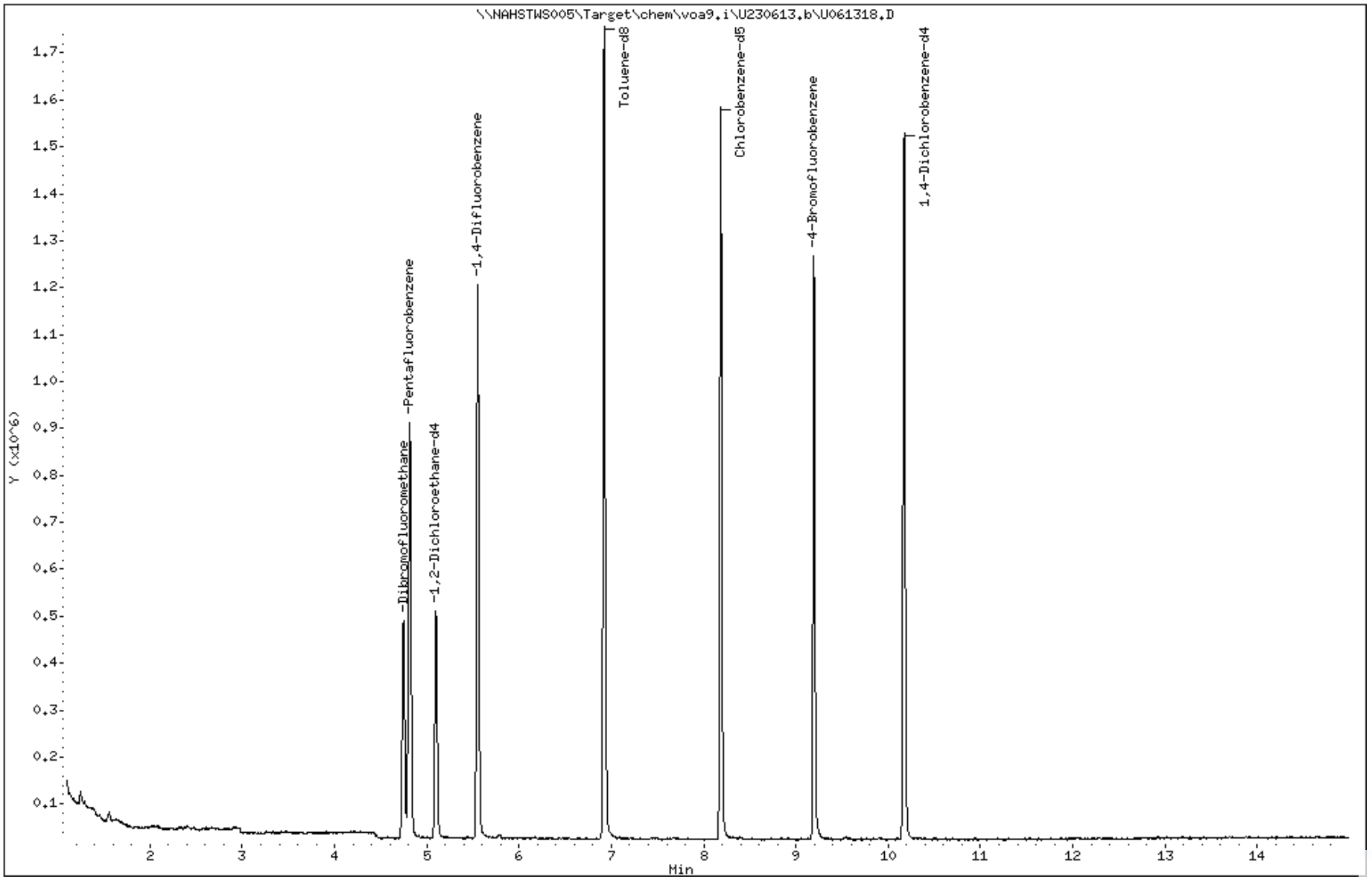
Sample Info: HS23060596-03;HS23060596-03;;;

Purge Volume: 5.0

Operator: PC

Column phase: DB624

Column diameter: 0.18



Data File : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061318.D
Inj Date : 13-JUN-2023 18:04
InstruID : VOA9.i
LabSampID : HS23060596-03

NO MANUAL INTEGRATIONS

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061319.D Page 1
Report Date: 15-Jun-2023 11:47

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061319.D
Lab Smp Id: HS23060596-06 Client Smp ID: HS23060596-06
Inj Date : 13-JUN-2023 18:26
Operator : PC Inst ID: VOA9.i
Smp Info : HS23060596-06;HS23060596-06;;;
Misc Info : V9;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\8260C.m
Meth Date : 15-Jun-2023 11:47 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 13:50 Cal File: U060608.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.815	4.815	(1.000)	740727	50.0000	
$ 30 Dibromofluoromethane	113	4.748	4.747	(0.986)	297681	47.8654	47.86
$ 35 1,2-Dichloroethane-d4	65	5.100	5.100	(1.059)	346066	51.4596	51.45
* 36 1,4-Difluorobenzene	114	5.554	5.553	(1.000)	1040382	50.0000	
* 47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	838864	50.0000	
$ 48 Toluene-d8	98	6.922	6.922	(0.846)	1136169	59.8427	59.84
$ 69 4-Bromofluorobenzene	95	9.194	9.193	(1.123)	387179	51.7902	51.79
* 70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	448819	50.0000	

01225227

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061319.D

Date : 13-JUN-2023 18:26

Client ID: HS23060596-06

Instrument: VOA9.i

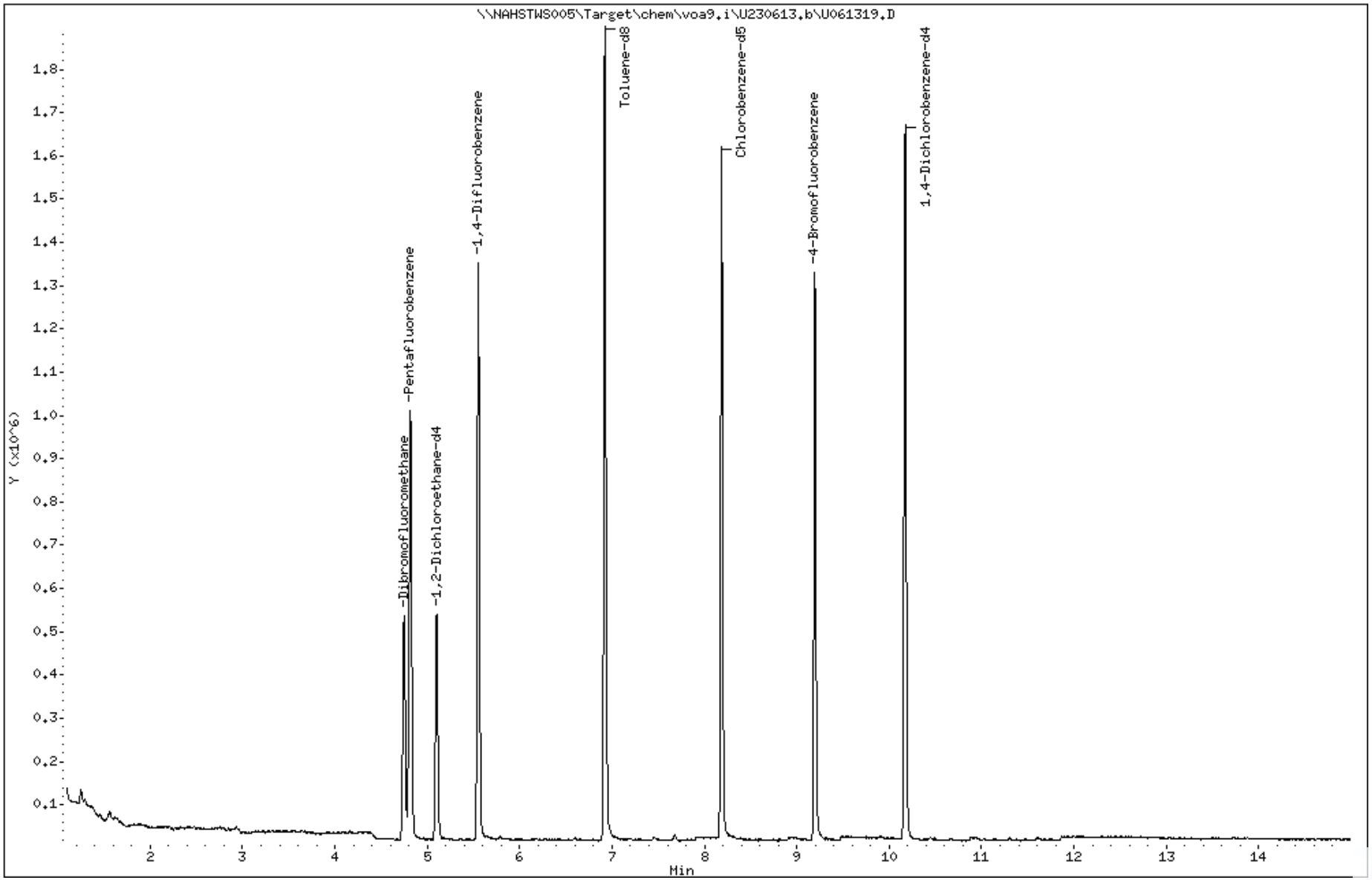
Sample Info: HS23060596-06;HS23060596-06;;;

Purge Volume: 5.0

Operator: PC

Column phase: DB624

Column diameter: 0.18



Data File : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061319.D
Inj Date : 13-JUN-2023 18:26
InstruID : VOA9.i
LabSampID : HS23060596-06

NO MANUAL INTEGRATIONS

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061320.D Page 1
Report Date: 15-Jun-2023 11:47

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061320.D
Lab Smp Id: HS23060596-07 Client Smp ID: HS23060596-07
Inj Date : 13-JUN-2023 18:48
Operator : PC Inst ID: VOA9.i
Smp Info : HS23060596-07;HS23060596-07;;;
Misc Info : V9;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\8260C.m
Meth Date : 15-Jun-2023 11:47 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 13:50 Cal File: U060608.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.811	4.815	(1.000)	766412	50.0000	
$ 30 Dibromofluoromethane	113	4.748	4.747	(0.987)	313309	48.6954	48.69
$ 35 1,2-Dichloroethane-d4	65	5.096	5.100	(1.059)	349566	50.2218	50.22
* 36 1,4-Difluorobenzene	114	5.554	5.553	(1.000)	1067805	50.0000	
* 47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	933286	50.0000	
$ 48 Toluene-d8	98	6.922	6.922	(0.846)	1169832	55.3820	55.38
$ 69 4-Bromofluorobenzene	95	9.194	9.193	(1.123)	387563	46.5058	46.50
* 70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	447432	50.0000	

01225230

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061320.D

Date : 13-JUN-2023 18:48

Client ID: HS23060596-07

Instrument: VOA9.i

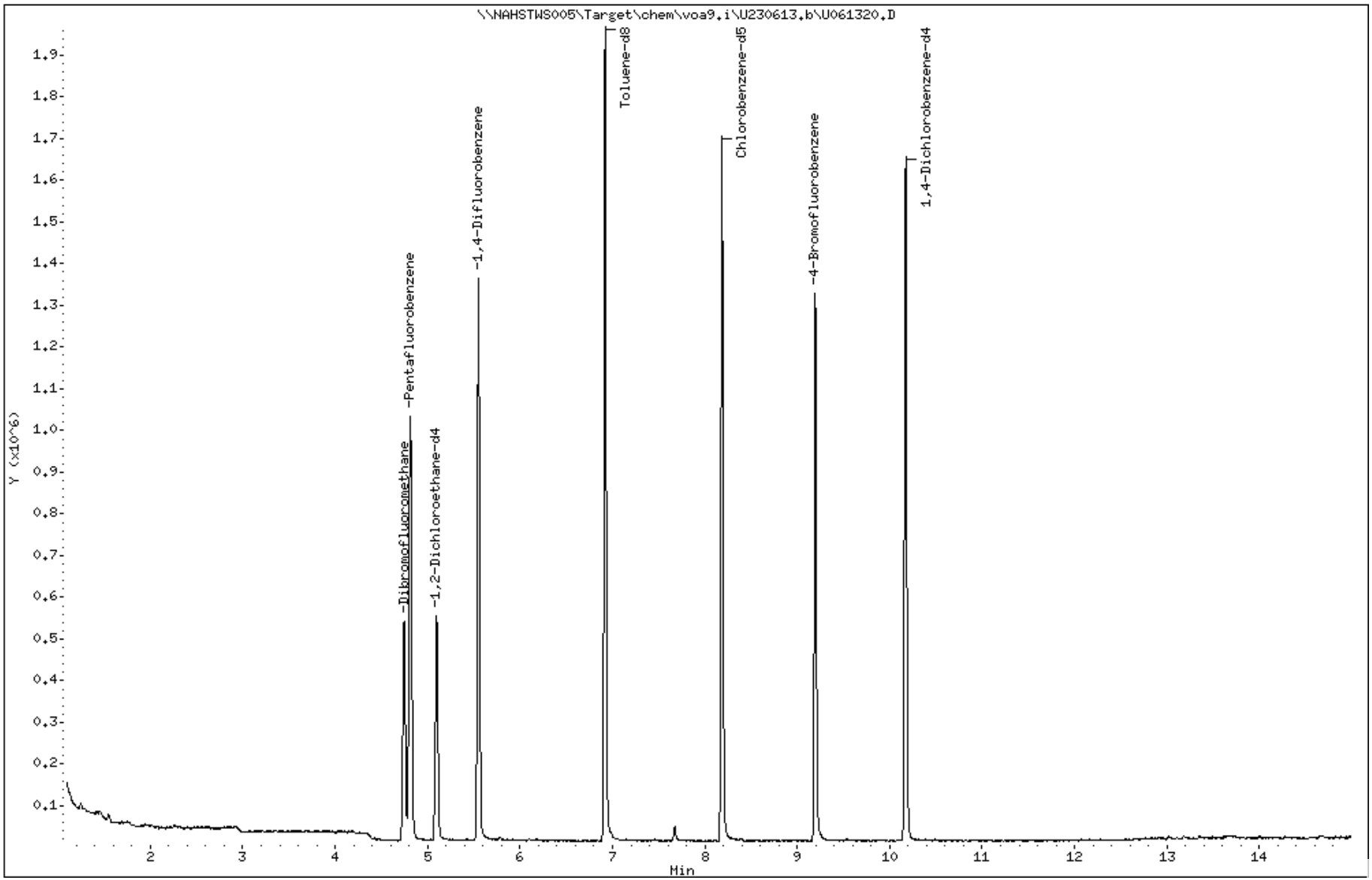
Sample Info: HS23060596-07;HS23060596-07;;;

Purge Volume: 5.0

Operator: PC

Column phase: DB624

Column diameter: 0.18



Data File : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061320.D
Inj Date : 13-JUN-2023 18:48
InstruID : VOA9.i
LabSampID : HS23060596-07

NO MANUAL INTEGRATIONS

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061321.D Page 1
Report Date: 15-Jun-2023 11:47

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061321.D
Lab Smp Id: HS23060596-09 Client Smp ID: HS23060596-09
Inj Date : 13-JUN-2023 19:11
Operator : PC Inst ID: VOA9.i
Smp Info : HS23060596-09;HS23060596-09;;;
Misc Info : V9;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\8260C.m
Meth Date : 15-Jun-2023 11:47 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 13:50 Cal File: U060608.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.819	4.815	(1.000)	745541	50.0000	
11 1,1-Dichloroethene	96	2.337	2.333	(0.485)	6240	1.10265	1.10(a)
22 1,1-Dichloroethane	63	3.518	3.514	(0.730)	6793	0.58080	0.58(a)
$ 30 Dibromofluoromethane	113	4.751	4.747	(0.986)	305881	48.8729	48.87
$ 35 1,2-Dichloroethane-d4	65	5.100	5.100	(1.058)	343208	50.6950	50.69
* 36 1,4-Difluorobenzene	114	5.557	5.553	(1.000)	1035036	50.0000	
* 47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	931912	50.0000	
$ 48 Toluene-d8	98	6.922	6.922	(0.846)	1151790	54.6083	54.60
$ 69 4-Bromofluorobenzene	95	9.193	9.193	(1.123)	385626	46.3384	46.33
* 70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	457949	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

01225233

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061321.D

Date : 13-JUN-2023 19:11

Client ID: HS23060596-09

Instrument: VOA9.i

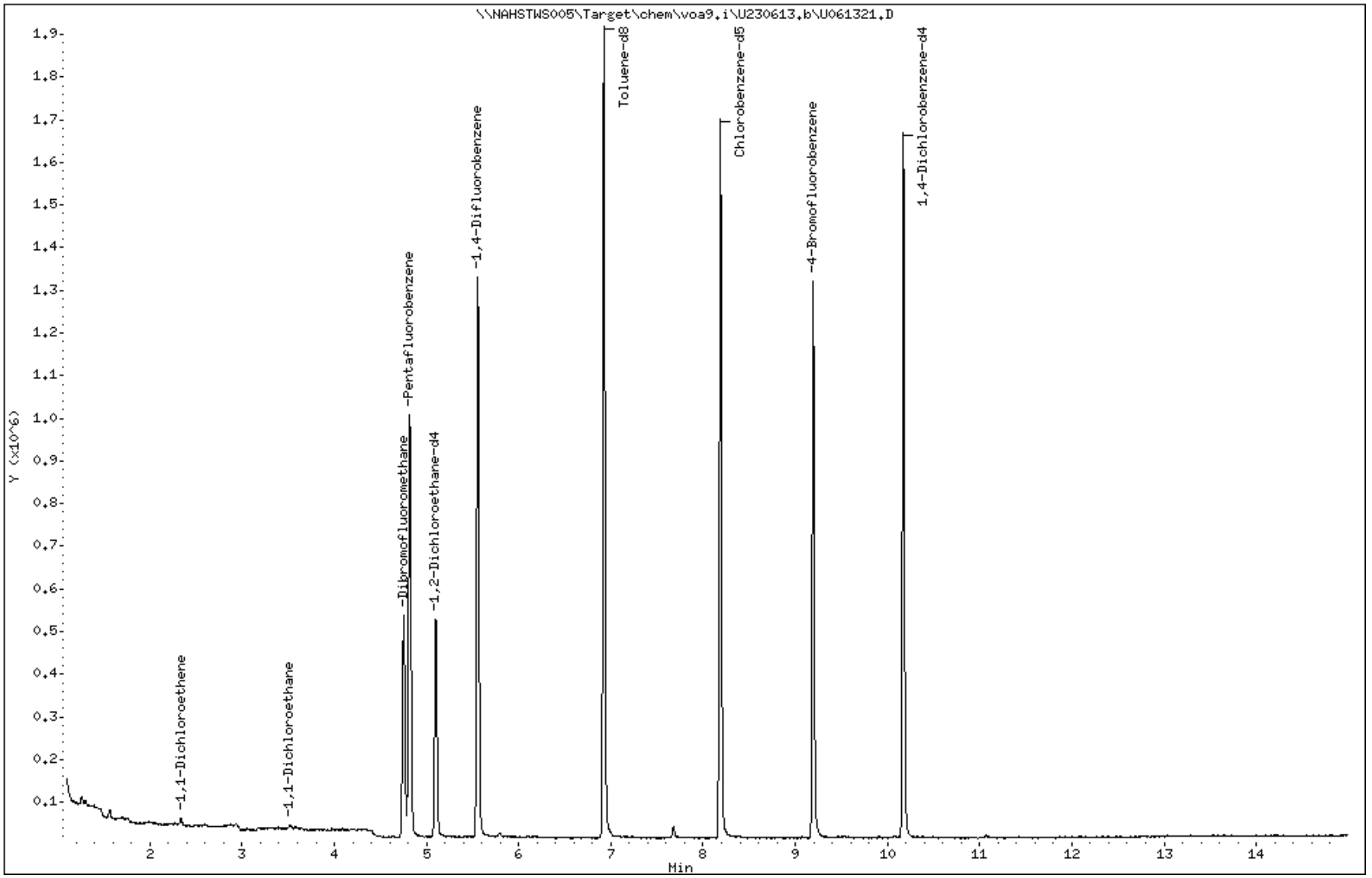
Sample Info: HS23060596-09;HS23060596-09;;;

Purge Volume: 5.0

Operator: PC

Column phase: DB624

Column diameter: 0.18



Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061321.D Page 2

Date : 13-JUN-2023 19:11

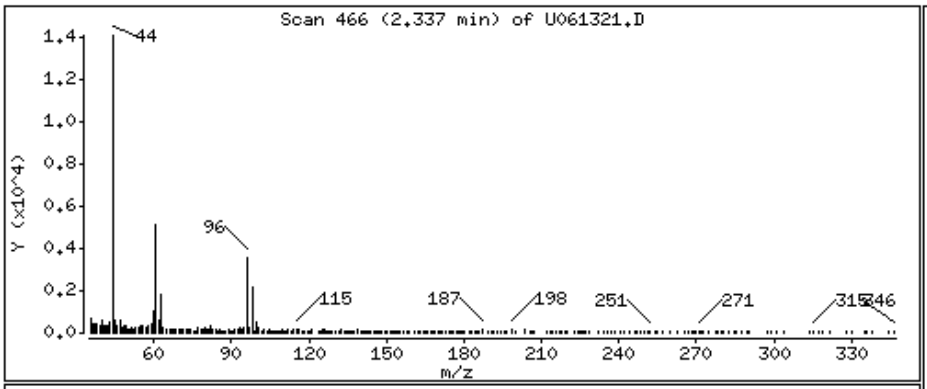
Client ID: HS23060596-09 Instrument: VOA9.i

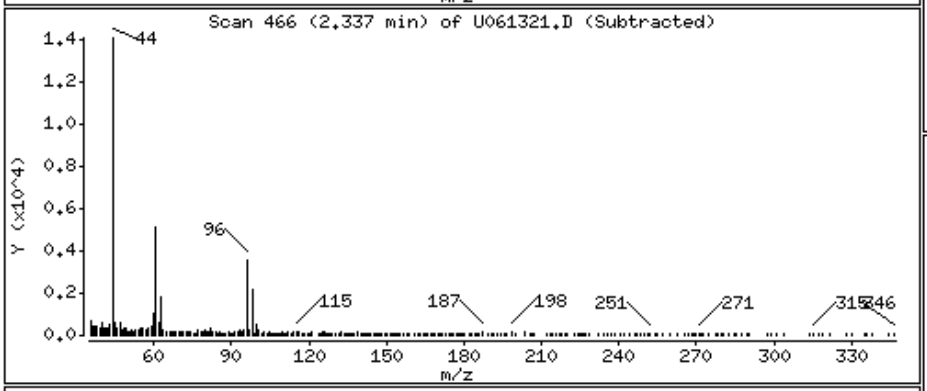
Sample Info: HS23060596-09;HS23060596-09;;;

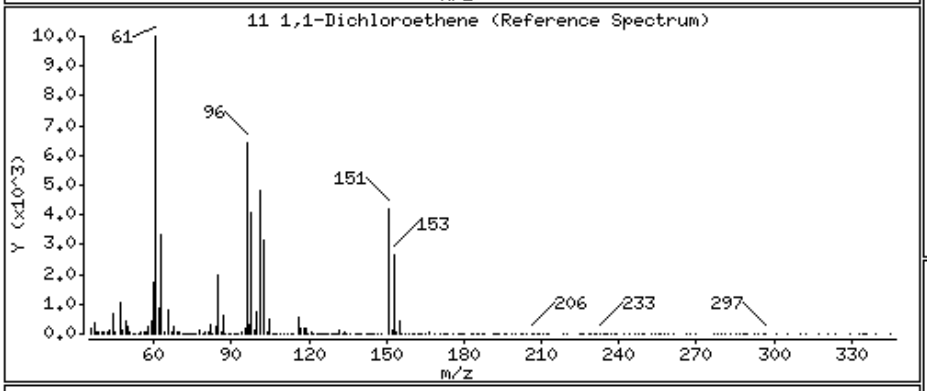
Purge Volume: 5.0 Operator: PC

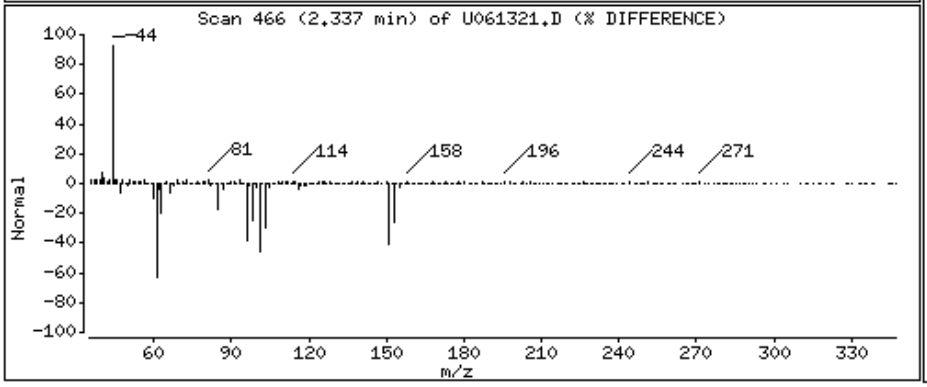
Column phase: DB624 Column diameter: 0.18

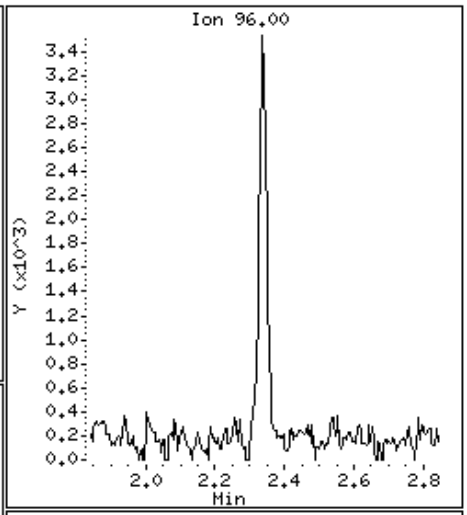
11 1,1-Dichloroethene Concentration: 1.10 ug/l

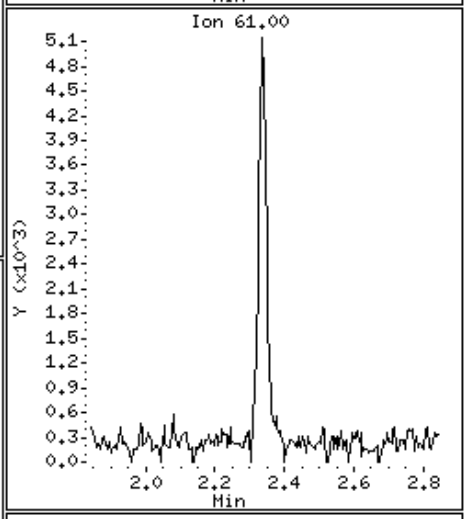


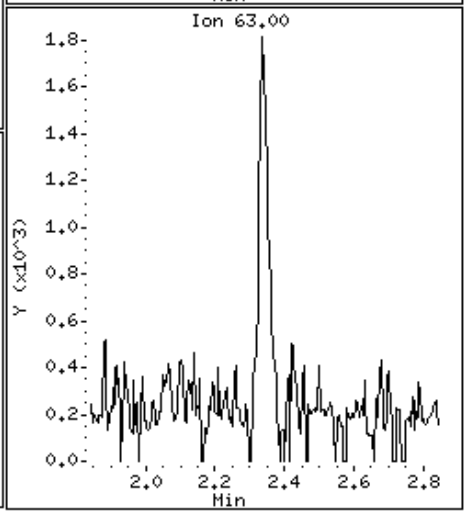












Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061321.D Page 3

Date : 13-JUN-2023 19:11

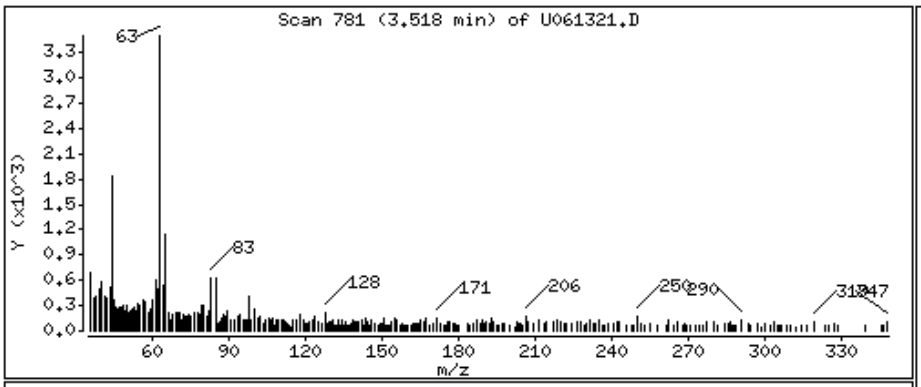
Client ID: HS23060596-09 Instrument: VOA9.i

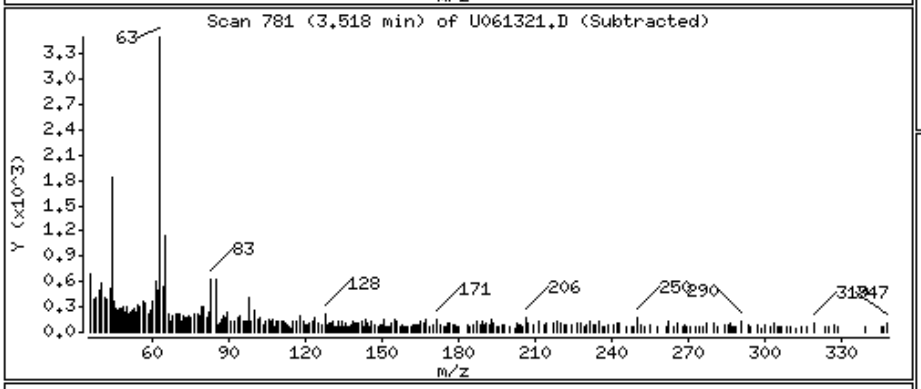
Sample Info: HS23060596-09;HS23060596-09;;;

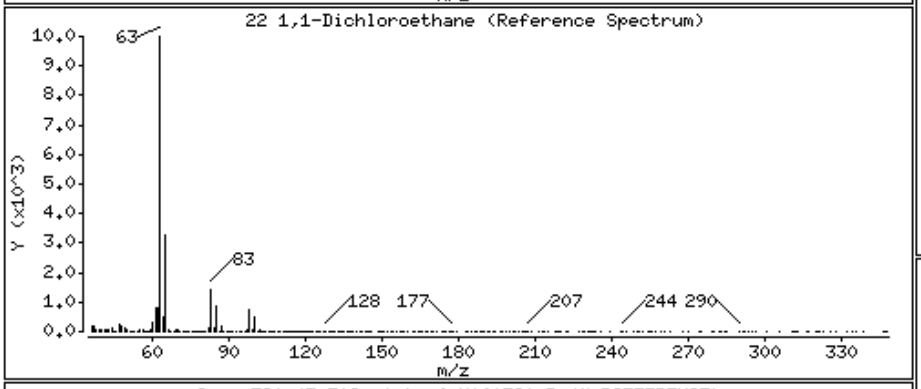
Purge Volume: 5.0 Operator: PC

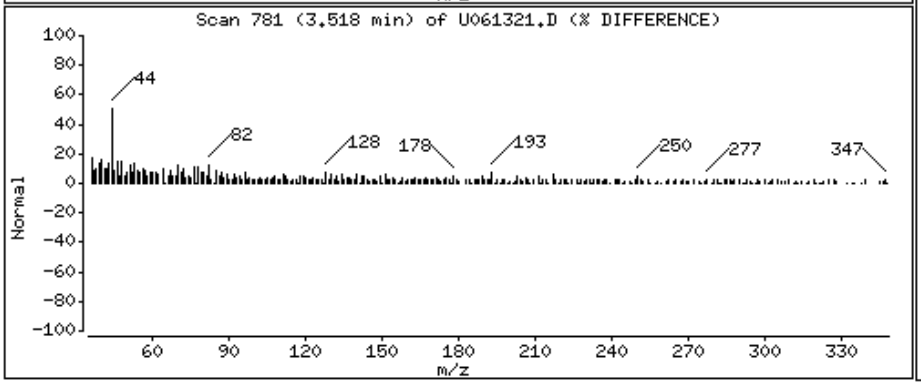
Column phase: DB624 Column diameter: 0.18

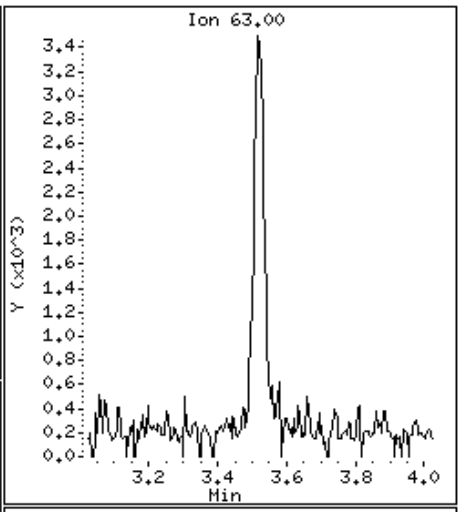
22 1,1-Dichloroethane Concentration: 0.58 ug/l

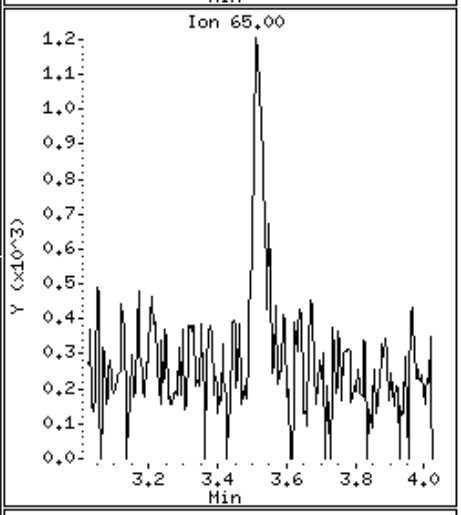


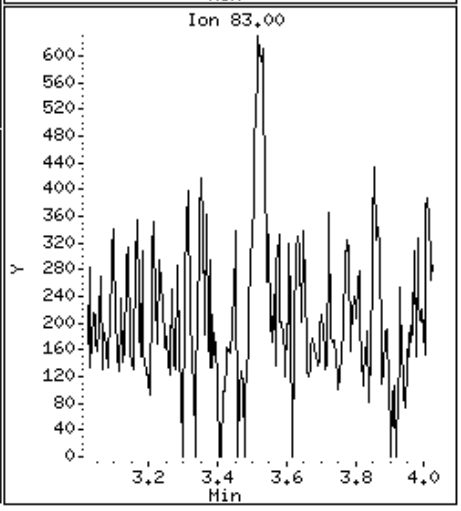












Data File : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061321.D
Inj Date : 13-JUN-2023 19:11
InstruID : VOA9.i
LabSampID : HS23060596-09

NO MANUAL INTEGRATIONS

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061322.D Page 1
Report Date: 15-Jun-2023 11:47

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061322.D
Lab Smp Id: HS23060596-04 Client Smp ID: HS23060596-04
Inj Date : 13-JUN-2023 19:33
Operator : PC Inst ID: VOA9.i
Smp Info : HS23060596-04;HS23060596-04;;;
Misc Info : V9;WATER;0;1;
Comment :
Method : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\8260C.m
Meth Date : 15-Jun-2023 11:47 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 13:50 Cal File: U060608.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
*	1 Pentafluorobenzene	168	4.811	4.815	(1.000)	734074	50.0000	
	22 1,1-Dichloroethane	63	3.507	3.514	(0.729)	8689	0.75451	0.75(a)
	27 cis-1,2-Dichloroethene	96	4.193	4.196	(0.871)	9211	1.27057	1.27(a)
$	30 Dibromofluoromethane	113	4.744	4.747	(0.986)	296906	48.1755	48.17
$	35 1,2-Dichloroethane-d4	65	5.096	5.100	(1.059)	338573	50.7929	50.79
*	36 1,4-Difluorobenzene	114	5.550	5.553	(1.000)	1024142	50.0000	
	38 Trichloroethene	130	5.786	5.790	(1.043)	1444865	202.000	201.99(A)
*	47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	922484	50.0000	
$	48 Toluene-d8	98	6.922	6.922	(0.846)	1137896	54.5009	54.50
	56 Tetrachloroethene	164	7.458	7.458	(0.911)	3070472	503.696	503.69(A)
$	69 4-Bromofluorobenzene	95	9.194	9.193	(1.123)	377937	45.8696	45.86
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	448807	50.0000	
M	94 1,2-Dichloroethylene (total)	96				9211	1.27057	1.27(a)

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.

01225239

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061322.D

Date : 13-JUN-2023 19:33

Client ID: HS23060596-04

Instrument: VOA9.i

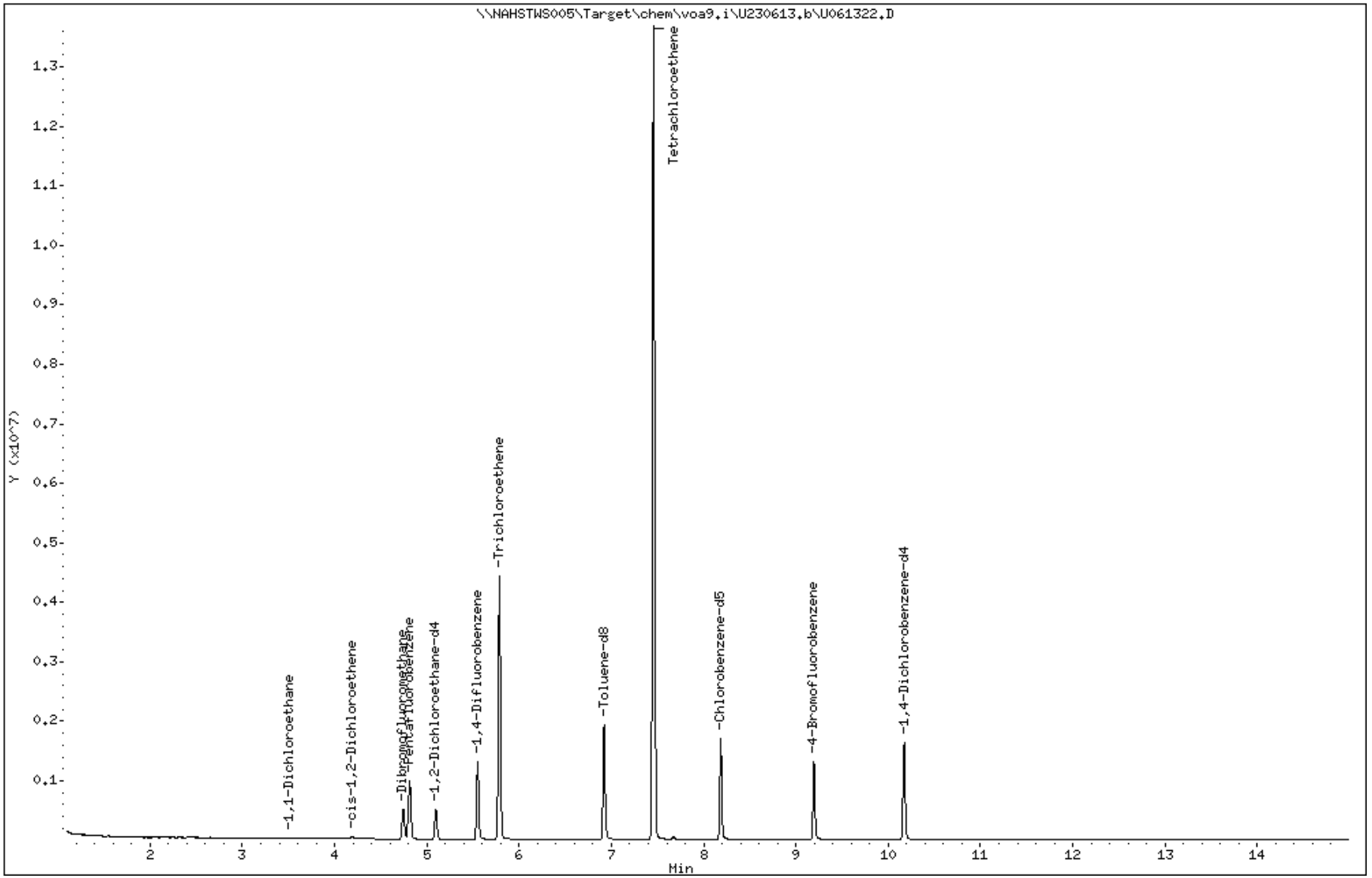
Sample Info: HS23060596-04;HS23060596-04;;;

Purge Volume: 5.0

Operator: PC

Column phase: DB624

Column diameter: 0.18



Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061322.D

Date : 13-JUN-2023 19:33

Client ID: HS23060596-04

Instrument: VOA9.i

Sample Info: HS23060596-04;HS23060596-04;;;

Purge Volume: 5.0

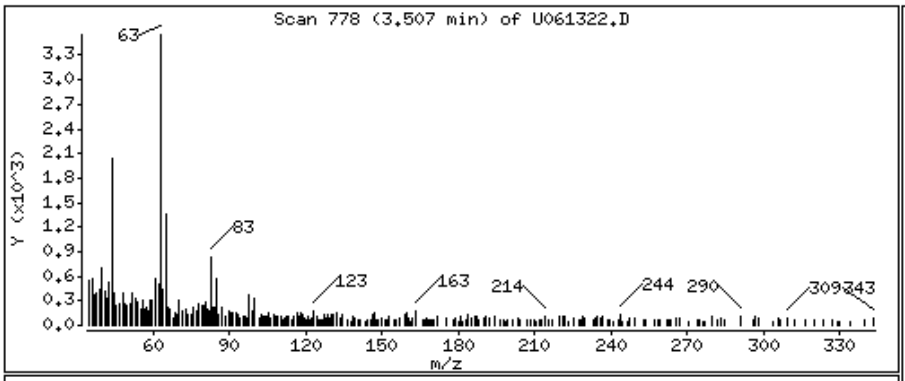
Operator: PC

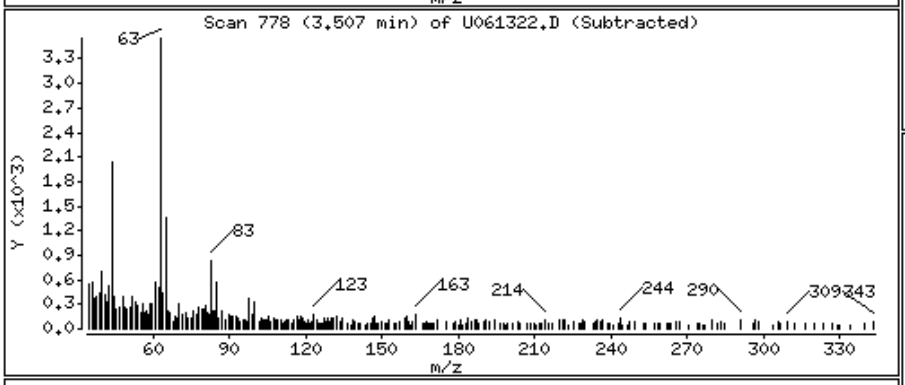
Column phase: DB624

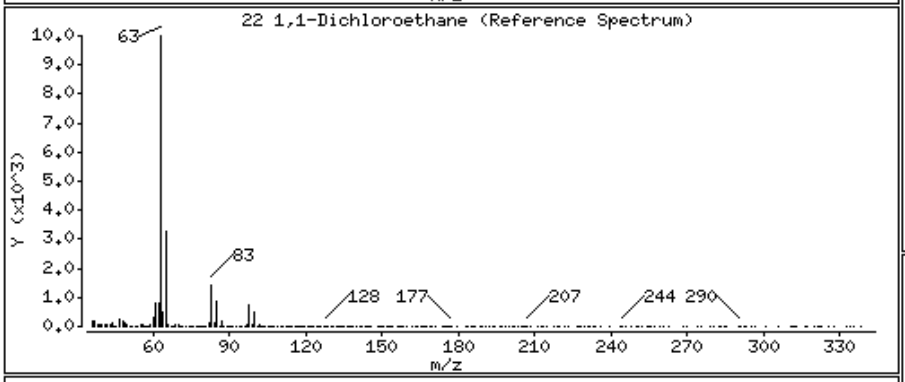
Column diameter: 0.18

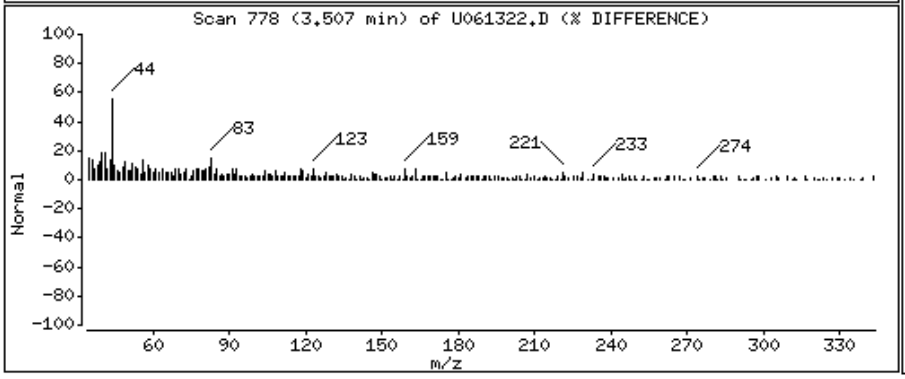
22 1,1-Dichloroethane

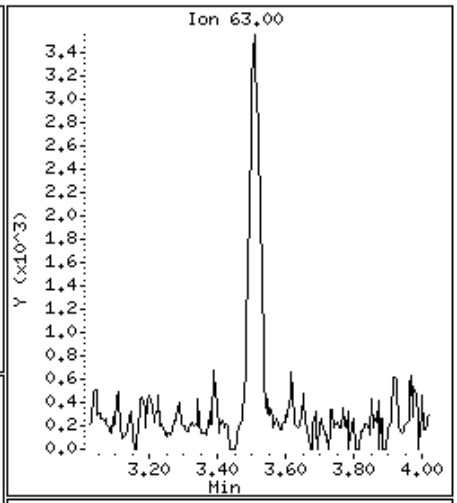
Concentration: 0.75 ug/l

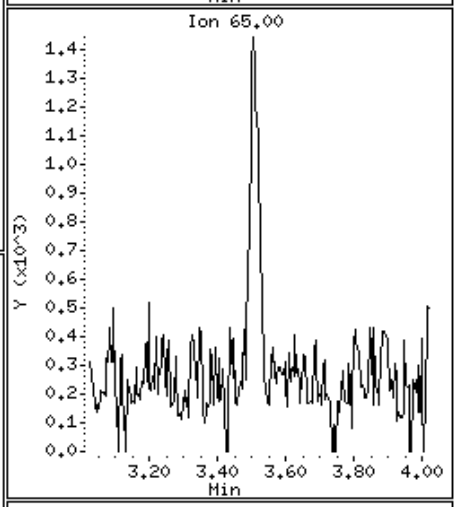


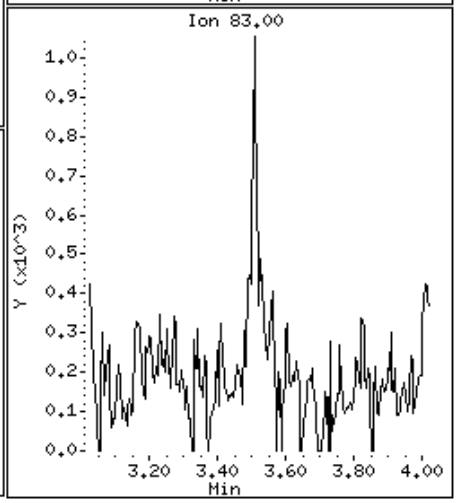












Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061322.D Page 3

Date : 13-JUN-2023 19:33

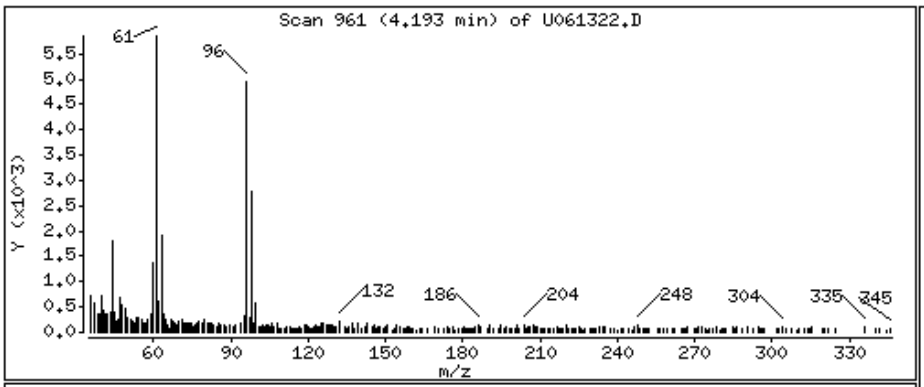
Client ID: HS23060596-04 Instrument: VOA9.i

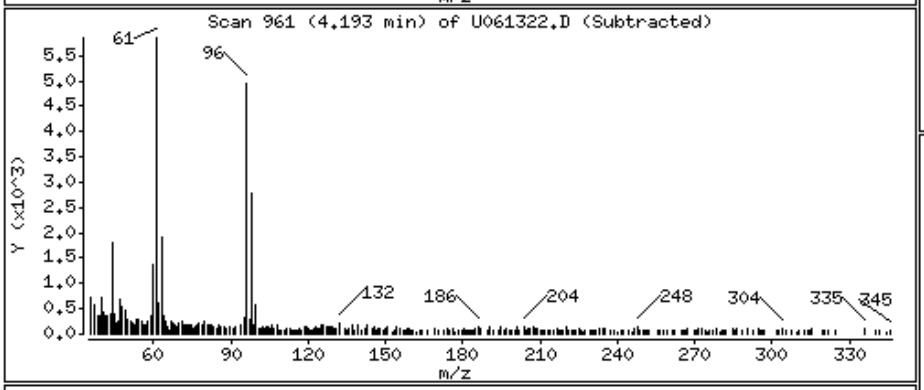
Sample Info: HS23060596-04;HS23060596-04;;;

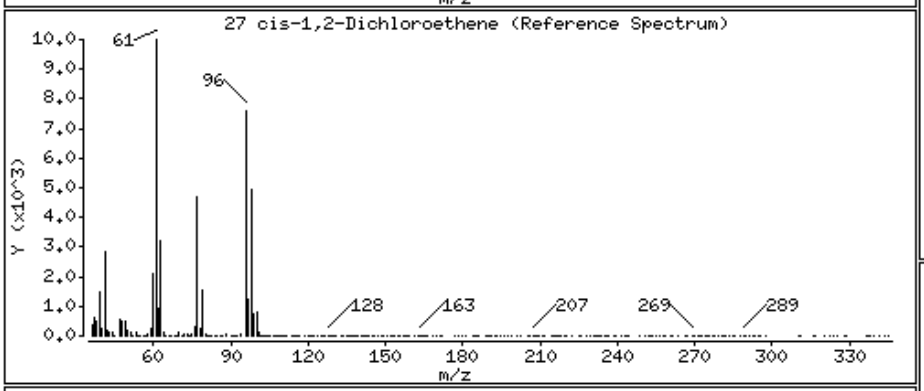
Purge Volume: 5.0 Operator: PC

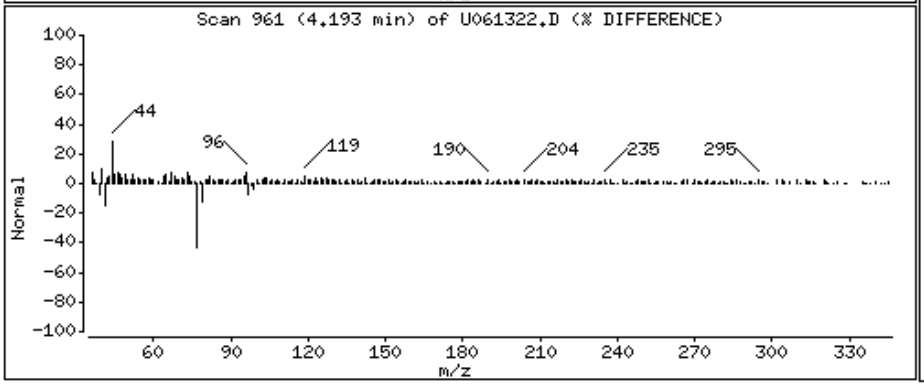
Column phase: DB624 Column diameter: 0.18

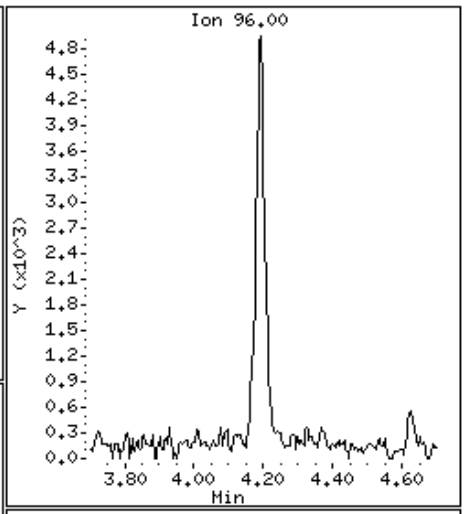
27 cis-1,2-Dichloroethene Concentration: 1.27 ug/l

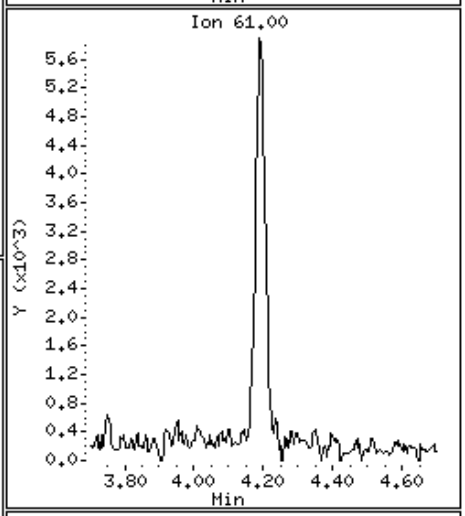


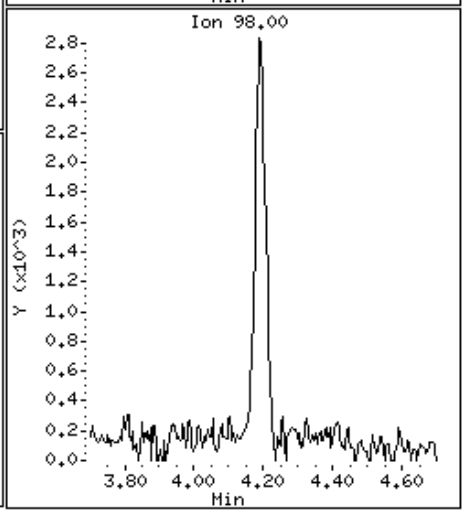












Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061322.D Page 4

Date : 13-JUN-2023 19:33

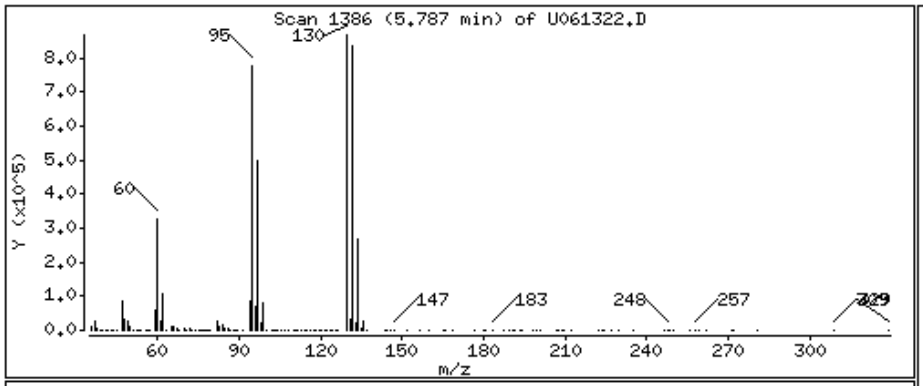
Client ID: HS23060596-04 Instrument: VOA9.i

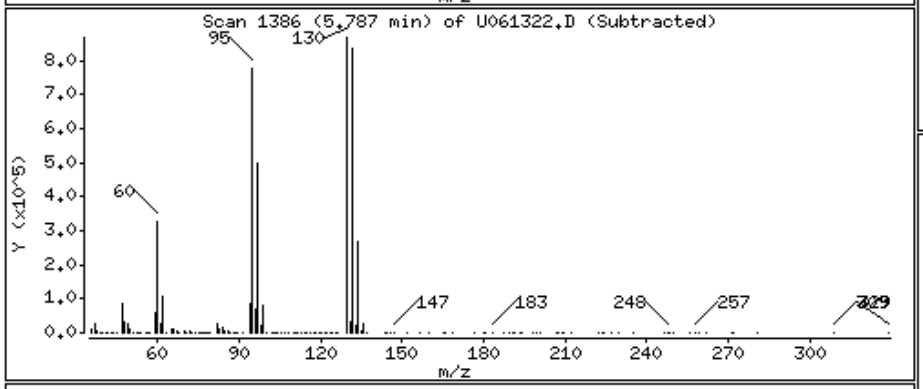
Sample Info: HS23060596-04;HS23060596-04;;;

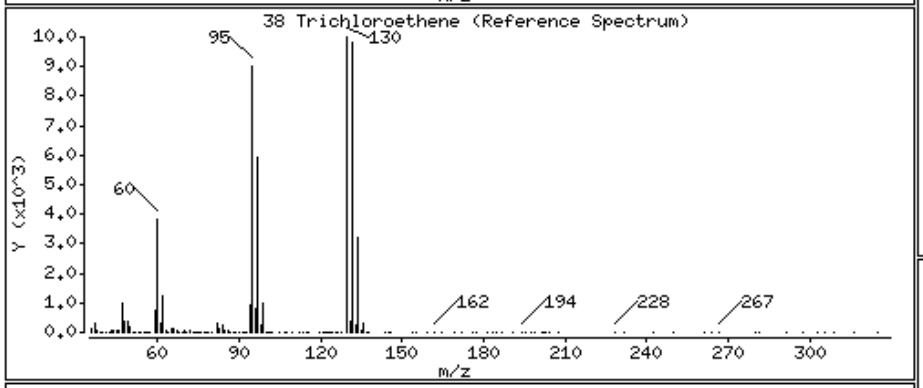
Purge Volume: 5.0 Operator: PC

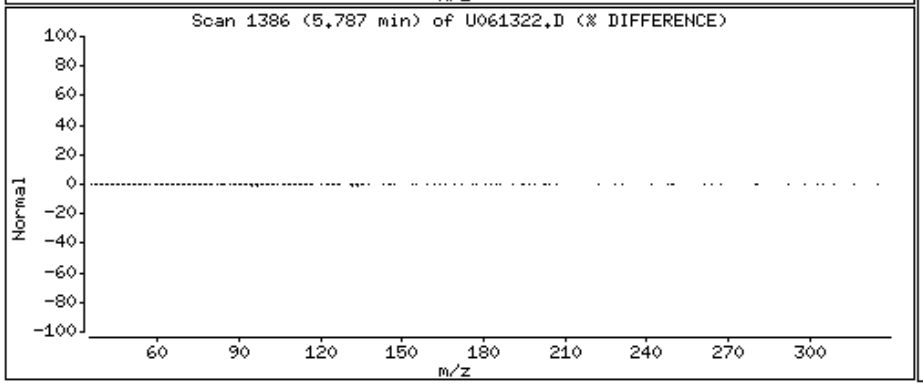
Column phase: DB624 Column diameter: 0.18

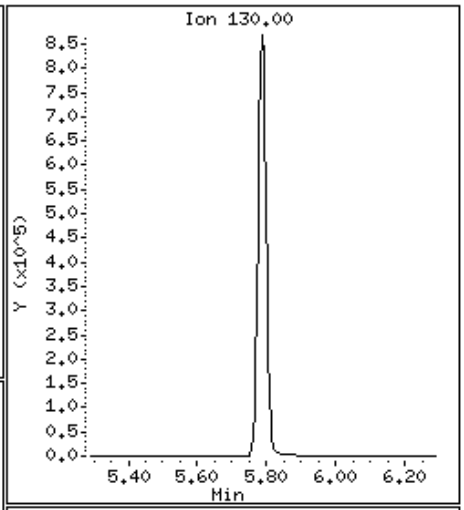
38 Trichloroethene Concentration: 201.99 ug/l

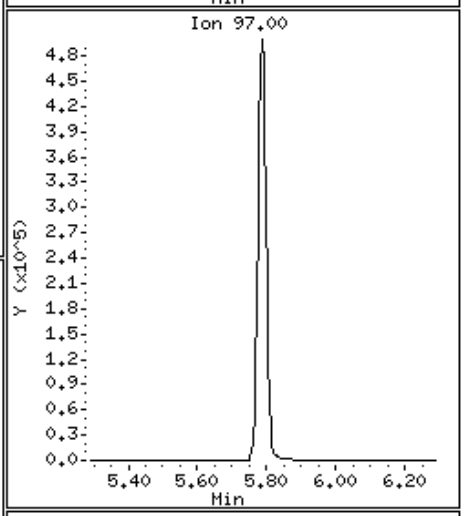


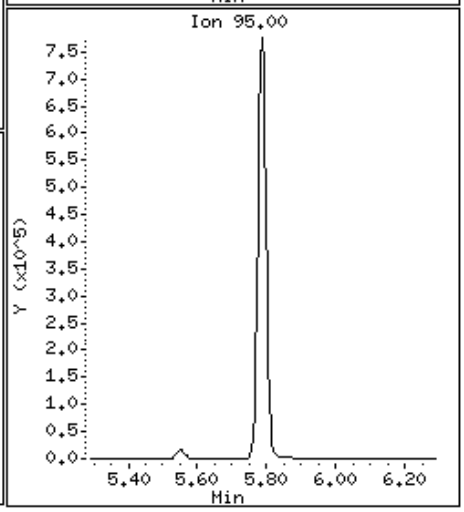












Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061322.D Page 5

Date : 13-JUN-2023 19:33

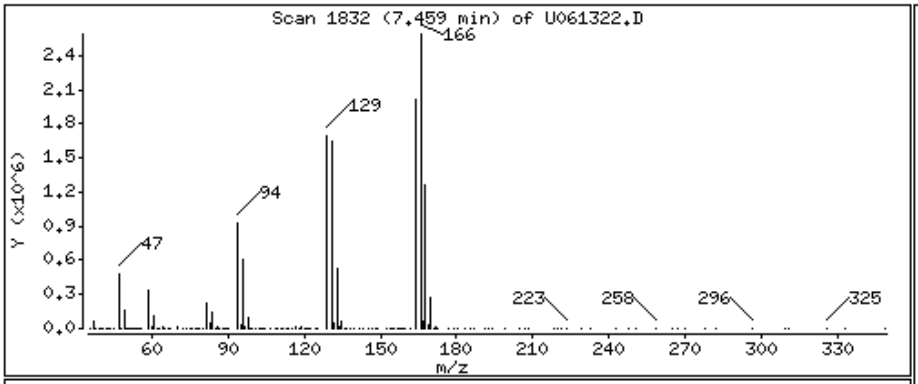
Client ID: HS23060596-04 Instrument: VOA9.i

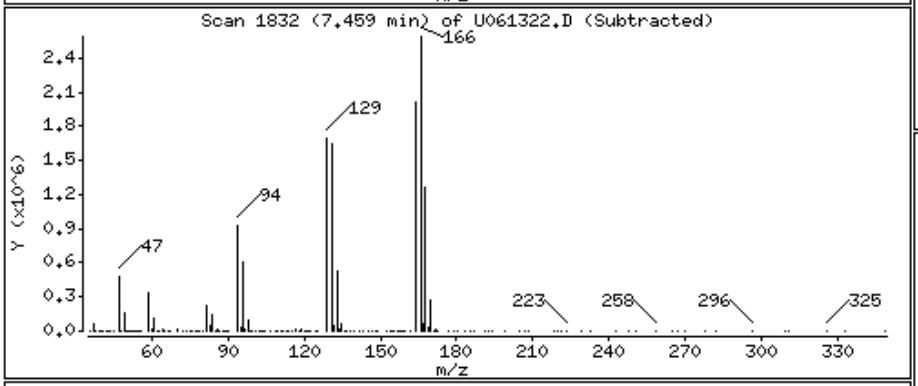
Sample Info: HS23060596-04;HS23060596-04;;;

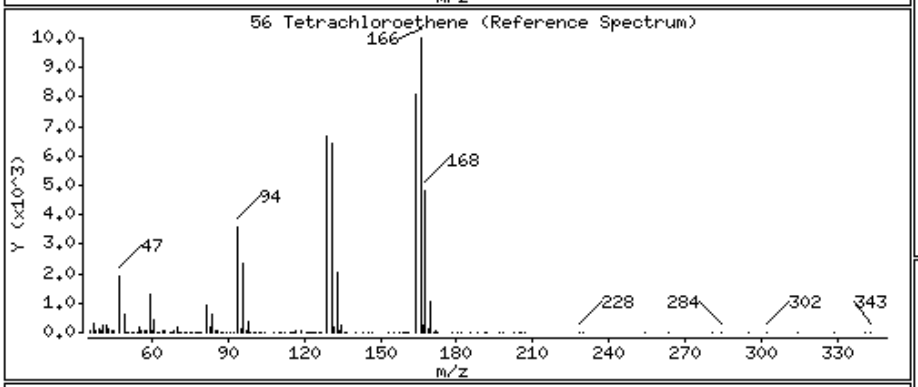
Purge Volume: 5.0 Operator: PC

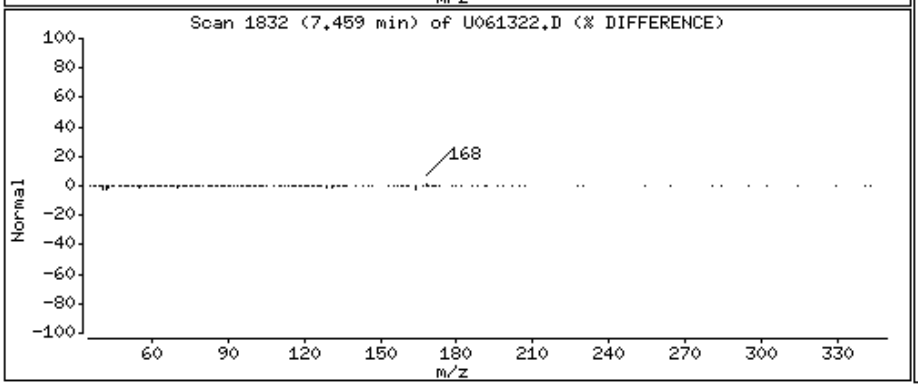
Column phase: DB624 Column diameter: 0.18

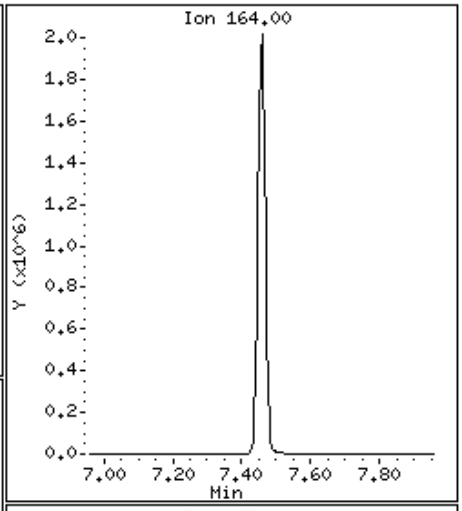
56 Tetrachloroethene Concentration: 503.69 ug/l

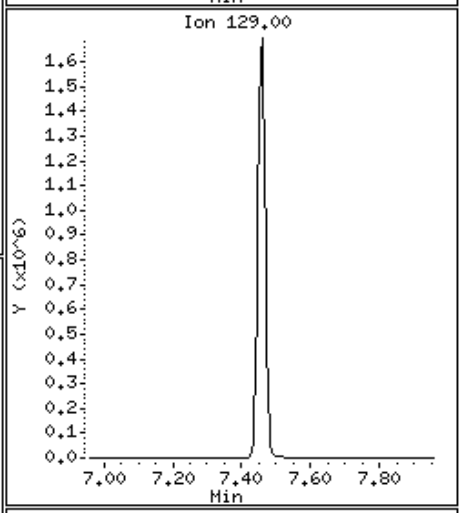


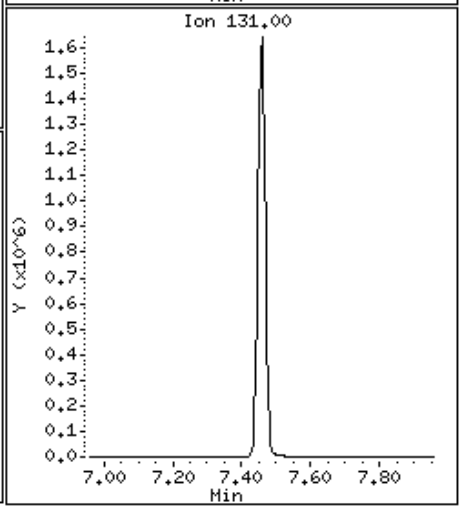












Data File : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061322.D
Inj Date : 13-JUN-2023 19:33
InstruID : VOA9.i
LabSampID : HS23060596-04

NO MANUAL INTEGRATIONS

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061323.D Page 1
Report Date: 15-Jun-2023 11:47

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061323.D
Lab Smp Id: HS23060596-05 Client Smp ID: HS23060596-05
Inj Date : 13-JUN-2023 19:56
Operator : PC Inst ID: VOA9.i
Smp Info : HS23060596-05;HS23060596-05;;;
Misc Info : V9;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\8260C.m
Meth Date : 15-Jun-2023 11:47 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 13:50 Cal File: U060608.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
*	1 Pentafluorobenzene	168	4.815	4.815	(1.000)	618475	50.0000	
	22 1,1-Dichloroethane	63	3.511	3.514	(0.729)	9376	0.96635	0.96(a)
	27 cis-1,2-Dichloroethene	96	4.193	4.196	(0.871)	9893	1.61971	1.61(a)
$	30 Dibromofluoromethane	113	4.748	4.747	(0.986)	254646	49.0470	49.04
$	35 1,2-Dichloroethane-d4	65	5.096	5.100	(1.058)	316659	56.4598	56.45
*	36 1,4-Difluorobenzene	114	5.554	5.553	(1.000)	867891	50.0000	
	38 Trichloroethene	130	5.786	5.790	(1.042)	1257056	207.383	207.38(A)
*	47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	781655	50.0000	
$	48 Toluene-d8	98	6.922	6.922	(0.846)	984164	55.6304	55.63
	56 Tetrachloroethene	164	7.458	7.458	(0.911)	2801882	542.446	542.44(A)
$	69 4-Bromofluorobenzene	95	9.194	9.193	(1.123)	331986	47.5853	47.58
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	383939	50.0000	
M	94 1,2-Dichloroethylene (total)	96				9893	1.61971	1.61(a)

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.

01225247

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061323.D

Page 1

Date : 13-JUN-2023 19:56

Client ID: HS23060596-05

Instrument: VOA9.i

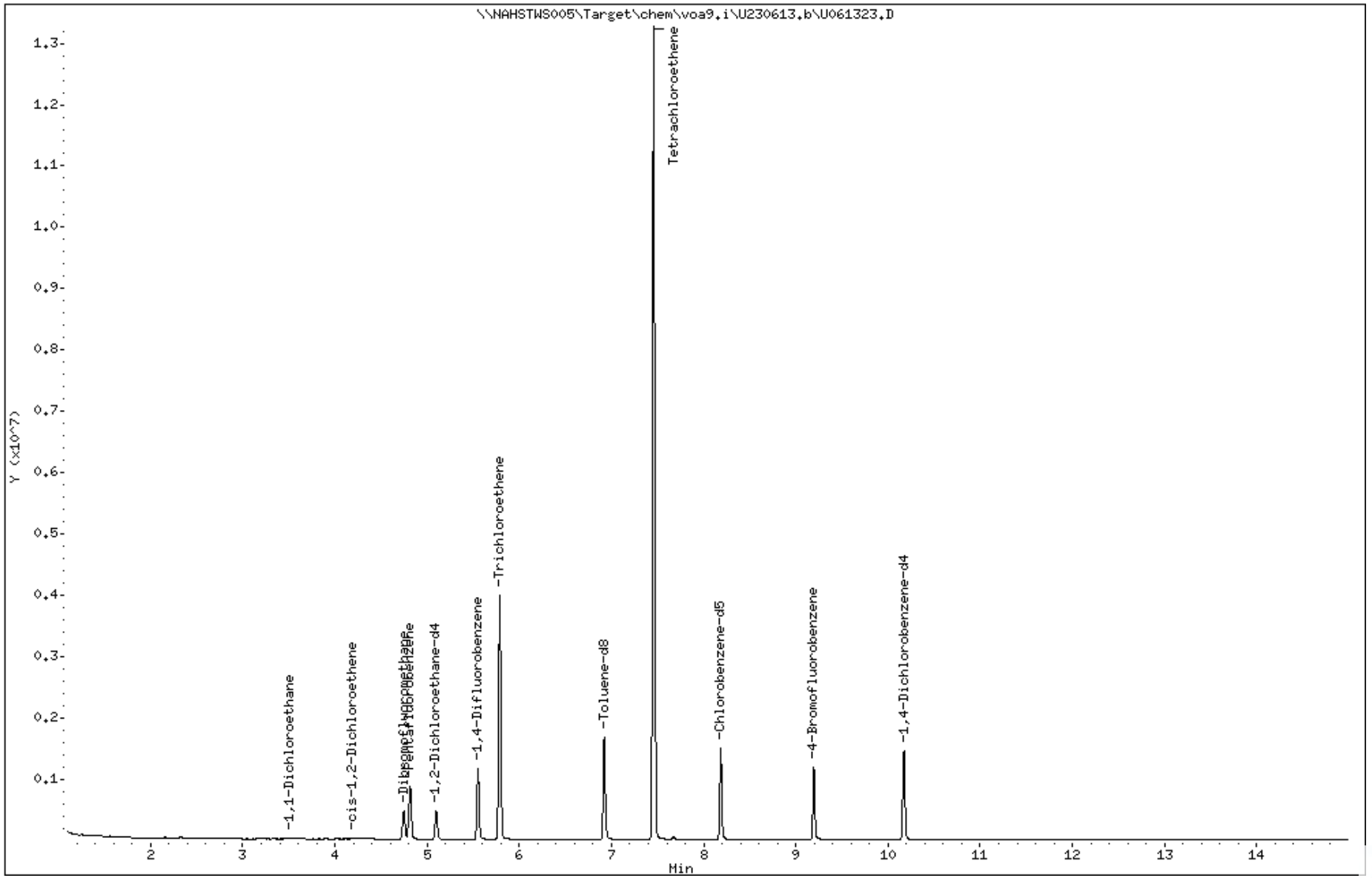
Sample Info: HS23060596-05;HS23060596-05;;;

Purge Volume: 5.0

Operator: PC

Column phase: DB624

Column diameter: 0.18



Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061323.D Page 2

Date : 13-JUN-2023 19:56

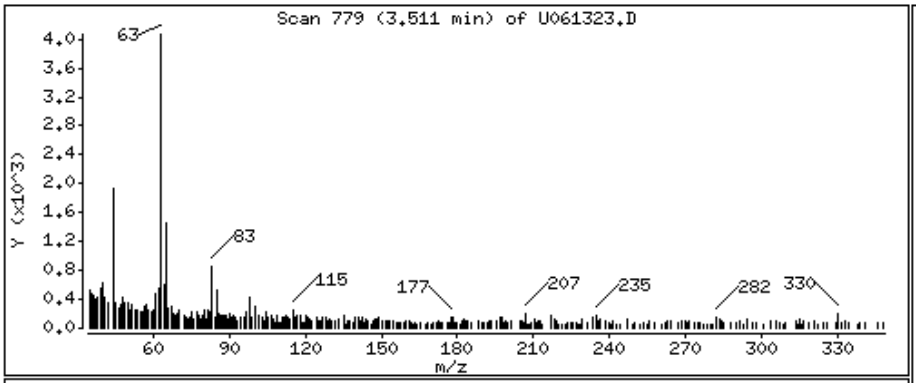
Client ID: HS23060596-05 Instrument: VOA9.i

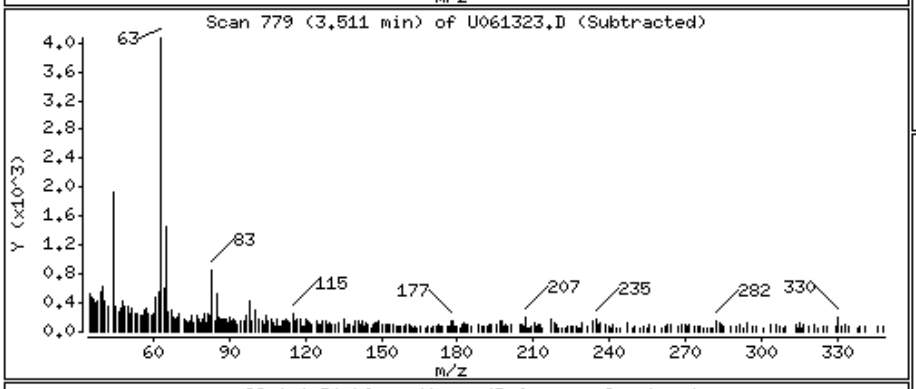
Sample Info: HS23060596-05;HS23060596-05;;;

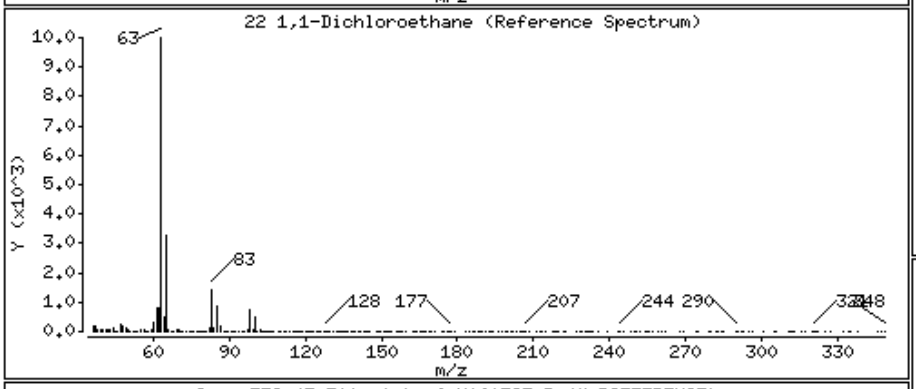
Purge Volume: 5.0 Operator: PC

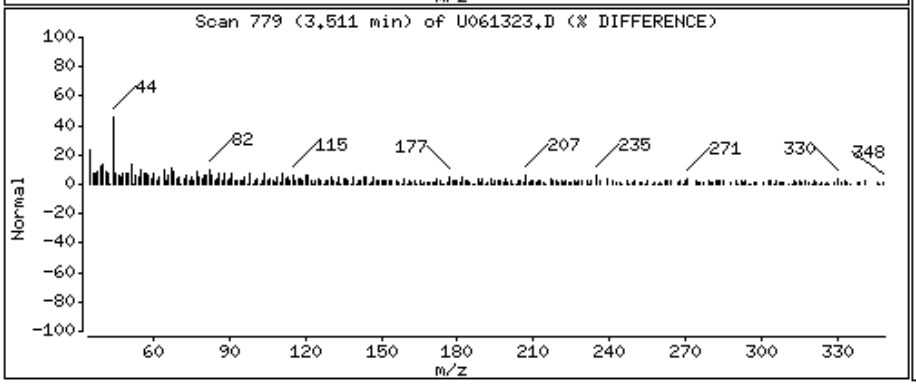
Column phase: DB624 Column diameter: 0.18

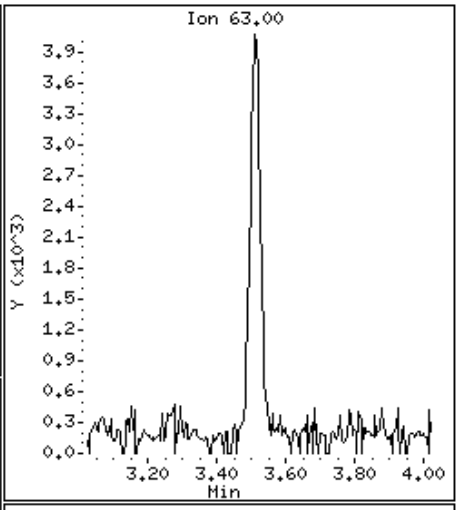
22 1,1-Dichloroethane Concentration: 0.96 ug/l

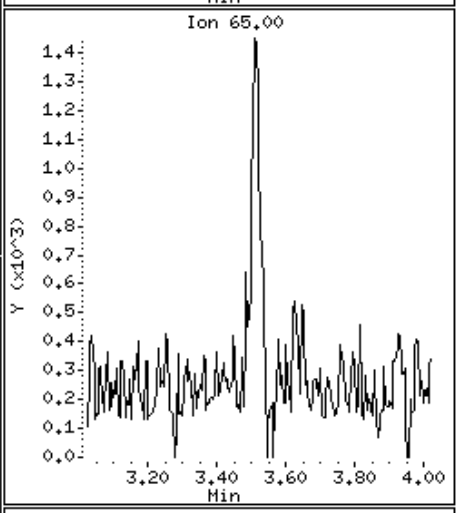


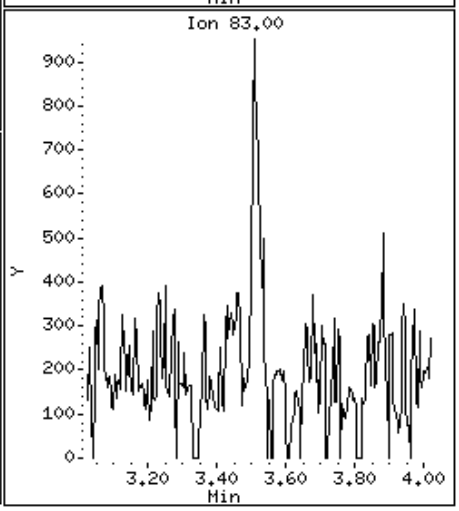












Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061323.D Page 3

Date : 13-JUN-2023 19:56

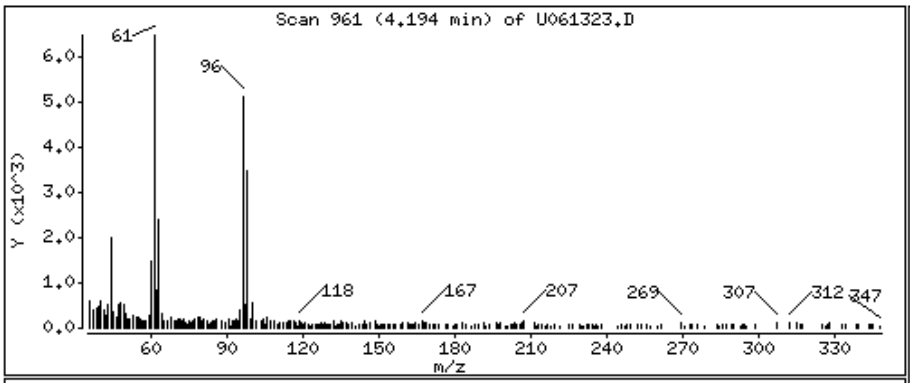
Client ID: HS23060596-05 Instrument: VOA9.i

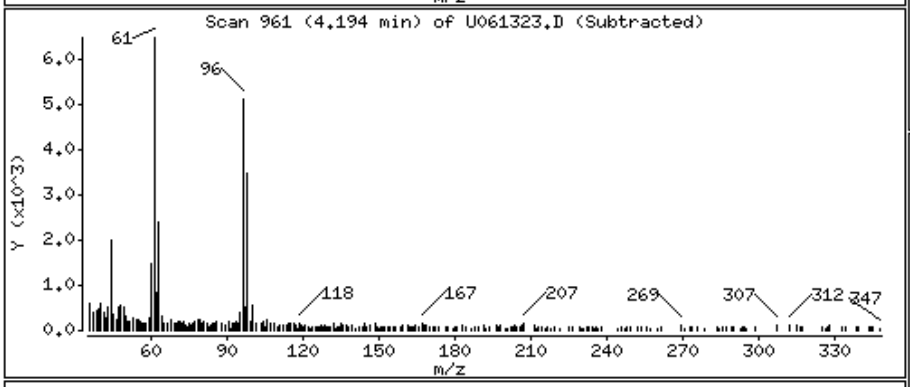
Sample Info: HS23060596-05;HS23060596-05;;;

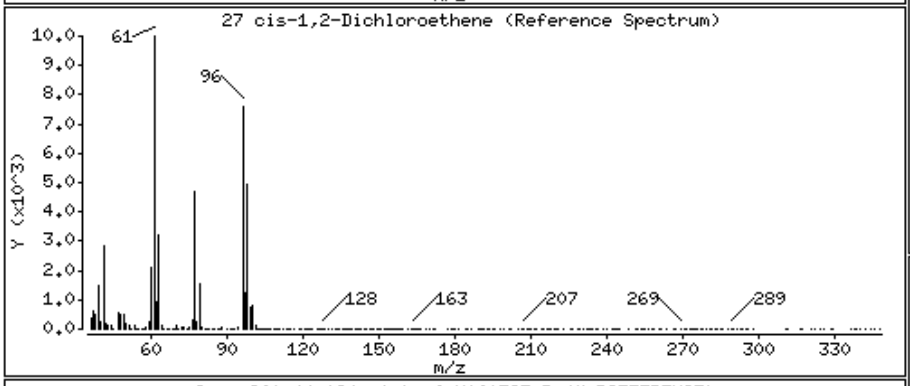
Purge Volume: 5.0 Operator: PC

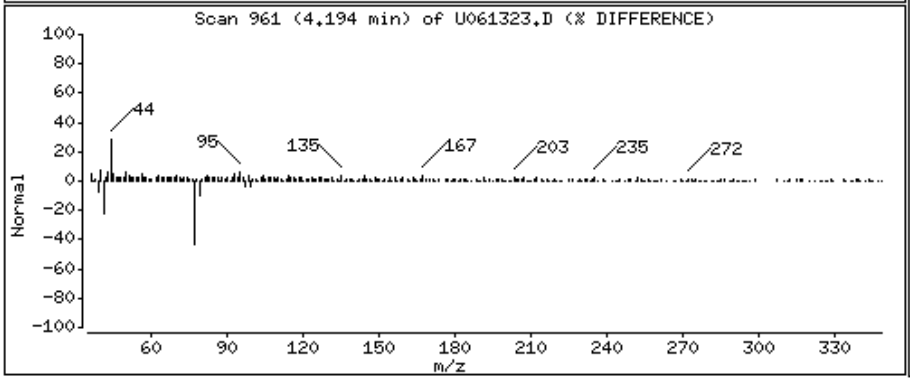
Column phase: DB624 Column diameter: 0.18

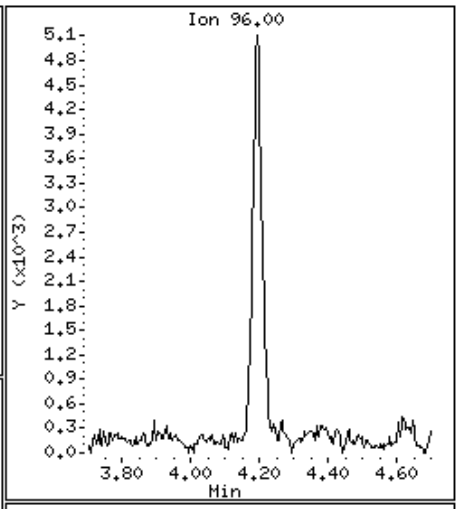
27 cis-1,2-Dichloroethene Concentration: 1.61 ug/l

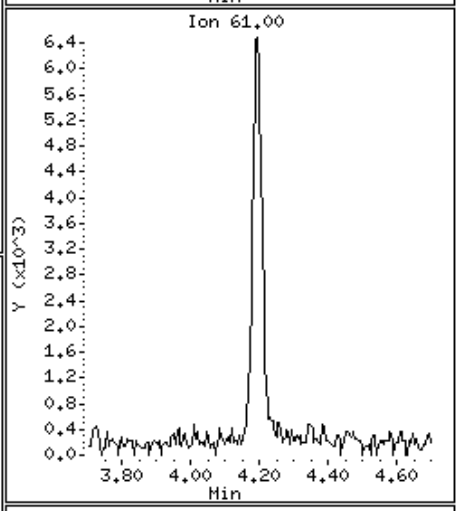


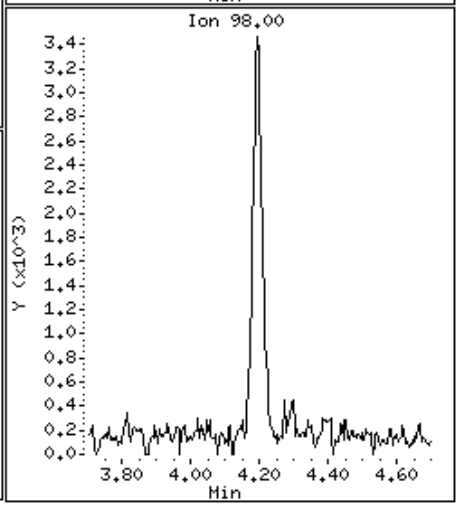












Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061323.D Page 4

Date : 13-JUN-2023 19:56

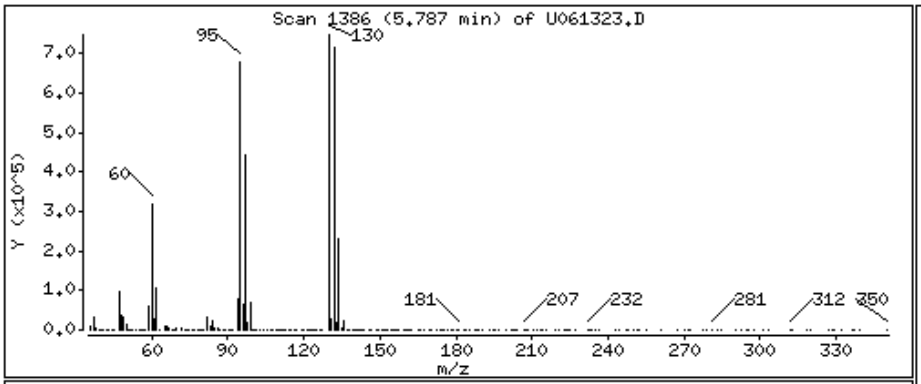
Client ID: HS23060596-05 Instrument: VOA9.i

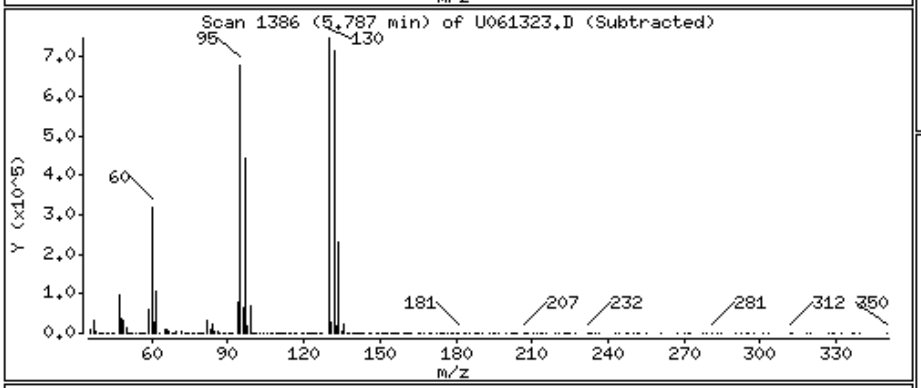
Sample Info: HS23060596-05;HS23060596-05;;;

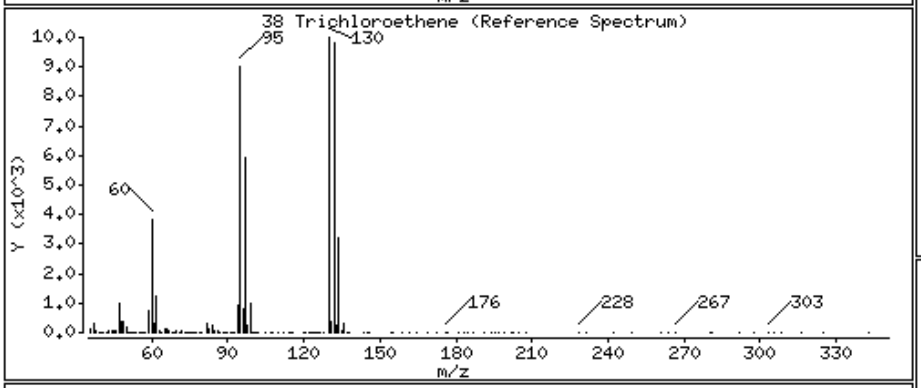
Purge Volume: 5.0 Operator: PC

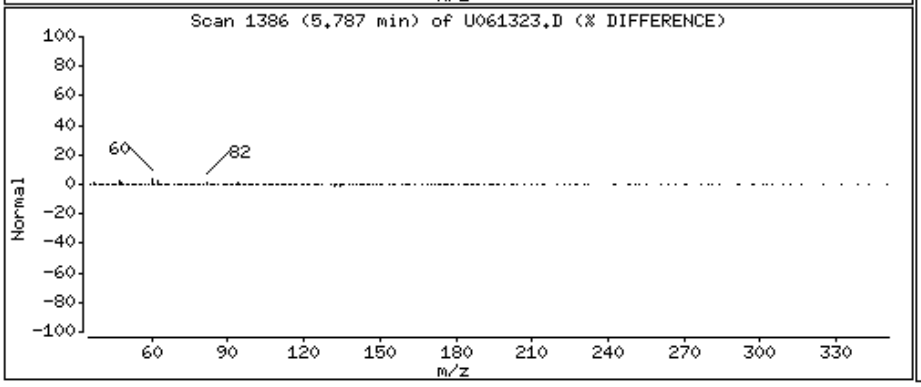
Column phase: DB624 Column diameter: 0.18

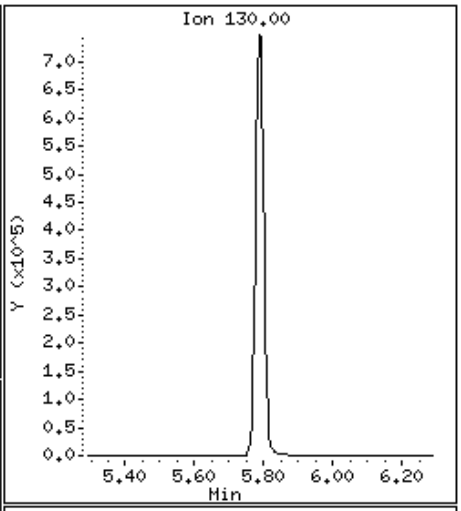
38 Trichloroethene Concentration: 207.38 ug/l

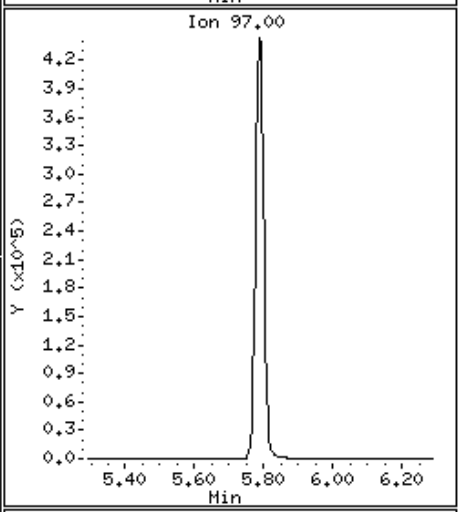


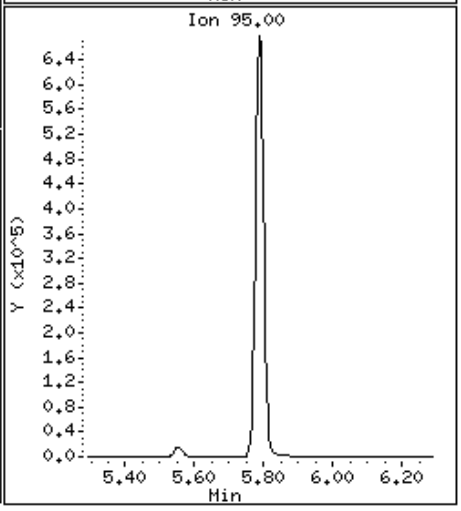












Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061323.D Page 5

Date : 13-JUN-2023 19:56

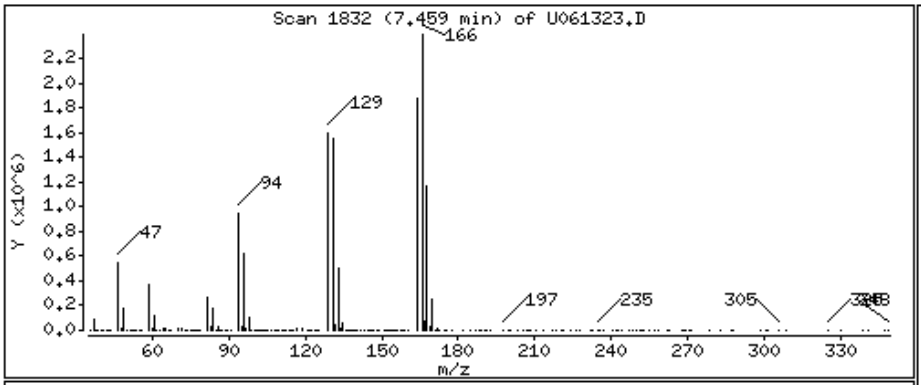
Client ID: HS23060596-05 Instrument: VOA9.i

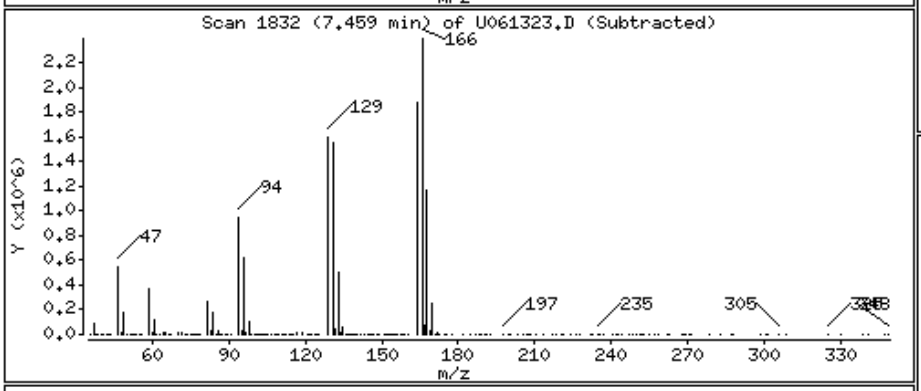
Sample Info: HS23060596-05;HS23060596-05;;;

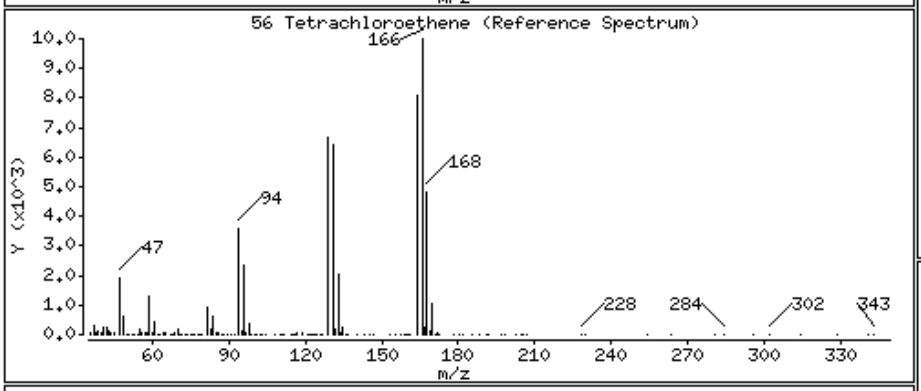
Purge Volume: 5.0 Operator: PC

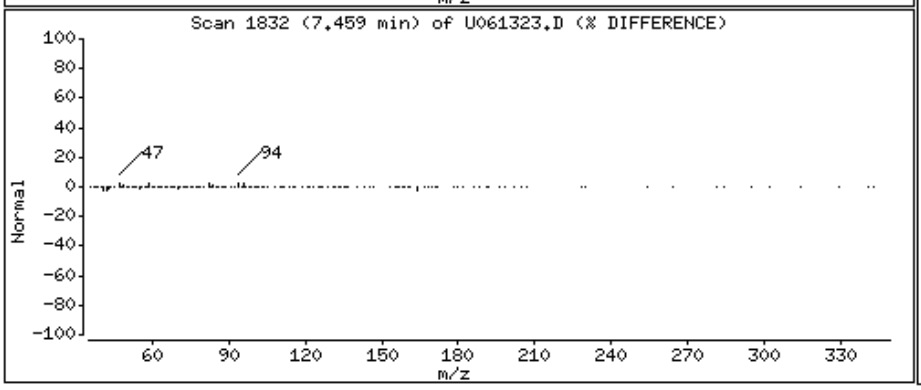
Column phase: DB624 Column diameter: 0.18

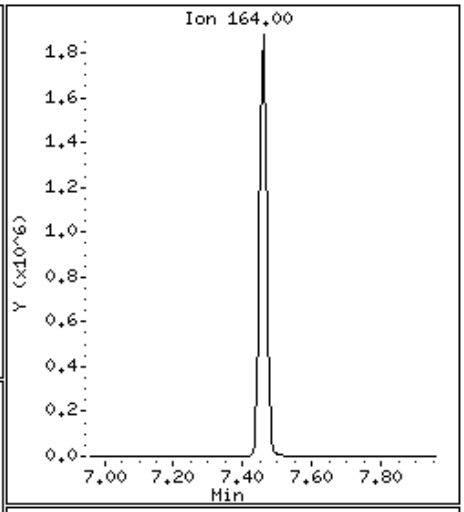
56 Tetrachloroethene Concentration: 542.44 ug/l

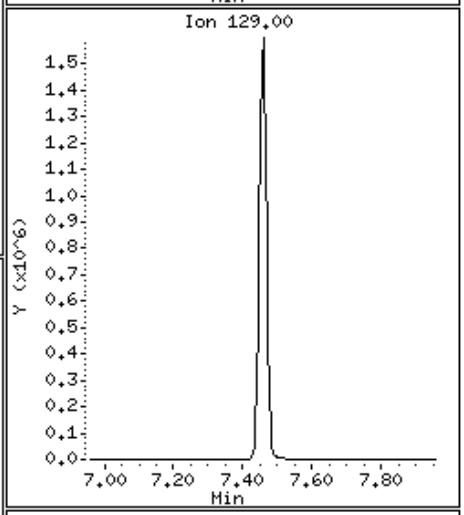


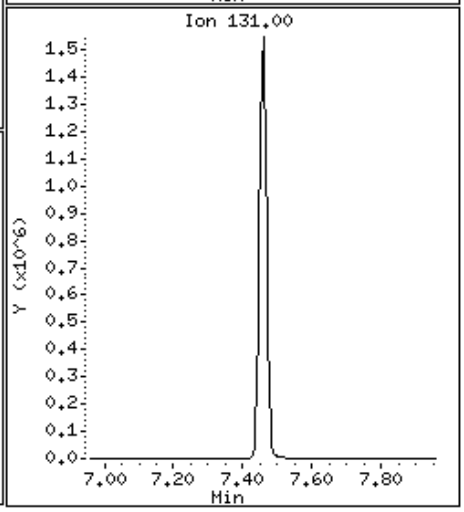












Data File : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061323.D
Inj Date : 13-JUN-2023 19:56
InstruID : VOA9.i
LabSampID : HS23060596-05

NO MANUAL INTEGRATIONS

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061324.D Page 1
Report Date: 15-Jun-2023 11:47

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061324.D
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Inj Date : 13-JUN-2023 20:18
Operator : PC Inst ID: VOA9.i
Smp Info : CCV-END;CCV-END;2;;;
Misc Info : V9;WATER;0;1;
Comment :
Method : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\8260C.m
Meth Date : 15-Jun-2023 11:47 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 13:50 Cal File: U060608.D
Als bottle: 23 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
* 1	Pentafluorobenzene	168	4.815	4.815	(1.000)	539494	50.0000	
2	Dichlorodifluoromethane	85	1.160	1.160	(0.241)	237760	50.0000	47.70
3	Chloromethane	50	1.295	1.295	(0.269)	409594	50.0000	50.34
5	Vinyl Chloride	62	1.374	1.374	(0.285)	282987	50.0000	49.59
6	Bromomethane	94	1.618	1.618	(0.336)	175063	50.0000	60.01
7	Chloroethane	64	1.696	1.696	(0.352)	198025	50.0000	51.51
8	Trichlorofluoromethane	101	1.895	1.895	(0.394)	380431	50.0000	58.04
9	Acrolein	56	2.262	2.262	(0.470)	33345	100.000	116.44
10	Acetone	43	2.405	2.405	(0.499)	202327	100.000	109.72
11	1,1-Dichloroethene	96	2.330	2.330	(0.484)	215686	50.0000	52.66
15	Iodomethane	142	2.465	2.465	(0.512)	263453	100.000	84.17
16	Acrylonitrile	53	3.065	3.065	(0.636)	228119	100.000	114.01
17	Methylene Chloride	84	2.791	2.791	(0.580)	276653	50.0000	56.35
18	Methyl tert-butyl ether	73	3.080	3.080	(0.640)	728003	50.0000	57.97
19	Carbon Disulfide	76	2.517	2.517	(0.523)	1211753	100.000	110.68
20	trans-1,2-Dichloroethene	96	3.057	3.057	(0.635)	239933	50.0000	53.87
21	Vinyl Acetate	43	3.608	3.608	(0.749)	1250919	100.000	92.14
22	1,1-Dichloroethane	63	3.514	3.514	(0.730)	439343	50.0000	51.91
24	2-Butanone	43	4.264	4.264	(0.886)	248297	100.000	100.94
26	2,2-Dichloropropane	77	4.182	4.182	(0.868)	283959	50.0000	50.73

27 cis-1,2-Dichloroethene	96	4.193	4.193 (0.871)	282013	50.0000	52.93
28 Chloroform	83	4.572	4.572 (0.949)	474415	50.0000	53.85

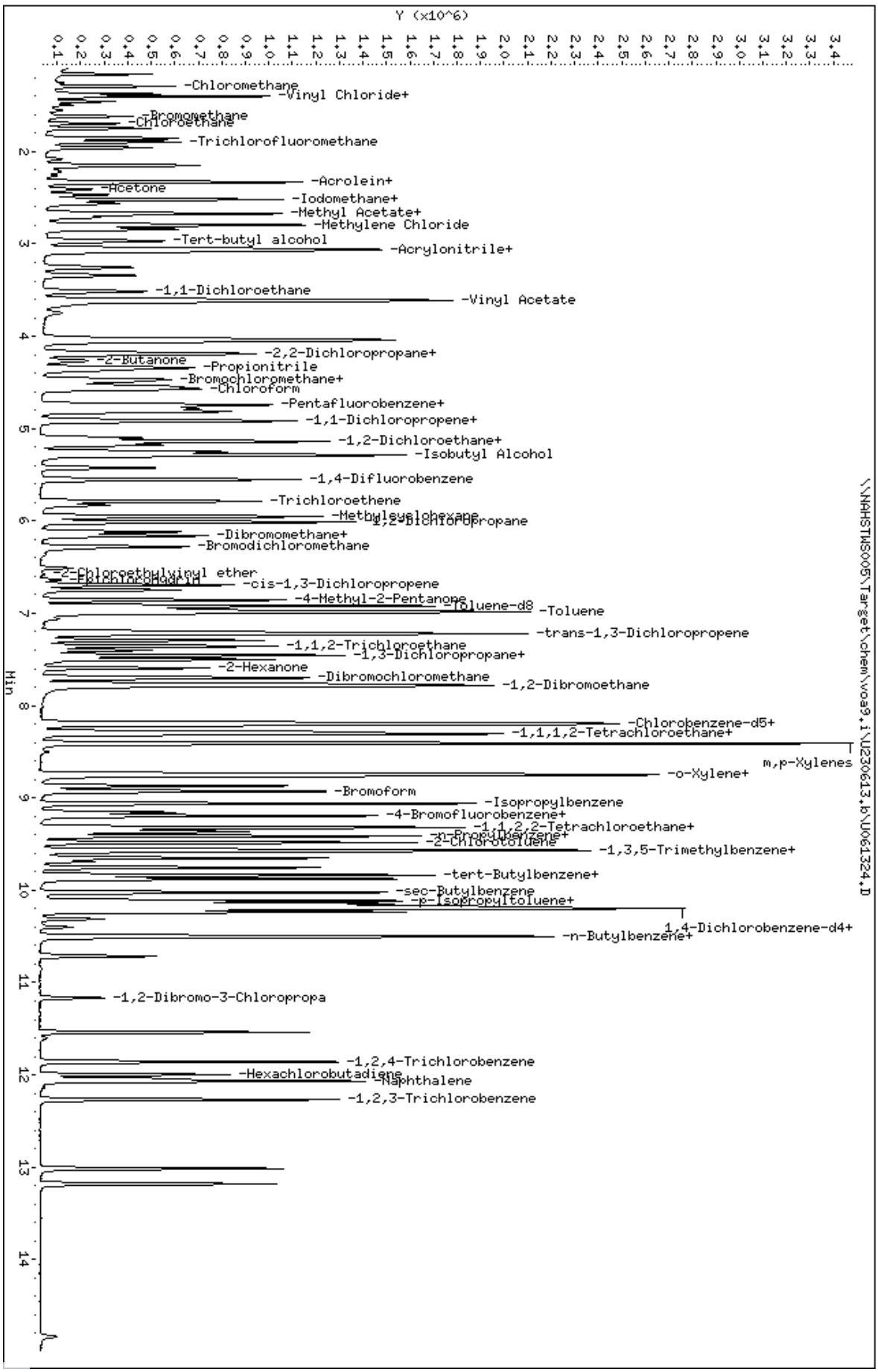
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	29 Bromochloromethane	128	4.467	4.467	(0.928)	153233	50.0000	51.41
$	30 Dibromofluoromethane	113	4.748	4.748	(0.986)	246374	50.0000	54.43
	31 1,1,1-Trichloroethane	97	4.740	4.740	(0.984)	373646	50.0000	55.65
	32 1,1-Dichloropropene	75	4.920	4.920	(0.886)	312320	50.0000	51.06
	33 1,2-Dichloroethane	62	5.175	5.175	(0.932)	395918	50.0000	54.80
	34 Carbon Tetrachloride	117	4.909	4.909	(0.884)	309485	50.0000	55.08
$	35 1,2-Dichloroethane-d4	65	5.096	5.096	(1.058)	289294	50.0000	59.16
*	36 1,4-Difluorobenzene	114	5.554	5.554	(1.000)	834605	50.0000	
	37 Benzene	78	5.138	5.138	(0.925)	1001337	50.0000	49.79
	38 Trichloroethene	130	5.786	5.786	(1.042)	301453	50.0000	51.71
	39 Bromodichloromethane	83	6.277	6.277	(1.130)	345123	50.0000	55.01
	41 2-Chloroethylvinyl ether	63	6.577	6.577	(1.184)	8685	100.000	57.23
	42 1,2-Dichloropropane	63	6.011	6.011	(1.082)	271797	50.0000	50.61
	44 Dibromomethane	93	6.120	6.120	(1.102)	183921	50.0000	53.60
	45 4-Methyl-2-Pentanone	43	6.854	6.854	(0.837)	613993	100.000	103.31
	46 cis-1,3-Dichloropropene	75	6.693	6.693	(1.205)	394904	50.0000	47.10
*	47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	816100	50.0000	
$	48 Toluene-d8	98	6.922	6.922	(0.846)	956039	50.0000	51.75
	50 Toluene	91	6.982	6.982	(0.853)	1146950	50.0000	51.81
	51 trans-1,3-Dichloropropene	75	7.199	7.199	(1.296)	341147	50.0000	48.42
	52 2-Hexanone	43	7.593	7.593	(0.928)	403800	100.000	97.56
	53 1,1,2-Trichloroethane	83	7.357	7.357	(0.899)	229871	50.0000	49.91
	54 1,3-Dichloropropane	76	7.499	7.499	(0.916)	474066	50.0000	50.38
	55 Dibromochloromethane	129	7.694	7.694	(0.940)	309773	50.0000	56.68
	56 Tetrachloroethene	164	7.458	7.458	(0.911)	274022	50.0000	50.81
	57 1,2-Dibromoethane	107	7.784	7.784	(0.951)	290201	50.0000	51.07
	58 1-Chlorohexane	55	8.197	8.197	(1.476)	202518	50.0000	47.25
	59 Chlorobenzene	112	8.208	8.208	(1.003)	780118	50.0000	49.38
	60 1,1,1,2-Tetrachloroethane	131	8.283	8.283	(1.012)	295223	50.0000	54.37
	61 Ethylbenzene	106	8.305	8.305	(1.015)	378754	50.0000	51.51
	62 m,p-Xylenes	106	8.410	8.410	(1.027)	920638	100.000	105.83
	63 o-Xylene	106	8.748	8.748	(1.069)	448021	50.0000	52.13
	64 Styrene	104	8.763	8.763	(1.071)	743015	50.0000	54.48
	66 Bromoform	173	8.920	8.920	(1.090)	203871	50.0000	55.27
	67 Isopropylbenzene	105	9.062	9.062	(1.107)	1093753	50.0000	52.98
	68 1,1,2,2-Tetrachloroethane	83	9.329	9.329	(0.917)	368621	50.0000	45.35
$	69 4-Bromofluorobenzene	95	9.194	9.194	(1.123)	392988	50.0000	54.07
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	432091	50.0000	
	71 1,2,3-Trichloropropane	75	9.362	9.362	(0.920)	344251	50.0000	48.14
	73 n-Propylbenzene	91	9.411	9.411	(0.925)	1157238	50.0000	51.05
	74 Bromobenzene	156	9.317	9.317	(0.916)	355229	50.0000	48.72
	75 1,3,5-Trimethylbenzene	105	9.561	9.561	(0.940)	753616	50.0000	48.46
	76 2-Chlorotoluene	91	9.482	9.482	(0.932)	795837	50.0000	49.95
	77 4-Chlorotoluene	91	9.576	9.576	(0.941)	904666	50.0000	51.29
	78 tert-Butylbenzene	119	9.838	9.838	(0.967)	762607	50.0000	49.93
	79 1,2,4-Trimethylbenzene	105	9.880	9.880	(0.971)	745440	50.0000	45.81
	81 sec-Butylbenzene	105	10.022	10.022	(0.985)	957327	50.0000	49.43
	82 p-Isopropyltoluene	119	10.146	10.146	(0.997)	764584	50.0000	47.12
	83 1,3-Dichlorobenzene	146	10.116	10.116	(0.994)	597009	50.0000	48.21
	84 1,4-Dichlorobenzene	146	10.191	10.191	(1.002)	622689	50.0000	47.16
	87 n-Butylbenzene	91	10.494	10.494	(1.032)	640437	50.0000	46.10
	88 1,2-Dichlorobenzene	146	10.506	10.506	(1.033)	607510	50.0000	48.93

89	1,2-Dibromo-3-Chloropropane	155	11.169	11.169 (1.098)	56812	50.0000	47.90
90	1,2,4-Trichlorobenzene	180	11.859	11.859 (1.166)	391830	50.0000	45.88

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
91	Hexachlorobutadiene	225	11.998	11.998	(1.179)	150521	50.0000	43.64
92	Naphthalene	128	12.065	12.065	(1.186)	988940	50.0000	49.85
93	1,2,3-Trichlorobenzene	180	12.268	12.268	(1.206)	384656	50.0000	46.07
M 94	1,2-Dichloroethylene (total)	96				521946	100.000	(a)
135	1,4-Dioxane	88	6.168	6.168	(1.281)	72501	1000.00	676.79
141	Cyclohexane	56	4.781	4.781	(0.993)	290188	50.0000	43.91
138	Freon TF	101	2.334	2.334	(0.485)	187899	50.0000	51.85
140	1,3-Butadiene	54	1.400	1.400	(0.291)	249291	50.0000	48.79
147	Methylcyclohexane	55	5.947	5.947	(1.071)	604864	50.0000	52.24
146	Methyl Acetate	43	2.712	2.712	(0.563)	248109	50.0000	54.61
148	Tert-Butyl alcohol	59	2.967	2.967	(0.616)	575344	1000.00	1154.99
149	Isopropyl Alcohol	45	2.562	2.562	(0.532)	370009	1000.00	1049.12
72	trans-1,4-Dichloro-2-butene	53	9.377	9.377	(1.146)	48907	50.0000	52.04
12	Isobutyl Alcohol	43	5.288	5.288	(1.098)	923374	1000.00	1317.31
13	Acetonitrile	39	2.671	2.671	(0.555)	348424	500.000	596.52
14	Allyl Chloride	41	2.671	2.671	(0.555)	756248	50.0000	53.99
25	Methacrylonitrile	41	4.497	4.497	(0.934)	178588	50.0000	56.02
40	Methyl Methacrylate	41	6.157	6.157	(1.279)	274471	50.0000	59.17
4	Propionitrile	54	4.339	4.339	(0.901)	430159	500.000	551.78
134	Cyclohexanone	55	9.156	9.156	(0.900)	209933	1000.00	783.68
182	Epichlorohydrin	57	6.633	6.633	(1.194)	10277	200.000	134.29

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).



Data File: \\NAHSTWS005\Target\chem\voa9,i\U230613,b\U061324,D
Date : 13-JUN-2023 20:18
Client ID: CCV-END
Sample Info: CCV-END;CCV-END;2;;;
Purge Volume: 5.0
Column phase: DB624

Instrument: VOA9,i
Operator: PC
Column diameter: 0.18

Data File : \\NAHSTWS005\Target\chem\voa9.i\U230613.b\U061324.D
Inj Date : 13-JUN-2023 20:18
InstruID : VOA9.i
LabSampID : CCV-END

NO MANUAL INTEGRATIONS

01225260

right solutions.
right partner.

Raw Data VOA9 437981

Volatiles by EPA 8260

Workorder

HS23060596

Client

Bhate Environmental Associates, Inc.

Project

LHAAP-58

06/16/2023

ALS Environmental–Houston Laboratory

10450 Stancliff Road, Suite 210, Houston, TX 77099

Phone (281) 530-5656 Fax (281) 530-5887

www.alsglobal.com

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061501.D Page 1
Report Date: 15-Jun-2023 20:58

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061501.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 15-JUN-2023 11:39
Operator : PC Inst ID: VOA9.i
Smp Info : BFB;BFB;3;;BFB
Misc Info : V9;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa9.i\U230615.b\bfb.m
Meth Date : 27-Jan-2023 08:08 apoluri Quant Type: ISTD
Cal Date : 30-MAR-2018 18:09 Cal File: U033003.d
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: NAHSTW7051

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	2.000	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	
9.193	9.180	(0.000)	95	71320			0.00- 100.00	100.00
9.193	9.180	(0.000)	50	13908			15.00- 40.00	19.50
9.193	9.180	(0.000)	75	37032			30.00- 60.00	51.92
9.193	9.180	(0.000)	96	5056			5.00- 9.00	7.09
9.193	9.180	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
9.193	9.180	(0.000)	174	62632			50.00- 0.00	87.82
9.193	9.180	(0.000)	175	5526			5.00- 9.00	8.82
9.193	9.180	(0.000)	176	60640			95.00- 101.00	96.82
9.193	9.180	(0.000)	177	4246			5.00- 9.00	7.00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.50
75	30.00 - 60.00% of mass 95	51.92
96	5.00 - 9.00% of mass 95	7.09
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	87.82
175	5.00 - 9.00% of mass 174	7.75 (8.82)
176	95.00 - 101.00% of mass 174	85.03 (96.82)
177	5.00 - 9.00% of mass 176	5.95 (7.00)

Data File: U061501.D
Spectrum: Scan 2293 (9.19), Background Scan 2289
Location of Maximum: 95.00
Number of points: 135

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.90	772	95.00	71320	145.80	87	210.00	17
37.00	3269	96.00	5056	147.10	61	211.90	94
38.00	2835	101.50	124	147.80	273	213.00	70
46.00	91	102.70	15	150.00	97	222.30	46
46.90	854	103.80	269	151.20	45	224.60	157
47.90	714	105.80	436	152.90	86	227.10	120
49.00	3312	106.70	275	154.70	233	230.50	1
50.00	13908	109.60	351	156.00	107	231.30	52
50.90	3436	110.80	117	156.70	105	233.60	39
57.00	1669	112.40	357	158.60	165	235.80	33
60.10	353	114.70	61	160.20	87	240.10	62
61.00	3224	115.80	118	161.60	151	248.30	52
62.00	3655	117.00	562	163.30	21	249.90	65
63.00	2508	117.80	289	171.80	187	253.70	58
64.00	103	118.80	375	173.90	62632	260.90	52
65.50	22	120.30	175	175.00	5526	263.90	58
68.00	6984	120.70	7	175.90	60640	266.50	68
72.00	482	122.30	83	176.90	4246	267.50	67
73.00	3679	123.40	57	177.80	243	279.70	80
74.00	13897	125.30	35	179.90	80	281.00	24
75.00	37032	127.80	222	182.50	140	282.20	72
76.00	3259	128.90	24	183.10	53	284.60	59
76.90	406	130.40	355	187.50	67	287.00	77
77.90	195	131.00	65	188.60	8	301.60	58
78.90	2196	132.50	67	189.60	83	304.70	64
80.90	2791	133.70	76	191.80	23	318.10	8
81.80	408	134.90	68	193.40	56	318.90	65
86.90	2981	137.60	227	195.30	34	320.50	16
88.00	3133	138.90	92	196.40	60	325.40	77
89.20	199	139.70	69	199.60	159	330.80	58
90.90	269	140.90	795	201.60	91	334.40	54
92.00	2101	142.90	797	204.30	29	338.70	92
92.90	3137	143.70	91	206.30	151	349.30	89
94.00	8864	144.80	60	208.80	3		

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061501.D Page 1

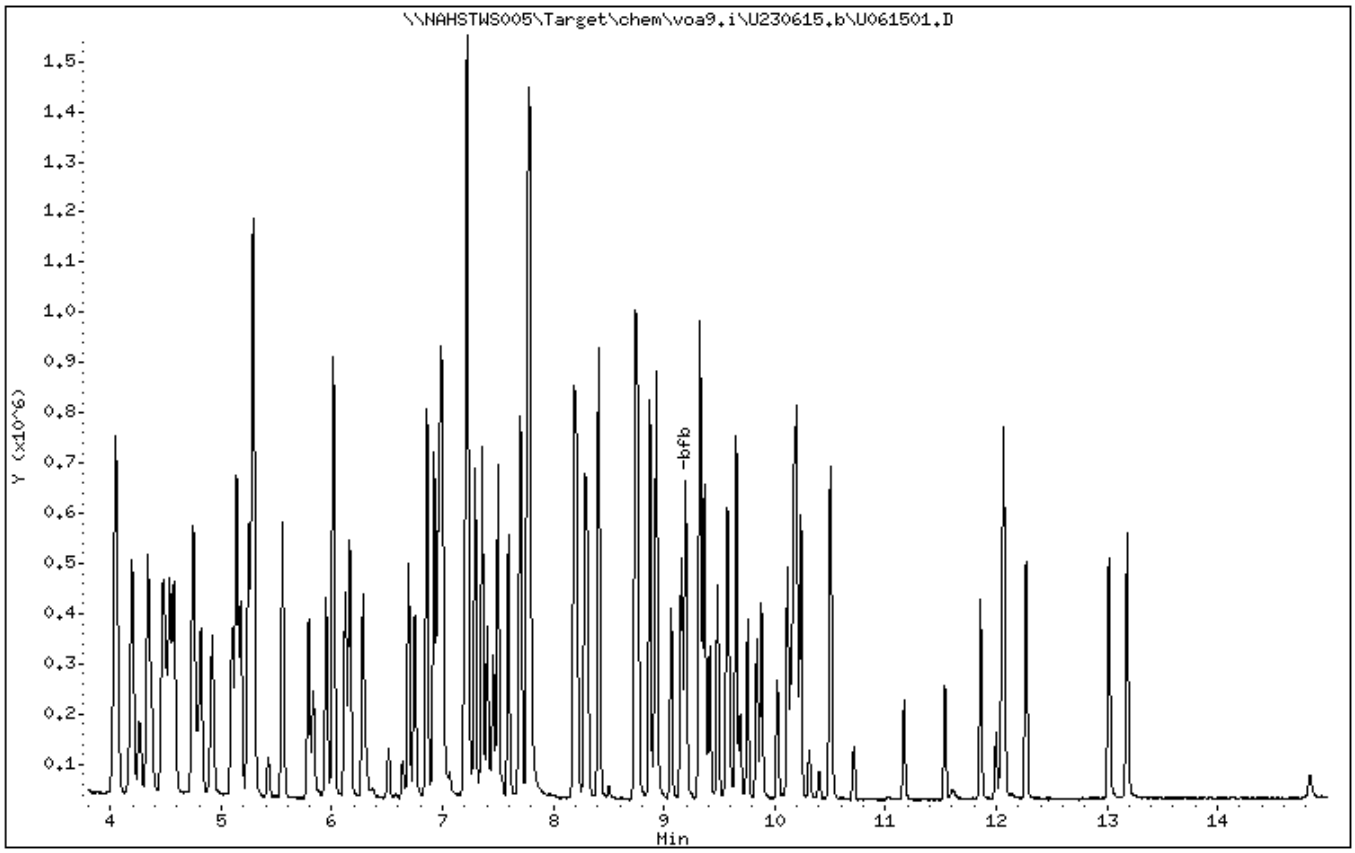
Date : 15-JUN-2023 11:39

Client ID: BFB Instrument: VOA9.i

Sample Info: BFB;BFB;3;;BFB

Volume Injected (uL): 2.0 Operator: PC

Column phase: DB624 Column diameter: 0.25



Data File: \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061501.D Page 2

Date : 15-JUN-2023 11:39

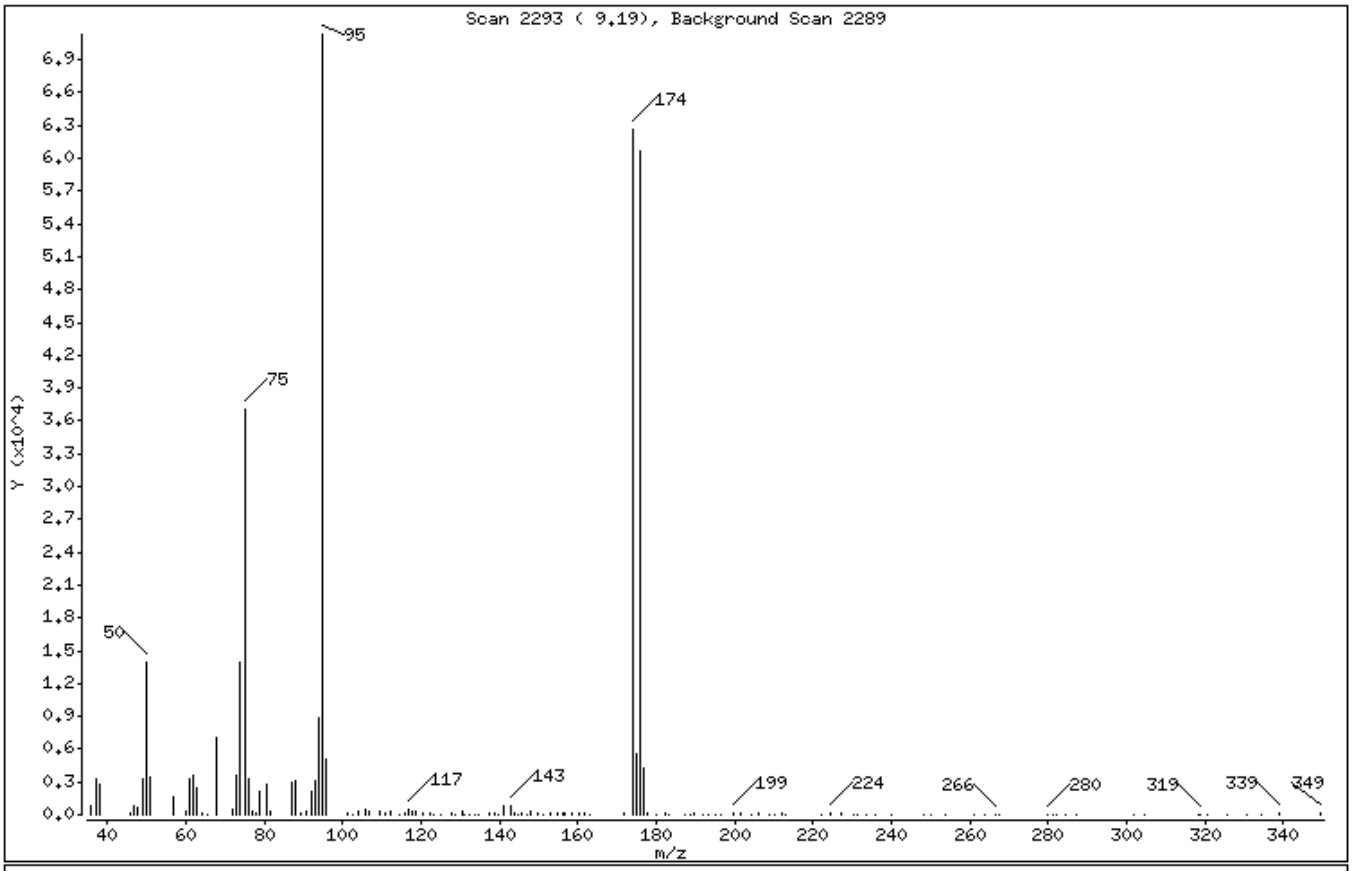
Client ID: BFB Instrument: VOA9.i

Sample Info: BFB;BFB;3;;BFB

Volume Injected (uL): 2.0 Operator: PC

Column phase: DB624 Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.50
75	30.00 - 60.00% of mass 95	51.92
96	5.00 - 9.00% of mass 95	7.09
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	87.82
175	5.00 - 9.00% of mass 174	7.75 (8.82)
176	95.00 - 101.00% of mass 174	85.03 (96.82)
177	5.00 - 9.00% of mass 176	5.95 (7.00)

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061501.D

Date : 15-JUN-2023 11:39

Client ID: BFB

Instrument: VOA9.i

Sample Info: BFB;BFB;3;;BFB

Volume Injected (uL): 2.0

Operator: PC

Column phase: DB624

Column diameter: 0.25

Data File: U061501.D
Spectrum: Scan 2293 (9.19), Background Scan 2289
Location of Maximum: 95.00
Number of points: 135

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.90	772	95.00	71320	145.80	87	210.00	17
37.00	3269	96.00	5056	147.10	61	211.90	94
38.00	2835	101.50	124	147.80	273	213.00	70
46.00	91	102.70	15	150.00	97	222.30	46
46.90	854	103.80	269	151.20	45	224.60	157
47.90	714	105.80	436	152.90	86	227.10	120
49.00	3312	106.70	275	154.70	233	230.50	1
50.00	13908	109.60	351	156.00	107	231.30	52
50.90	3436	110.80	117	156.70	105	233.60	39
57.00	1669	112.40	357	158.60	165	235.80	33
60.10	353	114.70	61	160.20	87	240.10	62
61.00	3224	115.80	118	161.60	151	248.30	52
62.00	3655	117.00	562	163.30	21	249.90	65
63.00	2508	117.80	289	171.80	187	253.70	58
64.00	103	118.80	375	173.90	62632	260.90	52
65.50	22	120.30	175	175.00	5526	263.90	58
68.00	6984	120.70	7	175.90	60640	266.50	68
72.00	482	122.30	83	176.90	4246	267.50	67
73.00	3679	123.40	57	177.80	243	279.70	80
74.00	13897	125.30	35	179.90	80	281.00	24
75.00	37032	127.80	222	182.50	140	282.20	72
76.00	3259	128.90	24	183.10	53	284.60	59
76.90	406	130.40	355	187.50	67	287.00	77
77.90	195	131.00	65	188.60	8	301.60	58
78.90	2196	132.50	67	189.60	83	304.70	64
80.90	2791	133.70	76	191.80	23	318.10	8
81.80	408	134.90	68	193.40	56	318.90	65
86.90	2981	137.60	227	195.30	34	320.50	16
88.00	3133	138.90	92	196.40	60	325.40	77
89.20	199	139.70	69	199.60	159	330.80	58
90.90	269	140.90	795	201.60	91	334.40	54
92.00	2101	142.90	797	204.30	29	338.70	92
92.90	3137	143.70	91	206.30	151	349.30	89
94.00	8864	144.80	60	208.80	3		

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061502.D Page 1
Report Date: 16-Jun-2023 13:08

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061502.D
Lab Smp Id: CCV Client Smp ID: CCV
Inj Date : 15-JUN-2023 12:04
Operator : PC Inst ID: VOA9.i
Smp Info : CCV;CCV;2;;;
Misc Info : V9;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa9.i\U230615.b\8260C.m
Meth Date : 16-Jun-2023 13:08 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 13:50 Cal File: U060608.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
* 1	Pentafluorobenzene	168	4.812	4.812	(1.000)	504252	50.0000	
2	Dichlorodifluoromethane	85	1.160	1.160	(0.241)	230852	50.0000	49.55
3	Chloromethane	50	1.295	1.295	(0.269)	329366	50.0000	43.12
5	Vinyl Chloride	62	1.374	1.374	(0.286)	248668	50.0000	46.62
6	Bromomethane	94	1.618	1.618	(0.336)	158649	50.0000	58.13
7	Chloroethane	64	1.696	1.696	(0.353)	165899	50.0000	46.17
8	Trichlorofluoromethane	101	1.895	1.895	(0.394)	361729	50.0000	59.04
9	Acrolein	56	2.262	2.262	(0.470)	24659	100.000	92.13
10	Acetone	43	2.405	2.405	(0.500)	173364	100.000	100.11
11	1,1-Dichloroethene	96	2.330	2.330	(0.484)	189859	50.0000	49.60
15	Iodomethane	142	2.465	2.465	(0.512)	288238	100.000	96.22
16	Acrylonitrile	53	3.061	3.061	(0.636)	186360	100.000	99.65
17	Methylene Chloride	84	2.791	2.791	(0.580)	238121	50.0000	51.81
18	Methyl tert-butyl ether	73	3.076	3.076	(0.639)	614261	50.0000	52.33
19	Carbon Disulfide	76	2.517	2.517	(0.523)	1051246	100.000	102.73
20	trans-1,2-Dichloroethene	96	3.057	3.057	(0.635)	213038	50.0000	51.17
21	Vinyl Acetate	43	3.605	3.605	(0.749)	1371181	100.000	108.06
22	1,1-Dichloroethane	63	3.511	3.511	(0.730)	382335	50.0000	48.33
24	2-Butanone	43	4.261	4.261	(0.885)	211919	100.000	92.17
26	2,2-Dichloropropane	77	4.182	4.182	(0.869)	305262	50.0000	58.29

27 cis-1,2-Dichloroethene	96	4.193	4.193 (0.871)	245955	50.0000	49.39
28 Chloroform	83	4.572	4.572 (0.950)	424154	50.0000	51.51

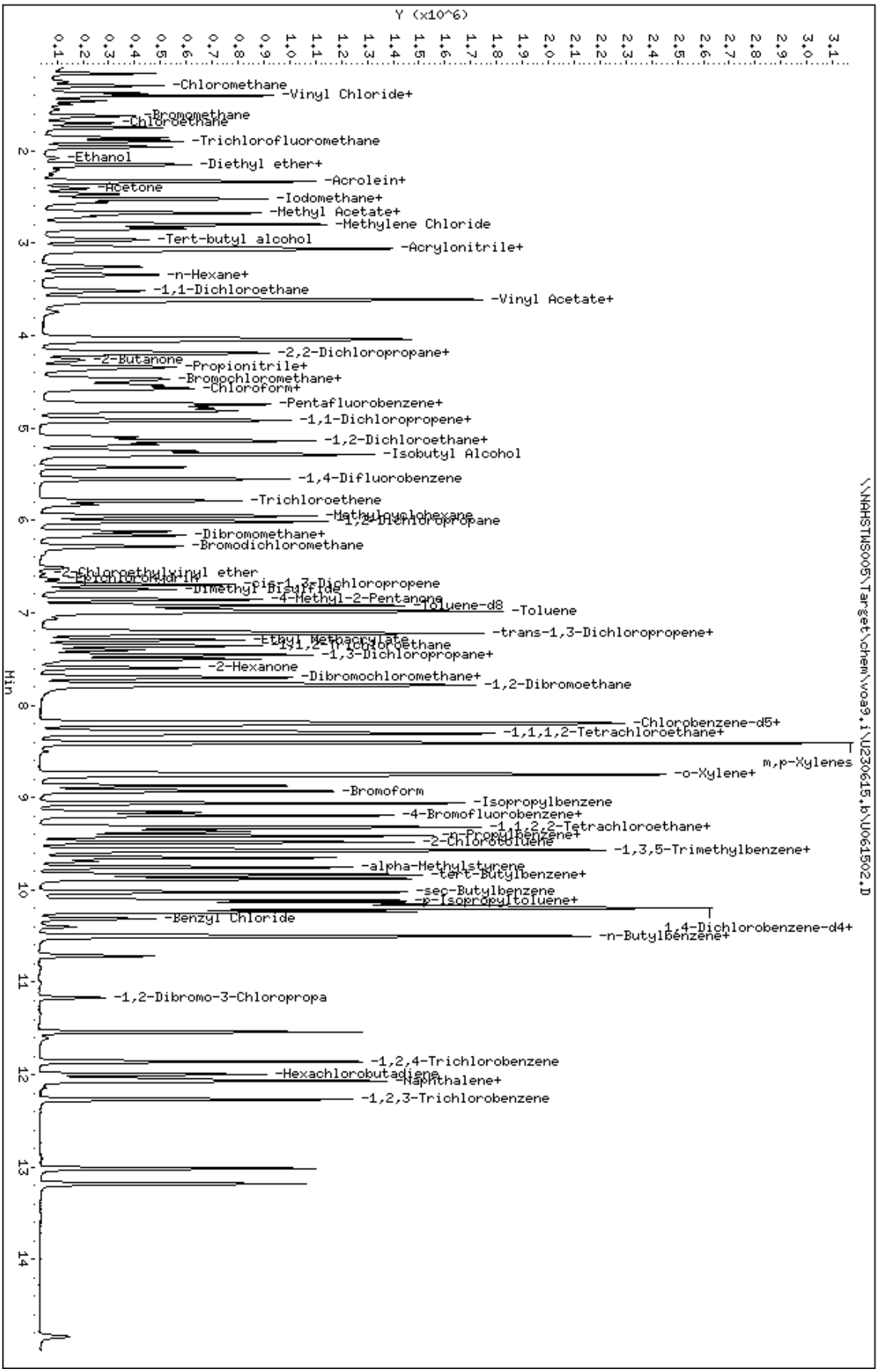
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	29 Bromochloromethane	128	4.467	4.467	(0.928)	130441	50.0000	46.82
$	30 Dibromofluoromethane	113	4.748	4.748	(0.987)	218621	50.0000	51.66
	31 1,1,1-Trichloroethane	97	4.740	4.740	(0.985)	334729	50.0000	53.34
	32 1,1-Dichloropropene	75	4.920	4.920	(0.886)	280375	50.0000	52.40
	33 1,2-Dichloroethane	62	5.175	5.175	(0.932)	354472	50.0000	56.09
	34 Carbon Tetrachloride	117	4.909	4.909	(0.884)	271578	50.0000	55.25
$	35 1,2-Dichloroethane-d4	65	5.096	5.096	(1.059)	250953	50.0000	54.86
*	36 1,4-Difluorobenzene	114	5.554	5.554	(1.000)	730056	50.0000	
	37 Benzene	78	5.138	5.138	(0.925)	859292	50.0000	48.84
	38 Trichloroethene	130	5.786	5.786	(1.042)	243461	50.0000	47.74
	39 Bromodichloromethane	83	6.277	6.277	(1.130)	306092	50.0000	55.77
	41 2-Chloroethylvinyl ether	63	6.577	6.577	(1.184)	8463	100.000	63.76
	42 1,2-Dichloropropane	63	6.011	6.011	(1.082)	231220	50.0000	49.22
	44 Dibromomethane	93	6.120	6.120	(1.102)	155338	50.0000	51.75
	45 4-Methyl-2-Pentanone	43	6.858	6.858	(0.838)	513665	100.000	96.50
	46 cis-1,3-Dichloropropene	75	6.693	6.693	(1.205)	354636	50.0000	48.30
*	47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	730955	50.0000	
$	48 Toluene-d8	98	6.922	6.922	(0.846)	809683	50.0000	48.94
	50 Toluene	91	6.982	6.982	(0.853)	972340	50.0000	49.04
	51 trans-1,3-Dichloropropene	75	7.196	7.196	(1.296)	304765	50.0000	49.41
	52 2-Hexanone	43	7.593	7.593	(0.928)	353603	100.000	95.38
	53 1,1,2-Trichloroethane	83	7.357	7.357	(0.899)	195804	50.0000	47.46
	54 1,3-Dichloropropane	76	7.499	7.499	(0.916)	406624	50.0000	48.24
	55 Dibromochloromethane	129	7.694	7.694	(0.940)	266719	50.0000	54.49
	56 Tetrachloroethene	164	7.458	7.458	(0.911)	219816	50.0000	45.50
	57 1,2-Dibromoethane	107	7.784	7.784	(0.951)	249667	50.0000	49.06
	58 1-Chlorohexane	55	8.197	8.197	(1.476)	188599	50.0000	50.30
	59 Chlorobenzene	112	8.208	8.208	(1.003)	694406	50.0000	49.07
	60 1,1,1,2-Tetrachloroethane	131	8.283	8.283	(1.012)	255302	50.0000	52.49
	61 Ethylbenzene	106	8.305	8.305	(1.015)	328768	50.0000	49.92
	62 m,p-Xylenes	106	8.410	8.410	(1.027)	816806	100.000	104.83
	63 o-Xylene	106	8.748	8.748	(1.069)	401652	50.0000	52.18
	64 Styrene	104	8.763	8.763	(1.071)	706255	50.0000	57.81
	66 Bromoform	173	8.920	8.920	(1.090)	187457	50.0000	56.74
	67 Isopropylbenzene	105	9.063	9.063	(1.107)	969963	50.0000	52.46
	68 1,1,2,2-Tetrachloroethane	83	9.329	9.329	(0.917)	347555	50.0000	44.07
$	69 4-Bromofluorobenzene	95	9.194	9.194	(1.123)	370698	50.0000	56.99
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	419252	50.0000	
	71 1,2,3-Trichloropropane	75	9.362	9.362	(0.920)	325226	50.0000	46.87
	73 n-Propylbenzene	91	9.411	9.411	(0.925)	1066238	50.0000	48.48
	74 Bromobenzene	156	9.318	9.318	(0.916)	322220	50.0000	45.55
	75 1,3,5-Trimethylbenzene	105	9.561	9.561	(0.940)	699068	50.0000	46.33
	76 2-Chlorotoluene	91	9.482	9.482	(0.932)	724920	50.0000	46.89
	77 4-Chlorotoluene	91	9.576	9.576	(0.941)	839484	50.0000	49.05
	78 tert-Butylbenzene	119	9.839	9.839	(0.967)	684398	50.0000	46.18
	79 1,2,4-Trimethylbenzene	105	9.880	9.880	(0.971)	707216	50.0000	44.80
	81 sec-Butylbenzene	105	10.022	10.022	(0.985)	890590	50.0000	47.39
	82 p-Isopropyltoluene	119	10.146	10.146	(0.997)	753328	50.0000	47.85
	83 1,3-Dichlorobenzene	146	10.116	10.116	(0.994)	547302	50.0000	45.55
	84 1,4-Dichlorobenzene	146	10.191	10.191	(1.002)	584483	50.0000	45.62
	87 n-Butylbenzene	91	10.495	10.495	(1.032)	638350	50.0000	47.36
	88 1,2-Dichlorobenzene	146	10.506	10.506	(1.033)	559011	50.0000	46.40

89	1,2-Dibromo-3-Chloropropane	155	11.169	11.169 (1.098)	52992	50.0000	46.04
90	1,2,4-Trichlorobenzene	180	11.859	11.859 (1.166)	373340	50.0000	45.05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
91	Hexachlorobutadiene	225	11.998	11.998	(1.179)	161204	50.0000	48.17
92	Naphthalene	128	12.069	12.069	(1.186)	942870	50.0000	48.98
93	1,2,3-Trichlorobenzene	180	12.268	12.268	(1.206)	367599	50.0000	45.38
M 94	1,2-Dichloroethylene (total)	96				458993	100.000	(a)
135	1,4-Dioxane	88	6.169	6.169	(1.282)	54048	1000.00	539.80
141	Cyclohexane	56	4.782	4.782	(0.994)	285152	50.0000	46.10
138	Freon TF	101	2.334	2.334	(0.485)	184344	50.0000	54.43
140	1,3-Butadiene	54	1.400	1.400	(0.291)	232312	50.0000	48.64
147	Methylcyclohexane	55	5.947	5.947	(1.071)	518087	50.0000	51.15
146	Methyl Acetate	43	2.709	2.709	(0.563)	201500	50.0000	47.45
148	Tert-Butyl alcohol	59	2.960	2.960	(0.615)	452177	1000.00	970.38
149	Isopropyl Alcohol	45	2.559	2.559	(0.532)	282801	1000.00	857.89
72	trans-1,4-Dichloro-2-butene	53	9.377	9.377	(1.146)	48822	50.0000	58.00(M)
12	Isobutyl Alcohol	43	5.288	5.288	(1.099)	764985	1000.00	1167.62
13	Acetonitrile	39	2.667	2.667	(0.554)	303484	500.000	555.89
14	Allyl Chloride	41	2.671	2.671	(0.555)	622754	50.0000	47.56
25	Methacrylonitrile	41	4.493	4.493	(0.934)	143255	50.0000	48.08
40	Methyl Methacrylate	41	6.157	6.157	(1.280)	216934	50.0000	50.03
4	Propionitrile	54	4.335	4.335	(0.901)	334101	500.000	458.51
136	n-Hexane	57	3.342	3.342	(0.695)	218242	50.0000	51.72
131	Methyl Acrylate	55	4.365	4.365	(0.907)	267067	50.0000	50.07
23	Chloroprene	53	2.154	2.154	(0.448)	85206	50.0000	52.97(M)
49	Ethyl Methacrylate	69	7.293	7.293	(1.313)	335776	50.0000	52.46
166	1,2,3-Trimethylbenzene	105	10.236	10.236	(1.006)	743711	50.0000	46.14

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.



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Client ID: CCV
Sample Info: CCV;CCV;2;;;
Purge Volume: 5.0
Column phase: DB624

Instrument: VOA9,i
Operator: PC
Column diameter: 0.18

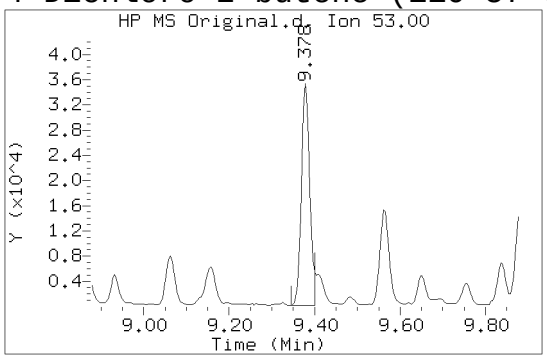
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InstruID : VOA9.i
LabSampID : CCV

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

Reason Code:

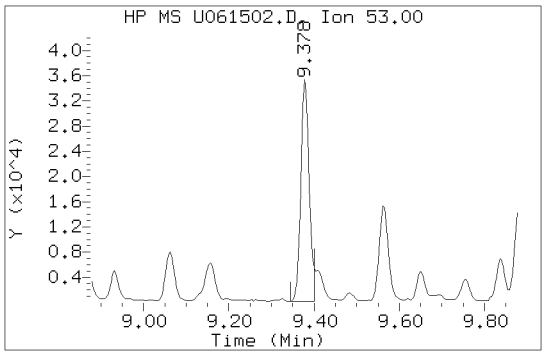
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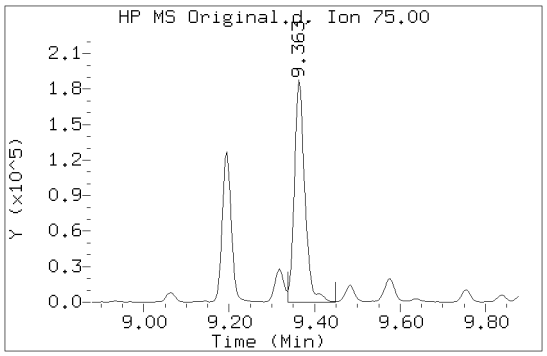
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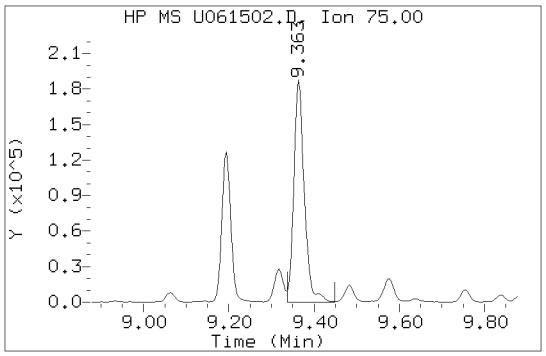
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AFTER

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16-Jun-2023
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linh
pham

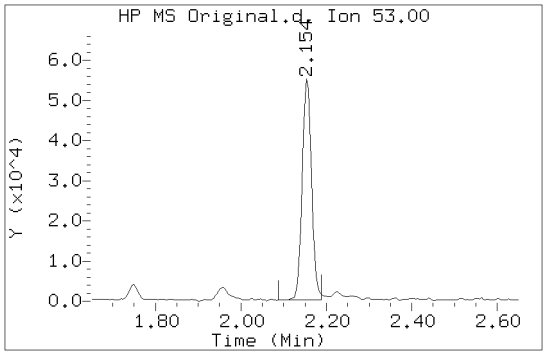


Chloroprene (126-99-8)

Reason Code:

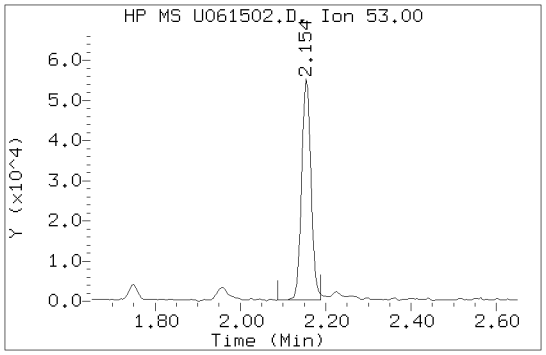
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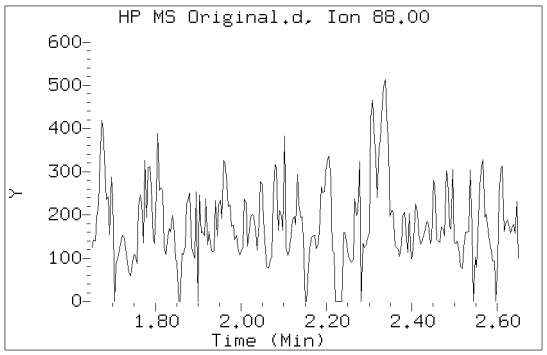
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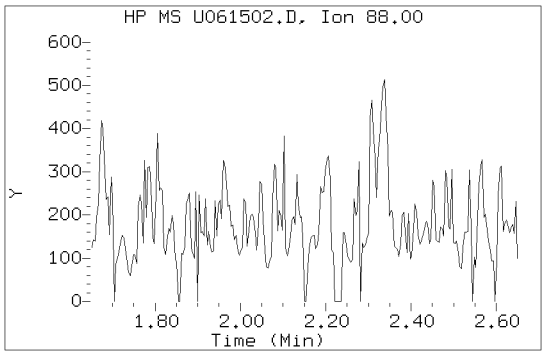
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AFTER

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16-Jun-2023
13:07
linh
pham



Data File: \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061504.D Page 1
Report Date: 16-Jun-2023 13:08

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061504.D
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Misc Info : V9;WATER;0;1;
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Meth Date : 16-Jun-2023 13:08 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 13:50 Cal File: U060608.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.815	4.812	(1.000)	572332	50.0000	
$ 30 Dibromofluoromethane	113	4.748	4.748	(0.986)	236363	49.1969	49.19
$ 35 1,2-Dichloroethane-d4	65	5.100	5.096	(1.059)	286437	55.1734	55.17
* 36 1,4-Difluorobenzene	114	5.554	5.554	(1.000)	782643	50.0000	
* 47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	705271	50.0000	
$ 48 Toluene-d8	98	6.922	6.922	(0.846)	892814	55.9326	55.93
$ 69 4-Bromofluorobenzene	95	9.194	9.194	(1.123)	307758	48.9150	48.91
* 70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	349343	50.0000	

01225275

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061504.D

Page 1

Date : 15-JUN-2023 12:48

Client ID: CCB

Instrument: VOA9.i

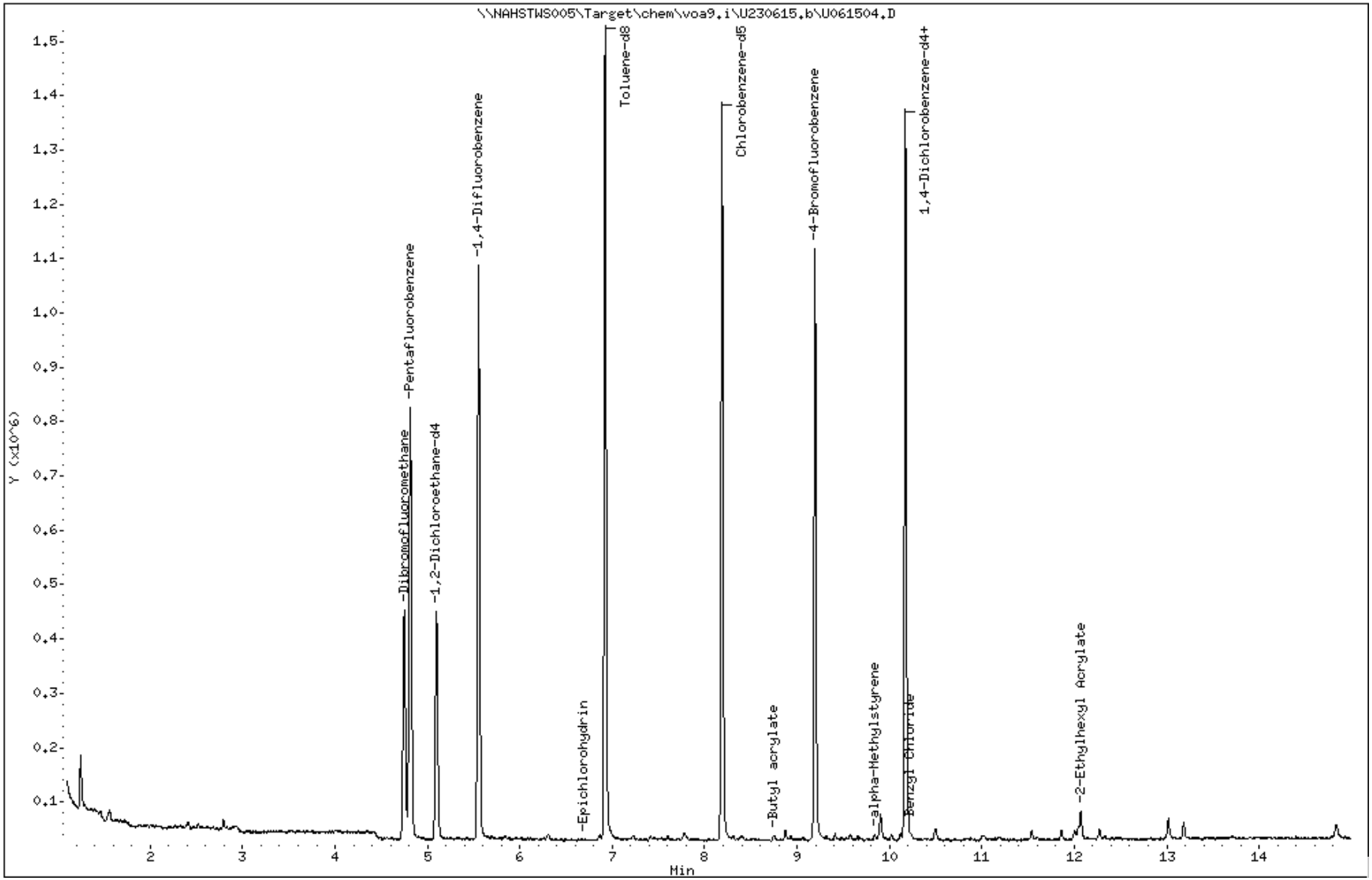
Sample Info: CCB;CCB;;;

Purge Volume: 5.0

Operator: PC

Column phase: DB624

Column diameter: 0.18



Data File : \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061504.D
Inj Date : 15-JUN-2023 12:48
InstruID : VOA9.i
LabSampID : CCB

NO MANUAL INTEGRATIONS

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061505.D Page 1
Report Date: 16-Jun-2023 13:08

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061505.D
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Misc Info : V9;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa9.i\U230615.b\8260C.m
Meth Date : 16-Jun-2023 13:08 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 13:50 Cal File: U060608.D
Als bottle: 5 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.812	4.812	(1.000)	507694	50.0000	
2 Dichlorodifluoromethane	85	1.157	1.160	(0.240)	88258	18.8650	18.86
3 Chloromethane	50	1.288	1.295	(0.268)	144430	18.0220	18.02
5 Vinyl Chloride	62	1.370	1.374	(0.285)	98545	18.3506	18.35
6 Bromomethane	94	1.614	1.618	(0.336)	67004	23.3188	23.31
7 Chloroethane	64	1.693	1.696	(0.352)	69386	19.1809	19.18
8 Trichlorofluoromethane	101	1.888	1.895	(0.392)	135869	22.0292	22.02
9 Acrolein	56	2.259	2.262	(0.469)	9991	37.0758	37.07
10 Acetone	43	2.401	2.405	(0.499)	94053	51.3121	51.31(M)
11 1,1-Dichloroethene	96	2.326	2.330	(0.484)	74943	19.4470	19.44
15 Iodomethane	142	2.461	2.465	(0.512)	97593	39.8510	39.85
16 Acrylonitrile	53	3.061	3.061	(0.636)	77265	41.0379	41.03
17 Methylene Chloride	84	2.787	2.791	(0.579)	102418	21.5479	21.54
18 Methyl tert-butyl ether	73	3.072	3.076	(0.639)	254376	21.5252	21.52
19 Carbon Disulfide	76	2.514	2.517	(0.522)	408839	39.6844	39.68
20 trans-1,2-Dichloroethene	96	3.053	3.057	(0.635)	84596	20.1852	20.18
21 Vinyl Acetate	43	3.601	3.605	(0.748)	537488	42.0720	42.07
22 1,1-Dichloroethane	63	3.507	3.511	(0.729)	153986	19.3338	19.33
24 2-Butanone	43	4.261	4.261	(0.885)	92008	39.7487	39.74
26 2,2-Dichloropropane	77	4.178	4.182	(0.868)	117233	22.4838	22.48

27	cis-1,2-Dichloroethene	96	4.189	4.193 (0.871)	97197	19.3858	19.38
28	Chloroform	83	4.568	4.572 (0.949)	163523	19.7266	19.72

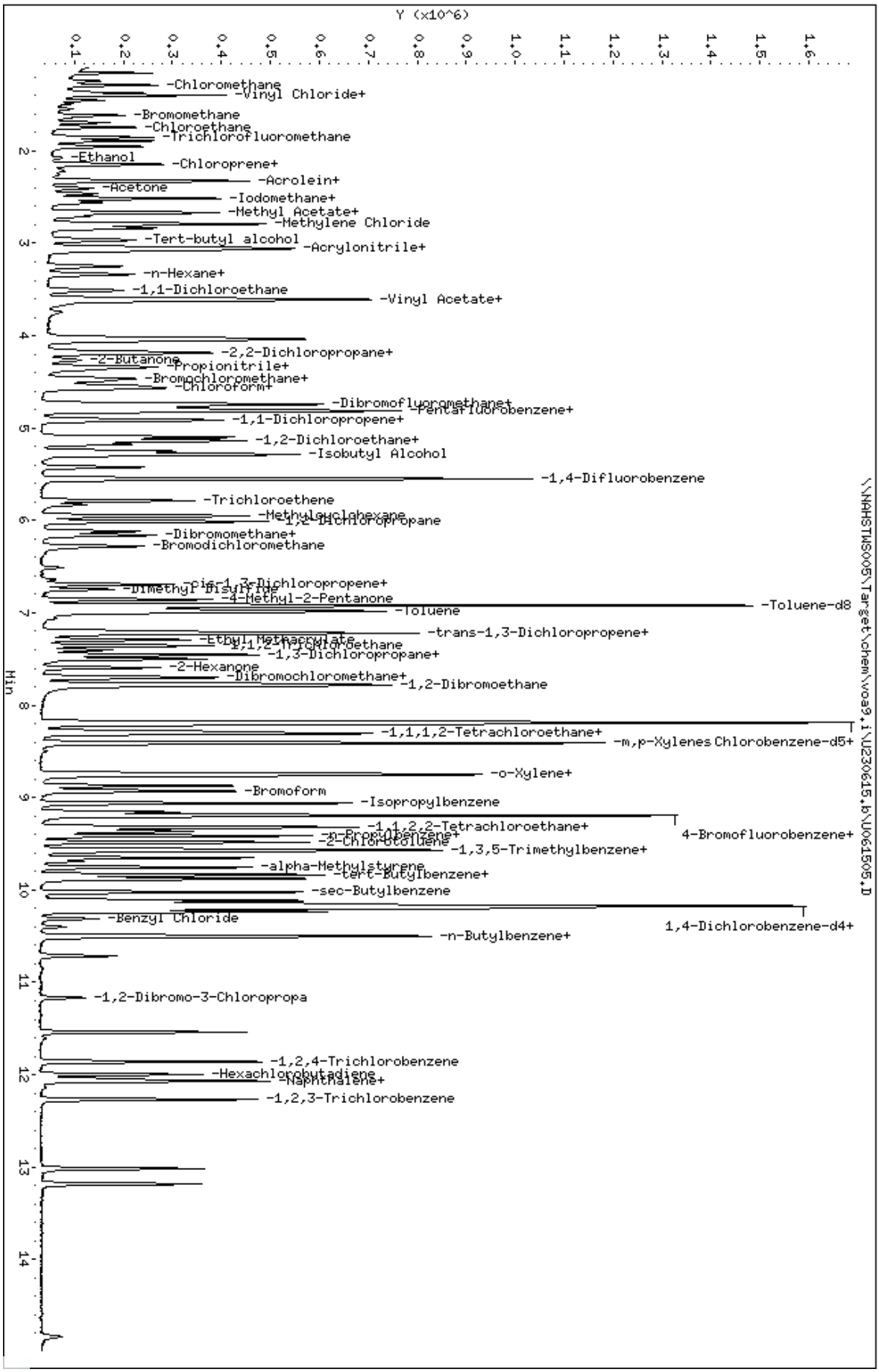
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	29 Bromochloromethane	128	4.463	4.467	(0.928)	53949	19.2360	19.23
$	30 Dibromofluoromethane	113	4.744	4.748	(0.986)	226276	53.1187	53.11
	31 1,1,1-Trichloroethane	97	4.737	4.740	(0.984)	127367	20.1594	20.15
	32 1,1-Dichloropropene	75	4.917	4.920	(0.886)	108601	19.8777	19.87
	33 1,2-Dichloroethane	62	5.175	5.175	(0.932)	141037	21.8583	21.85
	34 Carbon Tetrachloride	117	4.909	4.909	(0.885)	103922	20.7076	20.70
$	35 1,2-Dichloroethane-d4	65	5.097	5.096	(1.059)	260666	56.6195	56.61
*	36 1,4-Difluorobenzene	114	5.550	5.554	(1.000)	745484	50.0000	
	37 Benzene	78	5.134	5.138	(0.925)	343282	19.1099	19.10
	38 Trichloroethene	130	5.786	5.786	(1.043)	98317	18.8831	18.88
	39 Bromodichloromethane	83	6.277	6.277	(1.131)	116705	20.8272	20.82
	42 1,2-Dichloropropane	63	6.011	6.011	(1.083)	93006	19.3912	19.39
	44 Dibromomethane	93	6.120	6.120	(1.103)	61855	20.1839	20.18
	45 4-Methyl-2-Pentanone	43	6.855	6.858	(0.837)	206000	39.1672	39.16
	46 cis-1,3-Dichloropropene	75	6.690	6.693	(1.205)	130592	18.6418	18.64
*	47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	722251	50.0000	
$	48 Toluene-d8	98	6.922	6.922	(0.846)	844622	51.6695	51.66
	50 Toluene	91	6.978	6.982	(0.853)	391969	20.0094	20.00
	51 trans-1,3-Dichloropropene	75	7.196	7.196	(1.296)	109398	18.6808	18.68
	52 2-Hexanone	43	7.593	7.593	(0.928)	144877	39.5537	39.55
	53 1,1,2-Trichloroethane	83	7.357	7.357	(0.899)	81595	20.0187	20.01
	54 1,3-Dichloropropane	76	7.499	7.499	(0.916)	158045	18.9786	18.97
	55 Dibromochloromethane	129	7.691	7.694	(0.940)	98753	20.4197	20.41
	56 Tetrachloroethene	164	7.454	7.458	(0.911)	92739	19.4310	19.43
	57 1,2-Dibromoethane	107	7.784	7.784	(0.951)	99435	19.7762	19.77
	58 1-Chlorohexane	55	8.197	8.197	(1.477)	78649	20.5459	20.54
	59 Chlorobenzene	112	8.208	8.208	(1.003)	277035	19.8154	19.81
	60 1,1,1,2-Tetrachloroethane	131	8.283	8.283	(1.012)	98789	20.5588	20.55
	61 Ethylbenzene	106	8.305	8.305	(1.015)	128009	19.6722	19.67
	62 m,p-Xylenes	106	8.410	8.410	(1.027)	311711	40.4890	40.48
	63 o-Xylene	106	8.748	8.748	(1.069)	150314	19.7639	19.76
	64 Styrene	104	8.763	8.763	(1.071)	256249	21.2308	21.23
	66 Bromoform	173	8.920	8.920	(1.090)	65361	20.0223	20.02
	67 Isopropylbenzene	105	9.063	9.063	(1.107)	373424	20.4419	20.44
	68 1,1,2,2-Tetrachloroethane	83	9.329	9.329	(0.917)	134245	18.5656	18.56
$	69 4-Bromofluorobenzene	95	9.194	9.194	(1.123)	357985	55.6835	55.68
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	384410	50.0000	
	71 1,2,3-Trichloropropane	75	9.363	9.362	(0.920)	120348	18.9190	18.91
	73 n-Propylbenzene	91	9.411	9.411	(0.925)	394545	19.5673	19.56
	74 Bromobenzene	156	9.318	9.318	(0.916)	122531	18.8915	18.89
	75 1,3,5-Trimethylbenzene	105	9.561	9.561	(0.940)	264774	19.1406	19.14
	76 2-Chlorotoluene	91	9.482	9.482	(0.932)	280737	19.8061	19.80
	77 4-Chlorotoluene	91	9.576	9.576	(0.941)	321256	20.4760	20.47
	78 tert-Butylbenzene	119	9.839	9.839	(0.967)	262356	19.3102	19.31
	79 1,2,4-Trimethylbenzene	105	9.880	9.880	(0.971)	283247	19.5695	19.56
	81 sec-Butylbenzene	105	10.022	10.022	(0.985)	336922	19.5544	19.55
	82 p-Isopropyltoluene	119	10.146	10.146	(0.997)	279076	19.3336	19.33
	83 1,3-Dichlorobenzene	146	10.116	10.116	(0.994)	209917	19.0554	19.05
	84 1,4-Dichlorobenzene	146	10.191	10.191	(1.002)	222975	18.9838	18.98
	87 n-Butylbenzene	91	10.495	10.495	(1.032)	244907	19.8188	19.81
	88 1,2-Dichlorobenzene	146	10.506	10.506	(1.033)	213718	19.3494	19.34
	89 1,2-Dibromo-3-Chloropropane	155	11.169	11.169	(1.098)	18474	17.5084	17.50

90 1,2,4-Trichlorobenzene	180	11.859	11.859 (1.166)	135040	17.7750	17.77
91 Hexachlorobutadiene	225	11.998	11.998 (1.179)	60765	19.8055	19.80

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	92 Naphthalene	128	12.069	12.069	(1.186)	333840	18.9173	18.91
	93 1,2,3-Trichlorobenzene	180	12.268	12.268	(1.206)	137042	18.4517	18.45
M	94 1,2-Dichloroethylene (total)	96				181793	39.5710	39.57
M	95 Xylenes (total)	106				462025	60.2529	60.25
	135 1,4-Dioxane	88	6.169	6.169	(1.282)	25471	252.666	252.66
	141 Cyclohexane	56	4.778	4.782	(0.993)	116560	19.0969	19.09
	138 Freon TF	101	2.326	2.334	(0.484)	73274	21.4898	21.48
	140 1,3-Butadiene	54	1.397	1.400	(0.290)	88723	18.4530	18.45
	147 Methylcyclohexane	55	5.947	5.947	(1.072)	210819	20.3861	20.38
	146 Methyl Acetate	43	2.709	2.709	(0.563)	80121	18.7425	18.74
	148 Tert-Butyl alcohol	59	2.964	2.960	(0.616)	199638	422.741	422.74
	149 Isopropyl Alcohol	45	2.559	2.559	(0.532)	124516	375.167	375.16
	72 trans-1,4-Dichloro-2-butene	53	9.378	9.377	(1.146)	17758	21.3538	21.35
	12 Isobutyl Alcohol	43	5.288	5.288	(1.099)	316372	479.617	479.61
	13 Acetonitrile	39	2.664	2.667	(0.554)	122674	223.182	223.18
	14 Allyl Chloride	41	2.667	2.671	(0.554)	264630	20.0767	20.07
	25 Methacrylonitrile	41	4.493	4.493	(0.934)	60106	20.0383	20.03
	40 Methyl Methacrylate	41	6.157	6.157	(1.280)	91731	21.0139	21.01
	4 Propionitrile	54	4.336	4.335	(0.901)	150784	205.531	205.53(a)
	136 n-Hexane	57	3.335	3.342	(0.693)	85895	20.6964	20.69
	131 Methyl Acrylate	55	4.366	4.365	(0.907)	116560	21.7084	21.70
	23 Chloroprene	53	2.150	2.154	(0.447)	32943	20.3444	20.34
	49 Ethyl Methacrylate	69	7.293	7.293	(1.314)	136998	20.9642	20.96
	166 1,2,3-Trimethylbenzene	105	10.236	10.236	(1.006)	297635	20.1427	20.14

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.



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Sample Info: VLCSW-230615;VLCSW-230615;3;;LCS
Purge Volume: 5.0
Column phase: DB624

Instrument: VOA9,i
Operator: PC
Column diameter: 0.18

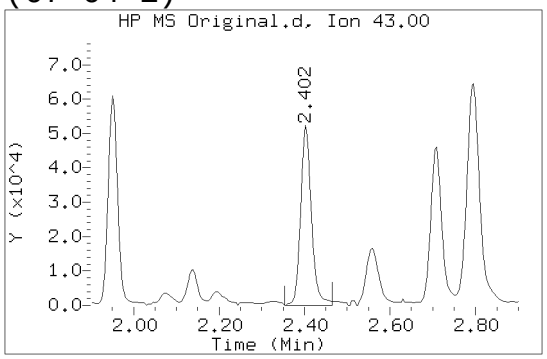
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Inj Date : 15-JUN-2023 13:11
InstruID : VOA9.i
LabSampID : VLCSW-230615

Acetone (67-64-1)

Reason Code:

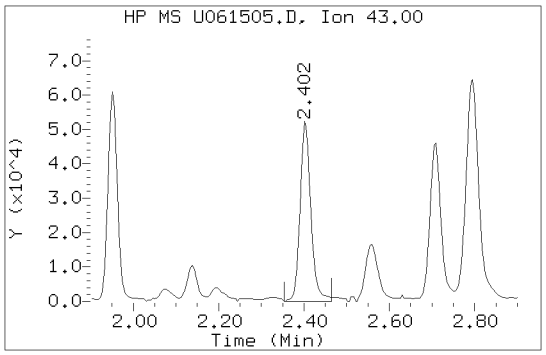
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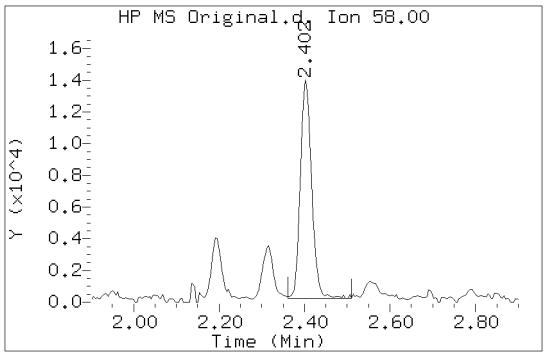
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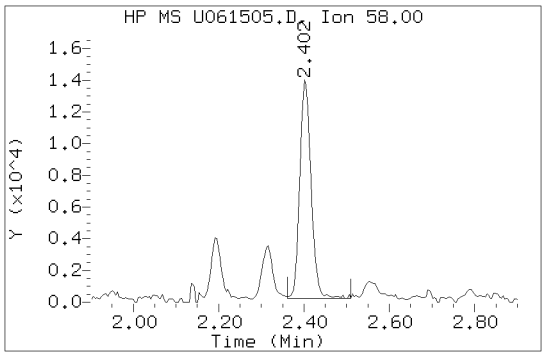
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AFTER

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Data File: \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061507.D Page 1
Report Date: 16-Jun-2023 13:08

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061507.D
Lab Smp Id: VBLKW-230615 Client Smp ID: VBLKW-230615
Inj Date : 15-JUN-2023 13:55
Operator : PC Inst ID: VOA9.i
Smp Info : VBLKW-230615;VBLKW-230615;3;;BLANK
Misc Info : V9;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa9.i\U230615.b\8260C.m
Meth Date : 16-Jun-2023 13:08 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 13:50 Cal File: U060608.D
Als bottle: 7 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.819	4.812	(1.000)	531675	50.0000	
$ 30 Dibromofluoromethane	113	4.751	4.748	(0.986)	224813	50.3786	50.37
$ 35 1,2-Dichloroethane-d4	65	5.100	5.096	(1.058)	269699	55.9311	55.93
* 36 1,4-Difluorobenzene	114	5.557	5.554	(1.000)	738141	50.0000	
* 47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	687232	50.0000	
$ 48 Toluene-d8	98	6.926	6.922	(0.846)	847851	54.5100	54.51
$ 69 4-Bromofluorobenzene	95	9.194	9.194	(1.123)	299784	48.8980	48.89
* 70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	340080	50.0000	

01225285

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061507.D

Page 1

Date : 15-JUN-2023 13:55

Client ID: VBLKW-230615

Instrument: VOA9.i

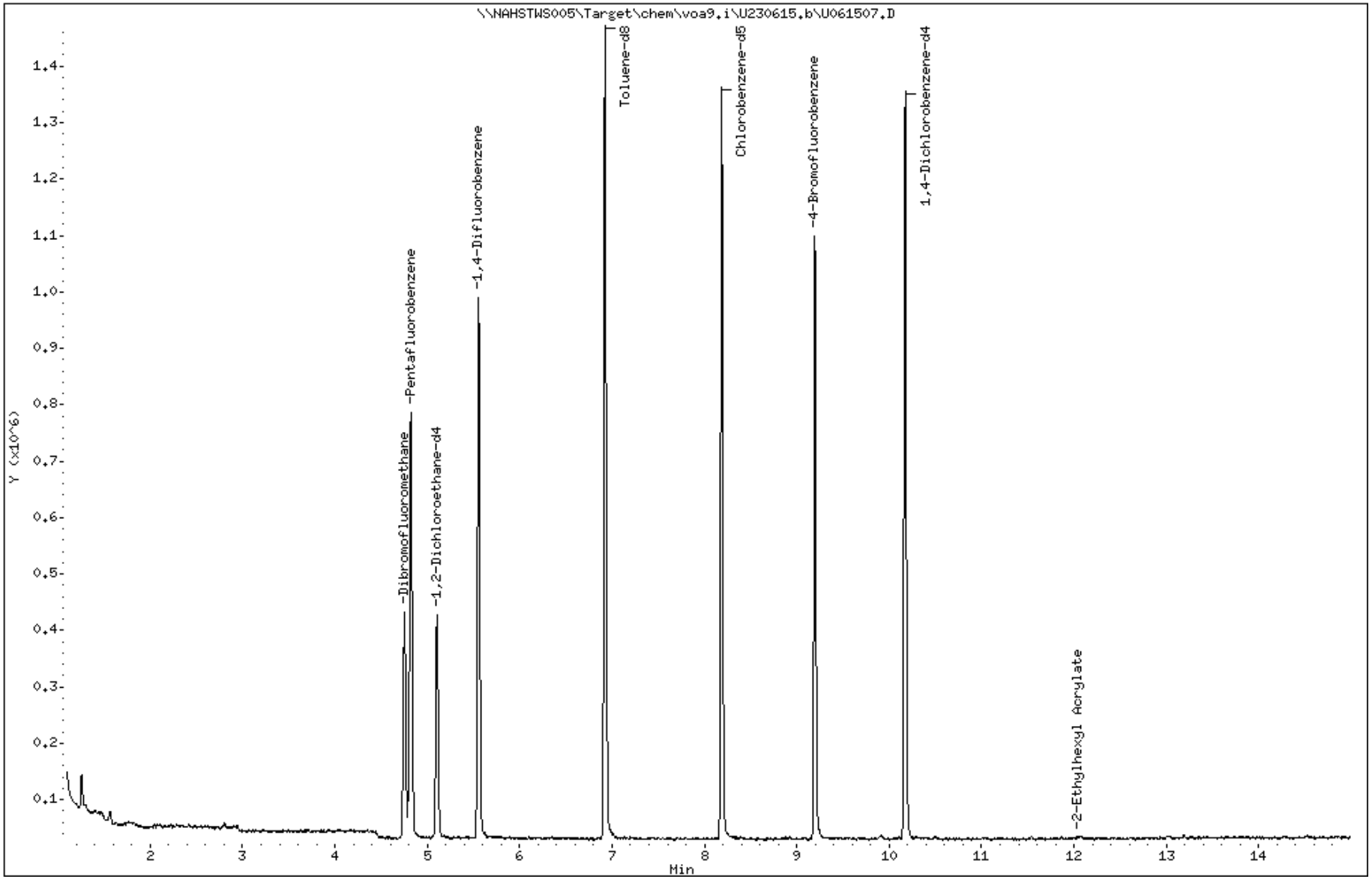
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Purge Volume: 5.0

Operator: PC

Column phase: DB624

Column diameter: 0.18



Data File : \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061507.D
Inj Date : 15-JUN-2023 13:55
InstruID : VOA9.i
LabSampID : VBLKW-230615

NO MANUAL INTEGRATIONS

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061510.D Page 1
Report Date: 16-Jun-2023 13:08

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061510.D
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Inj Date : 15-JUN-2023 15:03
Operator : PC Inst ID: VOA9.i
Smp Info : HS23060723-03MS;HS23060723-03MS;3;;MS
Misc Info : V9;WATER;0;1;
Comment :
Method : \\NAHSTWS005\Target\chem\voa9.i\U230615.b\8260C.m
Meth Date : 16-Jun-2023 13:08 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 13:50 Cal File: U060608.D
Als bottle: 10 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.811	4.812	(1.000)	551640	50.0000	
2 Dichlorodifluoromethane	85	1.156	1.160	(0.240)	100120	19.6921	19.69
3 Chloromethane	50	1.288	1.295	(0.268)	162916	18.7607	18.76
5 Vinyl Chloride	62	1.370	1.374	(0.285)	120695	20.6848	20.68
6 Bromomethane	94	1.610	1.618	(0.335)	77059	24.7892	24.78
7 Chloroethane	64	1.692	1.696	(0.352)	81203	20.6593	20.65
8 Trichlorofluoromethane	101	1.887	1.895	(0.392)	175019	26.1162	26.11
9 Acrolein	56	2.258	2.262	(0.469)	9777	33.3913	33.39
10 Acetone	43	2.401	2.405	(0.499)	83257	40.7462	40.74
11 1,1-Dichloroethene	96	2.326	2.330	(0.483)	89971	21.4868	21.48
15 Iodomethane	142	2.461	2.465	(0.512)	97210	37.3901	37.39
16 Acrylonitrile	53	3.061	3.061	(0.636)	84116	41.1176	41.11
17 Methylene Chloride	84	2.787	2.791	(0.579)	104902	20.2533	20.25
18 Methyl tert-butyl ether	73	3.076	3.076	(0.639)	284444	22.1521	22.15
19 Carbon Disulfide	76	2.513	2.517	(0.522)	486195	43.4335	43.43
20 trans-1,2-Dichloroethene	96	3.049	3.057	(0.634)	98813	21.6992	21.69
21 Vinyl Acetate	43	3.601	3.605	(0.748)	557294	40.1472	40.14
22 1,1-Dichloroethane	63	3.507	3.511	(0.729)	173856	20.0896	20.08
24 2-Butanone	43	4.264	4.261	(0.886)	89758	35.6875	35.68
26 2,2-Dichloropropane	77	4.178	4.182	(0.868)	131882	23.2642	23.26

27	cis-1,2-Dichloroethene	96	4.193	4.193 (0.871)	108410	19.8997	19.89
28	Chloroform	83	4.568	4.572 (0.949)	182015	20.2081	20.20

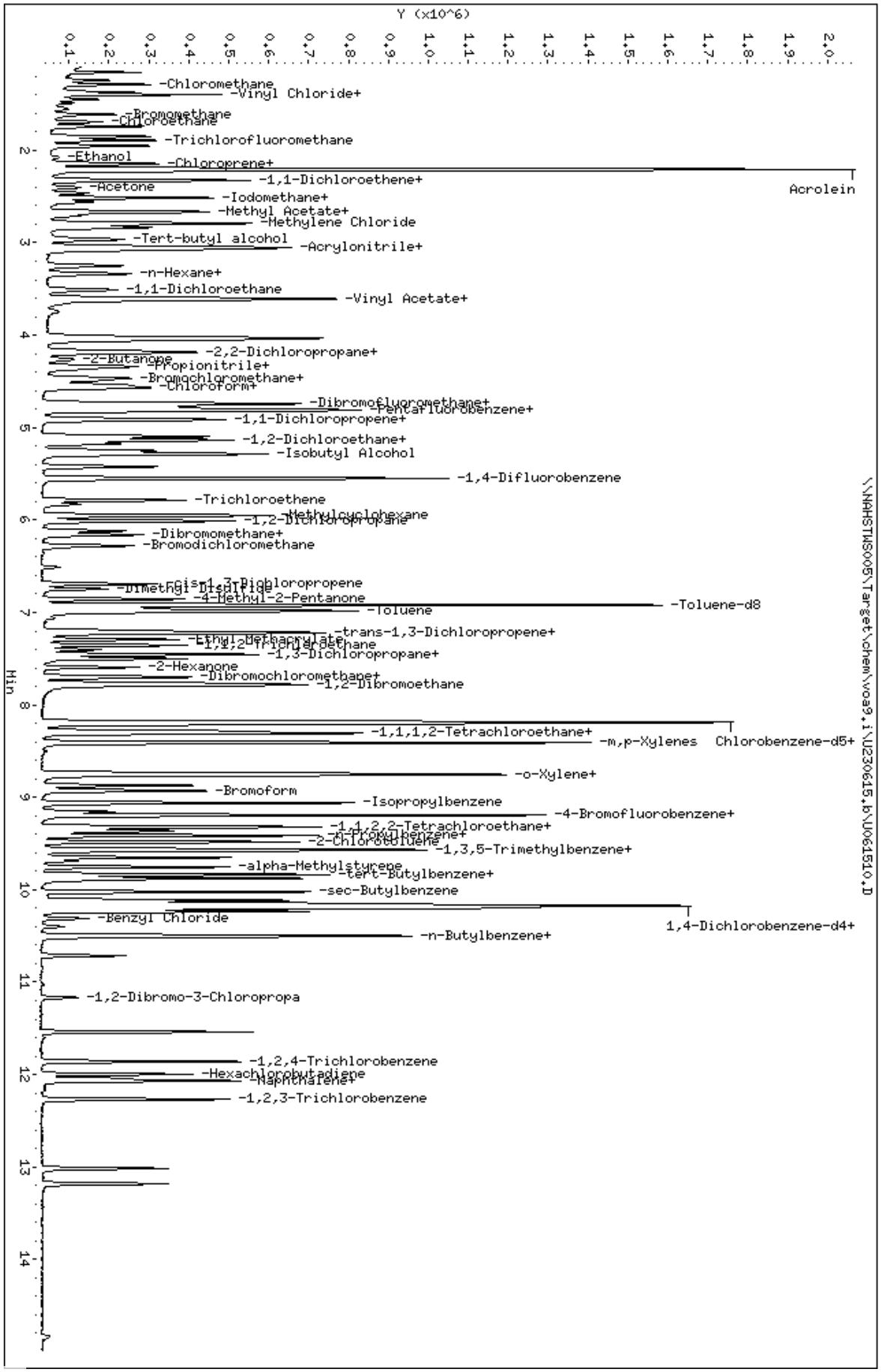
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	29 Bromochloromethane	128	4.463	4.467	(0.928)	58403	19.1652	19.16
$	30 Dibromofluoromethane	113	4.744	4.748	(0.986)	233913	50.5216	50.52
	31 1,1,1-Trichloroethane	97	4.736	4.740	(0.984)	156420	22.7855	22.78
	32 1,1-Dichloropropene	75	4.916	4.920	(0.886)	132252	23.3277	23.32
	33 1,2-Dichloroethane	62	5.175	5.175	(0.932)	148587	22.1923	22.19
	34 Carbon Tetrachloride	117	4.905	4.909	(0.884)	133210	25.5798	25.57
$	35 1,2-Dichloroethane-d4	65	5.096	5.096	(1.059)	276853	55.3295	55.32
*	36 1,4-Difluorobenzene	114	5.550	5.554	(1.000)	773572	50.0000	
	37 Benzene	78	5.134	5.138	(0.925)	391048	20.9785	20.97
	38 Trichloroethene	130	5.786	5.786	(1.043)	112028	20.7352	20.73
	39 Bromodichloromethane	83	6.277	6.277	(1.131)	124090	21.3410	21.34
	42 1,2-Dichloropropane	63	6.007	6.011	(1.082)	100276	20.1478	20.14
	44 Dibromomethane	93	6.120	6.120	(1.103)	66687	20.9705	20.97
	45 4-Methyl-2-Pentanone	43	6.854	6.858	(0.837)	212092	39.4635	39.46
	46 cis-1,3-Dichloropropene	75	6.689	6.693	(1.205)	140462	19.2529	19.25
*	47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	738027	50.0000	
$	48 Toluene-d8	98	6.922	6.922	(0.846)	909056	54.4225	54.42
	50 Toluene	91	6.978	6.982	(0.853)	445701	22.2660	22.26
	51 trans-1,3-Dichloropropene	75	7.195	7.196	(1.296)	118744	19.4475	19.44
	52 2-Hexanone	43	7.593	7.593	(0.928)	145482	38.8699	38.86
	53 1,1,2-Trichloroethane	83	7.357	7.357	(0.899)	83638	20.0813	20.08
	54 1,3-Dichloropropane	76	7.499	7.499	(0.916)	174424	20.4977	20.49
	55 Dibromochloromethane	129	7.690	7.694	(0.940)	105509	21.3503	21.35
	56 Tetrachloroethene	164	7.458	7.458	(0.911)	114638	23.5060	23.50
	57 1,2-Dibromoethane	107	7.784	7.784	(0.951)	102775	20.0035	20.00
	58 1-Chlorohexane	55	8.196	8.197	(1.477)	97729	24.6032	24.60
	59 Chlorobenzene	112	8.208	8.208	(1.003)	308244	21.5764	21.57
	60 1,1,1,2-Tetrachloroethane	131	8.286	8.283	(1.012)	107648	21.9236	21.92
	61 Ethylbenzene	106	8.305	8.305	(1.015)	152155	22.8831	22.88
	62 m,p-Xylenes	106	8.410	8.410	(1.027)	367618	46.7302	46.73
	63 o-Xylene	106	8.747	8.748	(1.069)	175360	22.5642	22.56
	64 Styrene	104	8.762	8.763	(1.071)	368423	29.8722	29.87
	66 Bromoform	173	8.920	8.920	(1.090)	67861	20.3438	20.34
	67 Isopropylbenzene	105	9.062	9.063	(1.107)	460662	24.6785	24.67
	68 1,1,2,2-Tetrachloroethane	83	9.329	9.329	(0.917)	143144	19.1755	19.17
$	69 4-Bromofluorobenzene	95	9.194	9.194	(1.123)	341748	51.9620	51.96
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	396855	50.0000	
	71 1,2,3-Trichloropropane	75	9.362	9.362	(0.920)	123635	18.8262	18.82
	73 n-Propylbenzene	91	9.411	9.411	(0.925)	495430	23.8001	23.80
	74 Bromobenzene	156	9.317	9.318	(0.916)	136145	20.3323	20.33
	75 1,3,5-Trimethylbenzene	105	9.565	9.561	(0.940)	315281	22.0770	22.07
	76 2-Chlorotoluene	91	9.482	9.482	(0.932)	330807	22.6067	22.60
	77 4-Chlorotoluene	91	9.576	9.576	(0.941)	364402	22.4976	22.49
	78 tert-Butylbenzene	119	9.838	9.839	(0.967)	328097	23.3916	23.39
	79 1,2,4-Trimethylbenzene	105	9.880	9.880	(0.971)	348792	23.3423	23.34
	81 sec-Butylbenzene	105	10.022	10.022	(0.985)	427630	24.0406	24.04
	82 p-Isopropyltoluene	119	10.146	10.146	(0.997)	344598	23.1242	23.12
	83 1,3-Dichlorobenzene	146	10.116	10.116	(0.994)	237442	20.8781	20.87
	84 1,4-Dichlorobenzene	146	10.191	10.191	(1.002)	248708	20.5107	20.51
	87 n-Butylbenzene	91	10.491	10.495	(1.031)	298442	23.3937	23.39
	88 1,2-Dichlorobenzene	146	10.506	10.506	(1.033)	235209	20.6273	20.62
	89 1,2-Dibromo-3-Chloropropane	155	11.169	11.169	(1.098)	18560	17.0383	17.03

90 1,2,4-Trichlorobenzene	180	11.859	11.859 (1.166)	147897	18.8568	18.85
91 Hexachlorobutadiene	225	11.998	11.998 (1.179)	68064	21.4889	21.48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	92 Naphthalene	128	12.069	12.069	(1.186)	345626	18.9710	18.97
	93 1,2,3-Trichlorobenzene	180	12.267	12.268	(1.206)	144705	18.8725	18.87
M	94 1,2-Dichloroethylene (total)	96				207223	41.5989	41.59
M	95 Xylenes (total)	106				542978	69.2944	69.29
	135 1,4-Dioxane	88	6.168	6.169	(1.282)	26961	246.140	246.14
	141 Cyclohexane	56	4.778	4.782	(0.993)	143712	21.6163	21.61
	138 Freon TF	101	2.326	2.334	(0.483)	91208	24.6185	24.61
	140 1,3-Butadiene	54	1.396	1.400	(0.290)	107188	20.5174	20.51
	147 Methylcyclohexane	55	5.947	5.947	(1.072)	257636	24.0087	24.00
	146 Methyl Acetate	43	2.708	2.709	(0.563)	90059	19.3890	19.38
	148 Tert-Butyl alcohol	59	2.963	2.960	(0.616)	204288	397.837	397.83
	149 Isopropyl Alcohol	45	2.558	2.559	(0.532)	131378	364.308	364.30
	72 trans-1,4-Dichloro-2-butene	53	9.377	9.377	(1.146)	17490	20.5819	20.58
	12 Isobutyl Alcohol	43	5.287	5.288	(1.099)	330315	460.862	460.86
	13 Acetonitrile	39	2.663	2.667	(0.554)	147263	246.573	246.57
	14 Allyl Chloride	41	2.667	2.671	(0.554)	294050	20.5315	20.53
	25 Methacrylonitrile	41	4.493	4.493	(0.934)	65579	20.1212	20.12
	40 Methyl Methacrylate	41	6.157	6.157	(1.280)	100187	21.1227	21.12
	4 Propionitrile	54	4.335	4.335	(0.901)	157515	197.602	197.60(a)
	136 n-Hexane	57	3.338	3.342	(0.694)	100953	22.3549	22.35
	131 Methyl Acrylate	55	4.365	4.365	(0.907)	119485	20.4803	20.48
	23 Chloroprene	53	2.150	2.154	(0.447)	40805	23.1921	23.19
	49 Ethyl Methacrylate	69	7.293	7.293	(1.314)	143419	21.1499	21.14
	166 1,2,3-Trimethylbenzene	105	10.236	10.236	(1.006)	341007	22.3542	22.35

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).



Data File: \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061510.D
Date : 15-JUN-2023 15:03
Client ID: HS23060723-03MS
Sample Info: HS23060723-03MS;HS23060723-03MS;3;;MS
Purge Volume: 5.0
Column phase: DB624

Instrument: VOA9.i
Operator: PC
Column diameter: 0.18

Data File : \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061510.D
Inj Date : 15-JUN-2023 15:03
InstruID : VOA9.i
LabSampID : HS23060723-03MS

NO MANUAL INTEGRATIONS

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061511.D Page 1
Report Date: 16-Jun-2023 13:08

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061511.D
Lab Smp Id: HS23060723-03MSD Client Smp ID: HS23060723-03MSD
Inj Date : 15-JUN-2023 15:25
Operator : PC Inst ID: VOA9.i
Smp Info : HS23060723-03MSD;HS23060723-03MSD;3;;MSD
Misc Info : V9;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa9.i\U230615.b\8260C.m
Meth Date : 16-Jun-2023 13:08 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 13:50 Cal File: U060608.D
Als bottle: 10 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.819	4.812	(1.000)	557900	50.0000	
2 Dichlorodifluoromethane	85	1.168	1.160	(0.242)	97915	19.0449	19.04
3 Chloromethane	50	1.299	1.295	(0.270)	160183	18.2015	18.20
5 Vinyl Chloride	62	1.381	1.374	(0.287)	118053	20.0050	20.00
6 Bromomethane	94	1.621	1.618	(0.337)	73367	23.2290	23.22
7 Chloroethane	64	1.704	1.696	(0.354)	78908	19.8501	19.85
8 Trichlorofluoromethane	101	1.899	1.895	(0.394)	167718	24.7460	24.74
9 Acrolein	56	2.270	2.262	(0.471)	8767	29.6059	29.60
10 Acetone	43	2.412	2.405	(0.501)	72716	34.4096	34.40
11 1,1-Dichloroethene	96	2.337	2.330	(0.485)	86889	20.5179	20.51
15 Iodomethane	142	2.472	2.465	(0.513)	106277	39.5849	39.58
16 Acrylonitrile	53	3.068	3.061	(0.637)	83715	40.4624	40.46
17 Methylene Chloride	84	2.798	2.791	(0.581)	102913	19.6156	19.61
18 Methyl tert-butyl ether	73	3.083	3.076	(0.640)	280100	21.5690	21.56
19 Carbon Disulfide	76	2.525	2.517	(0.524)	477279	42.1586	42.15
20 trans-1,2-Dichloroethene	96	3.061	3.057	(0.635)	94502	20.5197	20.51
21 Vinyl Acetate	43	3.612	3.605	(0.750)	548535	39.0728	39.07
22 1,1-Dichloroethane	63	3.518	3.511	(0.730)	167702	19.1610	19.16
24 2-Butanone	43	4.268	4.261	(0.886)	91061	35.7993	35.79
26 2,2-Dichloropropane	77	4.185	4.182	(0.869)	128920	22.4998	22.49

27	cis-1,2-Dichloroethene	96	4.197	4.193 (0.871)	104890	19.0375	19.03
28	Chloroform	83	4.575	4.572 (0.949)	181775	19.9550	19.95

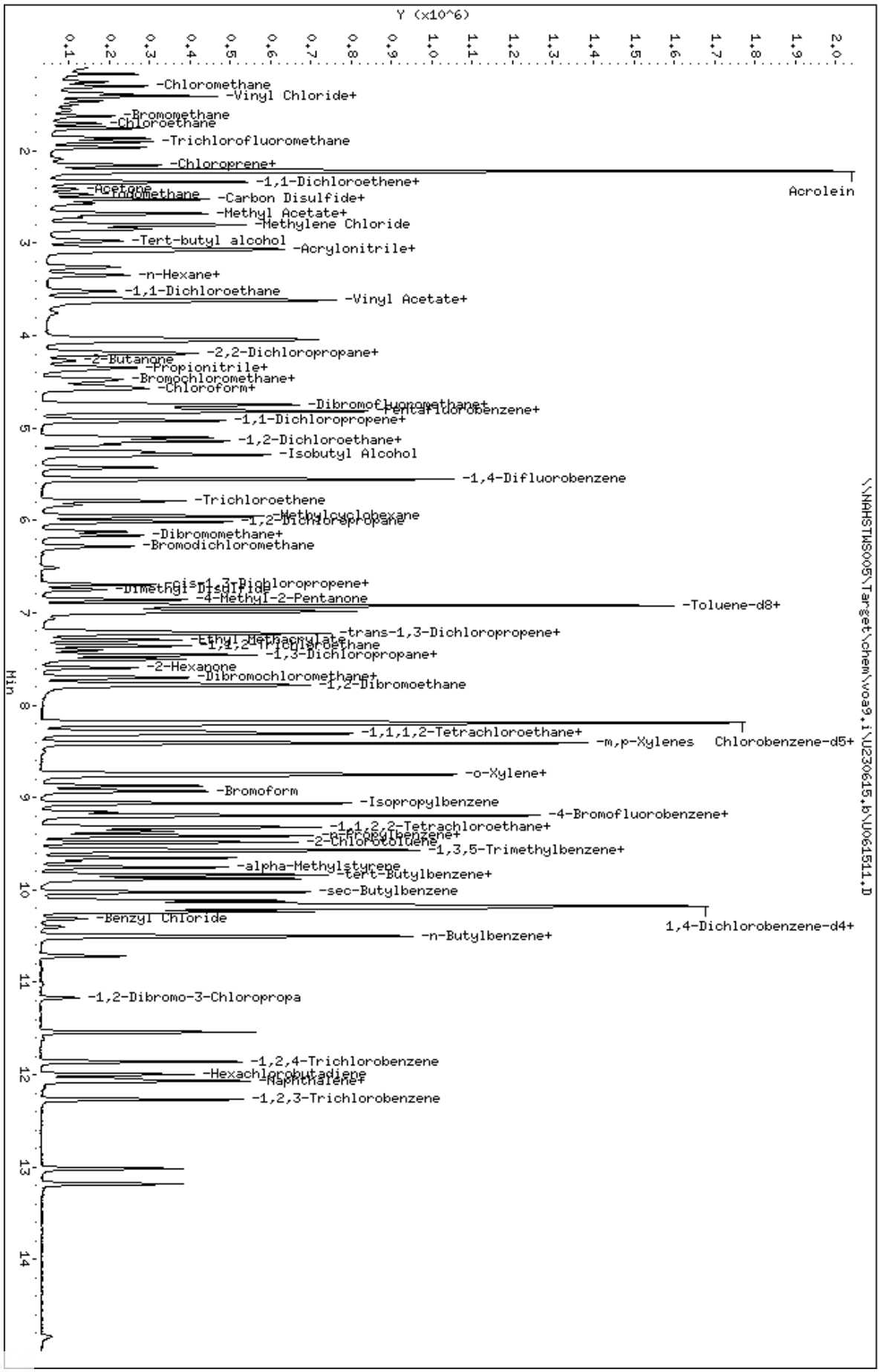
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	29 Bromochloromethane	128	4.470	4.467	(0.928)	56243	18.2493	18.24
$	30 Dibromofluoromethane	113	4.751	4.748	(0.986)	237472	50.7160	50.71
	31 1,1,1-Trichloroethane	97	4.744	4.740	(0.984)	151208	21.7791	21.77
	32 1,1-Dichloropropene	75	4.924	4.920	(0.887)	130836	23.2534	23.25
	33 1,2-Dichloroethane	62	5.179	5.175	(0.933)	149701	22.5286	22.52
	34 Carbon Tetrachloride	117	4.913	4.909	(0.885)	129080	24.9752	24.97
$	35 1,2-Dichloroethane-d4	65	5.100	5.096	(1.058)	279357	55.2019	55.20
*	36 1,4-Difluorobenzene	114	5.554	5.554	(1.000)	767735	50.0000	
	37 Benzene	78	5.141	5.138	(0.926)	377676	20.4152	20.41
	38 Trichloroethene	130	5.790	5.786	(1.043)	111573	20.8080	20.80
	39 Bromodichloromethane	83	6.281	6.277	(1.131)	120186	20.8268	20.82
	42 1,2-Dichloropropane	63	6.011	6.011	(1.082)	97733	19.7862	19.78
	44 Dibromomethane	93	6.120	6.120	(1.102)	66450	21.0549	21.05
	45 4-Methyl-2-Pentanone	43	6.858	6.858	(0.838)	211511	39.7335	39.73
	46 cis-1,3-Dichloropropene	75	6.693	6.693	(1.205)	134272	18.6147	18.61
*	47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	731003	50.0000	
$	48 Toluene-d8	98	6.922	6.922	(0.846)	906567	54.7950	54.79
	50 Toluene	91	6.982	6.982	(0.853)	439785	22.1815	22.18
	51 trans-1,3-Dichloropropene	75	7.199	7.196	(1.296)	112288	18.6253	18.62
	52 2-Hexanone	43	7.593	7.593	(0.928)	143252	38.6418	38.64
	53 1,1,2-Trichloroethane	83	7.357	7.357	(0.899)	81590	19.7778	19.77
	54 1,3-Dichloropropane	76	7.499	7.499	(0.916)	175400	20.8104	20.81
	55 Dibromochloromethane	129	7.694	7.694	(0.940)	104599	21.3695	21.36
	56 Tetrachloroethene	164	7.458	7.458	(0.911)	110698	22.9162	22.91
	57 1,2-Dibromoethane	107	7.788	7.784	(0.951)	102026	20.0485	20.04
	58 1-Chlorohexane	55	8.197	8.197	(1.476)	95894	24.3248	24.32
	59 Chlorobenzene	112	8.212	8.208	(1.003)	296861	20.9793	20.97
	60 1,1,1,2-Tetrachloroethane	131	8.286	8.283	(1.012)	104212	21.4278	21.42
	61 Ethylbenzene	106	8.309	8.305	(1.015)	146886	22.3029	22.30
	62 m,p-Xylenes	106	8.410	8.410	(1.027)	362682	46.5458	46.54
	63 o-Xylene	106	8.748	8.748	(1.069)	168198	21.8506	21.85
	64 Styrene	104	8.763	8.763	(1.071)	303187	24.8190	24.81
	66 Bromoform	173	8.920	8.920	(1.090)	68657	20.7802	20.78
	67 Isopropylbenzene	105	9.062	9.063	(1.107)	456337	24.6817	24.68
	68 1,1,2,2-Tetrachloroethane	83	9.329	9.329	(0.917)	141494	18.8297	18.82
$	69 4-Bromofluorobenzene	95	9.194	9.194	(1.123)	340776	52.3182	52.31
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	399485	50.0000	
	71 1,2,3-Trichloropropane	75	9.362	9.362	(0.920)	120497	18.2276	18.22
	73 n-Propylbenzene	91	9.411	9.411	(0.925)	480339	22.9232	22.92
	74 Bromobenzene	156	9.317	9.318	(0.916)	133998	19.8799	19.87
	75 1,3,5-Trimethylbenzene	105	9.565	9.561	(0.940)	309726	21.5453	21.54
	76 2-Chlorotoluene	91	9.482	9.482	(0.932)	325398	22.0906	22.09
	77 4-Chlorotoluene	91	9.576	9.576	(0.941)	366049	22.4505	22.45
	78 tert-Butylbenzene	119	9.838	9.839	(0.967)	324728	22.9990	22.99
	79 1,2,4-Trimethylbenzene	105	9.880	9.880	(0.971)	333357	22.1625	22.16
	81 sec-Butylbenzene	105	10.022	10.022	(0.985)	420612	23.4904	23.49
	82 p-Isopropyltoluene	119	10.146	10.146	(0.997)	338696	22.5785	22.57
	83 1,3-Dichlorobenzene	146	10.116	10.116	(0.994)	236262	20.6376	20.63
	84 1,4-Dichlorobenzene	146	10.191	10.191	(1.002)	246898	20.2274	20.22
	87 n-Butylbenzene	91	10.494	10.495	(1.032)	298927	23.2774	23.27
	88 1,2-Dichlorobenzene	146	10.506	10.506	(1.033)	235116	20.4834	20.48
	89 1,2-Dibromo-3-Chloropropane	155	11.169	11.169	(1.098)	19368	17.6630	17.66

90 1,2,4-Trichlorobenzene	180	11.859	11.859 (1.166)	154271	19.5400	19.54
91 Hexachlorobutadiene	225	11.998	11.998 (1.179)	68377	21.4456	21.44

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
	92 Naphthalene	128	12.069	12.069	(1.186)	370364	20.1950	20.19
	93 1,2,3-Trichlorobenzene	180	12.271	12.268	(1.206)	150450	19.4926	19.49
M	94 1,2-Dichloroethylene (total)	96				199392	39.5572	39.55
M	95 Xylenes (total)	106				530880	68.3964	68.39
	135 1,4-Dioxane	88	6.172	6.169	(1.281)	25442	229.666	229.66
	141 Cyclohexane	56	4.781	4.782	(0.992)	142944	21.2665	21.26
	138 Freon TF	101	2.337	2.334	(0.485)	87823	23.4388	23.43
	140 1,3-Butadiene	54	1.408	1.400	(0.292)	104645	19.8059	19.80
	147 Methylcyclohexane	55	5.951	5.947	(1.072)	250313	23.5036	23.50
	146 Methyl Acetate	43	2.716	2.709	(0.564)	86063	18.3208	18.32
	148 Tert-Butyl alcohol	59	2.975	2.960	(0.617)	209921	404.300	404.29
	149 Isopropyl Alcohol	45	2.566	2.559	(0.533)	130075	356.648	356.64
	72 trans-1,4-Dichloro-2-butene	53	9.377	9.377	(1.146)	17602	20.9128	20.91
	12 Isobutyl Alcohol	43	5.291	5.288	(1.098)	327343	451.591	451.59
	13 Acetonitrile	39	2.675	2.667	(0.555)	145110	240.242	240.24
	14 Allyl Chloride	41	2.675	2.671	(0.555)	292005	20.1599	20.15
	25 Methacrylonitrile	41	4.500	4.493	(0.934)	66455	20.1612	20.16
	40 Methyl Methacrylate	41	6.161	6.157	(1.278)	99803	20.8056	20.80
	4 Propionitrile	54	4.343	4.335	(0.901)	153324	190.186	190.18(a)
	136 n-Hexane	57	3.346	3.342	(0.694)	96743	21.2031	21.20
	131 Methyl Acrylate	55	4.373	4.365	(0.907)	119449	20.2444	20.24
	23 Chloroprene	53	2.157	2.154	(0.448)	37357	20.9942	20.99
	49 Ethyl Methacrylate	69	7.293	7.293	(1.313)	148298	22.0357	22.03
	166 1,2,3-Trimethylbenzene	105	10.236	10.236	(1.006)	331930	21.6160	21.61

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).



Data File: \\NAHSTMS005\Target\chem\voa9,i\U230615,b\U061511.D
Date : 15-JUN-2023 15:25
Client ID: HS230607Z3-03MSD
Sample Info: HS230607Z3-03MSD;HS230607Z3-03MSD;3;;MSD
Purge Volume: 5.0
Column phase: DB624

Instrument: VOA9,i
Operator: PC
Column diameter: 0.18

Data File : \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061511.D
Inj Date : 15-JUN-2023 15:25
InstruID : VOA9.i
LabSampID : HS23060723-03MSD

NO MANUAL INTEGRATIONS

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061517.D Page 1
Report Date: 16-Jun-2023 13:08

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061517.D
Lab Smp Id: HS23060596-04 Client Smp ID: HS23060596-04
Inj Date : 15-JUN-2023 17:39
Operator : PC Inst ID: VOA9.i
Smp Info : HS23060596-04;HS23060596-04;;;
Misc Info : V9;WATER;0;10;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa9.i\U230615.b\8260C.m
Meth Date : 16-Jun-2023 13:08 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 13:50 Cal File: U060608.D
Als bottle: 16
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: 8260-dryclean.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.811	4.812	(1.000)	560477	50.0000	
$ 30 Dibromofluoromethane	113	4.744	4.748	(0.986)	237630	50.5152	50.51
$ 35 1,2-Dichloroethane-d4	65	5.096	5.096	(1.059)	292095	57.4815	57.48
* 36 1,4-Difluorobenzene	114	5.550	5.554	(1.000)	782228	50.0000	
* 47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	701561	50.0000	
$ 48 Toluene-d8	98	6.922	6.922	(0.846)	886647	55.8400	55.84(M)
$ 69 4-Bromofluorobenzene	95	9.194	9.194	(1.123)	299716	47.8697	47.86
* 70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	353034	50.0000	
38 Trichloroethene	130	5.786	5.786	(1.043)	98991	18.1195	181.19
56 Tetrachloroethene	164	7.458	7.458	(0.911)	207940	44.8533	448.53

QC Flag Legend

M - Compound response manually integrated.

01225302

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061517.D

Page 1

Date : 15-JUN-2023 17:39

Client ID: HS23060596-04

Instrument: VOA9.i

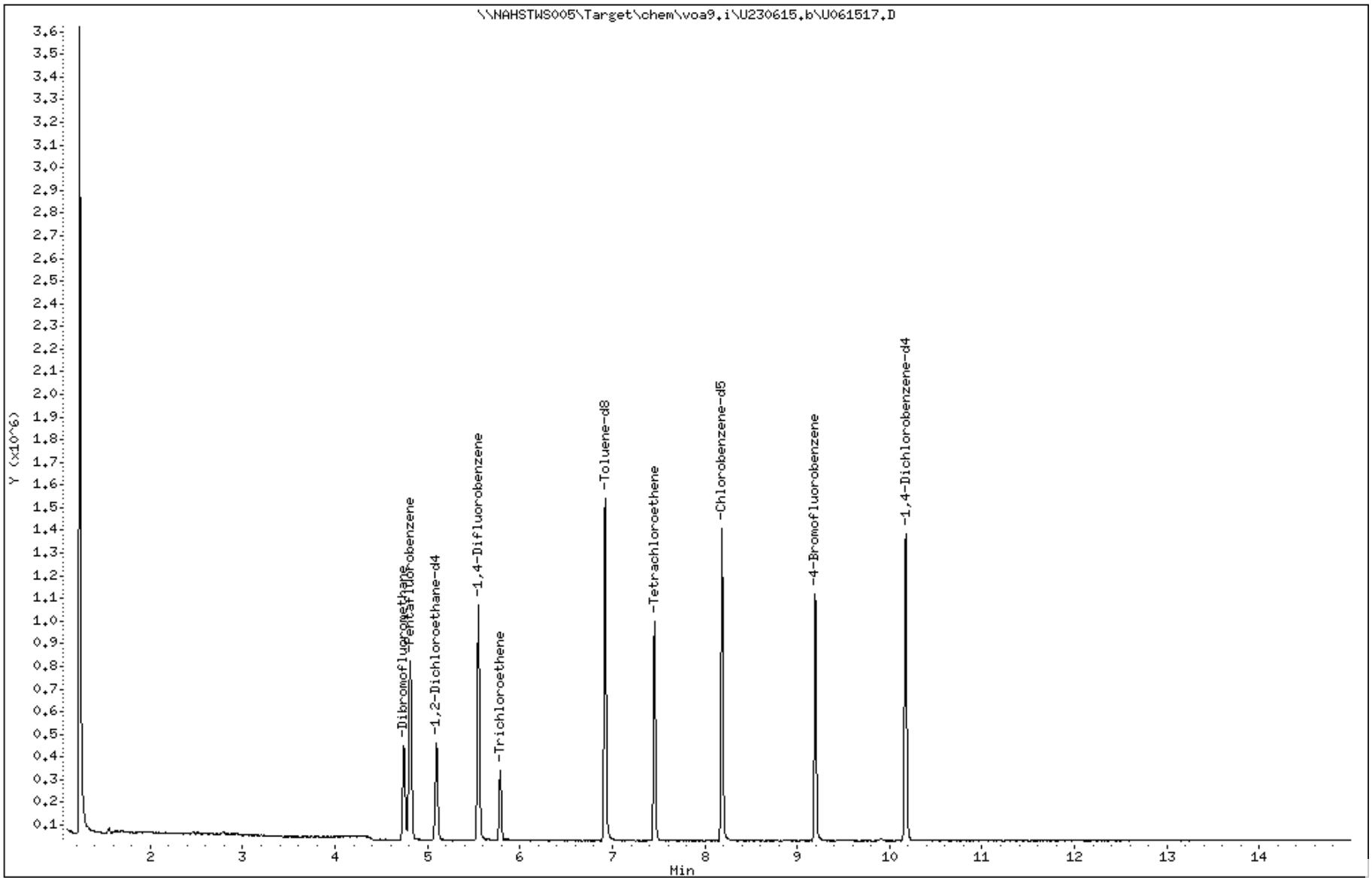
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Purge Volume: 5.0

Operator: PC

Column phase: DB624

Column diameter: 0.18



Data File: \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061517.D Page 2

Date : 15-JUN-2023 17:39

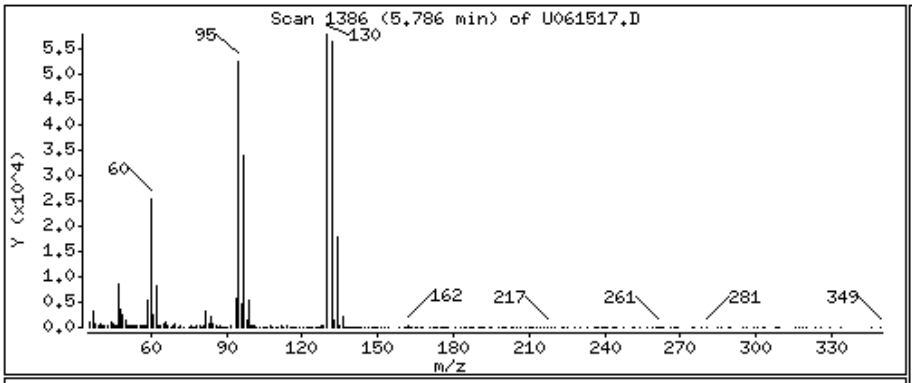
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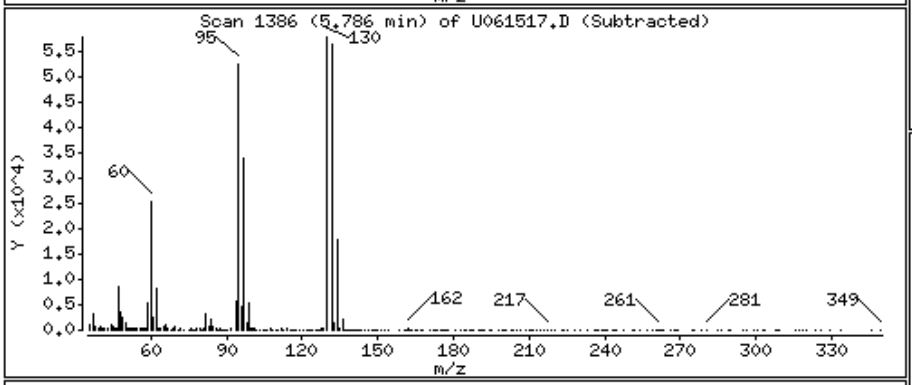
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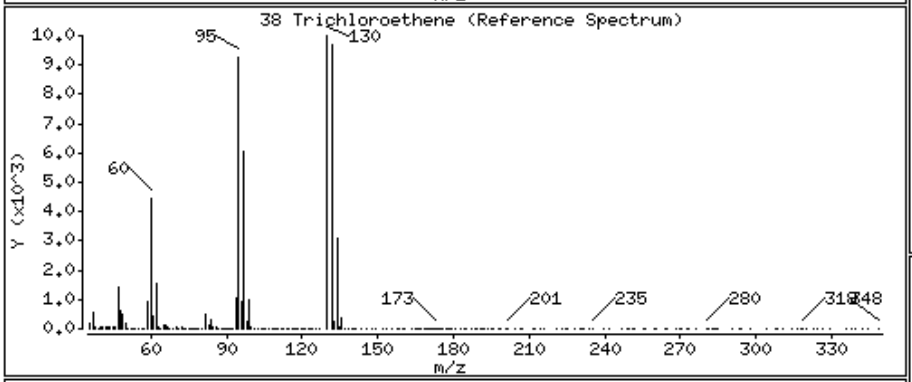
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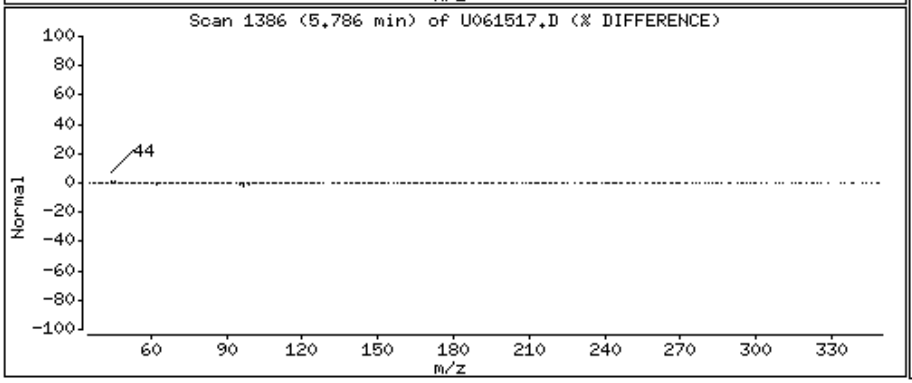
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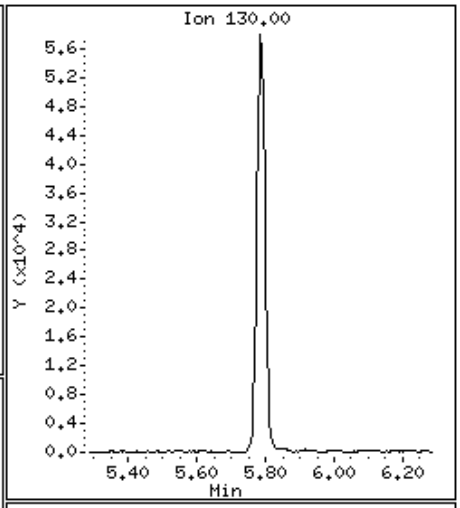
38 Trichloroethene Concentration: 181.19 ug/l

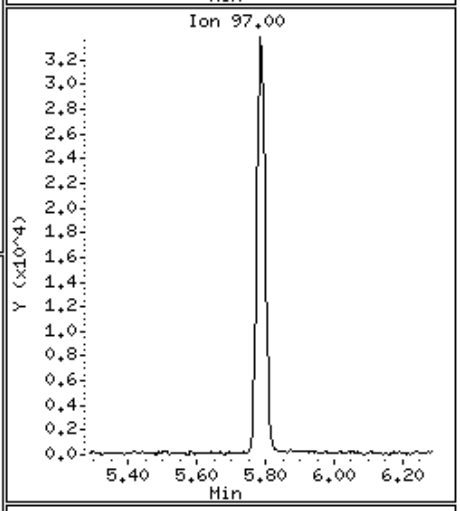


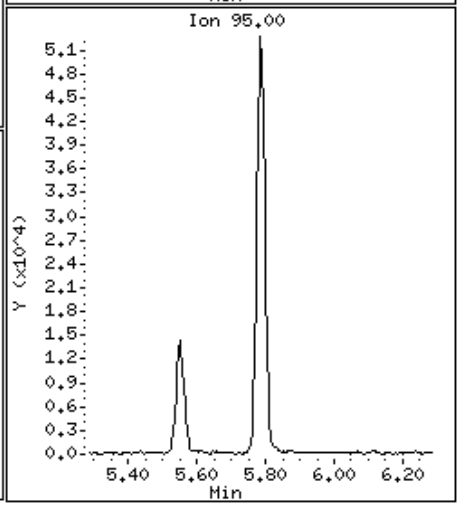












Data File: \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061517.D Page 3

Date : 15-JUN-2023 17:39

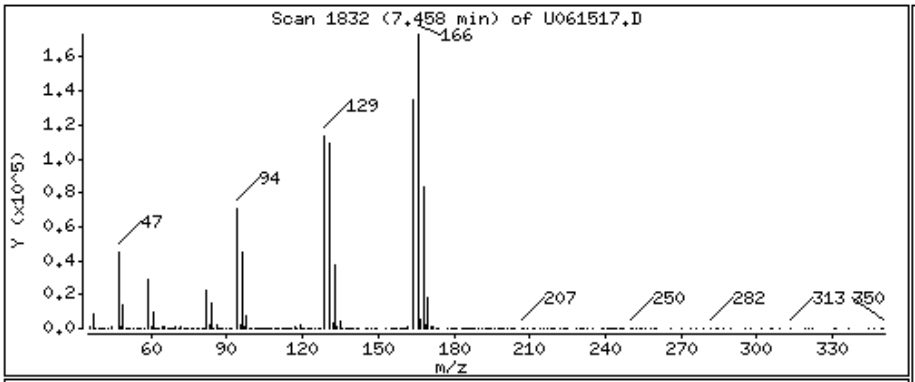
Client ID: HS23060596-04 Instrument: VOA9.i

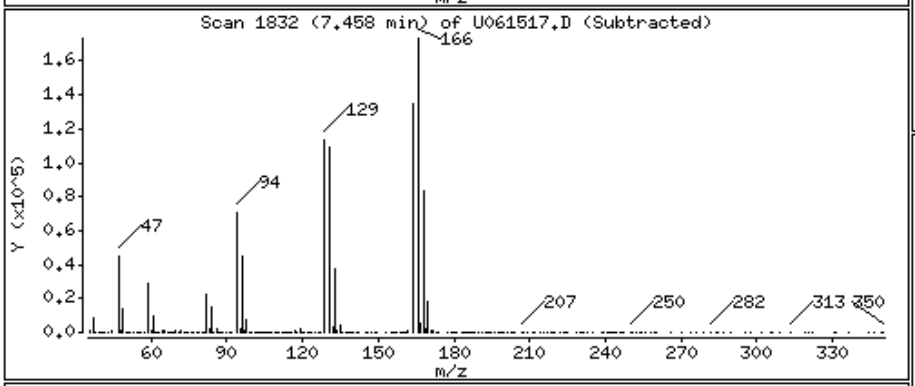
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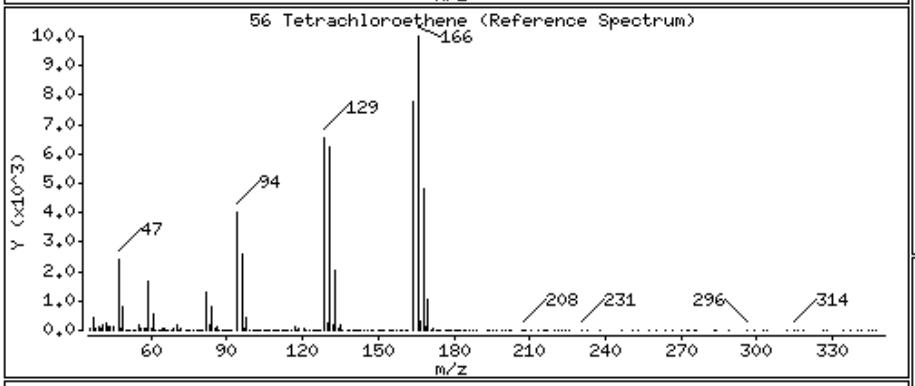
Purge Volume: 5.0 Operator: PC

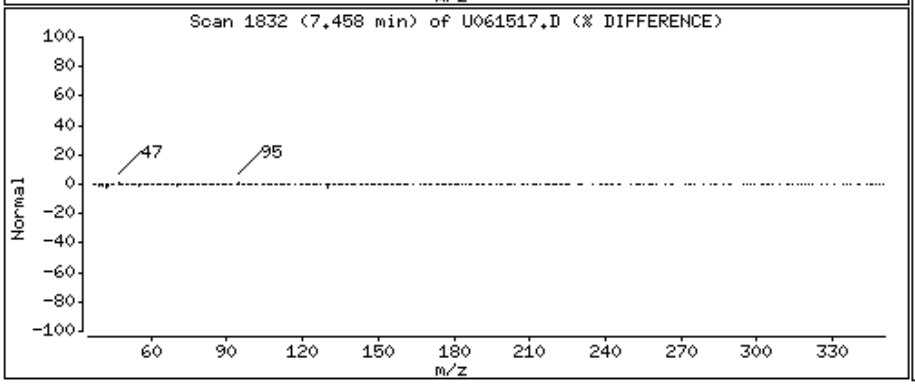
Column phase: DB624 Column diameter: 0.18

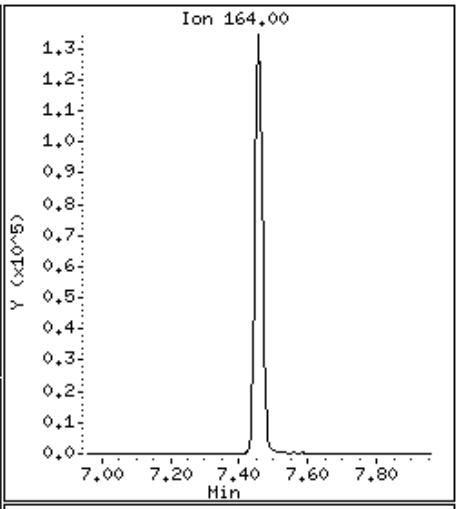
56 Tetrachloroethene Concentration: 448.53 ug/l

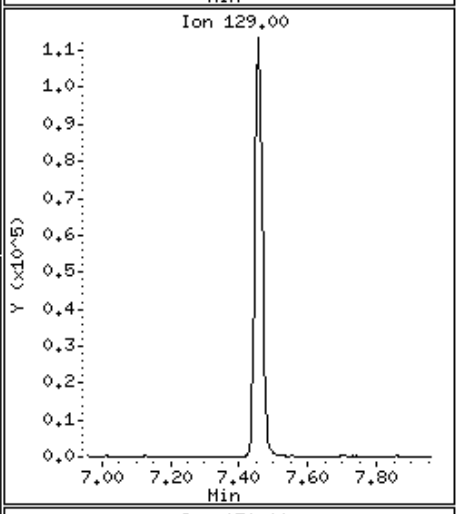


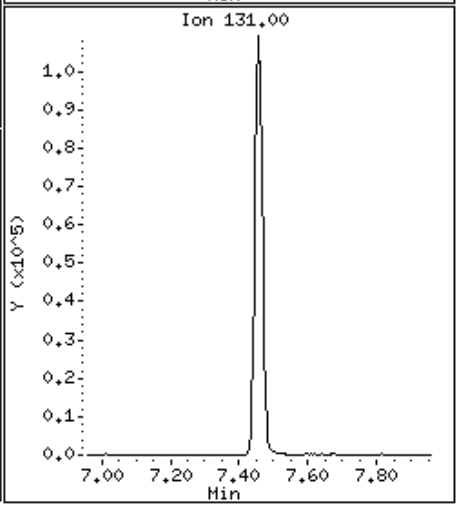










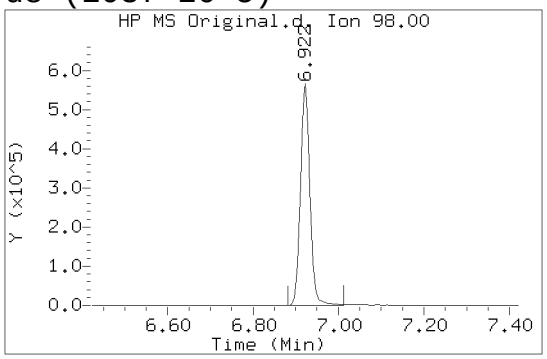


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Inj Date : 15-JUN-2023 17:39
InstruID : VOA9.i
LabSampID : HS23060596-04

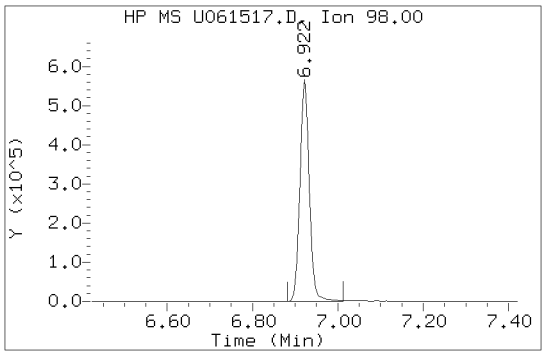
Toluene-d8 (2037-26-5)

Reason Code:

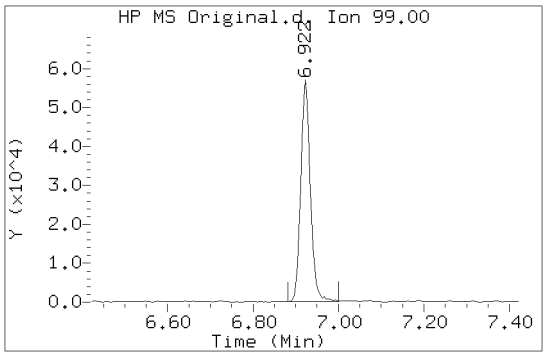
BEFORE
MASS
98
AREA
886647
HEIGHT
566000
16-Jun-2023
13:07
linh
pham



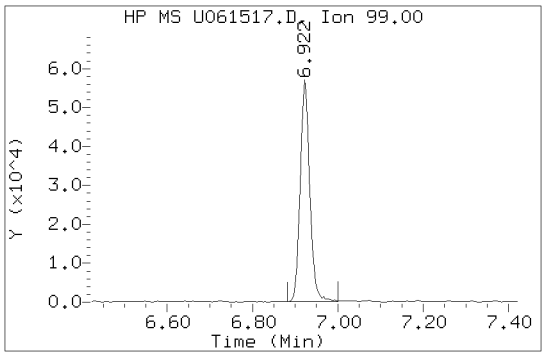
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16-Jun-2023
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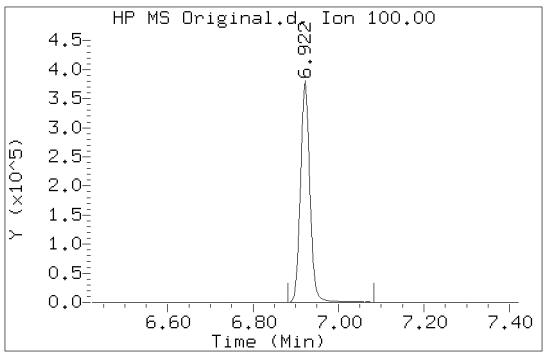
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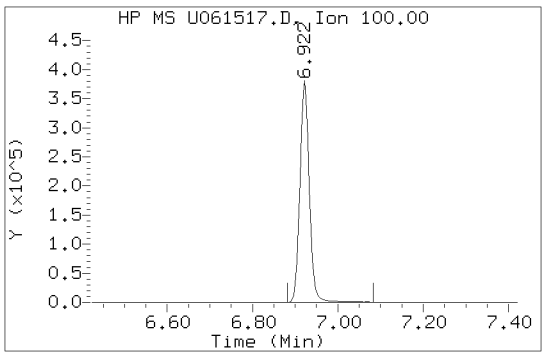
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BEFORE
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AREA
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HEIGHT
380578
16-Jun-2023
13:07
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AFTER
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HEIGHT
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16-Jun-2023
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Data File: \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061518.D Page 1
Report Date: 16-Jun-2023 13:08

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061518.D
Lab Smp Id: HS23060596-05 Client Smp ID: HS23060596-05
Inj Date : 15-JUN-2023 18:02
Operator : PC Inst ID: VOA9.i
Smp Info : HS23060596-05;HS23060596-05;;;
Misc Info : V9;WATER;0;10;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa9.i\U230615.b\8260C.m
Meth Date : 16-Jun-2023 13:08 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 13:50 Cal File: U060608.D
Als bottle: 17
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: 8260-dryclean.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.815	4.812	(1.000)	525737	50.0000	
$ 30 Dibromofluoromethane	113	4.751	4.748	(0.987)	228710	51.8399	51.83
$ 35 1,2-Dichloroethane-d4	65	5.100	5.096	(1.059)	269437	56.5149	56.51
* 36 1,4-Difluorobenzene	114	5.554	5.554	(1.000)	731181	50.0000	
* 47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	678950	50.0000	
$ 48 Toluene-d8	98	6.922	6.922	(0.846)	842018	54.7954	54.79
$ 69 4-Bromofluorobenzene	95	9.194	9.194	(1.123)	293414	48.4343	48.43
* 70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	343029	50.0000	
38 Trichloroethene	130	5.790	5.786	(1.043)	93350	18.2799	182.79
56 Tetrachloroethene	164	7.458	7.458	(0.911)	205542	45.8126	458.12

01225307

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061518.D

Date : 15-JUN-2023 18:02

Client ID: HS23060596-05

Instrument: VOA9.i

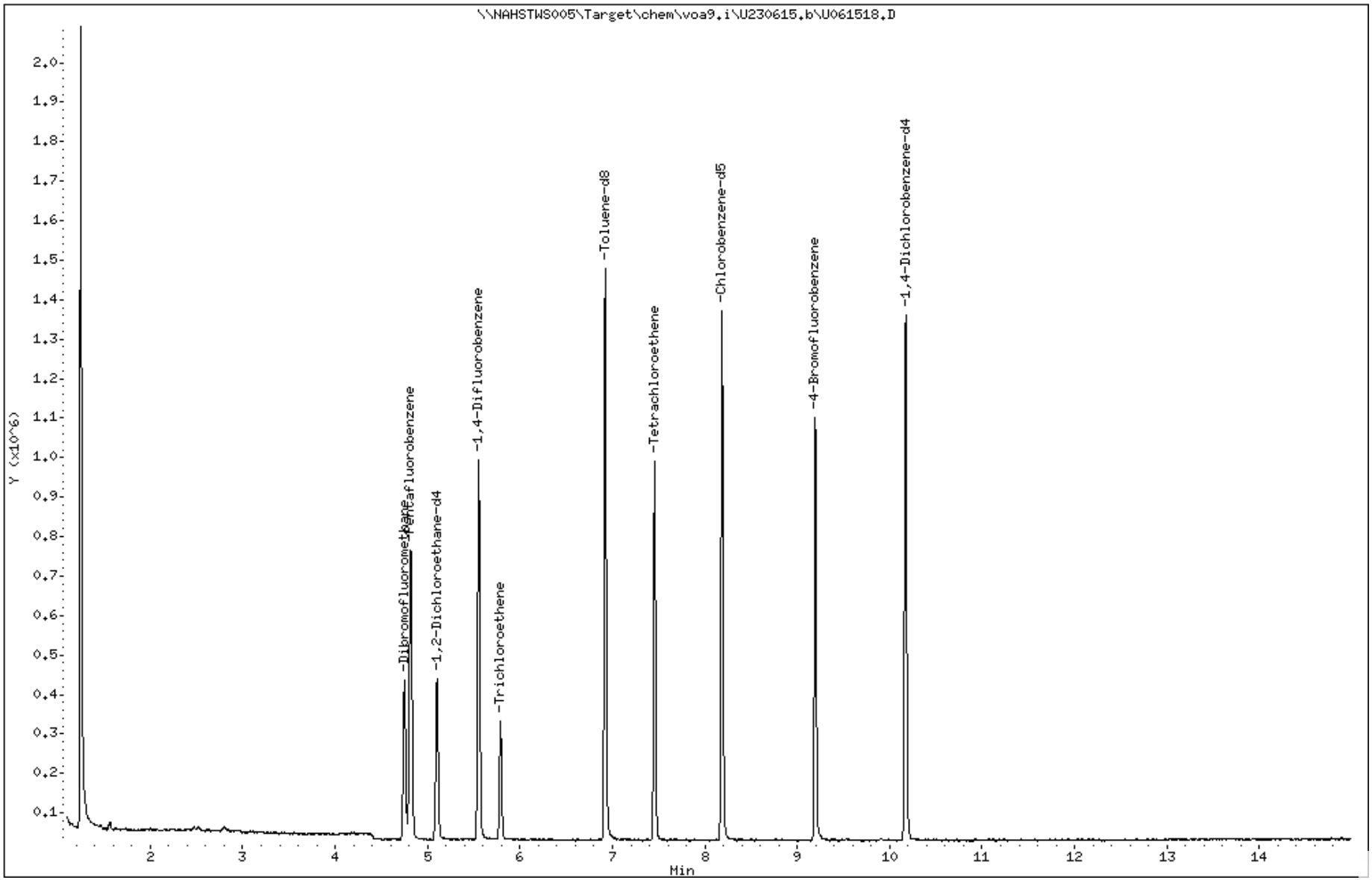
Sample Info: HS23060596-05;HS23060596-05;;;

Purge Volume: 5.0

Operator: PC

Column phase: DB624

Column diameter: 0.18



Data File: \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061518.D

Date : 15-JUN-2023 18:02

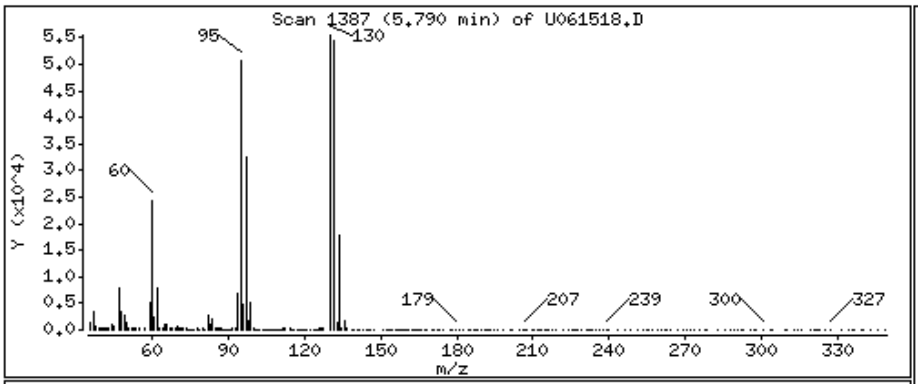
Client ID: HS23060596-05 Instrument: VOA9.i

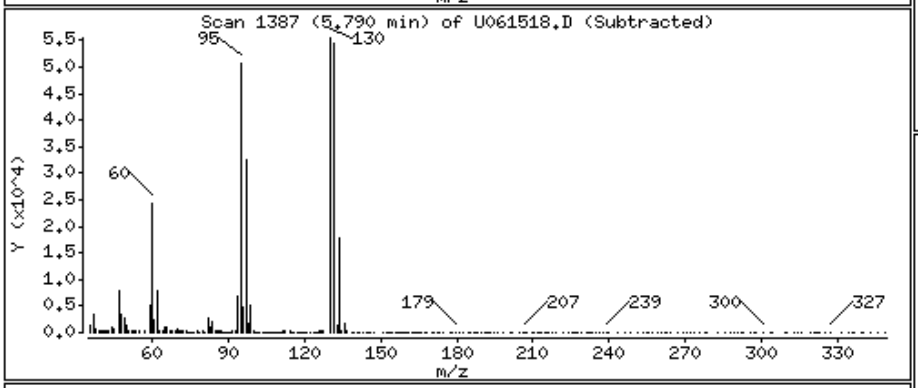
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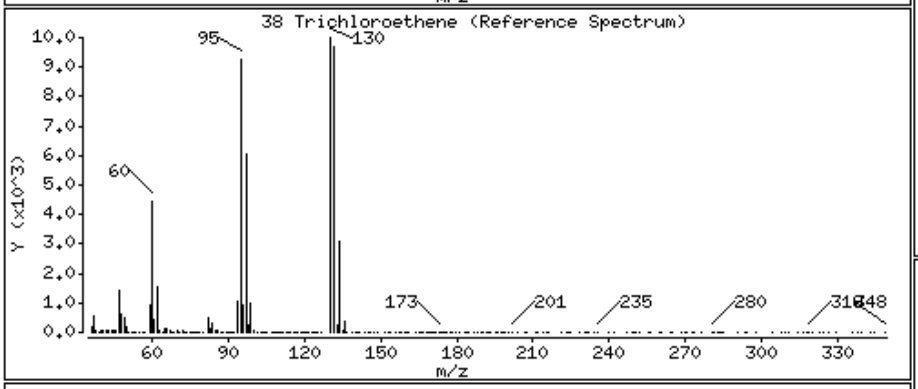
Purge Volume: 5.0 Operator: PC

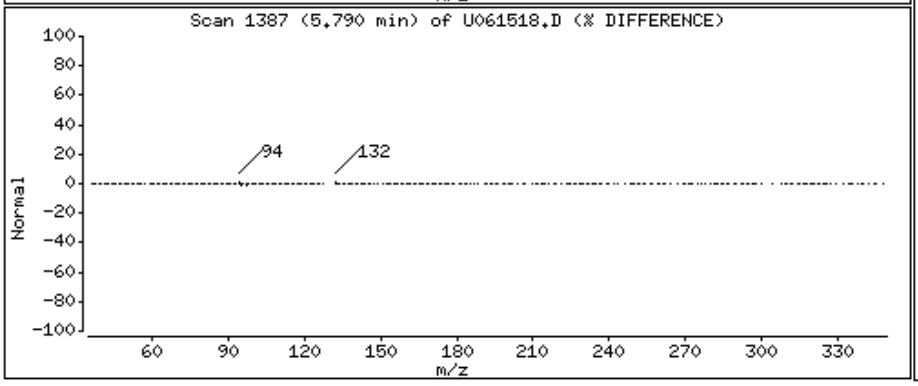
Column phase: DB624 Column diameter: 0.18

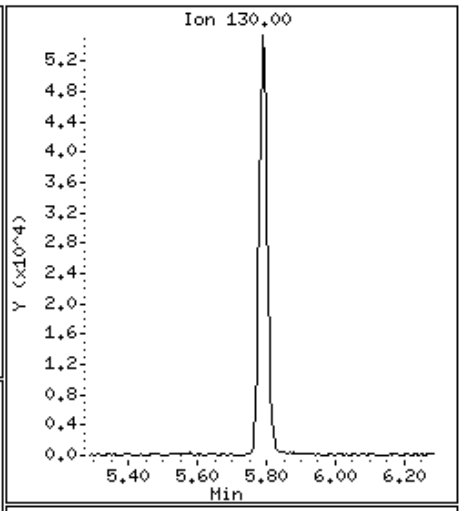
38 Trichloroethene Concentration: 182.79 ug/l

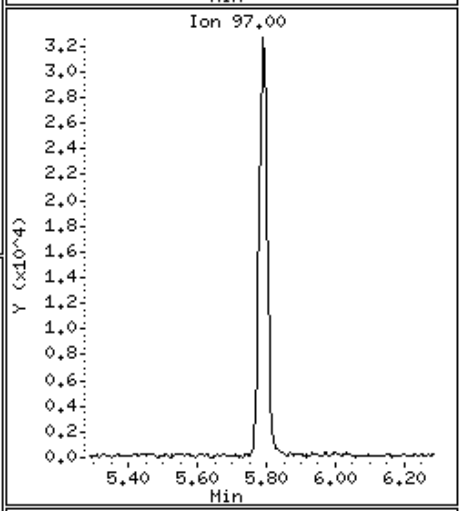


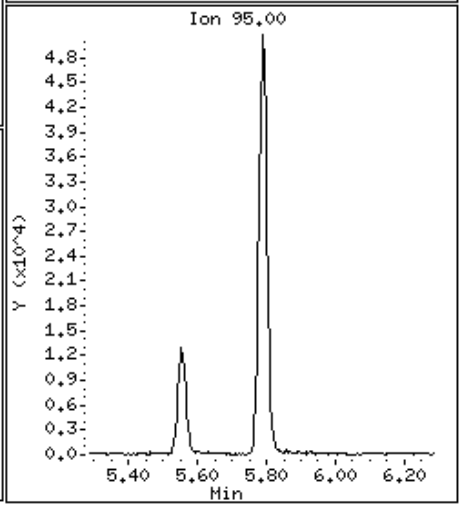












Data File: \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061518.D Page 3

Date : 15-JUN-2023 18:02

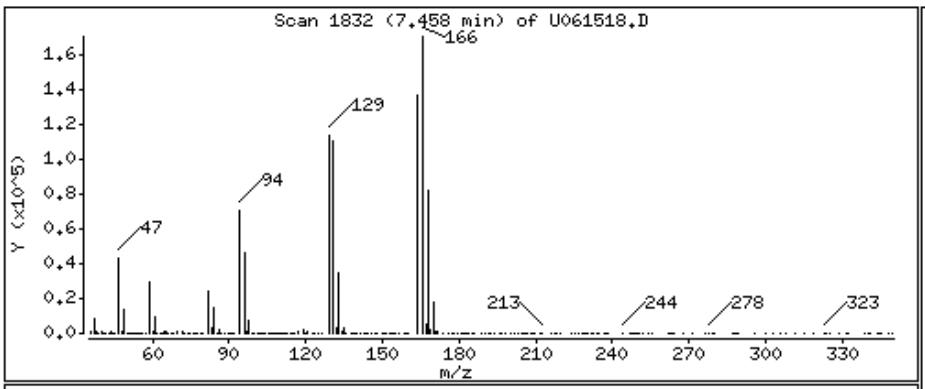
Client ID: HS23060596-05 Instrument: VOA9.i

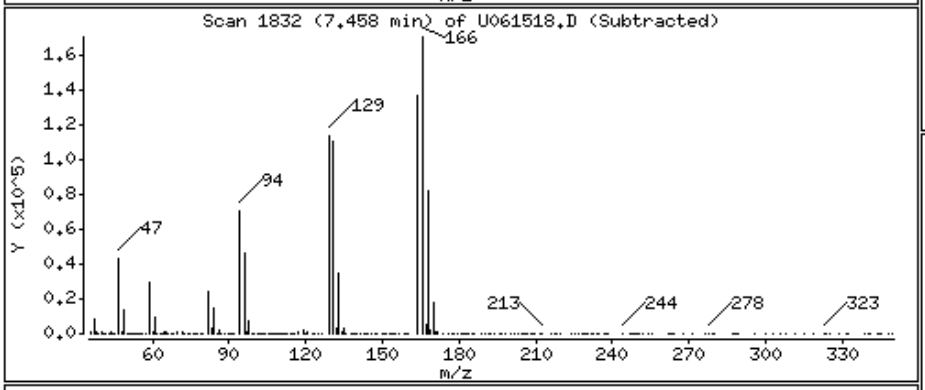
Sample Info: HS23060596-05;HS23060596-05;;;

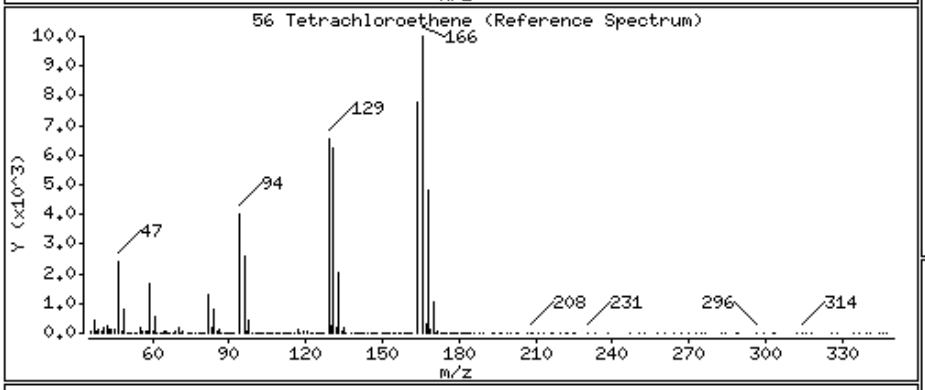
Purge Volume: 5.0 Operator: PC

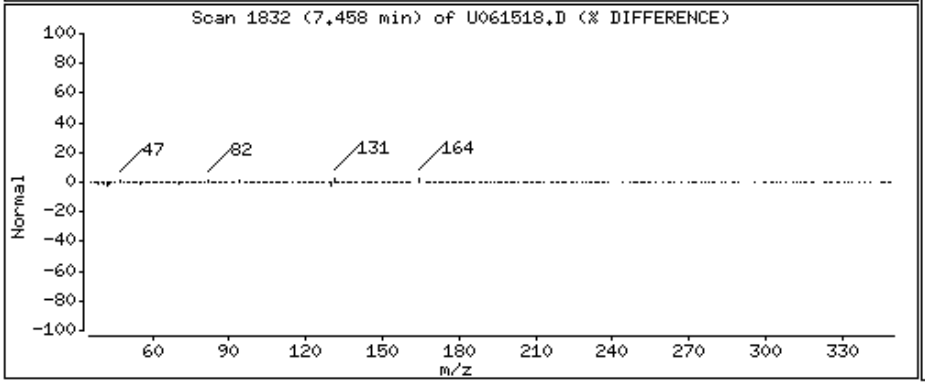
Column phase: DB624 Column diameter: 0.18

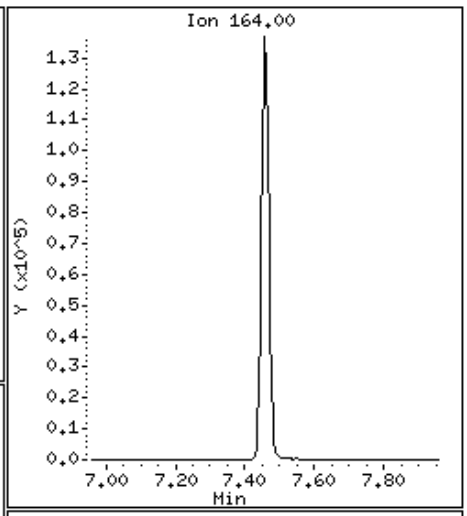
56 Tetrachloroethene Concentration: 458.12 ug/l

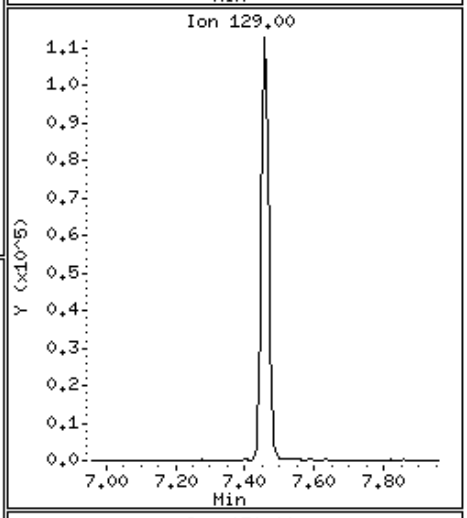


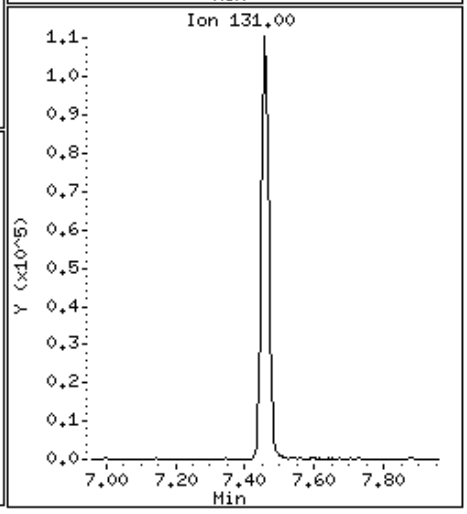












Data File : \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061518.D
Inj Date : 15-JUN-2023 18:02
InstruID : VOA9.i
LabSampID : HS23060596-05

NO MANUAL INTEGRATIONS

Data File: \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061530.D Page 1
Report Date: 16-Jun-2023 13:08

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061530.D
Lab Smp Id: CCV-END Client Smp ID: CCV-END
Inj Date : 15-JUN-2023 22:30
Operator : PC Inst ID: VOA9.i
Smp Info : CCV-END;CCV-END;2;;;
Misc Info : V9;WATER;0;1;
Comment :
Method : \\NAHSTWS005\Target\chem\voa9.i\U230615.b\8260C.m
Meth Date : 16-Jun-2023 13:08 VOA9.i Quant Type: ISTD
Cal Date : 06-JUN-2023 13:50 Cal File: U060608.D
Als bottle: 29 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
* 1	Pentafluorobenzene	168	4.815	4.815	(1.000)	453333	50.0000	
2	Dichlorodifluoromethane	85	1.164	1.164	(0.242)	208660	50.0000	49.81
3	Chloromethane	50	1.295	1.295	(0.269)	356415	50.0000	52.18
5	Vinyl Chloride	62	1.377	1.377	(0.286)	240177	50.0000	50.08
6	Bromomethane	94	1.617	1.617	(0.336)	145614	50.0000	59.39
7	Chloroethane	64	1.700	1.700	(0.353)	169284	50.0000	52.40
8	Trichlorofluoromethane	101	1.895	1.895	(0.394)	331138	50.0000	60.12
9	Acrolein	56	2.262	2.262	(0.470)	26854	100.000	111.60
10	Acetone	43	2.408	2.408	(0.500)	195963	100.000	127.34
11	1,1-Dichloroethene	96	2.333	2.333	(0.485)	180213	50.0000	52.37
15	Iodomethane	142	2.468	2.468	(0.513)	143064	100.000	58.59
16	Acrylonitrile	53	3.064	3.064	(0.636)	188897	100.000	112.36
17	Methylene Chloride	84	2.794	2.794	(0.580)	232487	50.0000	56.36
18	Methyl tert-butyl ether	73	3.079	3.079	(0.640)	605784	50.0000	57.40
19	Carbon Disulfide	76	2.521	2.521	(0.524)	960871	100.000	104.45
20	trans-1,2-Dichloroethene	96	3.057	3.057	(0.635)	199032	50.0000	53.18
21	Vinyl Acetate	43	3.611	3.611	(0.750)	648144	100.000	56.81
22	1,1-Dichloroethane	63	3.514	3.514	(0.730)	379648	50.0000	53.38
24	2-Butanone	43	4.268	4.268	(0.886)	215442	100.000	104.23
26	2,2-Dichloropropane	77	4.181	4.181	(0.868)	133852	50.0000	28.63

27 cis-1,2-Dichloroethene	96	4.196	4.196 (0.872)	237798	50.0000	53.11
28 Chloroform	83	4.571	4.571 (0.949)	411715	50.0000	55.62

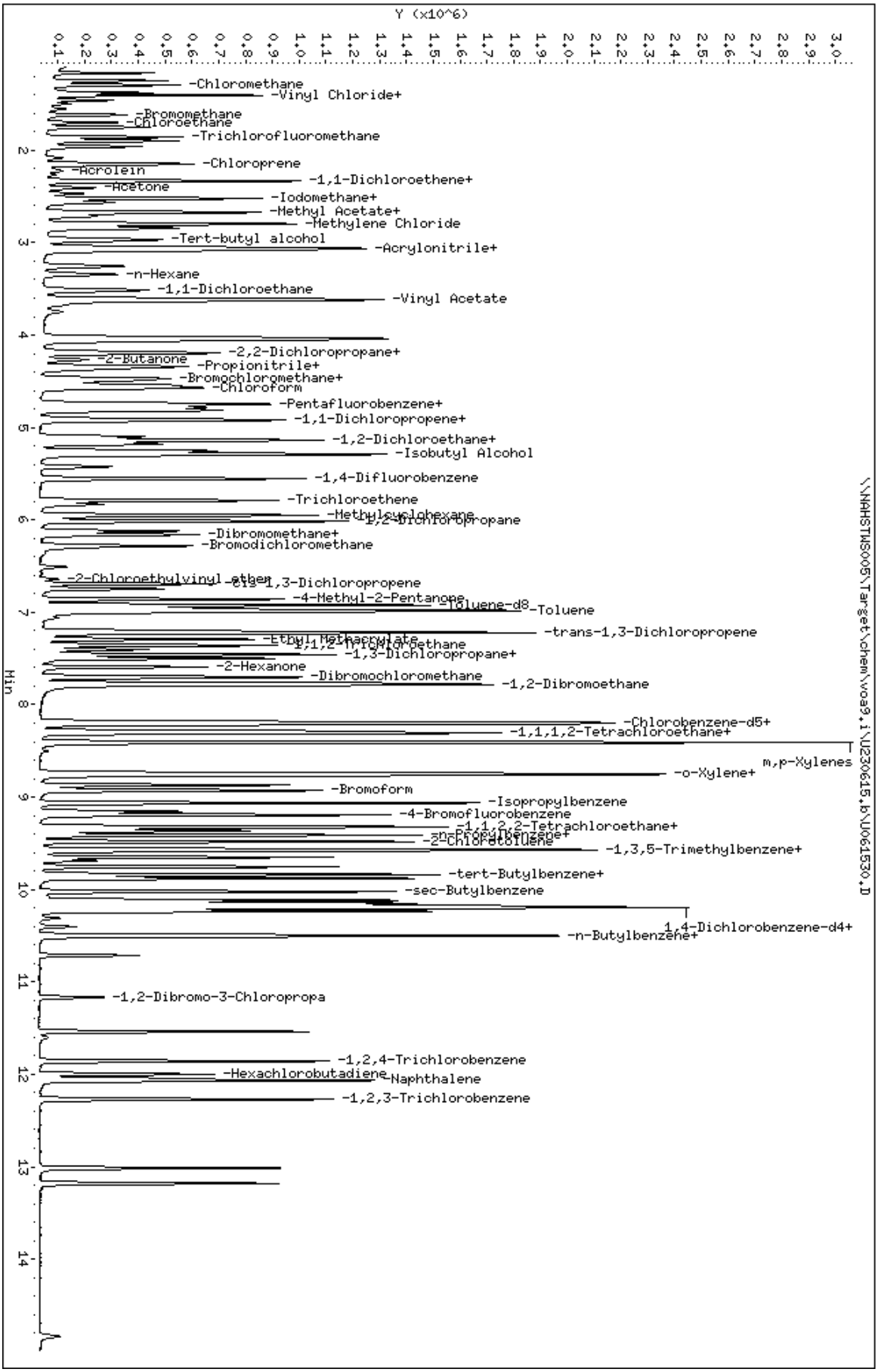
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	29 Bromochloromethane	128	4.470	4.470	(0.928)	132155	50.0000	52.77
$	30 Dibromofluoromethane	113	4.747	4.747	(0.986)	211803	50.0000	55.69
	31 1,1,1-Trichloroethane	97	4.744	4.744	(0.985)	325950	50.0000	57.77
	32 1,1-Dichloropropene	75	4.920	4.920	(0.886)	259119	50.0000	48.85
	33 1,2-Dichloroethane	62	5.178	5.178	(0.933)	341703	50.0000	54.55
	34 Carbon Tetrachloride	117	4.912	4.912	(0.885)	263224	50.0000	54.03
$	35 1,2-Dichloroethane-d4	65	5.100	5.100	(1.059)	255557	50.0000	62.23
*	36 1,4-Difluorobenzene	114	5.553	5.553	(1.000)	723685	50.0000	
	37 Benzene	78	5.137	5.137	(0.925)	862111	50.0000	49.43
	38 Trichloroethene	130	5.789	5.789	(1.043)	281318	50.0000	55.65
	39 Bromodichloromethane	83	6.281	6.281	(1.131)	303854	50.0000	55.85
	41 2-Chloroethylvinyl ether	63	6.577	6.577	(1.184)	5818	100.000	44.21
	42 1,2-Dichloropropane	63	6.011	6.011	(1.082)	234399	50.0000	50.34
	44 Dibromomethane	93	6.119	6.119	(1.102)	162725	50.0000	54.69
	45 4-Methyl-2-Pentanone	43	6.858	6.858	(0.838)	531738	100.000	101.32
	46 cis-1,3-Dichloropropene	75	6.693	6.693	(1.205)	299443	50.0000	41.42
*	47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	720641	50.0000	
$	48 Toluene-d8	98	6.922	6.922	(0.846)	836524	50.0000	51.28
	50 Toluene	91	6.982	6.982	(0.853)	983600	50.0000	50.32
	51 trans-1,3-Dichloropropene	75	7.199	7.199	(1.296)	258305	50.0000	42.54
	52 2-Hexanone	43	7.593	7.593	(0.928)	354635	100.000	97.03
	53 1,1,2-Trichloroethane	83	7.356	7.356	(0.899)	197365	50.0000	48.53
	54 1,3-Dichloropropane	76	7.499	7.499	(0.916)	413979	50.0000	49.82
	55 Dibromochloromethane	129	7.694	7.694	(0.940)	267836	50.0000	55.50
	56 Tetrachloroethene	164	7.458	7.458	(0.911)	228062	50.0000	47.89
	57 1,2-Dibromoethane	107	7.784	7.784	(0.951)	251336	50.0000	50.09
	58 1-Chlorohexane	55	8.196	8.196	(1.476)	172178	50.0000	46.33
	59 Chlorobenzene	112	8.211	8.211	(1.003)	673650	50.0000	48.29
	60 1,1,1,2-Tetrachloroethane	131	8.286	8.286	(1.012)	253184	50.0000	52.80
	61 Ethylbenzene	106	8.309	8.309	(1.015)	323000	50.0000	49.74
	62 m,p-Xylenes	106	8.410	8.410	(1.027)	803807	100.000	104.64
	63 o-Xylene	106	8.747	8.747	(1.069)	394337	50.0000	51.96
	64 Styrene	104	8.762	8.762	(1.071)	651811	50.0000	54.12
	66 Bromoform	173	8.920	8.920	(1.090)	180086	50.0000	55.28
	67 Isopropylbenzene	105	9.062	9.062	(1.107)	963667	50.0000	52.87
	68 1,1,2,2-Tetrachloroethane	83	9.328	9.328	(0.917)	281458	50.0000	38.99
$	69 4-Bromofluorobenzene	95	9.193	9.193	(1.123)	348706	50.0000	54.33
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	383736	50.0000	
	71 1,2,3-Trichloropropane	75	9.362	9.362	(0.920)	296116	50.0000	46.63
	73 n-Propylbenzene	91	9.411	9.411	(0.925)	996987	50.0000	49.53
	74 Bromobenzene	156	9.317	9.317	(0.916)	301960	50.0000	46.63
	75 1,3,5-Trimethylbenzene	105	9.564	9.564	(0.940)	676898	50.0000	49.01
	76 2-Chlorotoluene	91	9.482	9.482	(0.932)	702307	50.0000	49.63
	77 4-Chlorotoluene	91	9.576	9.576	(0.941)	777662	50.0000	49.65
	78 tert-Butylbenzene	119	9.838	9.838	(0.967)	674521	50.0000	49.73
	79 1,2,4-Trimethylbenzene	105	9.879	9.879	(0.971)	678381	50.0000	46.95
	81 sec-Butylbenzene	105	10.022	10.022	(0.985)	833765	50.0000	48.47
	82 p-Isopropyltoluene	119	10.145	10.145	(0.997)	696561	50.0000	48.34
	83 1,3-Dichlorobenzene	146	10.115	10.115	(0.994)	506271	50.0000	46.03
	84 1,4-Dichlorobenzene	146	10.190	10.190	(1.002)	533008	50.0000	45.45
	87 n-Butylbenzene	91	10.494	10.494	(1.032)	550314	50.0000	44.61
	88 1,2-Dichlorobenzene	146	10.505	10.505	(1.033)	520534	50.0000	47.21

89	1,2-Dibromo-3-Chloropropane	155	11.169	11.169 (1.098)	50136	50.0000	47.59
90	1,2,4-Trichlorobenzene	180	11.859	11.859 (1.166)	327577	50.0000	43.19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	
91	Hexachlorobutadiene	225	11.997	11.997	(1.179)	117671	50.0000	38.42	
92	Naphthalene	128	12.069	12.069	(1.186)	854849	50.0000	48.52	
93	1,2,3-Trichlorobenzene	180	12.271	12.271	(1.206)	332068	50.0000	44.78	
M 94	1,2-Dichloroethylene (total)	96				436830	100.000		(a)
135	1,4-Dioxane	88	6.168	6.168	(1.281)	61911	1000.00	687.78	
141	Cyclohexane	56	4.781	4.781	(0.993)	261359	50.0000	46.98	
138	Freon TF	101	2.333	2.333	(0.485)	156728	50.0000	51.47	
140	1,3-Butadiene	54	1.404	1.404	(0.292)	207568	50.0000	48.34	
147	Methylcyclohexane	55	5.951	5.951	(1.072)	511551	50.0000	50.95	
146	Methyl Acetate	43	2.712	2.712	(0.563)	204376	50.0000	53.54	
148	Tert-Butyl alcohol	59	2.970	2.970	(0.617)	482883	1000.00	1153.61	
149	Isopropyl Alcohol	45	2.566	2.566	(0.533)	308163	1000.00	1039.83	
72	trans-1,4-Dichloro-2-butene	53	9.377	9.377	(1.146)	31458	50.0000	37.91	
12	Isobutyl Alcohol	43	5.287	5.287	(1.098)	773505	1000.00	1313.24	
13	Acetonitrile	39	2.671	2.671	(0.555)	280189	500.000	570.87	
14	Allyl Chloride	41	2.671	2.671	(0.555)	602653	50.0000	51.20	
25	Methacrylonitrile	41	4.496	4.496	(0.934)	142614	50.0000	53.24	
40	Methyl Methacrylate	41	6.157	6.157	(1.279)	223231	50.0000	57.27	
4	Propionitrile	54	4.339	4.339	(0.901)	354608	500.000	541.32	
136	n-Hexane	57	3.342	3.342	(0.694)	128599	50.0000	34.33	
131	Methyl Acrylate	55	4.369	4.369	(0.907)	267570	50.0000	55.80	
23	Chloroprene	53	2.157	2.157	(0.448)	76073	50.0000	52.61	
49	Ethyl Methacrylate	69	7.293	7.293	(1.313)	339787	50.0000	53.56	
166	1,2,3-Trimethylbenzene	105	10.235	10.235	(1.006)	745744	50.0000	50.55	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).



Data File: \\NAHSTWS005\Target\chem\voa9,i\U230615,b\U061530,D
Date : 15-JUN-2023 22:30
Client ID: CCV-END
Sample Info: CCV-END;CCV-END;2;;;
Purge Volume: 5.0
Column phase: DB624

Instrument: VOA9,i
Operator: PC
Column diameter: 0.18

Data File : \\NAHSTWS005\Target\chem\voa9.i\U230615.b\U061530.D
Inj Date : 15-JUN-2023 22:30
InstruID : VOA9.i
LabSampID : CCV-END

NO MANUAL INTEGRATIONS

HS23060596 - ME - ICP_W_DOD

ALS WO# HS23060596

ALS Houston, US Date: 22-Jun-23

Form 11 - INTERNAL STANDARD ASSOCIATION

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060596

Instrument:ICPMS06

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: 22-Jun-23

FORM 13 - ANALYSIS RUN LOG

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060596
Start Date: 20-Jun-2023 End Date: 20-Jun-2023

Run ID:ICPMS06_439315
Instrument:ICPMS06
Method:

Sample No.	D/F	Time	FileID	Analytes
ICPMS06_439315_Tune	1	20-Jun-2023 00:00	ICPMS06_439315_Tune_1	
CAL BLK	1	20-Jun-2023 10:07	019CALB.d_7372048	AS
2/10/200	1	20-Jun-2023 10:09	020CALS.d_7372049	AS
5/25/500	1	20-Jun-2023 10:11	021CALS.d_7372050	AS
10/50/100	1	20-Jun-2023 10:13	022CALS.d_7372051	AS
100/500/10K	1	20-Jun-2023 10:15	023CALS.d_7372052	AS
200/1000/20K	1	20-Jun-2023 10:17	024CALS.d_7372053	AS
ICV	1	20-Jun-2023 10:23	026_ICV.d_7372055	AS
LLICV5	1	20-Jun-2023 10:27	028LCV5.d_7372057	AS
ICB	1	20-Jun-2023 10:29	029_ICB.d_7372058	AS
LLICV2	1	20-Jun-2023 10:51	031LCV2.d_7372099	AS
ICSA	1	20-Jun-2023 10:53	032ICSA.d_7372100	AS
ICSAB	1	20-Jun-2023 10:55	033ICSB.d_7372101	AS
CCV 1	1	20-Jun-2023 12:14	067_CCV.d_7372558	AS
CCB 1	1	20-Jun-2023 12:15	068_CCB.d_7372559	AS
CCV 2	1	20-Jun-2023 12:38	079_CCV.d_7372687	AS
CCB 2	1	20-Jun-2023 12:39	080_CCB.d_7372688	AS
CCV 3	1	20-Jun-2023 13:02	091_CCV.d_7372681	AS
CCB 3	1	20-Jun-2023 13:04	092_CCB.d_7372682	AS
CCV 4	1	20-Jun-2023 13:31	099_CCV.d_7372778	AS
CCB 4	1	20-Jun-2023 13:33	100_CCB.d_7372779	AS
MBLK-195358	1	20-Jun-2023 13:53	110SMPL.d_7372996	AS
LCS-195358	1	20-Jun-2023 13:55	111SMPL.d_7372997	AS
ZZZZZZSD	25	20-Jun-2023 14:12	115SMPL.d_7373001	AS
ZZZZZZMS	5	20-Jun-2023 14:14	116SMPL.d_7373002	AS
ZZZZZZMSD	5	20-Jun-2023 14:16	117SMPL.d_7373003	AS
ZZZZZZPDS	5	20-Jun-2023 14:18	118SMPL.d_7373004	AS
CCV 5	1	20-Jun-2023 14:23	120_CCV.d_7373006	AS
CCB 5	1	20-Jun-2023 14:25	121_CCB.d_7373007	AS
ZZZZZZMSD	5	20-Jun-2023 14:42	129SMPL.d_7373028	
CCV 6	1	20-Jun-2023 14:56	131_CCV.d_7373112	AS
CCB 6	1	20-Jun-2023 14:58	132_CCB.d_7373113	AS
ZZZZZZSD	250	20-Jun-2023 15:20	135SMPL.d_7373116	
ZZZZZZPDS	50	20-Jun-2023 15:22	136SMPL.d_7373117	
CCV 7	1	20-Jun-2023 15:31	141_CCV.d_7373122	AS
CCB 7	1	20-Jun-2023 15:33	142_CCB.d_7373123	AS
CAL BLK	1	20-Jun-2023 21:59	322CALB.d_7374336	AS
2/10/200	1	20-Jun-2023 22:01	323CALS.d_7374323	AS
5/25/500	1	20-Jun-2023 22:03	324CALS.d_7374324	AS
10/50/100	1	20-Jun-2023 22:05	325CALS.d_7374325	AS
100/500/10K	1	20-Jun-2023 22:07	326CALS.d_7374326	AS
200/1000/20K	1	20-Jun-2023 22:08	327CALS.d_7374327	AS
ICV	1	20-Jun-2023 22:12	329_ICV.d_7374329	AS
LLCCV5	1	20-Jun-2023 22:16	331LCV5.d_7374331	AS
LLCCV2	1	20-Jun-2023 22:18	332LCV2.d_7374332	AS
ICCB 8	1	20-Jun-2023 22:20	333_ICB.d_7374333	AS
ICSA	1	20-Jun-2023 22:22	334ICSA.d_7374334	AS
ICSAB	1	20-Jun-2023 22:24	335ICSB.d_7374335	AS
CCV 8	1	20-Jun-2023 23:28	368_CCV.d_7374294	AS
CCB 9	1	20-Jun-2023 23:30	369_CCB.d_7374295	AS

ALS Houston, US

Date: 22-Jun-23

FORM 13 - ANALYSIS RUN LOG

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060596
Start Date: 20-Jun-2023 End Date: 20-Jun-2023

Run ID:ICPMS06_439315
Instrument:ICPMS06
Method:

Sample No.	D/F	Time	FileID	Analytes
03WW01_060623	1	20-Jun-2023 23:37	373SMPL.d_7374299	AS
35AWW08_060623	1	20-Jun-2023 23:39	374SMPL.d_7374300	AS
35AWW01_060623	1	20-Jun-2023 23:43	376SMPL.d_7374302	AS
35AWW09_060623	1	20-Jun-2023 23:45	377SMPL.d_7374303	AS
35AWW09_060623_a	1	20-Jun-2023 23:48	378SMPL.d_7374304	AS
CCV 9	1	20-Jun-2023 23:51	380_CCV.d_7374306	AS
CCB 10	1	20-Jun-2023 23:53	381_CCB.d_7374307	AS

ALS Houston, US

Date: 22-Jun-23

Form 2 - Initial and Continuing Calibration Verification

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060596

Run ID: ICPMS06_439315
Instrument: ICPMS06
Method: SW6020A

ICV	Date: 20-Jun-2023 10:23		Seq: 7372055	ICV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Arsenic	100	101.375	101	90-110	

CCV1	Date: 20-Jun-2023 12:14		Seq: 7372558	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Arsenic	100	95.187	95	90-110	

CCV2	Date: 20-Jun-2023 12:38		Seq: 7372687	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Arsenic	100	94.921	95	90-110	

CCV3	Date: 20-Jun-2023 13:02		Seq: 7372681	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Arsenic	100	94.627	95	90-110	

CCV4	Date: 20-Jun-2023 13:31		Seq: 7372778	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Arsenic	100	98.661	99	90-110	

CCV5	Date: 20-Jun-2023 14:23		Seq: 7373006	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Arsenic	100	98.312	98	90-110	

CCV6	Date: 20-Jun-2023 14:56		Seq: 7373112	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Arsenic	100	98.157	98	90-110	

CCV7	Date: 20-Jun-2023 15:31		Seq: 7373122	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Arsenic	100	97.704	98	90-110	

ICV	Date: 20-Jun-2023 22:12		Seq: 7374329	ICV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Arsenic	100	101.073	101	90-110	

CCV8	Date: 20-Jun-2023 23:28		Seq: 7374294	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Arsenic	100	98.893	99	90-110	

CCV9	Date: 20-Jun-2023 23:51		Seq: 7374306	CCV	Units: ug/L
Analyte	**True**	**Found**	**%R**	**Control Limits**	**Flag**
Arsenic	100	98.554	99	90-110	

ALS Houston, US

Date: 22-Jun-23

Form 3 - BLANKS

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060596

Run ID: ICPMS06_439315
Instrument: ICPMS06
Method: SW6020A

ICB	Date: 20-Jun-2023 10:29		Seq: 7372058	ICB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Arsenic	5	0.4	5	U	

CCB1	Date: 20-Jun-2023 12:15		Seq: 7372559	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Arsenic	2	0.4	2	U	

CCB2	Date: 20-Jun-2023 12:39		Seq: 7372688	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Arsenic	2	0.4	2	U	

CCB3	Date: 20-Jun-2023 13:04		Seq: 7372682	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Arsenic	2	0.4	2	U	

CCB4	Date: 20-Jun-2023 13:33		Seq: 7372779	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Arsenic	2	0.4	2	U	

MBLK-195358	Date: 20-Jun-2023 13:53		Seq: 7372996	MBLK	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Arsenic	5	0.4	5	U	

CCB5	Date: 20-Jun-2023 14:25		Seq: 7373007	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Arsenic	2	0.4	2	U	

CCB6	Date: 20-Jun-2023 14:58		Seq: 7373113	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Arsenic	2	0.4	2	U	

CCB7	Date: 20-Jun-2023 15:33		Seq: 7373123	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Arsenic	2	0.4	2	U	

ICCB8	Date: 20-Jun-2023 22:20		Seq: 7374333	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Arsenic	5	0.4	5	U	

CCB9	Date: 20-Jun-2023 23:30		Seq: 7374295	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Arsenic	2	0.4	2	U	

CCB10	Date: 20-Jun-2023 23:53		Seq: 7374307	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Arsenic	2	0.4	2	U	

ALS Houston, US Date: 22-Jun-23

Form 4 - ICP Interference Check Sample

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060596

Run ID: ICPMS06_439315
Instrument: ICPMS06
Method: SW6020A

ICSA	Date: 20-Jun-2023 10:53	Seq: 7372100	ICSA	Units: ug/L
Analyte	**True**	**Found**	**%R**	
Arsenic		0.287	0	

ICSAB	Date: 20-Jun-2023 10:55	Seq: 7372101	ICSAB	Units: ug/L
Analyte	**True**	**Found**	**%R**	
Arsenic	100	93.24	93.2	

ICSA	Date: 20-Jun-2023 22:22	Seq: 7374334	ICSA	Units: ug/L
Analyte	**True**	**Found**	**%R**	
Arsenic		0.362	0	

ICSAB	Date: 20-Jun-2023 22:24	Seq: 7374335	ICSAB	Units: ug/L
Analyte	**True**	**Found**	**%R**	
Arsenic	100	97.32	97.3	

ALS Houston, US

Date: 22-Jun-23

Form 5A - Matrix Spike/Matrix Spike Duplicate Recovery

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060596

Date Analyzed: 20-Jun-2023 14:16
Date Extracted: 17-Jun-2023 11:00
Units: ug/L

Matrix Spike: HS23060391-02MS
Client Sample ID:

Analysis Method: SW6020A

Analyte	Sample Result	MS Result	Spike Amount	% Rec	MSD Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Arsenic	25.00	48.17	50.00	95.0	48.70	50.00	96.0	84-116	1.09	20

ALS Houston, US

Date: 22-Jun-23

Form 5B - Post Digest Sample Recovery

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060596

Date Analyzed: 20-Jun-2023 14:18
Date Extracted: 17-Jun-2023 11:00
Units: ug/L

Lab Sample ID: HS23060391-02PDS
Client Sample ID:

Analysis Method: SW6020A

Analyte	Sample Result	PDS Result	Spike Amount	% Rec	% Rec Limits
Arsenic	0	516.1	500	103	80-120

ALS Houston, US

Date: 22-Jun-23

Form 7 - Laboratory Control Sample

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060596

Date Analyzed: 20-Jun-2023 13:55
Date Extracted: 17-Jun-2023 11:00
Units: ug/L

Lab Sample ID: LCS-195358

Analysis Method: SW6020A

Analyte	Spike Amount	LCS Result	% Rec	% Rec Limits
Arsenic	50	46.39	93	84-116

ALS Houston, US

Date: 22-Jun-23

Form 8 - ICP Serial Dilutions

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060596

Date Analyzed: 20-Jun-2023 14:12
Date Extracted: 17-Jun-2023 11:00
Units: ug/L

Lab Sample ID: HS23060391-02SD
Client Sample ID:

Analysis Method: SW6020A

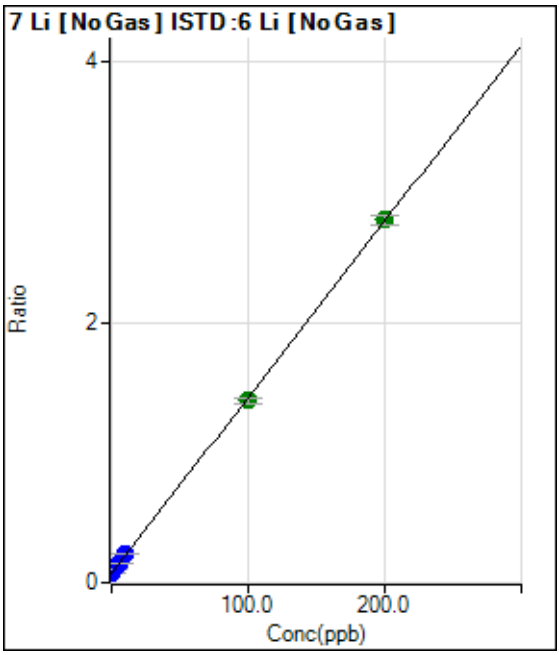
Analyte	Sample Result	C	SD Result	C	RPD	Q
Arsenic	0	U	0	U	0	

Calibration for 392_ICV.d

Batch Folder: C:\Agilent\ICPMH\1\DATA\062023A.b\
Analysis File: 062023A.batch.bin
DA Date-Time: 6/21/2023 12:15:42 AM
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	385CALB.d	CAL BLK	6/21/2023 12:01:46 AM
2	386CALS.d	2/10/200	6/21/2023 12:03:41 AM
3	387CALS.d	5/25/500	6/21/2023 12:05:37 AM
4	388CALS.d	10/50/100	6/21/2023 12:07:32 AM
5	389CALS.d	100/500/10K	6/21/2023 12:09:27 AM
6	390CALS.d	200/1000/20K	6/21/2023 12:11:16 AM

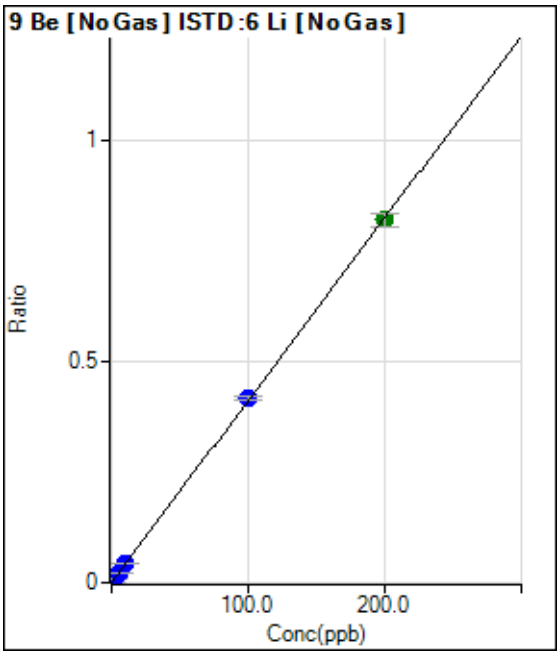
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	74996.67	0.0714	P	1.8
2	☐	2.000	2.208	105862.50	0.1013	P	1.1
3	☐	5.000	5.228	150044.82	0.1422	P	2.0
4	☐	10.000	11.013	226149.19	0.2204	P	2.6
5	☐	100.000	98.152	1436827.85	1.3992	A	3.5
6	☐	200.000	200.866	2715539.75	2.7886	A	2.6

y = 0.0135 * x + 0.0714
R = 0.9999
DL = 0.2893
BEC = 5.28

Weight: <None>
Min Conc: <None>

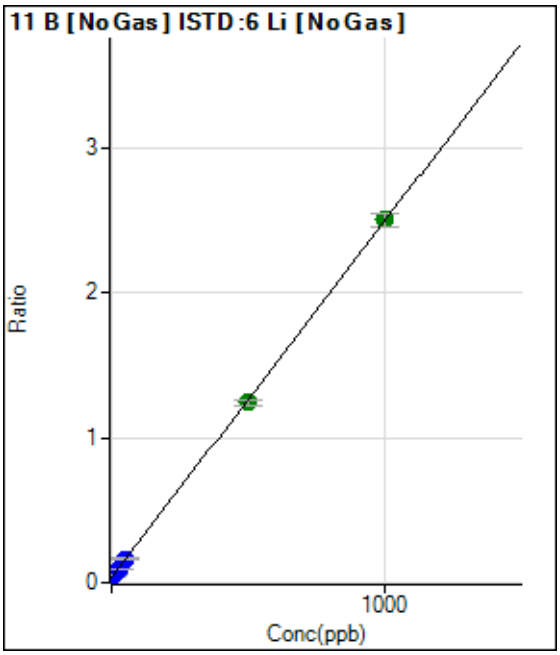


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	13.33	0.0000	P	23.6
2	☐	2.000	1.993	8581.03	0.0082	P	3.9
3	☐	5.000	5.062	22005.56	0.0208	P	2.2
4	☐	10.000	10.481	44271.20	0.0432	P	3.2
5	☐	100.000	101.603	429507.97	0.4182	P	2.5
6	☐	200.000	199.173	797995.38	0.8198	A	3.8

y = 0.0041 * x + 1.2743E-005
R = 1.0000
DL = 0.002193
BEC = 0.003096

Weight: <None>
Min Conc: <None>

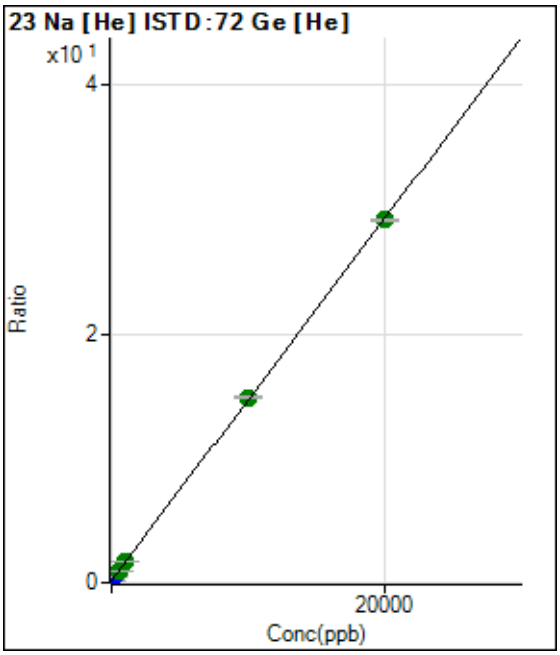
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	38024.65	0.0362	P	2.8
2	☐	10.000	9.428	62026.05	0.0594	P	3.2
3	☐	25.000	24.551	101873.14	0.0965	P	2.7
4	☐	50.000	51.487	166848.90	0.1627	P	4.3
5	☐	500.000	491.664	1277274.90	1.2438	A	3.6
6	☐	1000.000	1004.110	2435977.04	2.5025	A	3.8

y = 0.0025 * x + 0.0362
R = 0.9999
DL = 1.247
BEC = 14.75

Weight: <None>
Min Conc: <None>

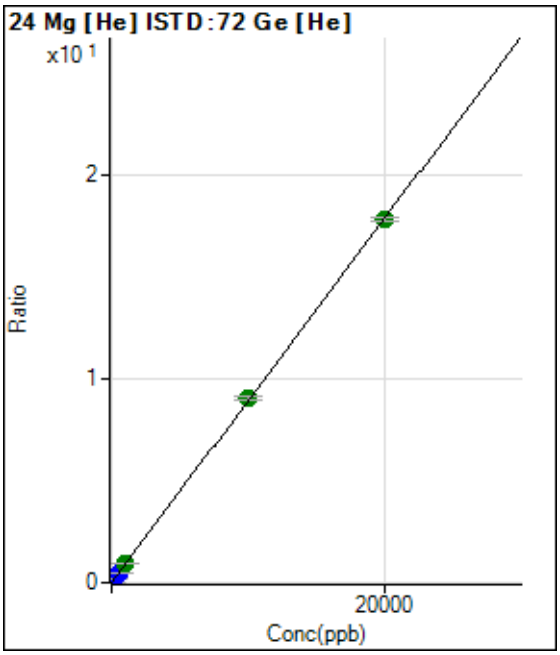


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	155070.74	0.1687	P	1.7
2	☐	200.000	215.358	451636.66	0.4822	P	1.7
3	☐	500.000	517.760	862234.78	0.9223	A	3.3
4	☐	1000.000	1039.167	1571075.39	1.6812	A	1.1
5	☐	10000.00	10121.49	13642116.05	14.9002	A	1.3
6	☐	20000.00	19936.69	26114393.78	29.1858	A	0.8

y = 0.0015 * x + 0.1687
R = 1.0000
DL = 5.879
BEC = 115.9

Weight: <None>
Min Conc: <None>

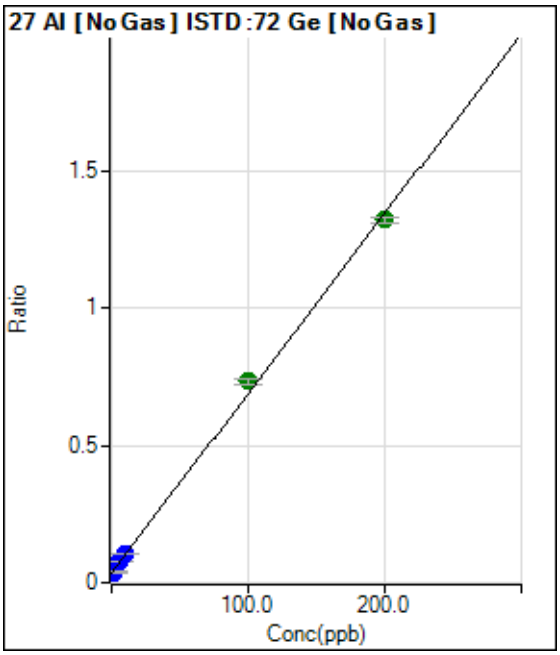
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3537.19	0.0038	P	1.9
2	☐	200.000	219.172	187268.04	0.1999	P	2.9
3	☐	500.000	554.556	467413.39	0.5000	P	2.0
4	☐	1000.000	1060.938	890589.44	0.9530	A	0.9
5	☐	10000.00	10131.18	8302079.25	9.0677	A	2.0
6	☐	20000.00	19929.80	15956975.59	17.8340	A	1.1

y = 8.9465E-004 * x + 0.0038
R = 1.0000
DL = 0.245
BEC = 4.302

Weight: <None>
Min Conc: <None>

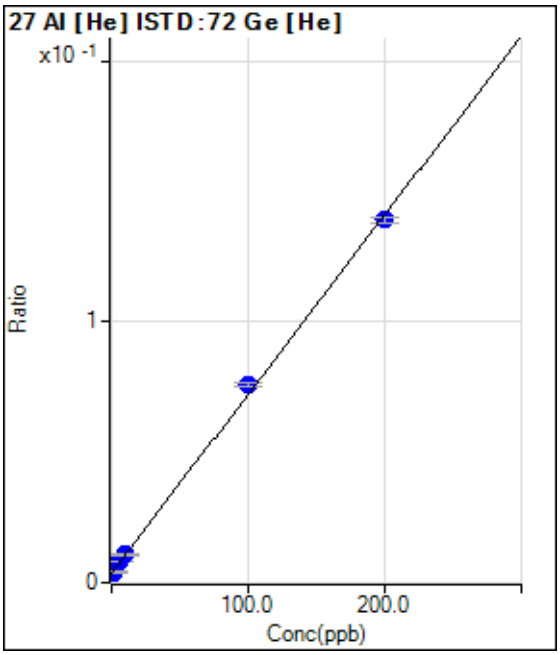


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	103831.78	0.0351	P	1.2
2	☐	2.000	0.472	114075.64	0.0381	P	3.0
3	☐	5.000	6.746	237747.07	0.0792	P	3.2
4	☐	10.000	10.879	317368.54	0.1063	P	2.1
5	☐	100.000	106.604	2155998.93	0.7328	A	2.5
6	☐	200.000	196.626	3816203.69	1.3220	A	1.7

y = 0.0065 * x + 0.0351
R = 0.9991
DL = 0.1899
BEC = 5.356

Weight: <None>
Min Conc: <None>

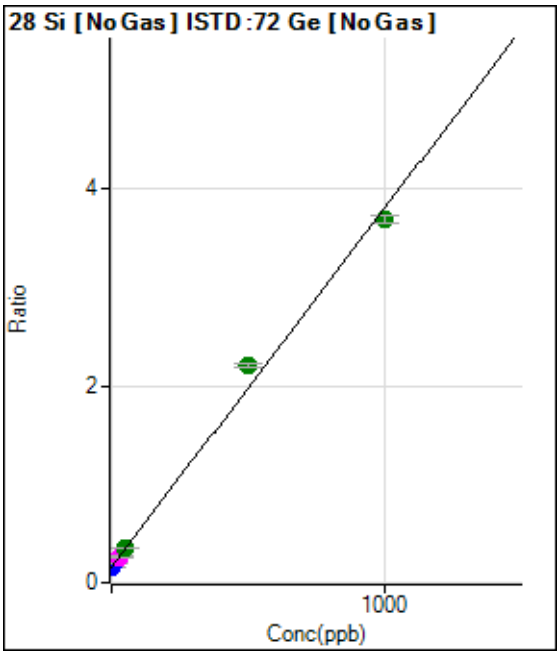
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3337.12	0.0036	P	5.6
2	☐	2.000	0.349	3623.99	0.0039	P	11.7
3	☐	5.000	6.335	7462.16	0.0080	P	3.2
4	☐	10.000	10.355	10037.09	0.0107	P	4.5
5	☐	100.000	105.124	69426.21	0.0758	P	2.3
6	☐	200.000	197.404	124556.83	0.1392	P	1.3

y = 6.8682E-004 * x + 0.0036
R = 0.9995
DL = 0.8879
BEC = 5.285

Weight: <None>
Min Conc: <None>

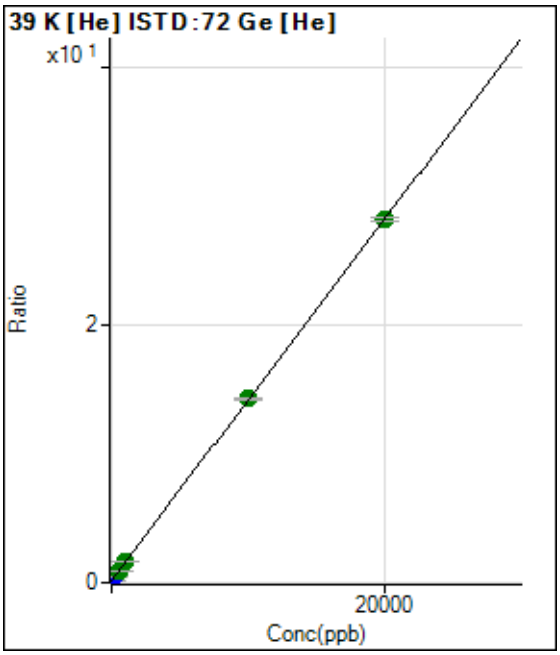


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	472104.97	0.1594	P	0.2
2	☐	10.000	10.875	595162.27	0.1990	P	1.6
3	☐	25.000	28.044	785369.15	0.2616	M	1.9
4	☐	50.000	52.086	1043123.37	0.3493	A	1.7
5	☐	500.000	563.910	6517970.32	2.2150	A	1.7
6	☐	1000.000	967.856	10644017.76	3.6874	A	2.0

y = 0.0036 * x + 0.1594
R = 0.9971
DL = 0.2523
BEC = 43.73

Weight: <None>
Min Conc: <None>

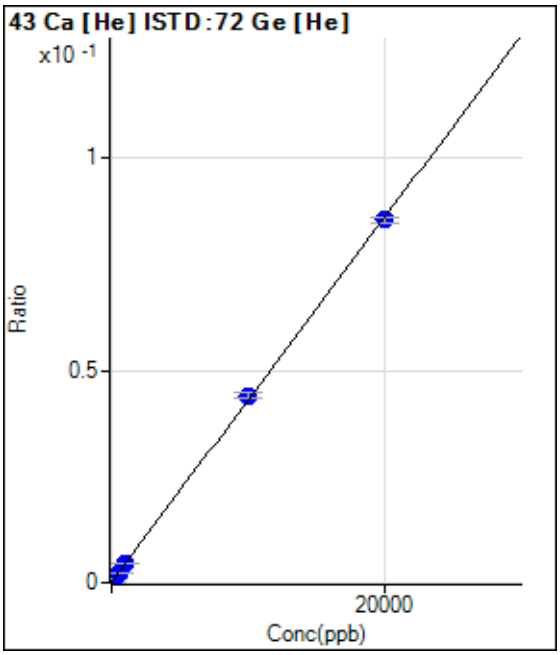
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	149705.67	0.1629	P	0.4
2	☐	200.000	211.948	431018.94	0.4602	P	1.0
3	☐	500.000	503.028	811892.44	0.8685	A	1.6
4	☐	1000.000	1040.782	1516367.84	1.6227	A	2.2
5	☐	10000.00	10065.78	13075723.97	14.2815	A	1.3
6	☐	20000.00	19964.87	25201805.46	28.1662	A	1.2

y = 0.0014 * x + 0.1629
R = 1.0000
DL = 1.441
BEC = 116.1

Weight: <None>
Min Conc: <None>

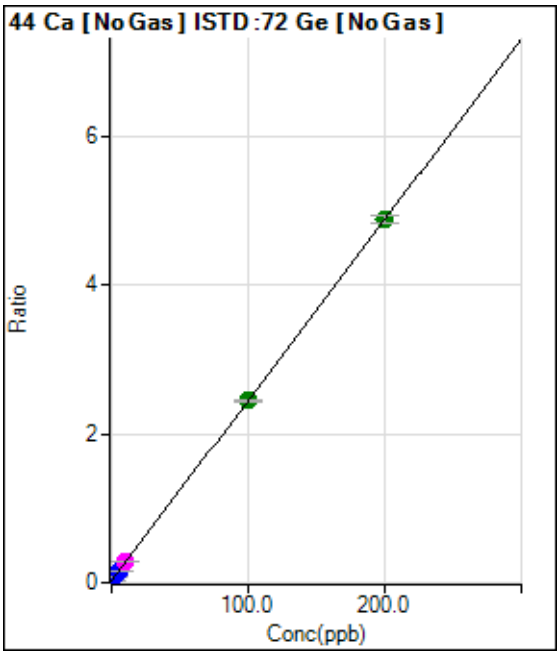


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	130.00	0.0001	P	52.5
2	☐	200.000	196.613	923.38	0.0010	P	10.4
3	☐	500.000	492.491	2110.22	0.0023	P	8.1
4	☐	1000.000	992.947	4117.36	0.0044	P	3.2
5	☐	10000.00	10253.56	40459.72	0.0442	P	3.2
6	☐	20000.00	19873.79	76511.55	0.0855	P	1.7

y = 4.2958E-006 * x + 1.4088E-004
R = 0.9999
DL = 51.66
BEC = 32.79

Weight: <None>
Min Conc: <None>

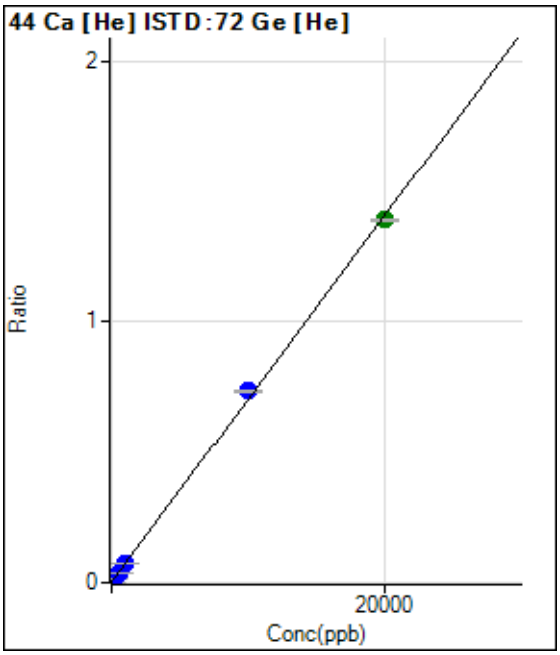
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	63741.43	0.0215	P	2.2
2	☐	2.000	2.058	213943.70	0.0716	P	2.7
3	☐	5.000	5.469	463757.99	0.1545	P	2.7
4	☐	10.000	10.801	848267.46	0.2841	M	4.7
5	☐	100.000	99.929	7212158.43	2.4510	A	1.6
6	☐	200.000	199.983	14096388.54	4.8836	A	2.1

y = 0.0243 * x + 0.0215
R = 1.0000
DL = 0.05784
BEC = 0.8853

Weight: <None>
Min Conc: <None>

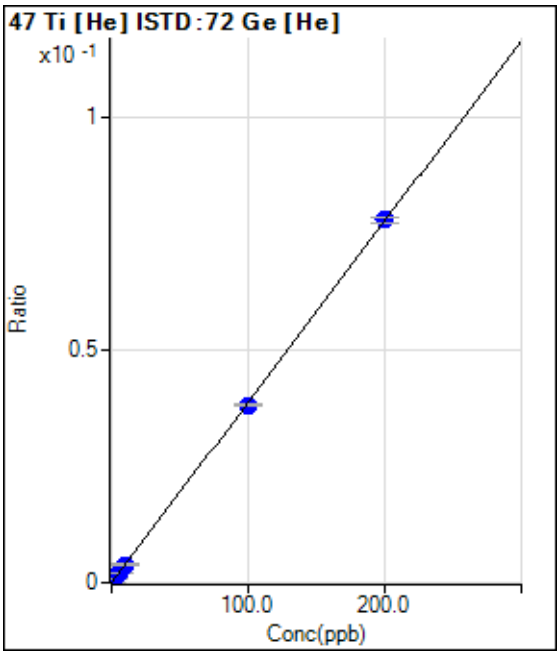


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2510.88	0.0027	P	17.5
2	☐	200.000	193.820	15305.45	0.0163	P	3.5
3	☐	500.000	510.584	36070.91	0.0386	P	1.8
4	☐	1000.000	1039.568	70765.23	0.0757	P	1.3
5	☐	10000.00	10423.19	672567.67	0.7346	P	1.8
6	☐	20000.00	19786.22	1245594.23	1.3920	A	0.5

y = 7.0215E-005 * x + 0.0027
R = 0.9997
DL = 20.47
BEC = 38.93

Weight: <None>
Min Conc: <None>

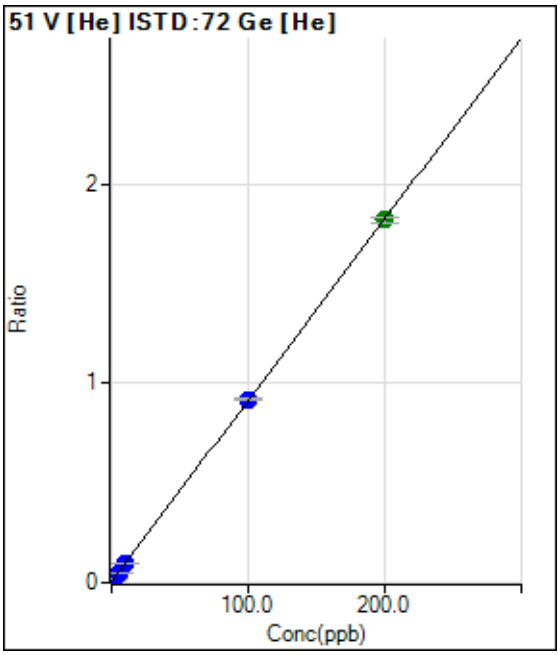
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	16.67	0.0000	P	69.6
2	☐	2.000	1.853	690.03	0.0007	P	12.9
3	☐	5.000	4.861	1780.14	0.0019	P	3.7
4	☐	10.000	10.001	3643.89	0.0039	P	11.2
5	☐	100.000	98.280	34921.28	0.0381	P	0.4
6	☐	200.000	200.865	69733.07	0.0779	P	1.4

y = 3.8790E-004 * x + 1.8157E-005
R = 0.9999
DL = 0.09769
BEC = 0.04681

Weight: <None>
Min Conc: <None>

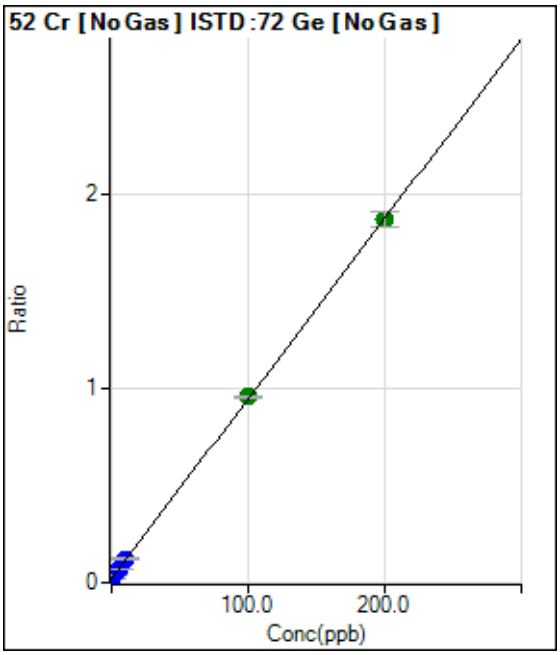


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4875.34	0.0053	P	3.1
2	☐	2.000	2.013	22113.42	0.0236	P	1.9
3	☐	5.000	5.037	47767.23	0.0511	P	1.6
4	☐	10.000	10.181	91445.95	0.0979	P	1.5
5	☐	100.000	100.613	842310.80	0.9200	P	1.0
6	☐	200.000	199.683	1628975.11	1.8206	A	1.5

y = 0.0091 * x + 0.0053
R = 1.0000
DL = 0.05485
BEC = 0.5836

Weight: <None>
Min Conc: <None>

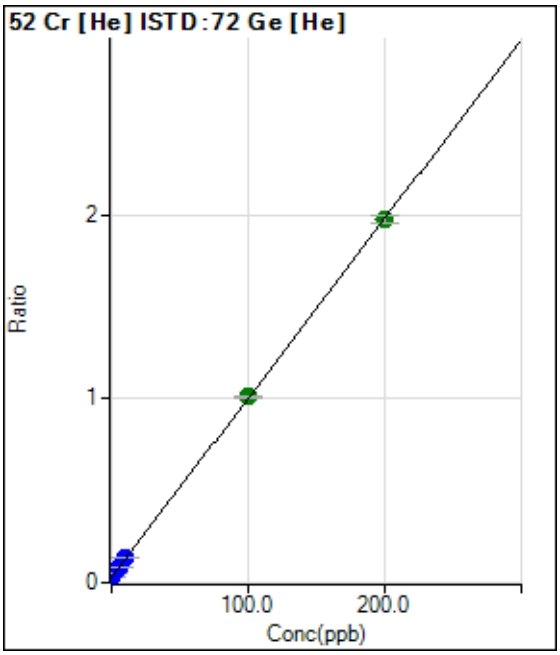
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	61498.10	0.0208	P	1.3
2	☐	2.000	2.236	123879.49	0.0414	P	3.2
3	☐	5.000	5.511	215254.91	0.0717	P	3.4
4	☐	10.000	11.112	368902.31	0.1235	P	1.6
5	☐	100.000	100.933	2807227.35	0.9540	A	1.8
6	☐	200.000	199.463	5382143.88	1.8651	A	4.4

y = 0.0092 * x + 0.0208
R = 1.0000
DL = 0.08703
BEC = 2.245

Weight: <None>
Min Conc: <None>

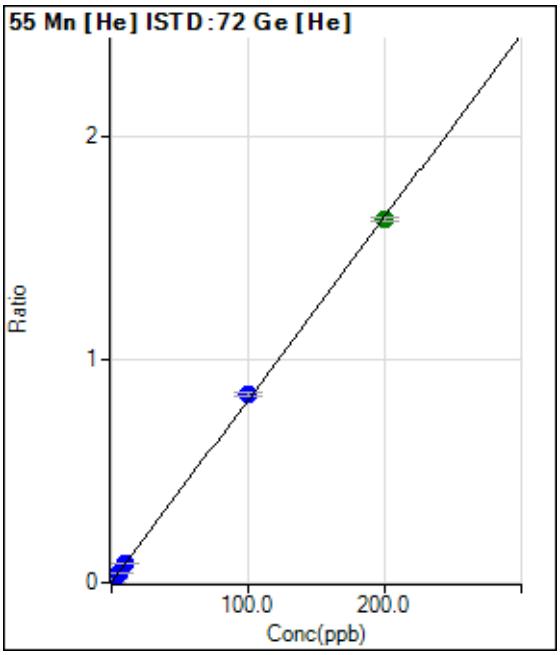


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	26652.86	0.0290	P	1.5
2	☐	2.000	2.259	47803.65	0.0510	P	0.8
3	☐	5.000	5.303	75470.64	0.0807	P	1.3
4	☐	10.000	10.610	123815.47	0.1325	P	0.5
5	☐	100.000	100.952	928140.61	1.0137	A	1.2
6	☐	200.000	199.483	1766880.91	1.9748	A	2.3

y = 0.0098 * x + 0.0290
R = 1.0000
DL = 0.1352
BEC = 2.973

Weight: <None>
Min Conc: <None>

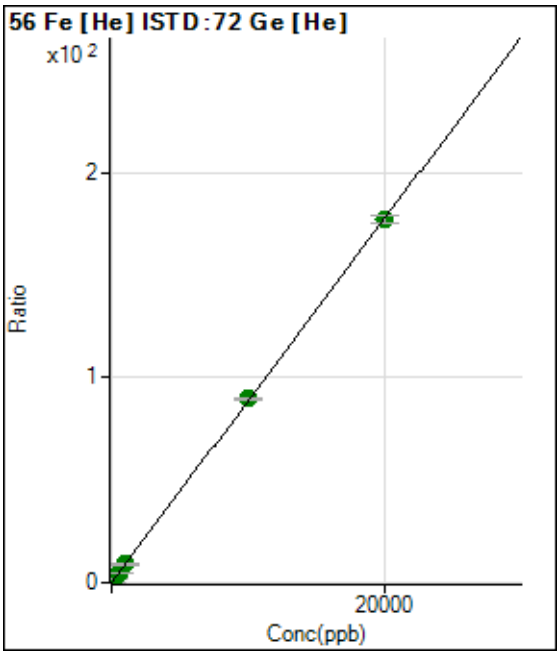
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1010.06	0.0011	P	11.7
2	☐	2.000	1.996	16310.06	0.0174	P	0.9
3	☐	5.000	5.288	41436.47	0.0443	P	1.5
4	☐	10.000	10.358	80144.33	0.0858	P	2.6
5	☐	100.000	102.961	771596.08	0.8427	P	1.6
6	☐	200.000	198.494	1452759.61	1.6237	A	1.2

y = 0.0082 * x + 0.0011
R = 0.9998
DL = 0.04716
BEC = 0.1343

Weight: <None>
Min Conc: <None>

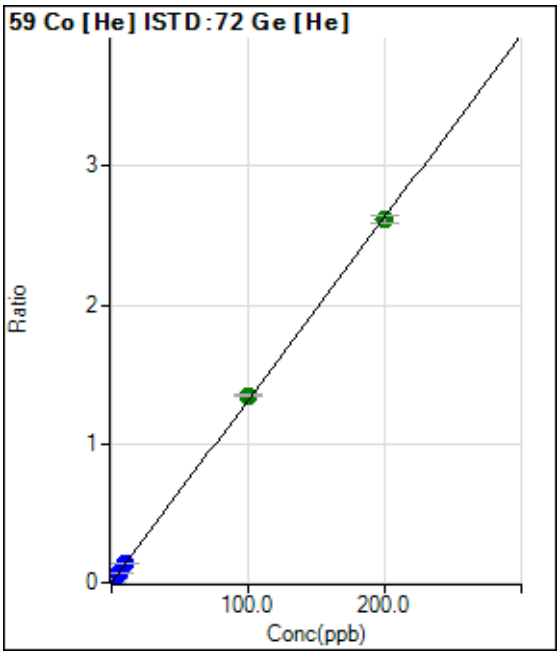


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	35463.05	0.0386	P	3.0
2	☐	200.000	210.575	1784303.57	1.9052	A	2.9
3	☐	500.000	509.323	4257078.79	4.5534	A	0.4
4	☐	1000.000	1009.133	8394762.79	8.9838	A	2.6
5	☐	10000.00	10120.90	82176282.11	89.7533	A	1.2
6	☐	20000.00	19938.75	158165974.3	176.781	A	2.1

y = 0.0089 * x + 0.0386
R = 1.0000
DL = 0.3864
BEC = 4.352

Weight: <None>
Min Conc: <None>

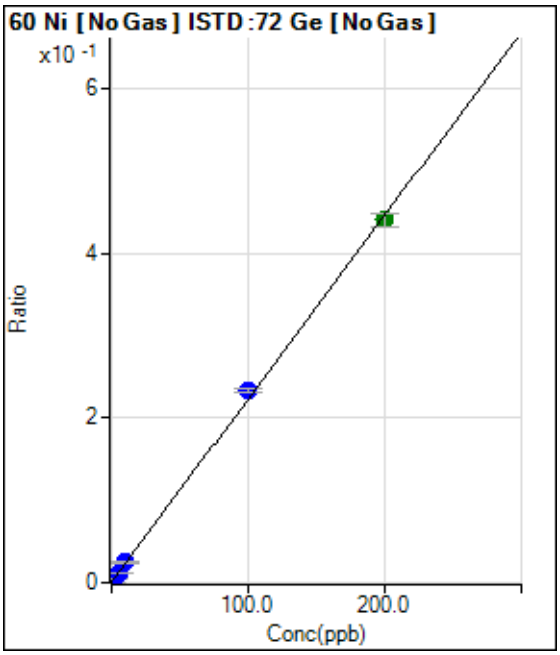
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	146.67	0.0002	P	27.5
2	☐	2.000	2.068	25614.39	0.0273	P	0.3
3	☐	5.000	5.267	64901.17	0.0694	P	0.9
4	☐	10.000	10.703	131657.56	0.1409	P	0.9
5	☐	100.000	102.546	1234647.27	1.3485	A	1.7
6	☐	200.000	198.684	2337494.24	2.6126	A	2.1

y = 0.0131 * x + 1.5953E-004
R = 0.9999
DL = 0.01002
BEC = 0.01213

Weight: <None>
Min Conc: <None>

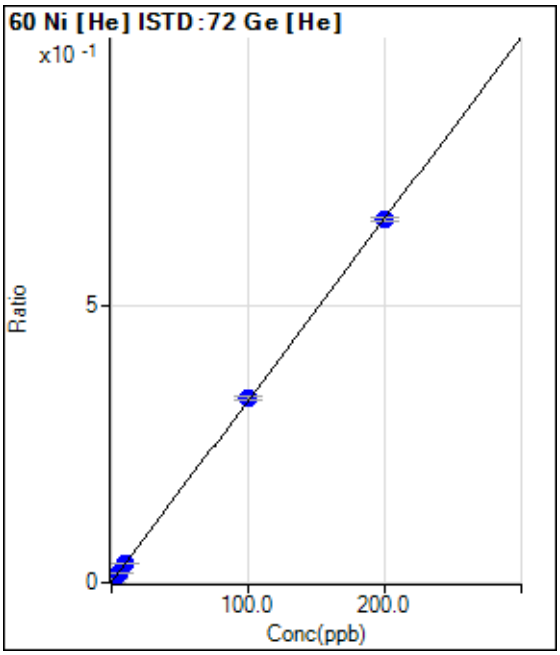


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1750.14	0.0006	P	4.2
2	☐	2.000	2.100	15759.34	0.0053	P	2.8
3	☐	5.000	5.402	37906.20	0.0126	P	2.0
4	☐	10.000	10.759	73370.85	0.0246	P	1.5
5	☐	100.000	104.560	687267.28	0.2336	P	2.3
6	☐	200.000	197.671	1272836.96	0.4411	A	3.7

y = 0.0022 * x + 5.9106E-004
R = 0.9996
DL = 0.0333
BEC = 0.2653

Weight: <None>
Min Conc: <None>

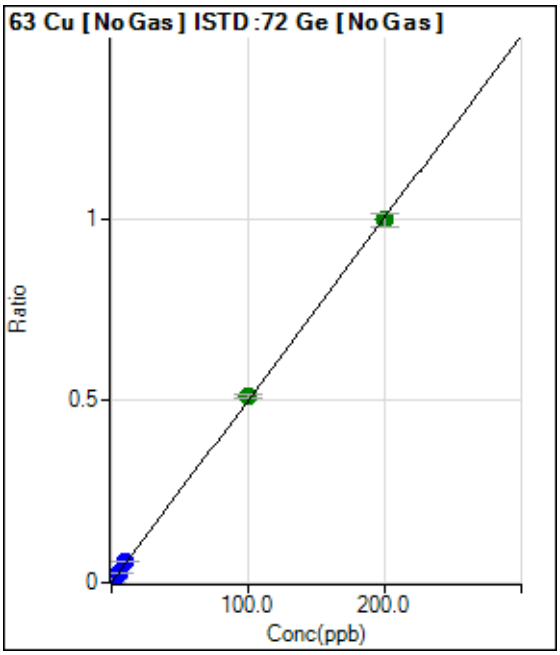
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	683.36	0.0007	P	16.4
2	☐	2.000	2.041	6975.25	0.0074	P	3.7
3	☐	5.000	5.180	16600.40	0.0178	P	0.9
4	☐	10.000	10.426	32686.22	0.0350	P	4.1
5	☐	100.000	101.092	304626.74	0.3327	P	1.7
6	☐	200.000	199.428	586628.23	0.6556	P	1.2

y = 0.0033 * x + 7.4381E-004
R = 1.0000
DL = 0.1112
BEC = 0.2265

Weight: <None>
Min Conc: <None>

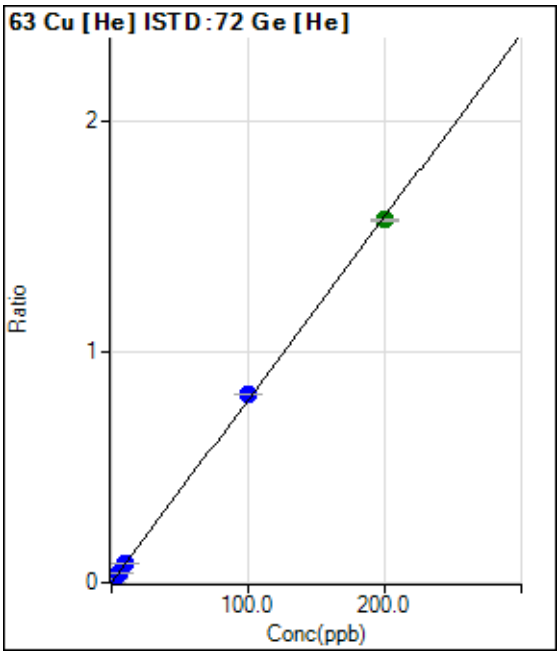


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1483.44	0.0005	P	5.1
2	☐	2.000	2.252	35252.73	0.0118	P	4.9
3	☐	5.000	5.528	84719.33	0.0282	P	3.0
4	☐	10.000	11.123	168084.80	0.0563	P	2.0
5	☐	100.000	102.065	1507627.43	0.5123	A	1.5
6	☐	200.000	198.896	2880398.81	0.9979	A	3.5

y = 0.0050 * x + 5.0073E-004
R = 0.9999
DL = 0.01521
BEC = 0.09985

Weight: <None>
Min Conc: <None>

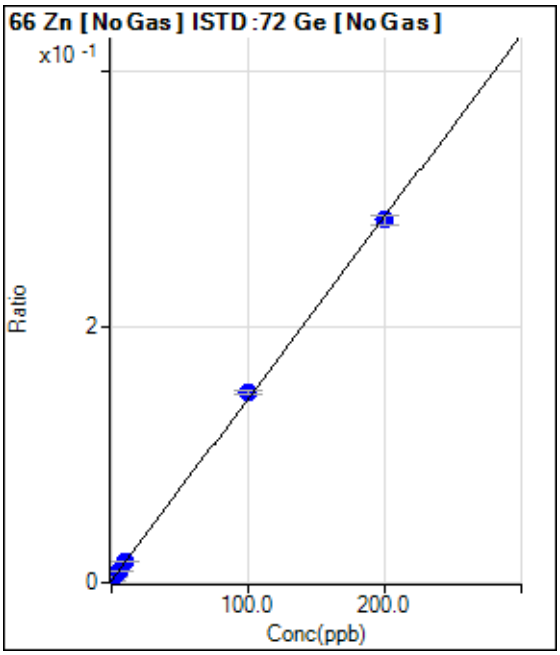
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	540.02	0.0006	P	16.9
2	☐	2.000	2.108	16166.48	0.0173	P	2.0
3	☐	5.000	5.358	40179.56	0.0430	P	0.3
4	☐	10.000	10.554	78569.47	0.0841	P	1.5
5	☐	100.000	103.266	748496.40	0.8175	P	0.3
6	☐	200.000	198.329	1404345.81	1.5695	A	0.7

y = 0.0079 * x + 5.8709E-004
R = 0.9998
DL = 0.03757
BEC = 0.07421

Weight: <None>
Min Conc: <None>

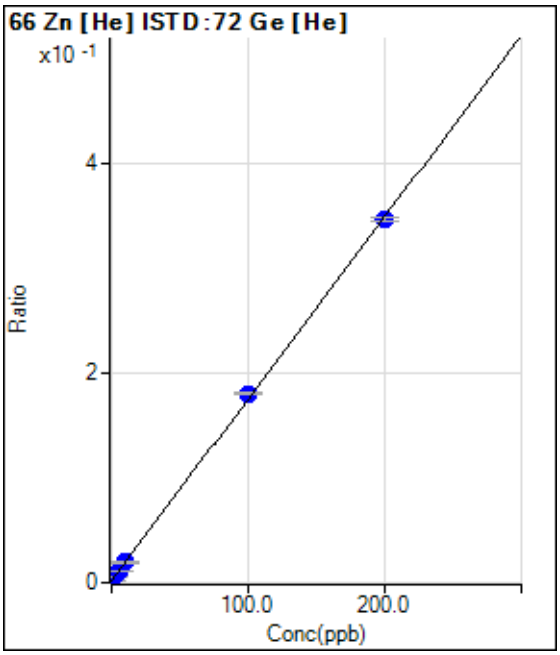


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4950.98	0.0017	P	6.3
2	☐	2.000	2.141	14090.84	0.0047	P	2.9
3	☐	5.000	5.033	26476.20	0.0088	P	3.1
4	☐	10.000	10.337	48848.10	0.0164	P	2.4
5	☐	100.000	103.441	437345.07	0.1486	P	1.2
6	☐	200.000	198.260	817736.60	0.2833	P	2.7

y = 0.0014 * x + 0.0017
R = 0.9998
DL = 0.2237
BEC = 1.177

Weight: <None>
Min Conc: <None>

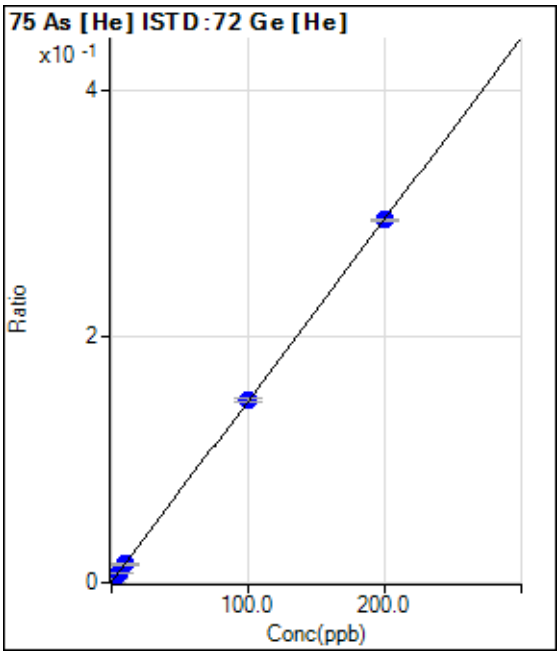
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1836.83	0.0020	P	4.5
2	☐	2.000	2.135	5344.47	0.0057	P	3.5
3	☐	5.000	5.132	10197.32	0.0109	P	3.2
4	☐	10.000	10.060	18185.81	0.0195	P	4.4
5	☐	100.000	102.960	165475.79	0.1807	P	1.1
6	☐	200.000	198.512	310133.52	0.3466	P	1.0

y = 0.0017 * x + 0.0020
R = 0.9998
DL = 0.1563
BEC = 1.151

Weight: <None>
Min Conc: <None>

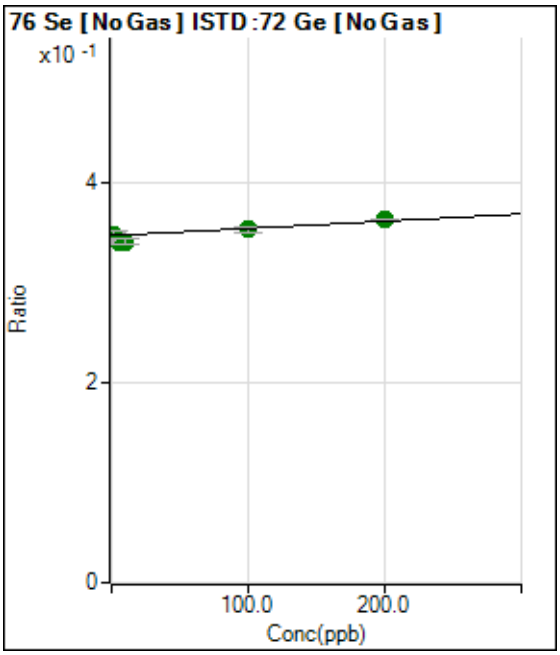


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	310.01	0.0003	P	11.0
2	☐	2.000	1.985	3055.91	0.0033	P	4.2
3	☐	5.000	5.038	7257.55	0.0078	P	3.0
4	☐	10.000	9.861	13898.30	0.0149	P	2.0
5	☐	100.000	100.551	136018.18	0.1486	P	1.8
6	☐	200.000	199.730	263741.14	0.2948	P	0.7

y = 0.0015 * x + 3.3720E-004
R = 1.0000
DL = 0.07527
BEC = 0.2288

Weight: <None>
Min Conc: <None>

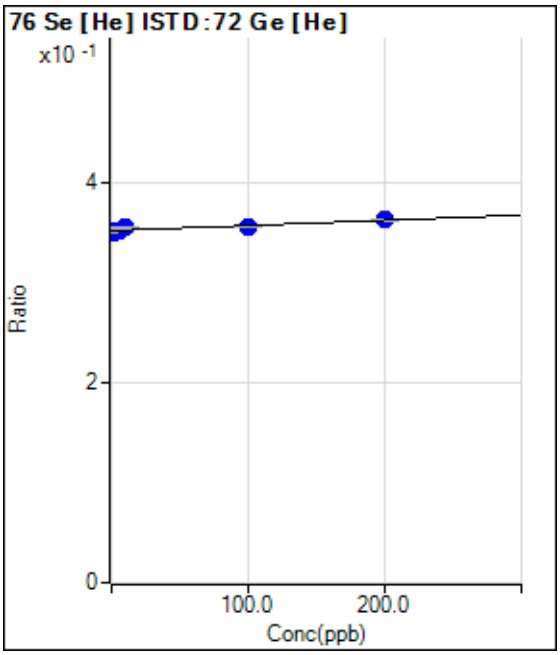
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1026509.18	0.3465	A	2.2
2	☐	2.000	1.025	1036409.10	0.3466	A	3.1
3	☐	5.000	-85.532	1022022.25	0.3404	A	0.4
4	☐	10.000	-85.855	1016627.17	0.3403	A	1.8
5	☐	100.000	80.187	1036824.67	0.3523	A	1.4
6	☐	200.000	216.972	1045820.48	0.3622	A	0.8

y = 7.2199E-005 * x + 0.3465
R = 0.9287
DL = 311.1
BEC = 4800

Weight: <None>
Min Conc: <None>

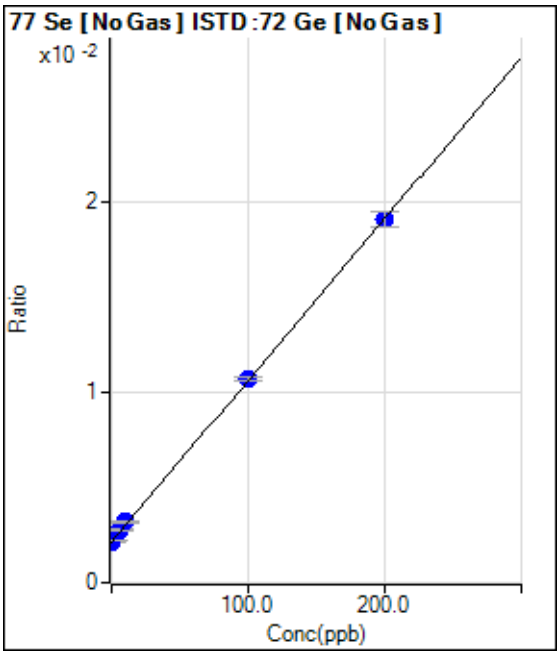


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	323654.06	0.3521	P	0.6
2	☐	2.000	-46.287	327571.09	0.3497	P	0.8
3	☐	5.000	-16.888	328393.63	0.3513	P	0.3
4	☐	10.000	51.453	331565.31	0.3548	P	0.6
5	☐	100.000	86.800	326534.62	0.3566	P	0.6
6	☐	200.000	205.558	324642.05	0.3628	P	0.4

y = 5.1963E-005 * x + 0.3521
R = 0.9458
DL = 128.9
BEC = 6777

Weight: <None>
Min Conc: <None>

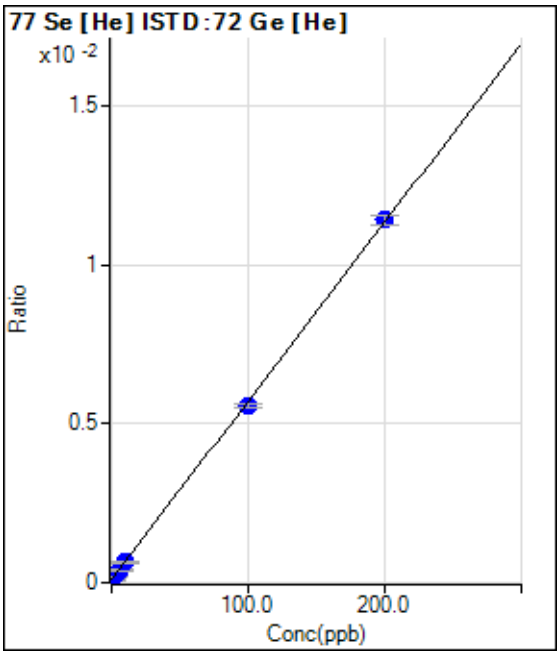
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6368.30	0.0022	P	3.4
2	☐	2.000	2.895	7158.70	0.0024	P	11.0
3	☐	5.000	7.198	8289.35	0.0028	P	3.4
4	☐	10.000	12.433	9573.56	0.0032	P	4.9
5	☐	100.000	100.953	31567.40	0.0107	P	2.3
6	☐	200.000	199.338	55079.44	0.0191	P	4.1

y = 8.4965E-005 * x + 0.0022
R = 0.9999
DL = 2.607
BEC = 25.31

Weight: <None>
Min Conc: <None>

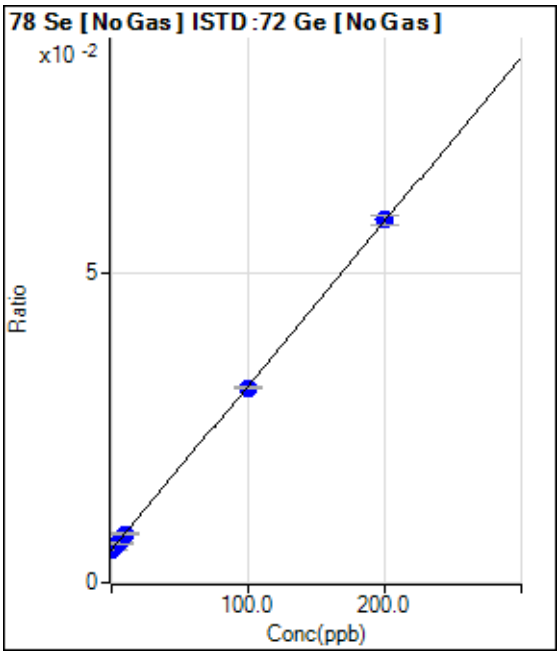


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	90.00	0.0001	P	19.6
2	☐	2.000	1.738	183.34	0.0002	P	10.7
3	☐	5.000	5.174	363.34	0.0004	P	4.3
4	☐	10.000	9.748	603.36	0.0006	P	8.5
5	☐	100.000	97.166	5087.71	0.0056	P	2.6
6	☐	200.000	201.428	10214.07	0.0114	P	2.4

y = 5.6183E-005 * x + 9.7966E-005
R = 0.9999
DL = 1.023
BEC = 1.744

Weight: <None>
Min Conc: <None>

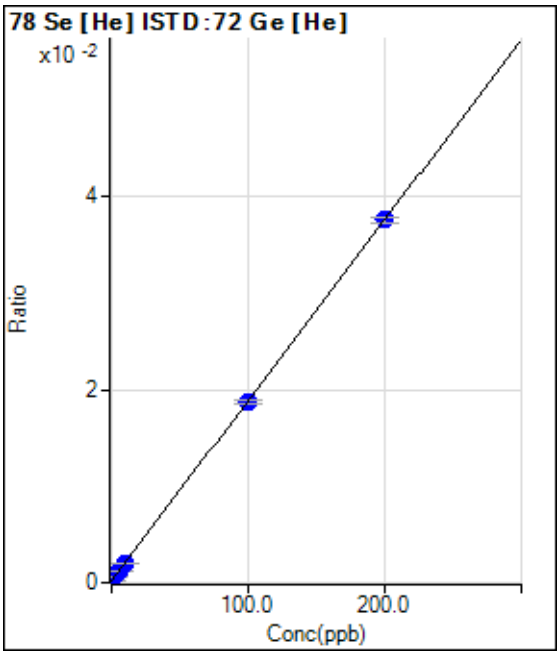
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	15742.73	0.0053	P	2.0
2	☐	2.000	1.032	16700.56	0.0056	P	6.6
3	☐	5.000	4.204	19307.42	0.0064	P	3.2
4	☐	10.000	9.781	23634.38	0.0079	P	1.6
5	☐	100.000	98.309	92492.52	0.0314	P	0.9
6	☐	200.000	200.886	169347.12	0.0587	P	2.5

y = 2.6561E-004 * x + 0.0053
R = 1.0000
DL = 1.203
BEC = 20.01

Weight: <None>
Min Conc: <None>

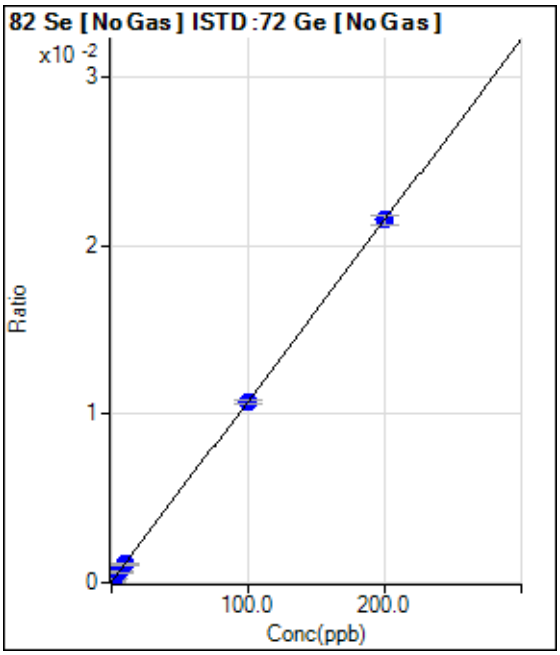


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	187.33	0.0002	P	11.6
2	☐	2.000	2.327	598.68	0.0006	P	0.7
3	☐	5.000	5.362	1128.05	0.0012	P	0.3
4	☐	10.000	9.807	1904.14	0.0020	P	5.2
5	☐	100.000	99.650	17245.70	0.0188	P	2.1
6	☐	200.000	200.172	33669.91	0.0376	P	1.7

y = 1.8698E-004 * x + 2.0400E-004
R = 1.0000
DL = 0.3811
BEC = 1.091

Weight: <None>
Min Conc: <None>

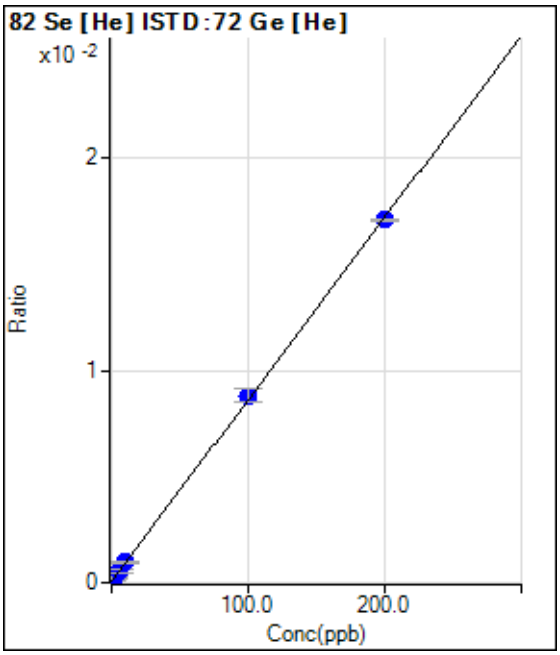
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	155.17	0.0001	P	28.5
2	☐	2.000	1.859	751.67	0.0003	P	16.5
3	☐	5.000	5.528	1935.46	0.0006	P	12.0
4	☐	10.000	9.780	3289.09	0.0011	P	4.1
5	☐	100.000	99.709	31646.85	0.0107	P	1.9
6	☐	200.000	200.145	62145.99	0.0215	P	2.4

y = 1.0729E-004 * x + 5.2306E-005
R = 1.0000
DL = 0.4165
BEC = 0.4875

Weight: <None>
Min Conc: <None>

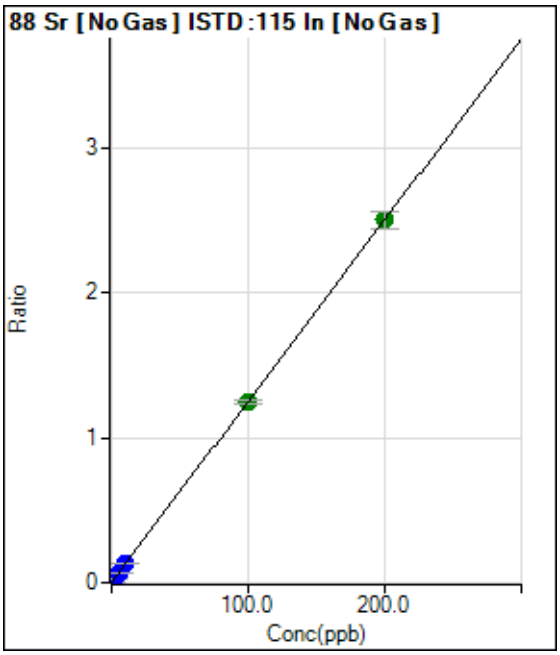


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	50.00	0.0001	P	1.3
2	☐	2.000	1.938	206.67	0.0002	P	34.0
3	☐	5.000	5.816	516.69	0.0006	P	21.8
4	☐	10.000	10.518	893.38	0.0010	P	3.4
5	☐	100.000	102.188	8069.23	0.0088	P	7.5
6	☐	200.000	198.860	15302.32	0.0171	P	0.4

y = 8.5726E-005 * x + 5.4407E-005
R = 0.9999
DL = 0.02465
BEC = 0.6347

Weight: <None>
Min Conc: <None>

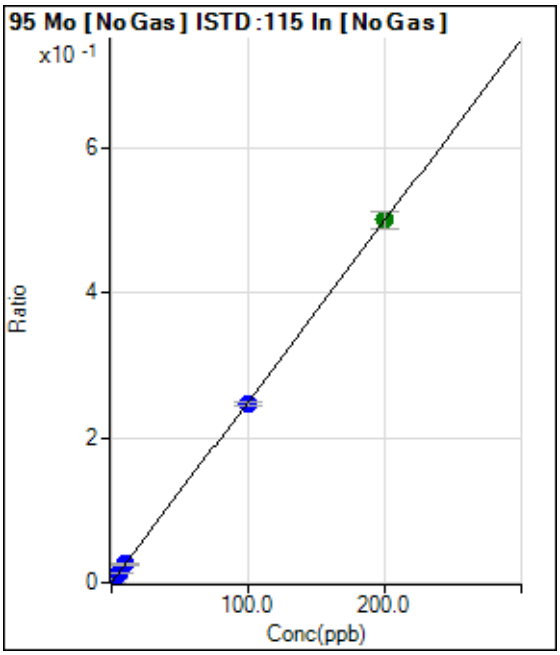
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6501.72	0.0019	P	4.5
2	☐	2.000	2.058	98419.83	0.0275	P	2.4
3	☐	5.000	5.284	240375.32	0.0678	P	5.3
4	☐	10.000	10.518	476542.94	0.1331	P	3.0
5	☐	100.000	99.595	4342989.73	1.2450	A	2.0
6	☐	200.000	200.169	8339593.42	2.5003	A	4.4

y = 0.0125 * x + 0.0019
R = 1.0000
DL = 0.01991
BEC = 0.1485

Weight: <None>
Min Conc: <None>

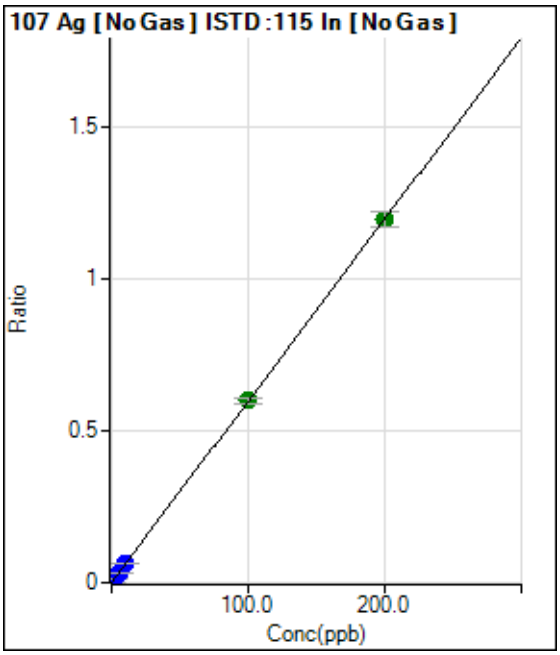


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	786.70	0.0002	P	2.5
2	☐	2.000	1.962	18282.89	0.0051	P	2.9
3	☐	5.000	5.056	45481.30	0.0128	P	4.8
4	☐	10.000	10.045	90401.94	0.0253	P	5.0
5	☐	100.000	99.088	862495.12	0.2472	P	2.2
6	☐	200.000	200.453	1667196.85	0.4999	A	4.9

y = 0.0025 * x + 2.2417E-004
R = 1.0000
DL = 0.006715
BEC = 0.08993

Weight: <None>
Min Conc: <None>

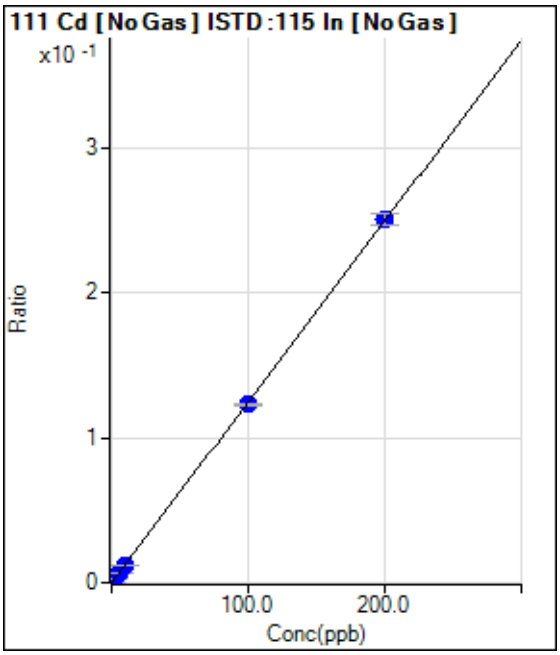
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	100.00	0.0000	P	30.1
2	☐	2.000	2.101	45006.69	0.0126	P	3.5
3	☐	5.000	5.360	113802.59	0.0321	P	4.3
4	☐	10.000	10.674	228650.18	0.0639	P	4.0
5	☐	100.000	100.329	2093965.23	0.6003	A	2.7
6	☐	200.000	199.792	3987285.98	1.1953	A	4.3

y = 0.0060 * x + 2.8529E-005
R = 1.0000
DL = 0.00431
BEC = 0.004769

Weight: <None>
Min Conc: <None>

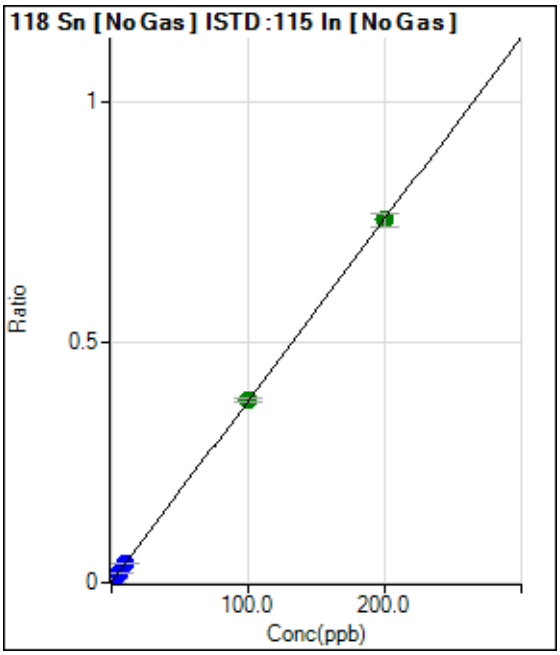


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	-18.13	0.0000	P	-30.6
2	☐	2.000	2.016	8970.72	0.0025	P	1.9
3	☐	5.000	5.034	22250.54	0.0063	P	5.1
4	☐	10.000	9.871	44059.90	0.0123	P	3.3
5	☐	100.000	98.523	428797.60	0.1229	P	1.4
6	☐	200.000	200.744	835536.82	0.2504	P	3.2

y = 0.0012 * x - 5.1491E-006
R = 1.0000
DL = 0.003791
BEC = -0.004127

Weight: <None>
Min Conc: <None>

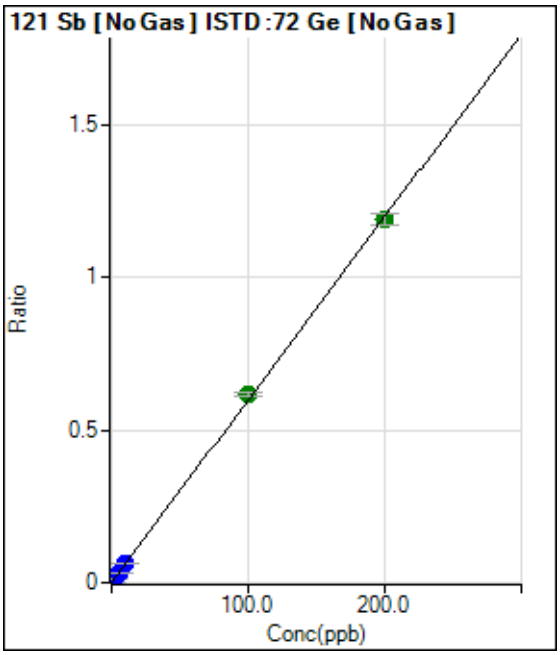
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2210.23	0.0006	P	4.1
2	☐	2.000	2.022	29526.84	0.0083	P	3.8
3	☐	5.000	5.120	70793.79	0.0200	P	3.9
4	☐	10.000	10.282	141233.57	0.0395	P	4.1
5	☐	100.000	100.829	1330687.69	0.3814	A	2.2
6	☐	200.000	199.568	2516414.86	0.7543	A	3.5

y = 0.0038 * x + 6.2968E-004
R = 1.0000
DL = 0.02057
BEC = 0.1667

Weight: <None>
Min Conc: <None>

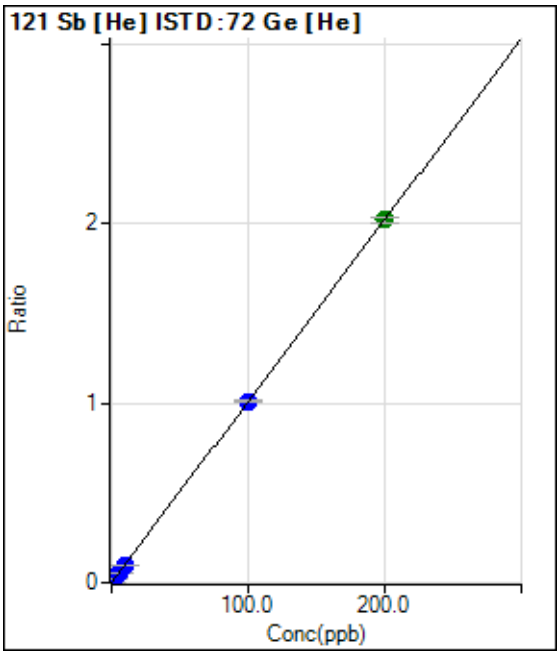


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	283.34	0.0001	P	13.1
2	☐	2.000	2.068	37313.19	0.0125	P	3.8
3	☐	5.000	5.238	94455.30	0.0315	P	3.2
4	☐	10.000	10.535	188752.67	0.0632	P	2.1
5	☐	100.000	102.967	1815072.00	0.6168	A	2.3
6	☐	200.000	198.483	3431542.14	1.1890	A	3.2

y = 0.0060 * x + 9.5556E-005
R = 0.9998
DL = 0.006259
BEC = 0.01595

Weight: <None>
Min Conc: <None>

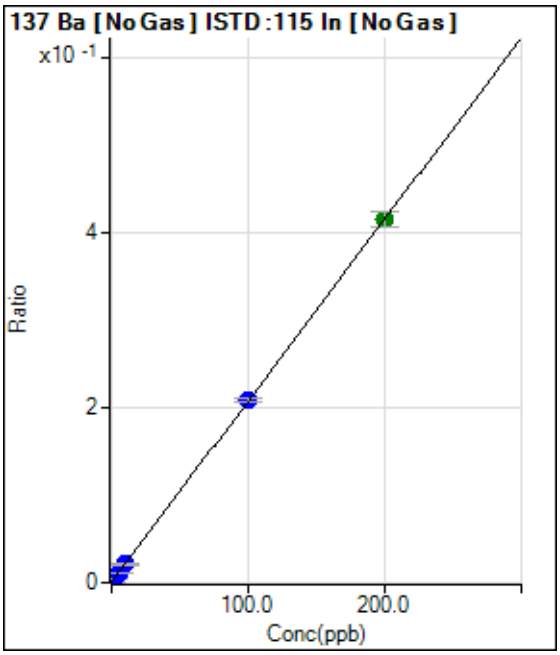
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	136.67	0.0001	P	15.8
2	☐	2.000	1.929	18386.60	0.0196	P	3.3
3	☐	5.000	5.008	47432.62	0.0507	P	3.1
4	☐	10.000	9.954	94102.35	0.1007	P	1.7
5	☐	100.000	99.821	923404.57	1.0085	P	1.2
6	☐	200.000	200.092	1808745.13	2.0215	A	1.3

y = 0.0101 * x + 1.4880E-004
R = 1.0000
DL = 0.006974
BEC = 0.01473

Weight: <None>
Min Conc: <None>

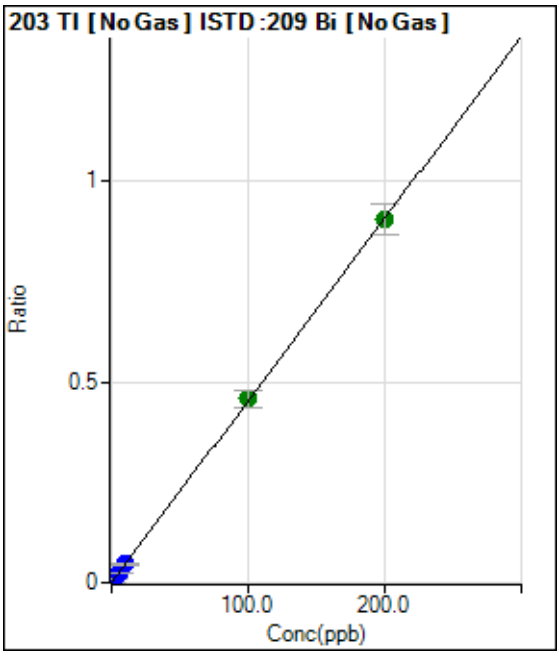


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1233.42	0.0004	P	3.5
2	☐	2.000	1.979	15923.33	0.0045	P	2.4
3	☐	5.000	5.170	39249.75	0.0111	P	3.2
4	☐	10.000	10.021	75589.33	0.0211	P	4.7
5	☐	100.000	100.469	727654.60	0.2086	P	2.1
6	☐	200.000	199.761	1382481.28	0.4144	A	4.3

y = 0.0021 * x + 3.5144E-004
R = 1.0000
DL = 0.01786
BEC = 0.1695

Weight: <None>
Min Conc: <None>

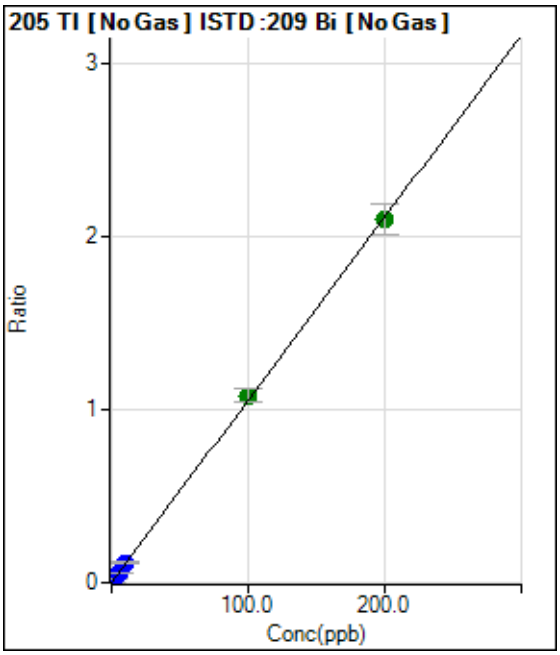
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	143.33	0.0000	P	22.1
2	☐	2.000	2.008	28118.67	0.0091	P	11.4
3	☐	5.000	5.178	72999.93	0.0235	P	9.5
4	☐	10.000	10.393	145672.65	0.0472	P	11.1
5	☐	100.000	101.256	1398795.24	0.4591	A	9.1
6	☐	200.000	199.348	2697099.96	0.9038	A	8.5

y = 0.0045 * x + 4.6884E-005
R = 1.0000
DL = 0.006844
BEC = 0.01034

Weight: <None>
Min Conc: <None>

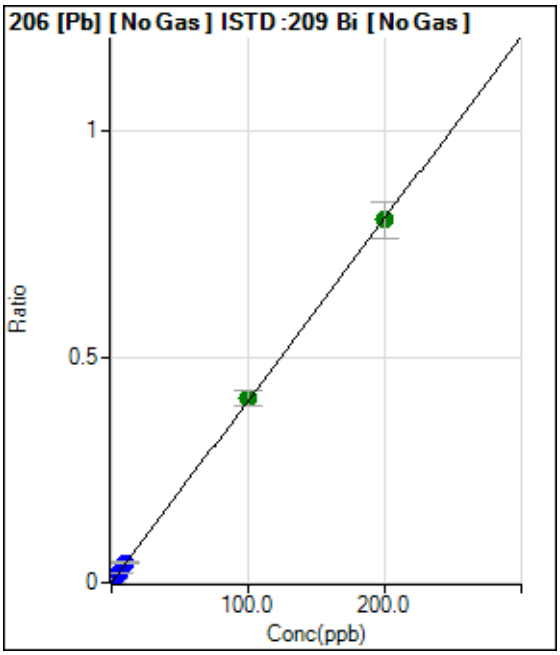


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	310.01	0.0001	P	23.4
2	☐	2.000	2.082	67964.83	0.0221	P	10.4
3	☐	5.000	5.270	173063.54	0.0558	P	10.1
4	☐	10.000	10.597	346240.77	0.1121	P	10.4
5	☐	100.000	102.519	3302501.10	1.0832	A	7.8
6	☐	200.000	198.703	6264453.24	2.0994	A	8.6

y = 0.0106 * x + 1.0153E-004
R = 0.9999
DL = 0.006738
BEC = 0.00961

Weight: <None>
Min Conc: <None>

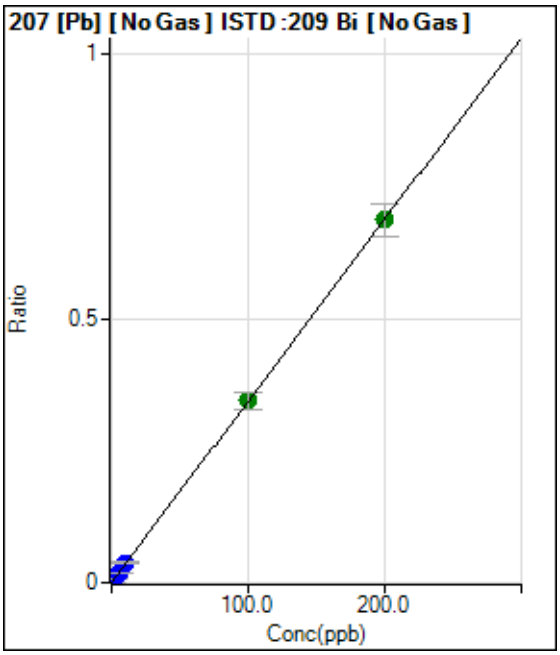
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	336.68	0.0001	P	14.1
2	☐	2.000	2.137	26845.87	0.0087	P	10.4
3	☐	5.000	5.257	66114.98	0.0213	P	10.4
4	☐	10.000	10.620	132775.49	0.0429	P	9.6
5	☐	100.000	101.324	1246477.22	0.4088	A	7.7
6	☐	200.000	199.299	2397754.24	0.8040	A	9.8

y = 0.0040 * x + 1.0870E-004
R = 1.0000
DL = 0.01142
BEC = 0.02695

Weight: <None>
Min Conc: <None>

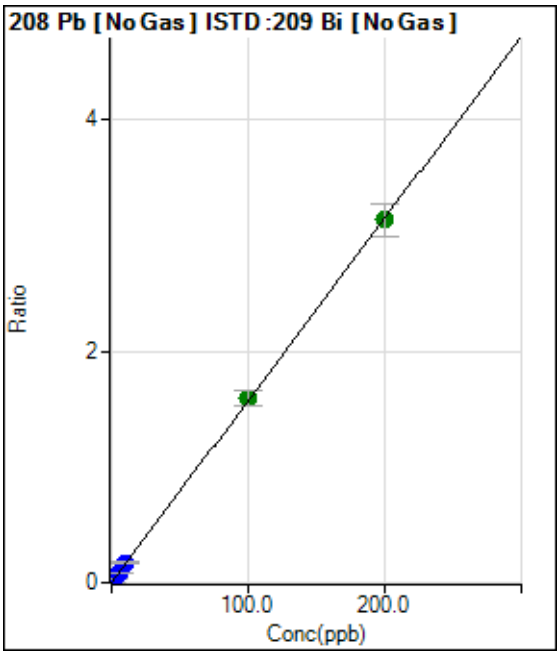


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	313.34	0.0001	P	12.1
2	☐	2.000	2.126	22764.45	0.0074	P	11.3
3	☐	5.000	5.382	57747.20	0.0186	P	8.8
4	☐	10.000	10.730	114237.03	0.0370	P	10.6
5	☐	100.000	100.154	1048777.25	0.3442	A	9.3
6	☐	200.000	199.876	2049287.52	0.6869	A	9.1

y = 0.0034 * x + 1.0166E-004
R = 1.0000
DL = 0.01074
BEC = 0.02958

Weight: <None>
Min Conc: <None>

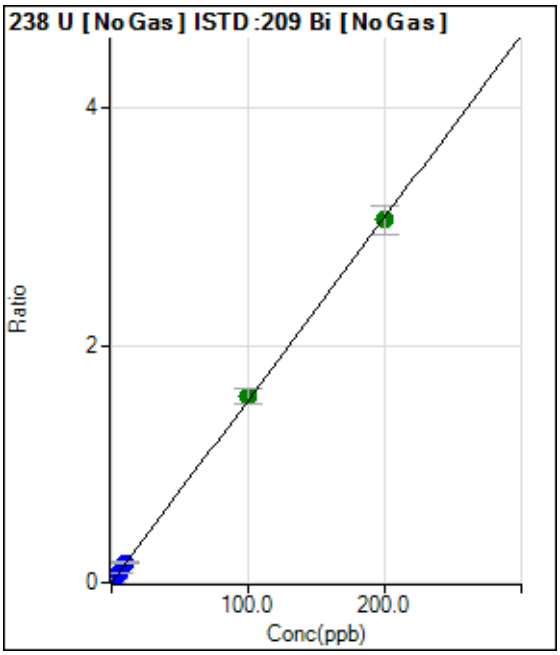
Calibration for 392_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1356.72	0.0004	P	3.9
2	☐	2.000	2.143	104923.04	0.0341	P	10.2
3	☐	5.000	5.360	262837.51	0.0847	P	9.3
4	☐	10.000	10.841	527951.96	0.1708	P	10.0
5	☐	100.000	101.350	4855890.01	1.5933	A	8.6
6	☐	200.000	199.273	9345442.00	3.1323	A	8.8

y = 0.0157 * x + 4.3994E-004
R = 1.0000
DL = 0.003304
BEC = 0.02799

Weight: <None>
Min Conc: <None>

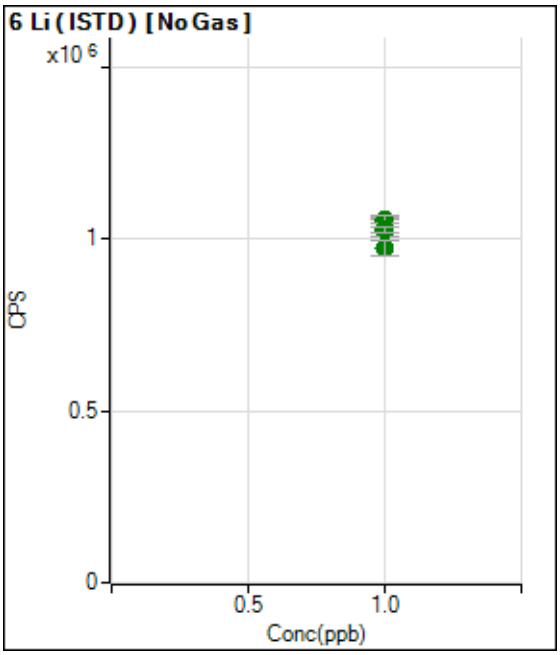


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	86.67	0.0000	P	55.1
2	☐	2.000	2.090	98918.34	0.0322	P	11.5
3	☐	5.000	5.219	249483.87	0.0803	P	8.3
4	☐	10.000	10.613	504971.41	0.1633	P	9.5
5	☐	100.000	102.461	4804828.37	1.5766	A	8.6
6	☐	200.000	198.732	9125993.82	3.0579	A	8.3

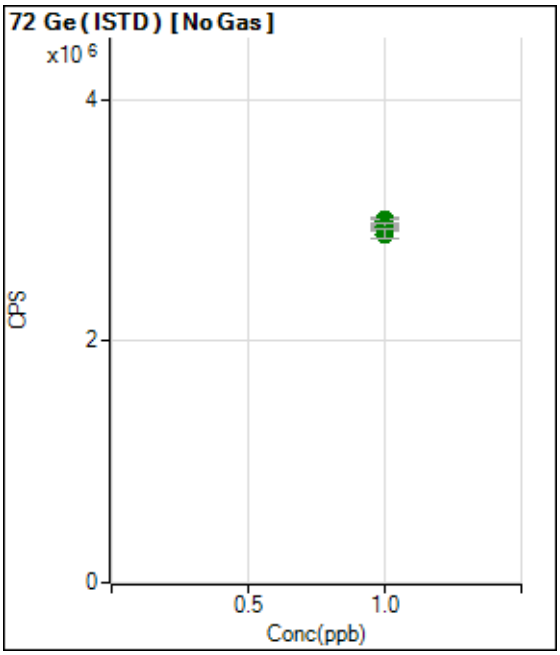
y = 0.0154 * x + 2.8336E-005
R = 0.9999
DL = 0.003044
BEC = 0.001842

Weight: <None>
Min Conc: <None>

Calibration for 392_ICV.d

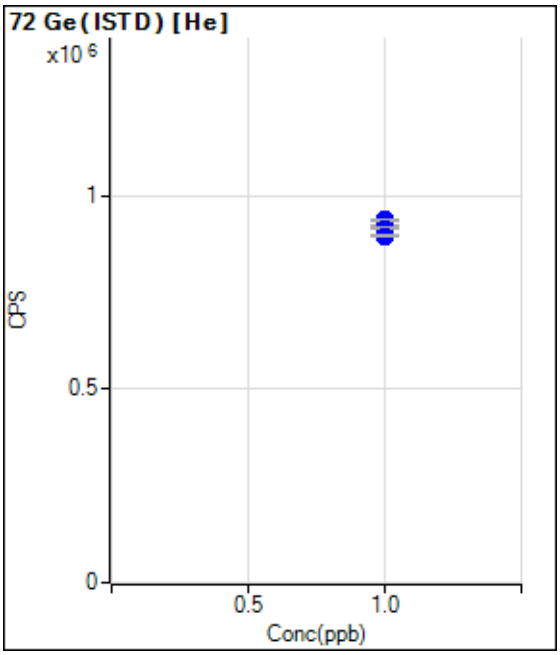


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1050248.64		A	2.9
2	☐	1.000		1045151.04		A	2.4
3	☐	1.000		1055806.99		A	2.0
4	☐	1.000		1026633.98		A	3.5
5	☐	1.000		1027324.58		A	1.9
6	☐	1.000		974457.93		A	4.3

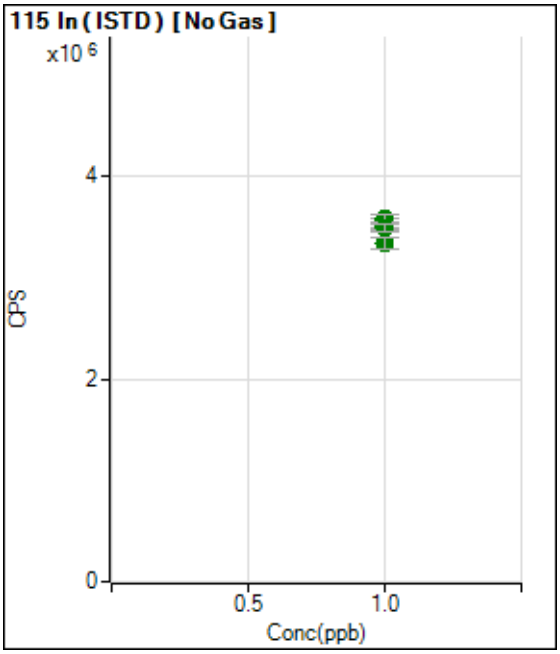


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2961995.58		A	1.2
2	☐	1.000		2991019.54		A	2.3
3	☐	1.000		3002649.02		A	1.9
4	☐	1.000		2987275.37		A	1.8
5	☐	1.000		2943211.73		A	2.3
6	☐	1.000		2887581.73		A	2.8

Calibration for 392_ICV.d

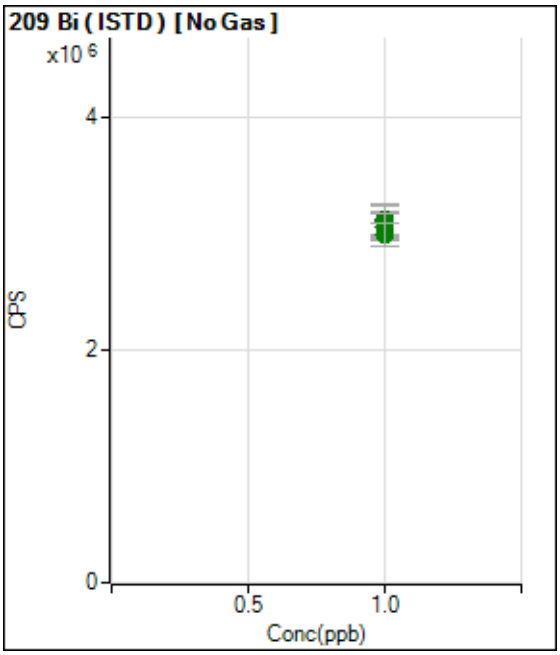


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		919094.52		P	1.3
2	☐	1.000		936688.61		P	0.7
3	☐	1.000		934926.18		P	0.6
4	☐	1.000		934519.39		P	0.6
5	☐	1.000		915591.16		P	0.3
6	☐	1.000		894791.73		P	0.8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3508716.20		A	1.7
2	☐	1.000		3575157.61		A	2.5
3	☐	1.000		3548152.48		A	2.7
4	☐	1.000		3580867.26		A	2.2
5	☐	1.000		3489203.66		A	2.3
6	☐	1.000		3338144.52		A	3.0

Calibration for 392_ICV.d



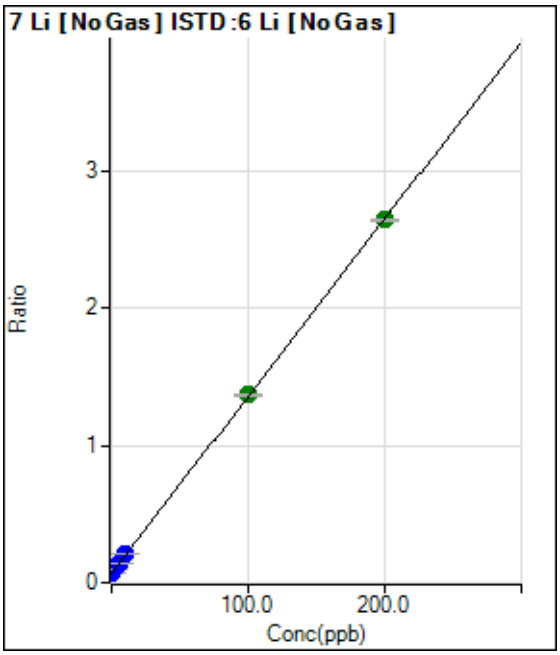
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3084426.83		A	7.1
2	☐	1.000		3094663.91		A	9.2
3	☐	1.000		3119861.83		A	8.3
4	☐	1.000		3108750.37		A	8.7
5	☐	1.000		3060644.95		A	7.4
6	☐	1.000		2995420.89		A	6.7

Calibration for 329_ICV.d

Batch Folder: C:\Agilent\ICPMH\1\DATA\062023A.b\
Analysis File: 062023A.batch.bin
DA Date-Time: 6/20/2023 10:13:19 PM
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	322CALB.d	CAL BLK	6/20/2023 9:59:28 PM
2	323CALS.d	2/10/200	6/20/2023 10:01:24 PM
3	324CALS.d	5/25/500	6/20/2023 10:03:19 PM
4	325CALS.d	10/50/100	6/20/2023 10:05:14 PM
5	326CALS.d	100/500/10K	6/20/2023 10:07:09 PM
6	327CALS.d	200/1000/20K	6/20/2023 10:08:56 PM

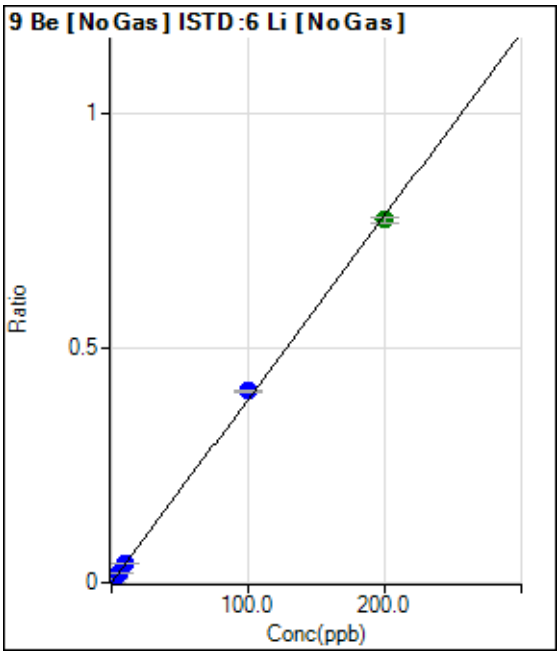
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	91214.36	0.0677	P	1.7
2	☐	2.000	2.154	129264.73	0.0954	P	0.4
3	☐	5.000	5.465	187757.94	0.1381	P	2.3
4	☐	10.000	10.900	282170.80	0.2081	P	0.1
5	☐	100.000	100.645	1791909.66	1.3642	A	1.2
6	☐	200.000	199.619	3379912.87	2.6391	A	0.9

y = 0.0129 * x + 0.0677
R = 1.0000
DL = 0.2709
BEC = 5.253

Weight: <None>
Min Conc: <None>

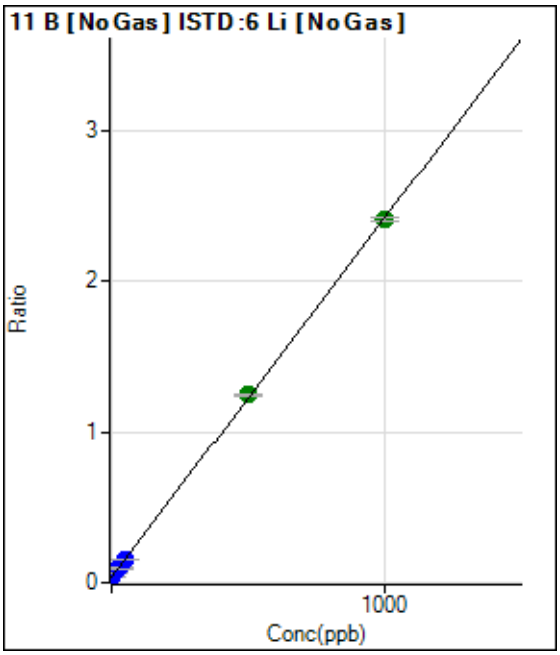


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	18.33	0.0000	P	78.8
2	☐	2.000	2.008	10639.11	0.0079	P	1.6
3	☐	5.000	5.181	27533.61	0.0202	P	2.4
4	☐	10.000	10.278	54449.91	0.0402	P	1.6
5	☐	100.000	104.424	535728.22	0.4078	P	0.7
6	☐	200.000	197.769	989138.52	0.7724	A	1.4

y = 0.0039 * x + 1.3603E-005
R = 0.9997
DL = 0.008229
BEC = 0.003483

Weight: <None>
Min Conc: <None>

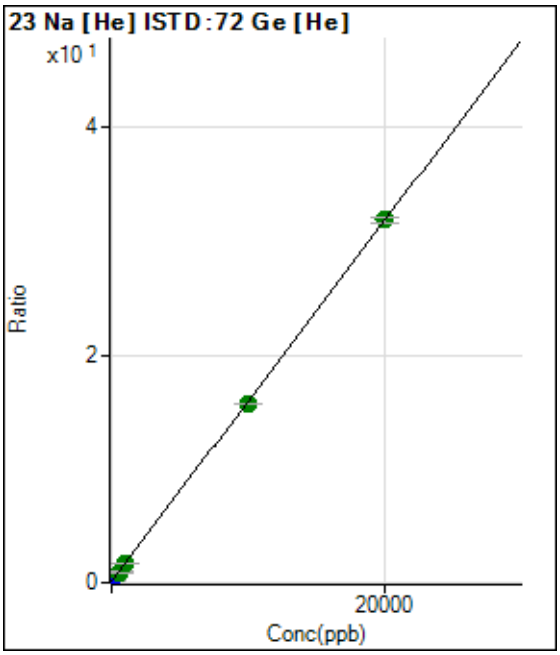
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	49250.85	0.0365	P	1.0
2	☐	10.000	9.668	80703.28	0.0596	P	1.2
3	☐	25.000	24.980	130634.10	0.0961	P	2.6
4	☐	50.000	50.996	214327.70	0.1581	P	1.1
5	☐	500.000	508.369	1639448.88	1.2480	A	1.1
6	☐	1000.000	995.770	3086224.95	2.4095	A	1.1

y = 0.0024 * x + 0.0365
R = 0.9999
DL = 0.4599
BEC = 15.33

Weight: <None>
Min Conc: <None>

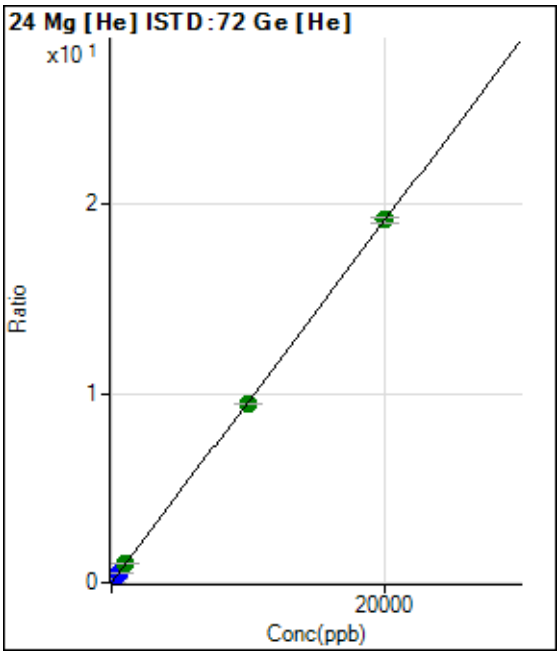


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	92555.10	0.0884	P	1.1
2	☐	200.000	221.387	453099.17	0.4394	P	2.5
3	☐	500.000	522.531	960153.81	0.9169	A	3.2
4	☐	1000.000	1006.745	1776680.65	1.6846	A	4.4
5	☐	10000.00	9870.279	16112981.84	15.7376	A	0.5
6	☐	20000.00	20063.74	31515454.53	31.8992	A	1.3

y = 0.0016 * x + 0.0884
R = 1.0000
DL = 1.778
BEC = 55.75

Weight: <None>
Min Conc: <None>

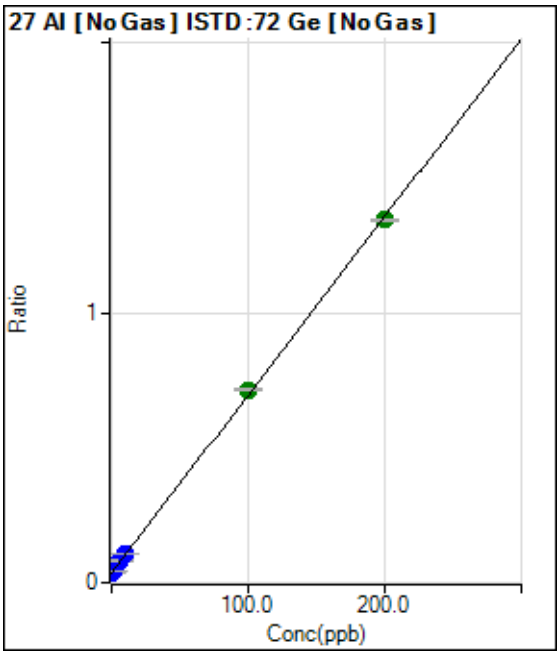
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1906.83	0.0018	P	3.0
2	☐	200.000	224.914	223579.98	0.2168	P	1.9
3	☐	500.000	554.989	557585.37	0.5323	P	1.4
4	☐	1000.000	1025.508	1035947.43	0.9820	A	3.2
5	☐	10000.00	9888.414	9679399.23	9.4536	A	0.8
6	☐	20000.00	20052.89	18937565.55	19.1692	A	1.9

y = 9.5584E-004 * x + 0.0018
R = 1.0000
DL = 0.1737
BEC = 1.905

Weight: <None>
Min Conc: <None>

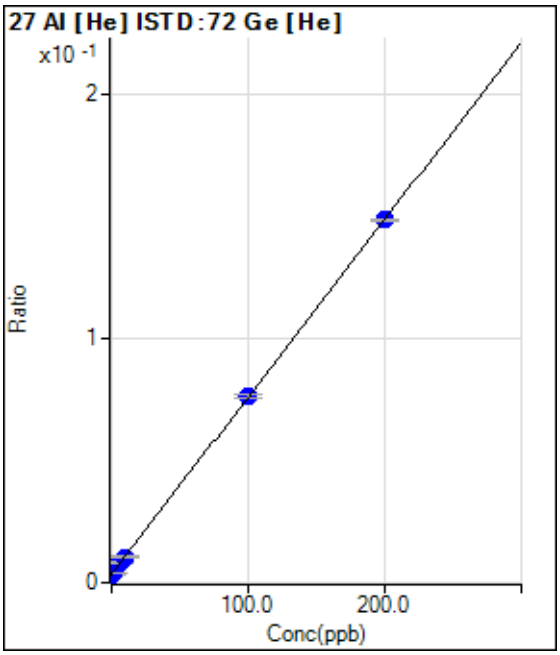


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	125808.32	0.0359	P	1.4
2	☐	2.000	0.542	138905.30	0.0395	P	0.5
3	☐	5.000	6.941	286705.24	0.0817	P	0.9
4	☐	10.000	10.832	379663.68	0.1074	P	0.3
5	☐	100.000	103.119	2492159.80	0.7162	A	1.1
6	☐	200.000	198.365	4551804.72	1.3446	A	0.6

y = 0.0066 * x + 0.0359
R = 0.9997
DL = 0.2221
BEC = 5.442

Weight: <None>
Min Conc: <None>

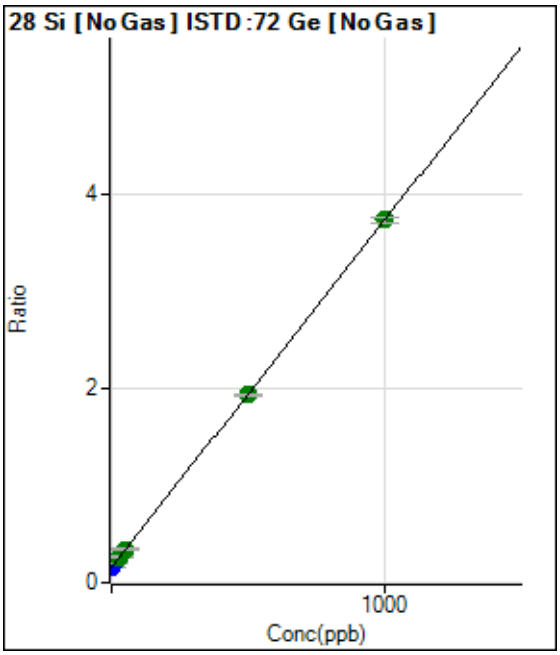
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3660.53	0.0035	P	4.4
2	☐	2.000	0.748	4164.06	0.0040	P	7.2
3	☐	5.000	6.457	8572.79	0.0082	P	5.5
4	☐	10.000	9.754	11171.34	0.0106	P	2.5
5	☐	100.000	100.109	78068.23	0.0763	P	1.9
6	☐	200.000	199.934	147029.91	0.1488	P	0.8

y = 7.2684E-004 * x + 0.0035
R = 0.9999
DL = 0.6414
BEC = 4.808

Weight: <None>
Min Conc: <None>

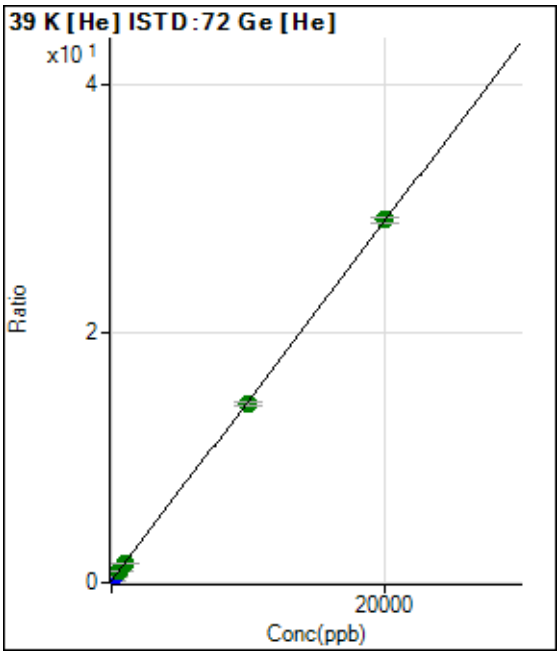


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	549243.20	0.1568	P	0.8
2	☐	10.000	11.589	697220.22	0.1982	P	1.3
3	☐	25.000	30.510	932797.09	0.2658	A	2.5
4	☐	50.000	53.011	1223938.37	0.3462	A	2.0
5	☐	500.000	497.226	6728354.07	1.9337	A	1.5
6	☐	1000.000	1001.083	12640822.73	3.7344	A	1.5

y = 0.0036 * x + 0.1568
R = 1.0000
DL = 1.06
BEC = 43.86

Weight: <None>
Min Conc: <None>

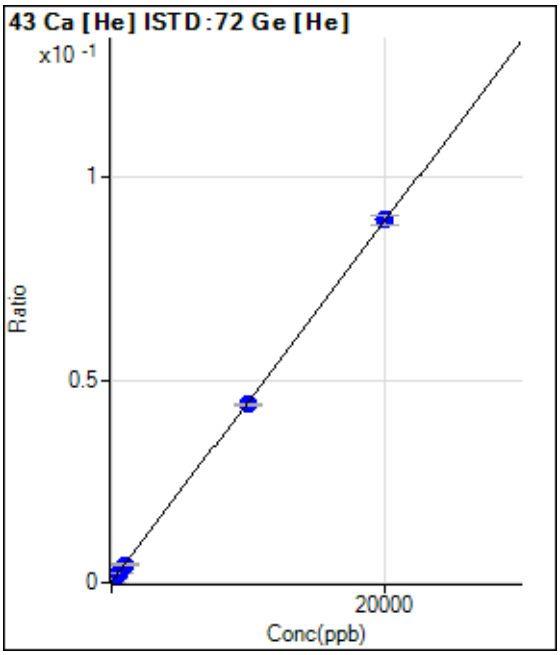
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	165135.25	0.1577	P	0.8
2	☐	200.000	216.005	484011.15	0.4694	P	2.3
3	☐	500.000	519.021	949442.51	0.9066	A	3.3
4	☐	1000.000	998.272	1685886.69	1.5980	A	2.1
5	☐	10000.00	9840.384	14698254.78	14.3557	A	1.9
6	☐	20000.00	20079.25	28778271.24	29.1286	A	1.3

y = 0.0014 * x + 0.1577
R = 1.0000
DL = 2.487
BEC = 109.3

Weight: <None>
Min Conc: <None>

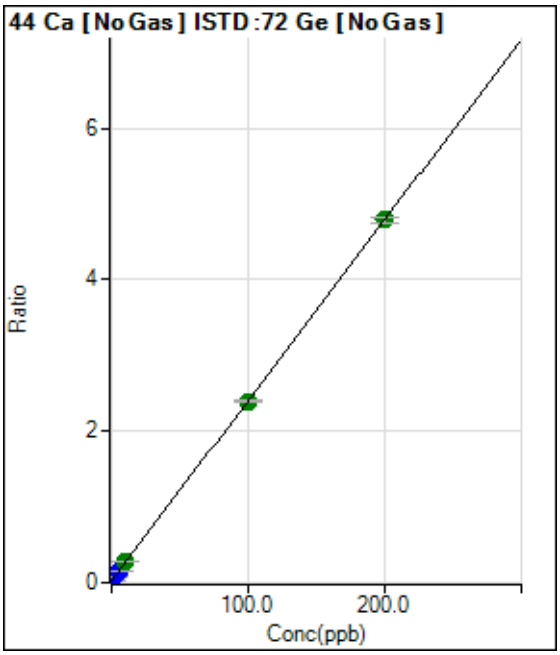


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	153.33	0.0001	P	14.2
2	☐	200.000	186.391	1006.72	0.0010	P	1.4
3	☐	500.000	520.956	2583.63	0.0025	P	9.8
4	☐	1000.000	949.381	4610.86	0.0044	P	7.3
5	☐	10000.00	9852.711	45060.65	0.0440	P	0.6
6	☐	20000.00	20075.78	88439.67	0.0895	P	2.5

y = 4.4521E-006 * x + 1.4631E-004
R = 1.0000
DL = 14
BEC = 32.86

Weight: <None>
Min Conc: <None>

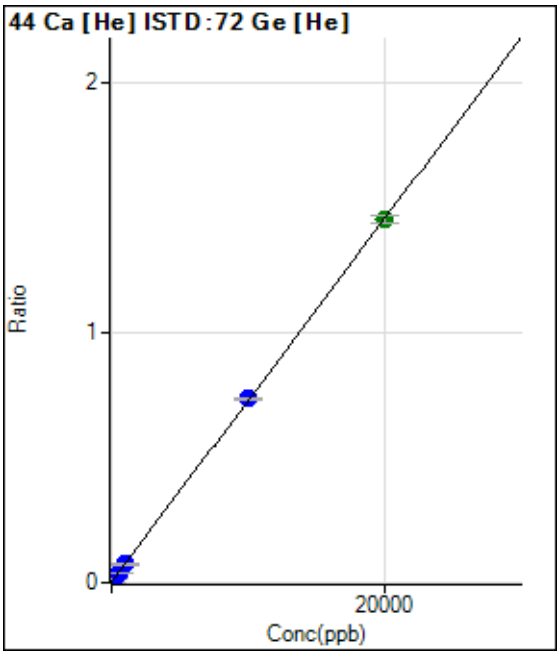
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	90922.58	0.0260	P	1.5
2	☐	2.000	2.102	267381.32	0.0760	P	1.5
3	☐	5.000	5.615	560254.33	0.1596	P	1.5
4	☐	10.000	10.439	970369.39	0.2745	A	2.5
5	☐	100.000	99.579	8338898.21	2.3966	A	1.3
6	☐	200.000	200.172	16218933.51	4.7913	A	1.3

y = 0.0238 * x + 0.0260
R = 1.0000
DL = 0.04982
BEC = 1.09

Weight: <None>
Min Conc: <None>

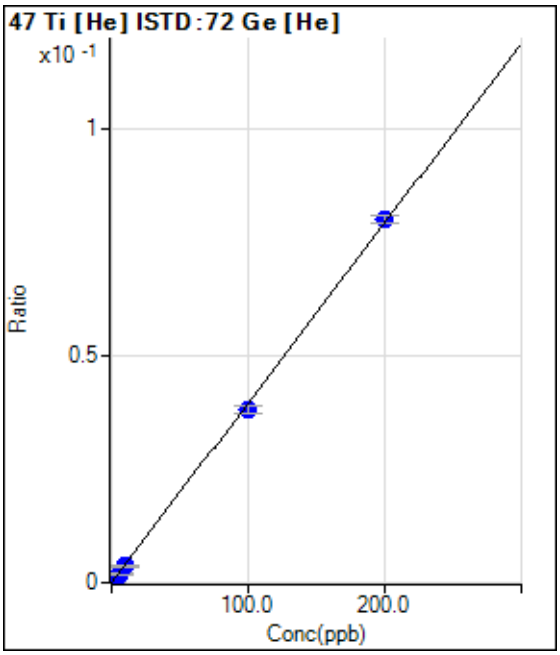


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2583.62	0.0025	P	3.4
2	☐	200.000	195.503	17207.66	0.0167	P	1.8
3	☐	500.000	504.585	41014.86	0.0391	P	1.1
4	☐	1000.000	988.842	78426.12	0.0744	P	3.6
5	☐	10000.00	10108.95	754908.24	0.7374	P	1.5
6	☐	20000.00	19946.00	1434956.90	1.4525	A	2.2

y = 7.2700E-005 * x + 0.0025
R = 1.0000
DL = 3.504
BEC = 33.93

Weight: <None>
Min Conc: <None>

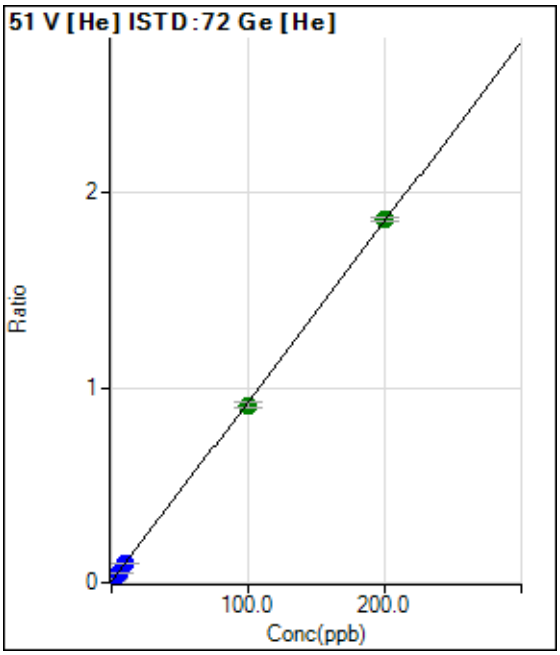
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	26.67	0.0000	P	57.1
2	☐	2.000	2.014	850.04	0.0008	P	2.7
3	☐	5.000	4.724	1986.85	0.0019	P	13.6
4	☐	10.000	9.391	3950.64	0.0037	P	10.3
5	☐	100.000	96.452	39176.27	0.0383	P	4.1
6	☐	200.000	201.811	79080.06	0.0800	P	2.1

y = 3.9652E-004 * x + 2.5409E-005
R = 0.9998
DL = 0.1098
BEC = 0.06408

Weight: <None>
Min Conc: <None>

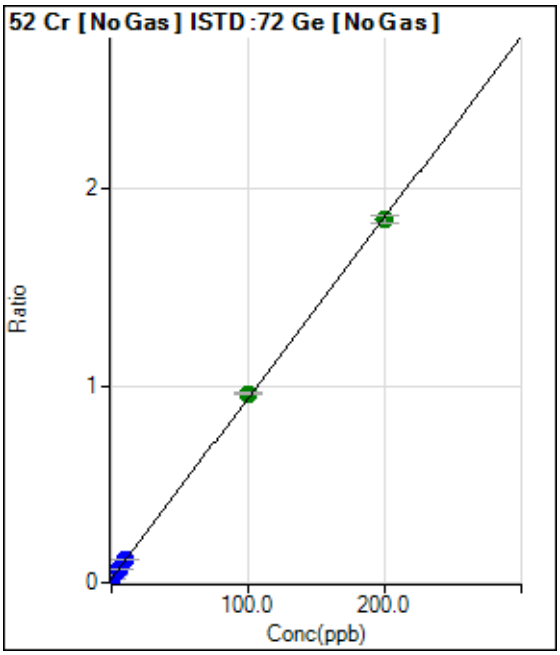


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5891.30	0.0056	P	0.4
2	☐	2.000	2.045	25287.74	0.0245	P	1.5
3	☐	5.000	5.080	55058.83	0.0526	P	1.5
4	☐	10.000	9.959	103008.06	0.0976	P	2.0
5	☐	100.000	98.051	933089.82	0.9115	A	2.9
6	☐	200.000	200.974	1840089.30	1.8625	A	1.1

y = 0.0092 * x + 0.0056
R = 0.9999
DL = 0.00747
BEC = 0.6089

Weight: <None>
Min Conc: <None>

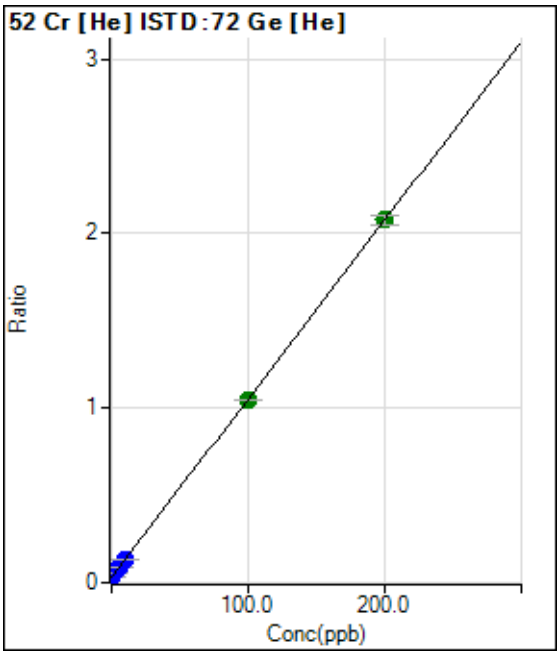
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	70226.37	0.0200	P	1.7
2	☐	2.000	2.278	144061.36	0.0409	P	0.3
3	☐	5.000	5.541	248774.77	0.0709	P	0.6
4	☐	10.000	11.001	427786.19	0.1210	P	1.1
5	☐	100.000	102.606	3345833.59	0.9616	A	1.5
6	☐	200.000	198.631	6237629.70	1.8428	A	2.2

y = 0.0092 * x + 0.0200
R = 0.9999
DL = 0.1085
BEC = 2.184

Weight: <None>
Min Conc: <None>

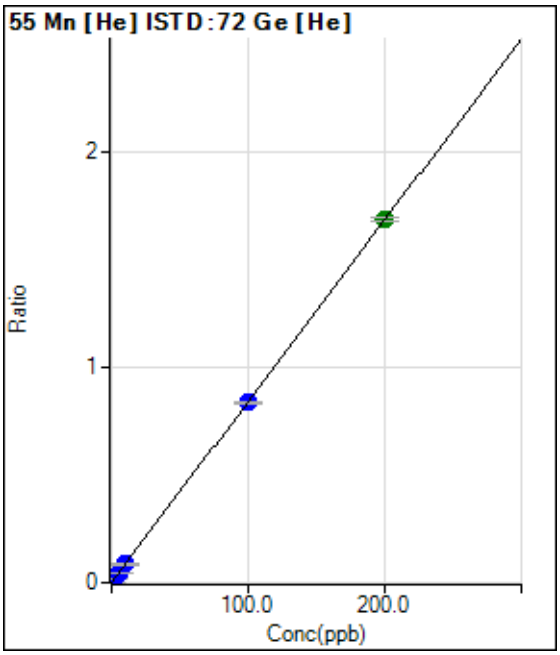


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	31206.08	0.0298	P	1.3
2	☐	2.000	2.237	54317.81	0.0527	P	1.9
3	☐	5.000	5.307	88062.05	0.0841	P	2.1
4	☐	10.000	10.395	143573.51	0.1361	P	1.7
5	☐	100.000	99.459	1071642.95	1.0467	A	0.8
6	☐	200.000	200.241	2052084.87	2.0772	A	2.4

y = 0.0102 * x + 0.0298
R = 1.0000
DL = 0.1159
BEC = 2.915

Weight: <None>
Min Conc: <None>

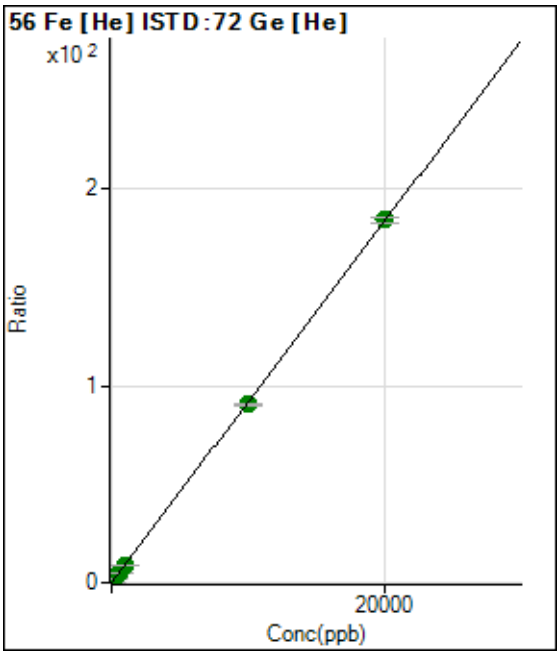
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1050.06	0.0010	P	14.1
2	☐	2.000	2.098	19220.44	0.0186	P	3.3
3	☐	5.000	5.233	47144.88	0.0450	P	1.0
4	☐	10.000	10.044	90132.54	0.0855	P	3.6
5	☐	100.000	99.504	857599.88	0.8377	P	1.3
6	☐	200.000	200.239	1664432.37	1.6847	A	1.2

y = 0.0084 * x + 0.0010
R = 1.0000
DL = 0.05058
BEC = 0.1192

Weight: <None>
Min Conc: <None>

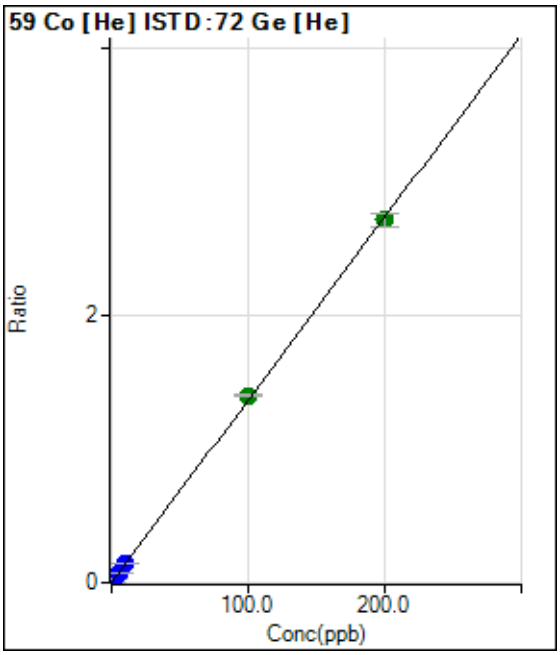


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	36225.02	0.0346	P	3.1
2	☐	200.000	209.035	2014870.44	1.9538	A	2.0
3	☐	500.000	506.620	4908473.05	4.6861	A	1.4
4	☐	1000.000	991.929	9645138.19	9.1419	A	1.7
5	☐	10000.00	9853.898	92662298.62	90.5068	A	1.1
6	☐	20000.00	20073.19	182115990.6	184.334	A	1.4

y = 0.0092 * x + 0.0346
R = 1.0000
DL = 0.3553
BEC = 3.768

Weight: <None>
Min Conc: <None>

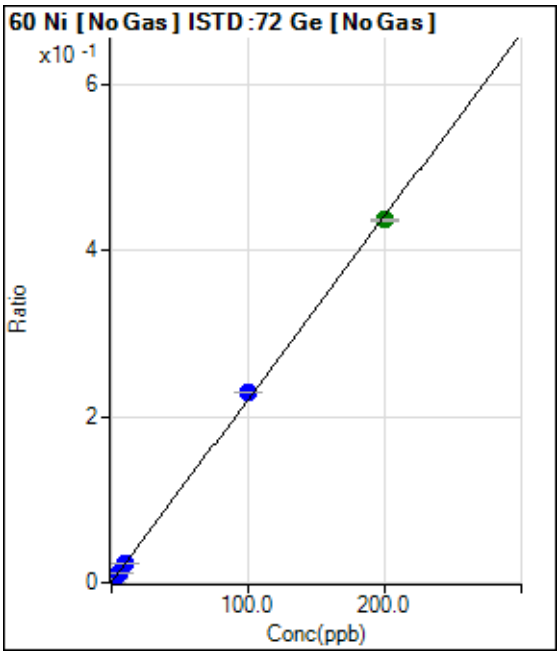
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	166.67	0.0002	P	47.5
2	☐	2.000	2.152	30517.87	0.0296	P	1.2
3	☐	5.000	5.250	75381.18	0.0720	P	1.0
4	☐	10.000	10.345	149391.56	0.1416	P	3.0
5	☐	100.000	102.598	1436873.73	1.4032	A	1.8
6	☐	200.000	198.676	2683986.63	2.7172	A	3.5

y = 0.0137 * x + 1.5890E-004
R = 0.9999
DL = 0.01654
BEC = 0.01162

Weight: <None>
Min Conc: <None>

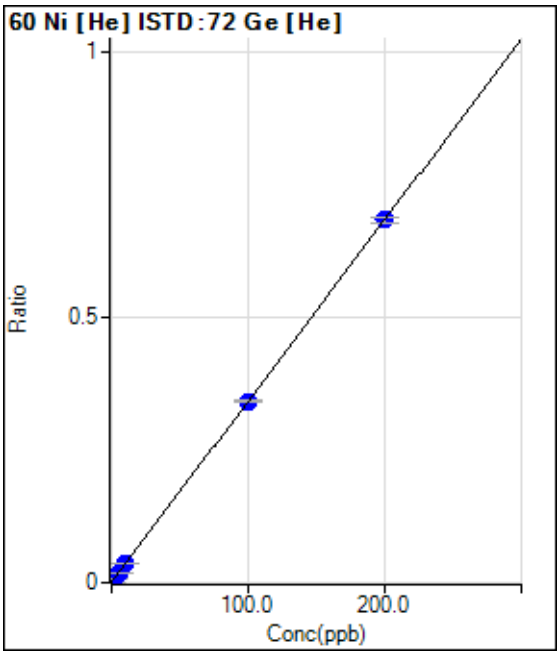


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1720.15	0.0005	P	1.2
2	☐	2.000	2.285	19454.13	0.0055	P	2.0
3	☐	5.000	5.415	43643.56	0.0124	P	0.7
4	☐	10.000	10.625	84598.35	0.0239	P	0.8
5	☐	100.000	103.832	798497.12	0.2295	P	0.9
6	☐	200.000	198.039	1480243.47	0.4372	A	0.3

y = 0.0022 * x + 4.9093E-004
R = 0.9997
DL = 0.00819
BEC = 0.2226

Weight: <None>
Min Conc: <None>

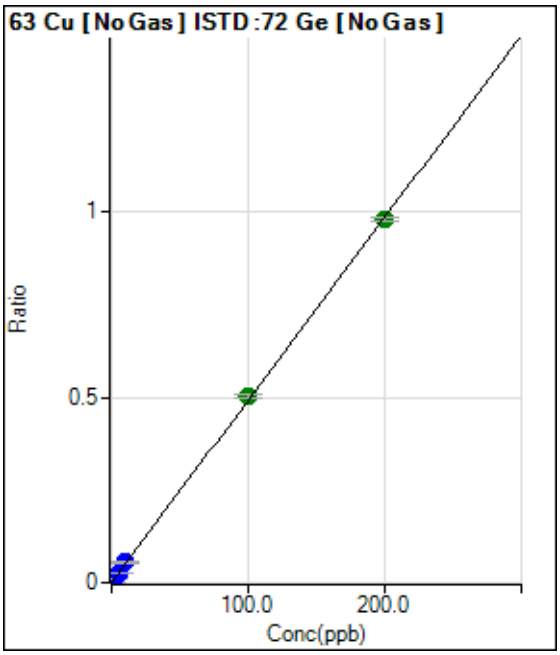
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	780.04	0.0007	P	8.6
2	☐	2.000	2.078	8072.52	0.0078	P	4.1
3	☐	5.000	5.210	19377.39	0.0185	P	1.7
4	☐	10.000	10.213	37478.58	0.0355	P	4.5
5	☐	100.000	99.739	348636.95	0.3405	P	1.1
6	☐	200.000	200.114	674251.32	0.6825	P	1.6

y = 0.0034 * x + 7.4463E-004
R = 1.0000
DL = 0.05623
BEC = 0.2186

Weight: <None>
Min Conc: <None>

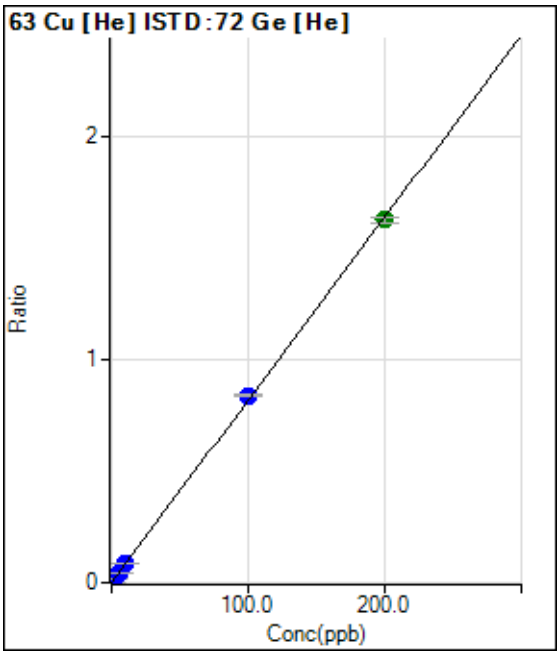


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1716.81	0.0005	P	5.1
2	☐	2.000	2.277	41175.93	0.0117	P	0.7
3	☐	5.000	5.587	98269.47	0.0280	P	2.3
4	☐	10.000	11.025	193693.12	0.0548	P	1.0
5	☐	100.000	102.216	1752983.67	0.5038	A	2.1
6	☐	200.000	198.823	3316055.47	0.9796	A	0.9

y = 0.0049 * x + 4.8994E-004
R = 0.9999
DL = 0.01514
BEC = 0.09949

Weight: <None>
Min Conc: <None>

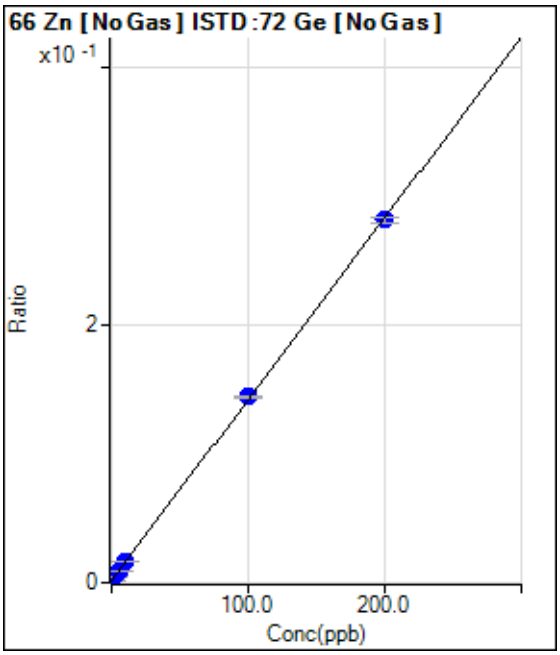
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	760.04	0.0007	P	12.4
2	☐	2.000	2.175	19107.10	0.0185	P	1.4
3	☐	5.000	5.351	46633.37	0.0445	P	2.5
4	☐	10.000	10.477	91221.55	0.0865	P	2.7
5	☐	100.000	102.458	859174.15	0.8392	P	1.0
6	☐	200.000	198.737	1607572.01	1.6271	A	1.6

y = 0.0082 * x + 7.2630E-004
R = 0.9999
DL = 0.03288
BEC = 0.08875

Weight: <None>
Min Conc: <None>

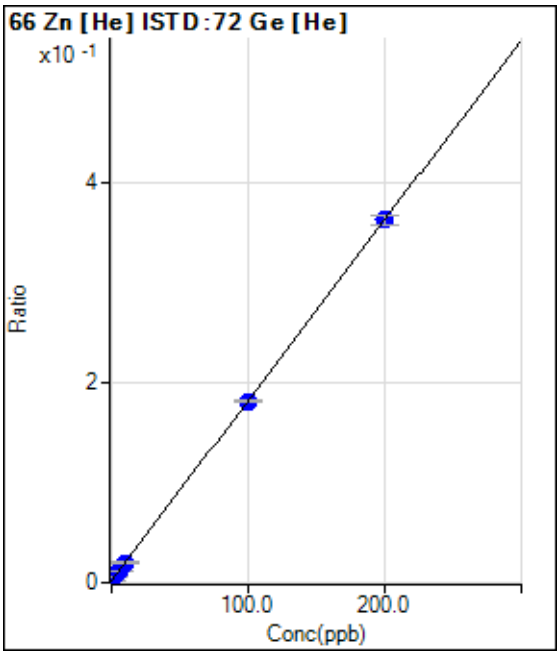


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5784.70	0.0017	P	2.4
2	☐	2.000	2.205	16703.78	0.0047	P	3.5
3	☐	5.000	5.373	32268.83	0.0092	P	1.9
4	☐	10.000	10.465	57789.59	0.0163	P	1.3
5	☐	100.000	101.673	502463.82	0.1444	P	1.3
6	☐	200.000	199.129	952012.04	0.2812	P	1.3

y = 0.0014 * x + 0.0017
R = 1.0000
DL = 0.08331
BEC = 1.176

Weight: <None>
Min Conc: <None>

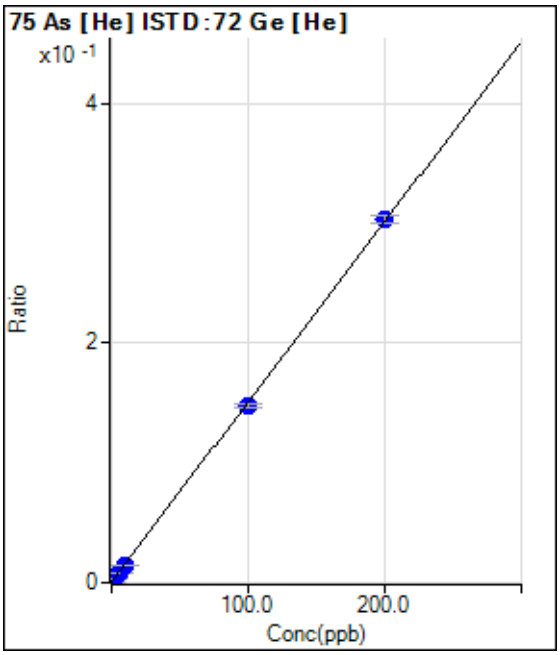
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2346.92	0.0022	P	18.1
2	☐	2.000	2.073	6154.84	0.0060	P	5.1
3	☐	5.000	4.856	11501.71	0.0110	P	1.5
4	☐	10.000	9.880	21116.69	0.0200	P	2.3
5	☐	100.000	99.585	185701.46	0.1814	P	1.5
6	☐	200.000	200.216	358035.20	0.3624	P	2.7

y = 0.0018 * x + 0.0022
R = 1.0000
DL = 0.6776
BEC = 1.245

Weight: <None>
Min Conc: <None>

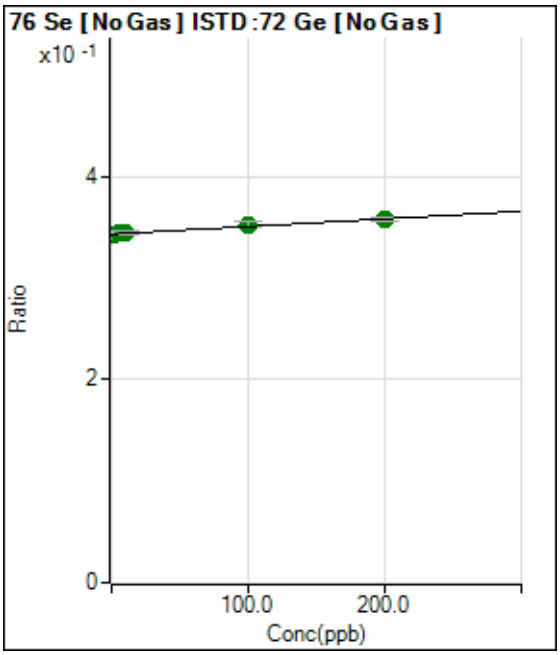


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	362.23	0.0003	P	12.5
2	☐	2.000	2.061	3553.82	0.0034	P	2.5
3	☐	5.000	4.937	8133.59	0.0078	P	4.6
4	☐	10.000	9.649	15661.35	0.0148	P	4.1
5	☐	100.000	97.962	151109.57	0.1476	P	1.2
6	☐	200.000	201.038	298877.43	0.3025	P	2.2

y = 0.0015 * x + 3.4606E-004
R = 0.9999
DL = 0.08658
BEC = 0.2302

Weight: <None>
Min Conc: <None>

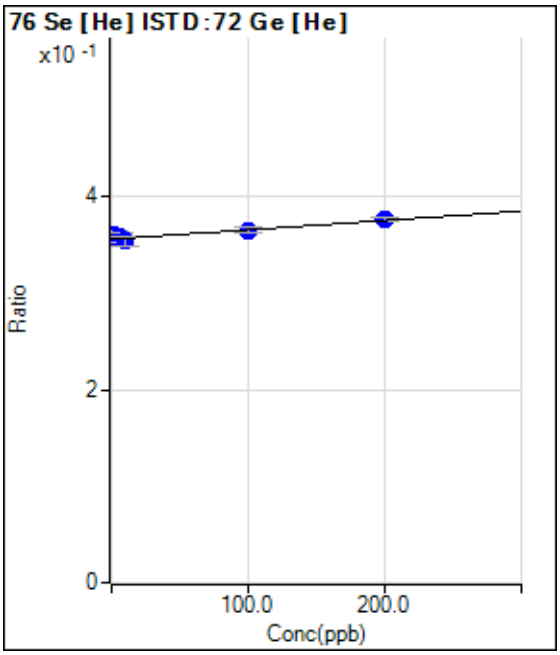
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1203272.79	0.3434	A	1.8
2	☐	2.000	-7.514	1206521.05	0.3429	A	1.8
3	☐	5.000	8.355	1207511.47	0.3441	A	0.9
4	☐	10.000	20.442	1219730.01	0.3450	A	1.0
5	☐	100.000	128.068	1228593.86	0.3531	A	1.6
6	☐	200.000	185.455	1209802.79	0.3574	A	1.1

y = 7.5181E-005 * x + 0.3434
R = 0.9825
DL = 252.7
BEC = 4568

Weight: <None>
Min Conc: <None>

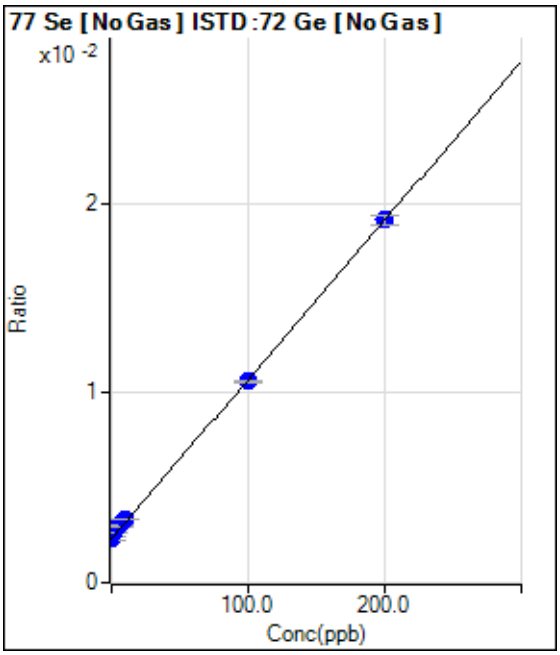


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	372852.99	0.3561	P	1.9
2	☐	2.000	44.300	371649.23	0.3604	P	2.0
3	☐	5.000	19.301	374905.07	0.3580	P	2.4
4	☐	10.000	-22.571	373332.78	0.3539	P	2.5
5	☐	100.000	90.883	373572.32	0.3649	P	1.7
6	☐	200.000	205.406	371501.86	0.3760	P	1.1

y = 9.7034E-005 * x + 0.3561
R = 0.9543
DL = 204.5
BEC = 3670

Weight: <None>
Min Conc: <None>

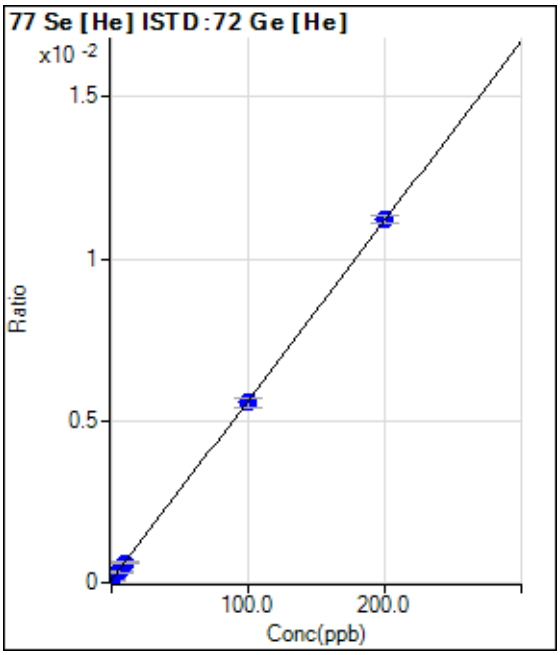
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8145.95	0.0023	P	7.1
2	☐	2.000	3.728	9280.03	0.0026	P	3.3
3	☐	5.000	8.122	10550.94	0.0030	P	3.4
4	☐	10.000	12.606	11962.18	0.0034	P	0.5
5	☐	100.000	99.044	37044.60	0.0106	P	1.0
6	☐	200.000	200.252	64818.84	0.0192	P	2.5

y = 8.4031E-005 * x + 0.0023
R = 0.9999
DL = 5.892
BEC = 27.65

Weight: <None>
Min Conc: <None>

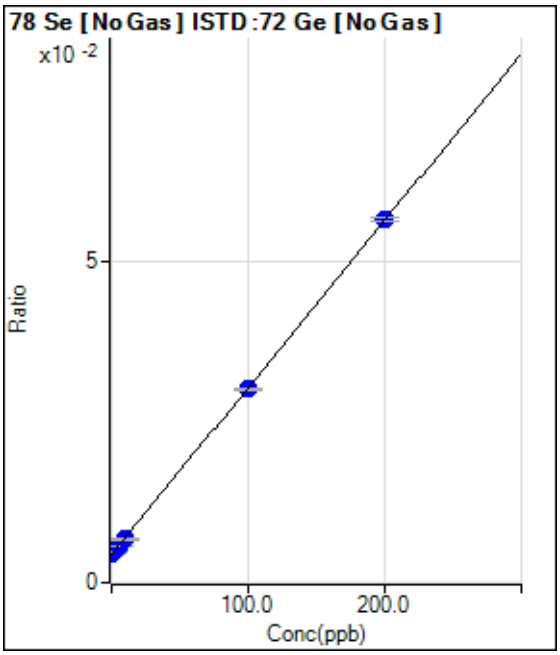


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	80.00	0.0001	P	37.3
2	☐	2.000	2.818	240.01	0.0002	P	4.5
3	☐	5.000	4.770	356.68	0.0003	P	17.2
4	☐	10.000	9.730	650.03	0.0006	P	9.1
5	☐	100.000	99.134	5711.33	0.0056	P	5.3
6	☐	200.000	200.444	11071.35	0.0112	P	2.3

y = 5.5511E-005 * x + 7.6314E-005
R = 1.0000
DL = 1.537
BEC = 1.375

Weight: <None>
Min Conc: <None>

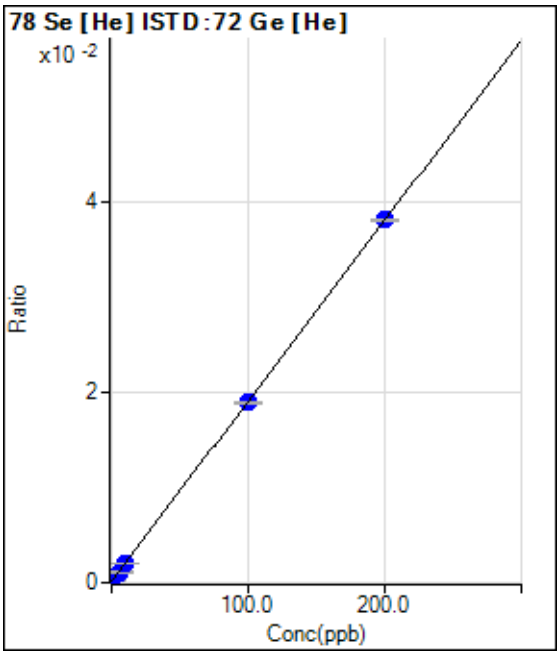
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	15425.81	0.0044	P	0.7
2	☐	2.000	1.774	17104.39	0.0049	P	5.2
3	☐	5.000	4.831	19854.93	0.0057	P	0.3
4	☐	10.000	9.018	23848.10	0.0067	P	2.4
5	☐	100.000	99.086	104866.54	0.0301	P	1.6
6	☐	200.000	200.513	191218.27	0.0565	P	0.9

y = 2.5973E-004 * x + 0.0044
R = 1.0000
DL = 0.3498
BEC = 16.95

Weight: <None>
Min Conc: <None>

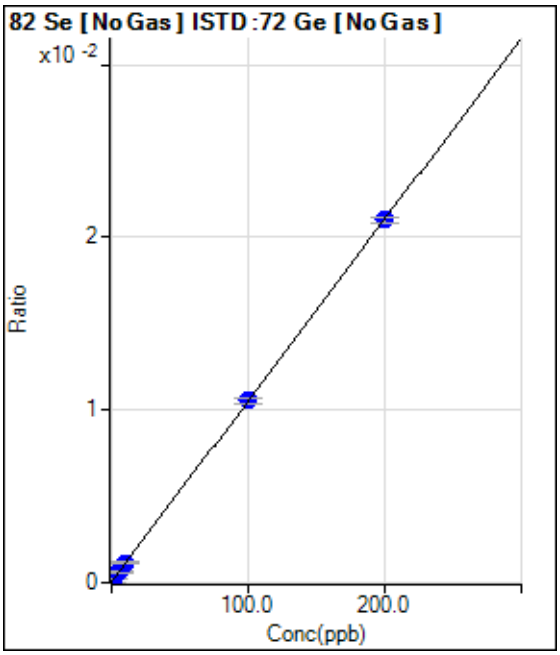


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	176.00	0.0002	P	3.1
2	☐	2.000	1.908	546.01	0.0005	P	7.2
3	☐	5.000	4.854	1138.72	0.0011	P	6.0
4	☐	10.000	9.790	2133.51	0.0020	P	5.0
5	☐	100.000	99.191	19415.28	0.0190	P	0.8
6	☐	200.000	200.419	37685.13	0.0381	P	0.7

y = 1.8947E-004 * x + 1.6806E-004
R = 1.0000
DL = 0.08204
BEC = 0.887

Weight: <None>
Min Conc: <None>

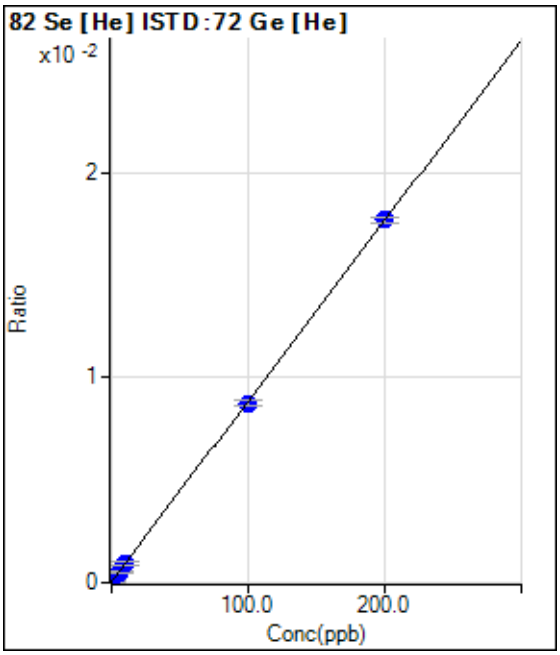
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	178.42	0.0001	P	6.5
2	☐	2.000	1.935	891.45	0.0003	P	15.1
3	☐	5.000	5.355	2149.11	0.0006	P	0.5
4	☐	10.000	10.604	4109.18	0.0012	P	7.5
5	☐	100.000	100.155	36705.97	0.0105	P	3.3
6	☐	200.000	199.884	71097.21	0.0210	P	1.7

y = 1.0482E-004 * x + 5.0940E-005
R = 1.0000
DL = 0.09523
BEC = 0.486

Weight: <None>
Min Conc: <None>

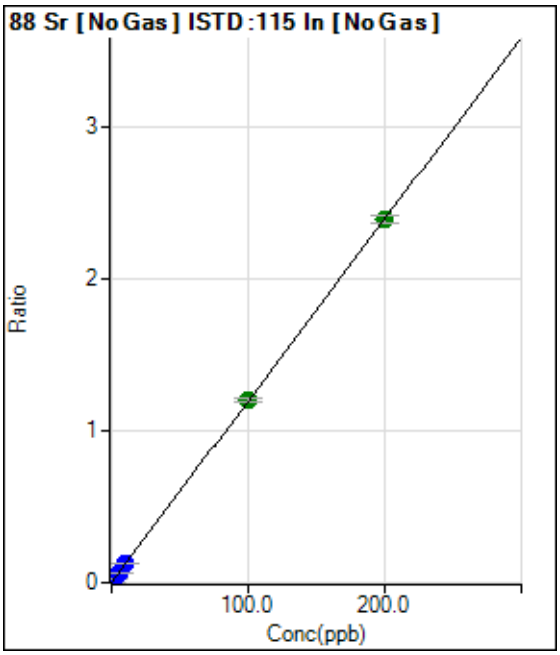


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	46.67	0.0000	P	75.8
2	☐	2.000	2.725	293.35	0.0003	P	34.8
3	☐	5.000	5.238	530.02	0.0005	P	13.3
4	☐	10.000	9.908	966.72	0.0009	P	21.6
5	☐	100.000	99.082	8979.88	0.0088	P	3.9
6	☐	200.000	200.450	17481.62	0.0177	P	1.8

y = 8.8045E-005 * x + 4.4651E-005
R = 1.0000
DL = 1.153
BEC = 0.5071

Weight: <None>
Min Conc: <None>

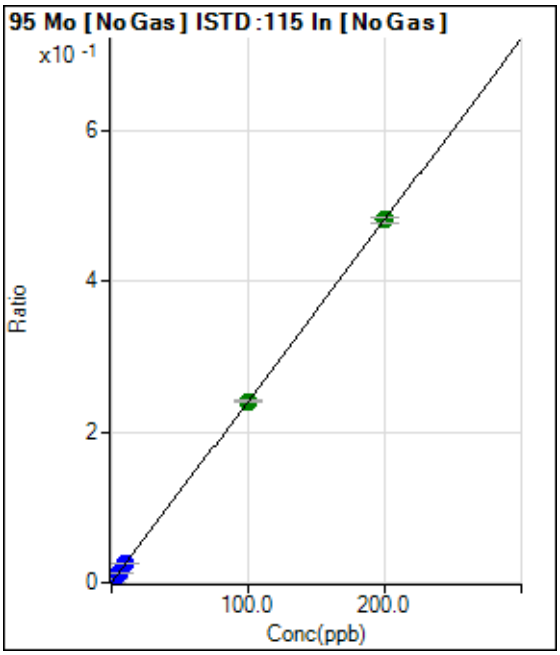
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5677.96	0.0014	P	6.0
2	☐	2.000	2.093	108080.62	0.0264	P	1.7
3	☐	5.000	5.397	270370.09	0.0658	P	1.1
4	☐	10.000	10.719	529870.49	0.1294	P	2.8
5	☐	100.000	100.465	4828903.37	1.2011	A	1.9
6	☐	200.000	199.721	9328614.86	2.3863	A	2.2

y = 0.0119 * x + 0.0014
R = 1.0000
DL = 0.02094
BEC = 0.116

Weight: <None>
Min Conc: <None>

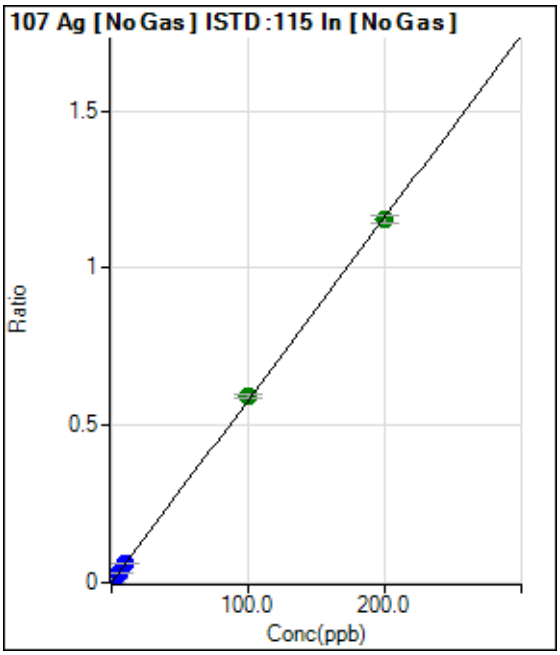


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1046.73	0.0003	P	9.2
2	☐	2.000	2.094	21674.51	0.0053	P	3.7
3	☐	5.000	5.126	51687.12	0.0126	P	1.6
4	☐	10.000	10.198	101504.74	0.0248	P	3.2
5	☐	100.000	99.890	966998.32	0.2405	A	1.6
6	☐	200.000	200.041	1882345.39	0.4814	A	1.9

y = 0.0024 * x + 2.5544E-004
R = 1.0000
DL = 0.0294
BEC = 0.1062

Weight: <None>
Min Conc: <None>

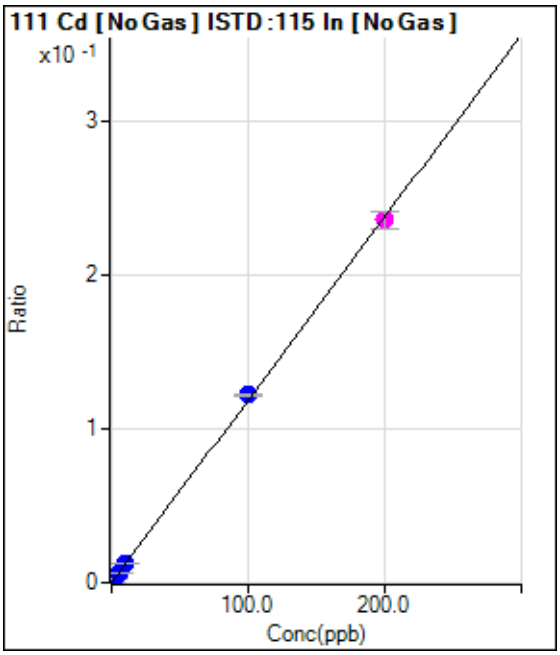
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	180.00	0.0000	P	32.9
2	☐	2.000	2.165	51630.75	0.0126	P	2.6
3	☐	5.000	5.507	131357.59	0.0320	P	2.0
4	☐	10.000	10.936	260047.08	0.0635	P	1.8
5	☐	100.000	102.289	2385773.61	0.5934	A	1.7
6	☐	200.000	198.795	4507980.14	1.1532	A	2.1

y = 0.0058 * x + 4.3732E-005
R = 0.9999
DL = 0.007438
BEC = 0.007539

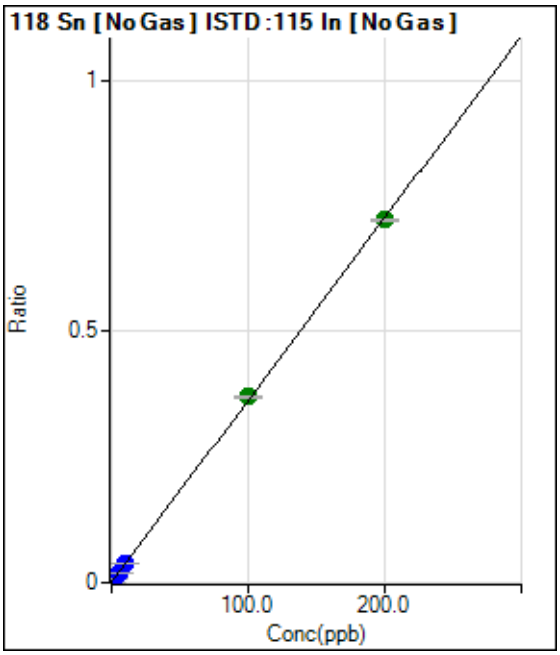
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	-30.07	0.0000	P	-144.5
2	☐	2.000	1.976	9565.29	0.0023	P	3.2
3	☐	5.000	5.191	25247.68	0.0061	P	1.1
4	☐	10.000	10.380	50388.80	0.0123	P	3.3
5	☐	100.000	102.688	489474.05	0.1217	P	0.8
6	☐	200.000	198.633	920275.06	0.2355	M	5.0

y = 0.0012 * x - 7.3568E-006
R = 0.9999
DL = 0.0269
BEC = -0.006205

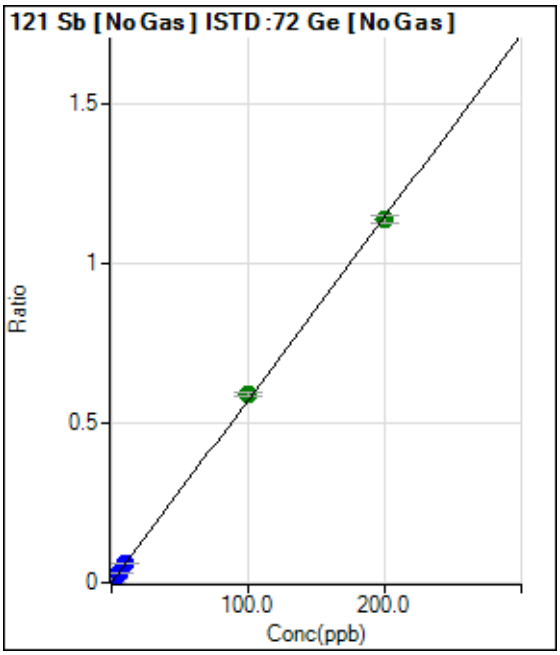
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2413.61	0.0006	P	3.1
2	☐	2.000	2.047	32808.16	0.0080	P	4.7
3	☐	5.000	5.244	80509.22	0.0196	P	3.0
4	☐	10.000	10.427	157300.16	0.0384	P	1.0
5	☐	100.000	101.819	1486794.09	0.3698	A	1.4
6	☐	200.000	199.063	2824391.52	0.7224	A	0.7

y = 0.0036 * x + 5.8849E-004
R = 0.9999
DL = 0.0151
BEC = 0.1623

Weight: <None>
Min Conc: <None>

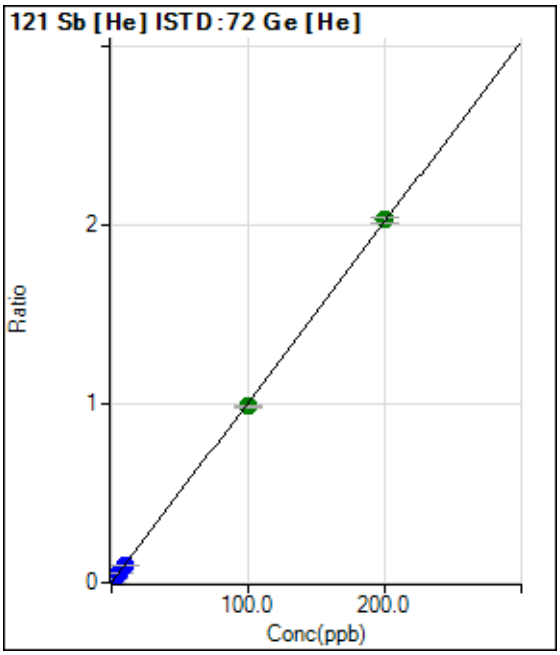


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	360.01	0.0001	P	17.4
2	☐	2.000	2.112	42820.20	0.0122	P	1.9
3	☐	5.000	5.358	107844.20	0.0307	P	2.0
4	☐	10.000	10.514	212836.13	0.0602	P	0.3
5	☐	100.000	102.825	2045242.84	0.5878	A	1.9
6	☐	200.000	198.552	3841967.96	1.1349	A	1.9

y = 0.0057 * x + 1.0275E-004
R = 0.9999
DL = 0.009359
BEC = 0.01798

Weight: <None>
Min Conc: <None>

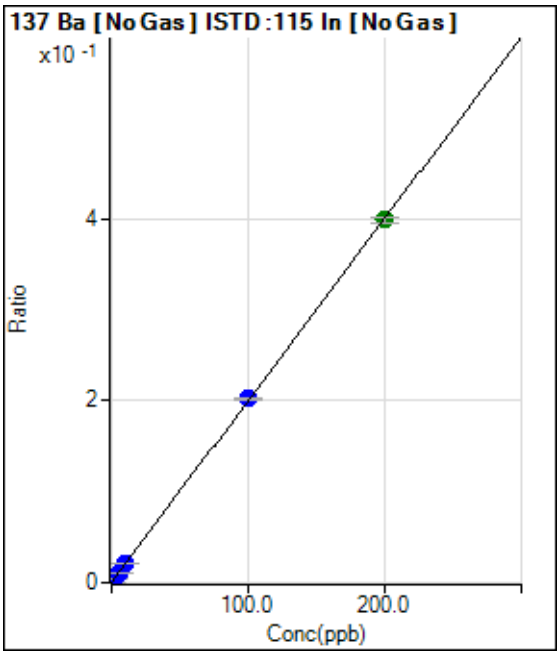
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	153.34	0.0001	P	25.5
2	☐	2.000	1.950	20416.23	0.0198	P	2.7
3	☐	5.000	4.951	52431.77	0.0501	P	2.7
4	☐	10.000	9.585	102065.24	0.0968	P	3.2
5	☐	100.000	97.719	1008612.41	0.9852	A	1.1
6	☐	200.000	201.163	2003433.36	2.0279	A	1.7

y = 0.0101 * x + 1.4623E-004
R = 0.9999
DL = 0.01109
BEC = 0.01451

Weight: <None>
Min Conc: <None>

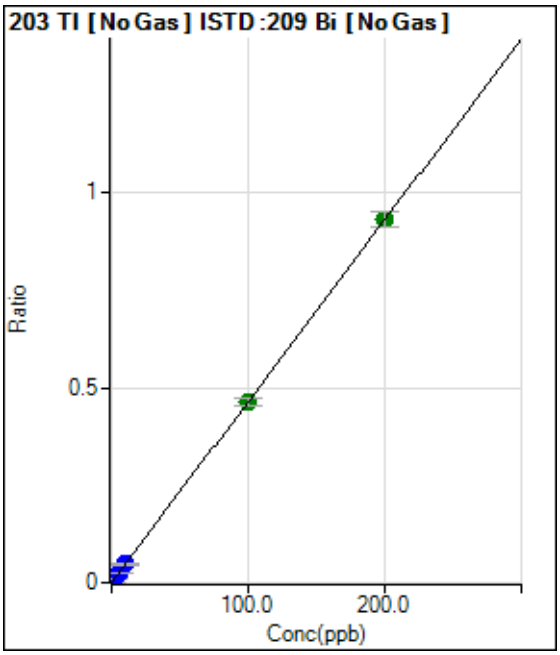


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1323.43	0.0003	P	10.6
2	☐	2.000	2.010	17769.03	0.0043	P	4.5
3	☐	5.000	5.171	43743.75	0.0107	P	2.5
4	☐	10.000	10.237	85091.18	0.0208	P	1.9
5	☐	100.000	101.158	813727.10	0.2024	P	0.7
6	☐	200.000	199.405	1558622.63	0.3986	A	1.2

y = 0.0020 * x + 3.2294E-004
R = 1.0000
DL = 0.05162
BEC = 0.1617

Weight: <None>
Min Conc: <None>

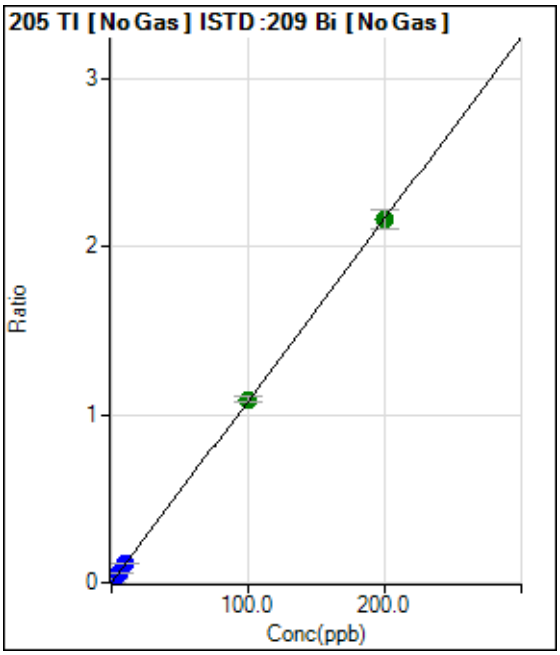
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	143.33	0.0000	P	14.1
2	☐	2.000	1.996	32943.90	0.0093	P	5.9
3	☐	5.000	5.060	83498.63	0.0235	P	5.9
4	☐	10.000	10.075	166125.37	0.0468	P	4.6
5	☐	100.000	99.498	1601183.99	0.4619	A	4.4
6	☐	200.000	200.246	3101444.75	0.9296	A	4.3

y = 0.0046 * x + 4.1066E-005
R = 1.0000
DL = 0.003755
BEC = 0.008846

Weight: <None>
Min Conc: <None>

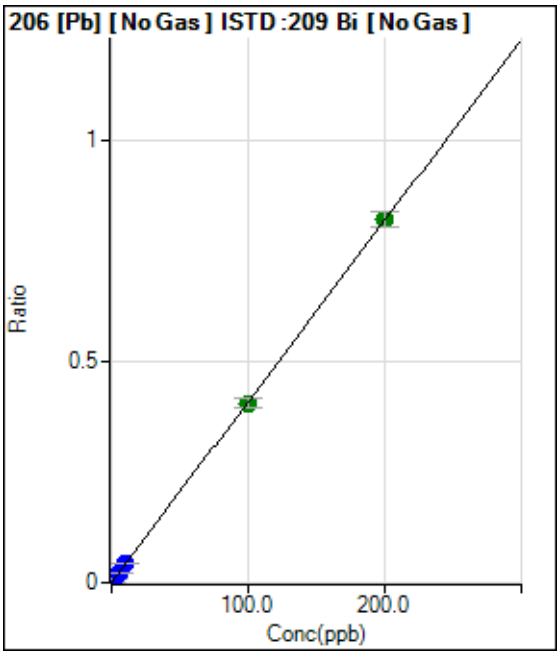


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	386.68	0.0001	P	10.5
2	☐	2.000	2.038	78503.53	0.0222	P	6.3
3	☐	5.000	5.210	200661.95	0.0565	P	5.4
4	☐	10.000	10.271	395273.77	0.1114	P	4.1
5	☐	100.000	100.888	3788253.90	1.0929	A	3.9
6	☐	200.000	199.537	7209769.68	2.1614	A	5.4

y = 0.0108 * x + 1.1089E-004
R = 1.0000
DL = 0.003219
BEC = 0.01024

Weight: <None>
Min Conc: <None>

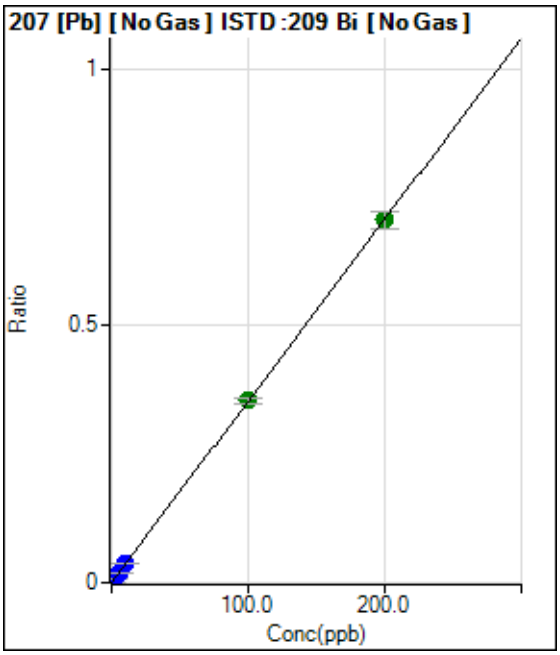
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	436.69	0.0001	P	12.9
2	☐	2.000	2.056	30257.15	0.0085	P	5.8
3	☐	5.000	5.259	76923.32	0.0217	P	4.6
4	☐	10.000	10.430	152068.80	0.0429	P	4.8
5	☐	100.000	99.054	1406781.33	0.4059	A	5.3
6	☐	200.000	200.444	2739896.00	0.8213	A	4.4

y = 0.0041 * x + 1.2530E-004
R = 1.0000
DL = 0.01188
BEC = 0.03059

Weight: <None>
Min Conc: <None>

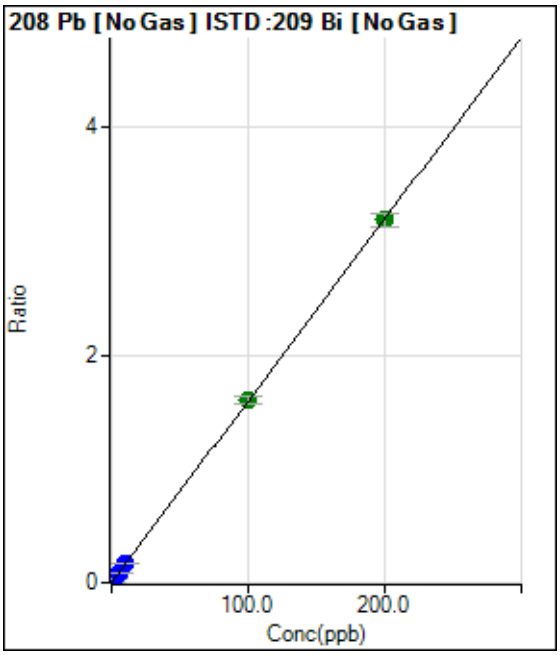


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	283.34	0.0001	P	22.4
2	☐	2.000	2.057	25984.04	0.0073	P	5.4
3	☐	5.000	5.236	65870.84	0.0186	P	5.4
4	☐	10.000	10.397	130494.83	0.0368	P	5.0
5	☐	100.000	100.173	1225786.83	0.3536	A	4.0
6	☐	200.000	199.887	2353871.27	0.7055	A	4.5

y = 0.0035 * x + 8.1364E-005
R = 1.0000
DL = 0.01548
BEC = 0.02305

Weight: <None>
Min Conc: <None>

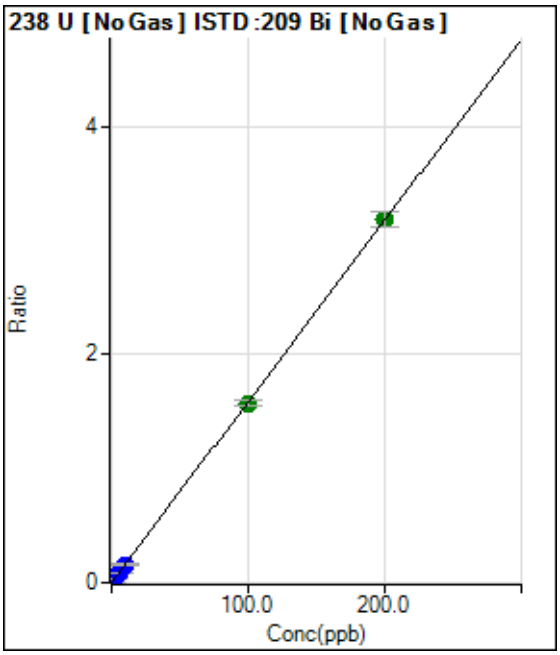
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1466.73	0.0004	P	8.1
2	☐	2.000	2.085	119257.66	0.0337	P	5.7
3	☐	5.000	5.326	303224.70	0.0854	P	5.3
4	☐	10.000	10.553	599281.09	0.1689	P	4.7
5	☐	100.000	100.613	5568178.95	1.6064	A	4.1
6	☐	200.000	199.657	10635069.27	3.1873	A	3.7

y = 0.0160 * x + 4.2069E-004
R = 1.0000
DL = 0.006413
BEC = 0.02636

Weight: <None>
Min Conc: <None>

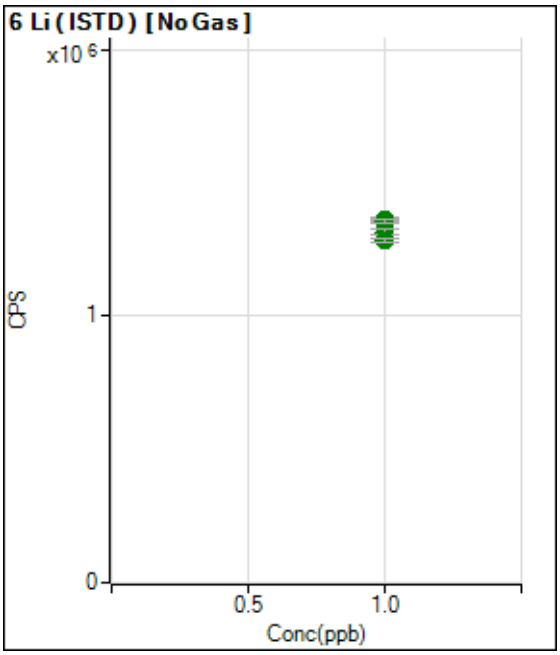


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	103.33	0.0000	P	40.7
2	☐	2.000	2.020	113664.69	0.0321	P	5.5
3	☐	5.000	5.045	284507.46	0.0802	P	5.2
4	☐	10.000	10.056	566819.00	0.1598	P	5.7
5	☐	100.000	99.227	5463864.92	1.5760	A	2.6
6	☐	200.000	200.382	10618581.30	3.1827	A	4.2

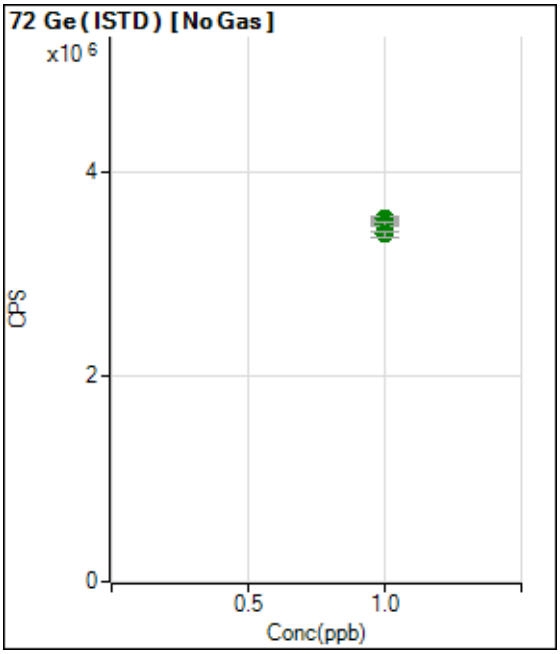
y = 0.0159 * x + 2.9635E-005
R = 1.0000
DL = 0.002278
BEC = 0.001866

Weight: <None>
Min Conc: <None>

Calibration for 329_ICV.d

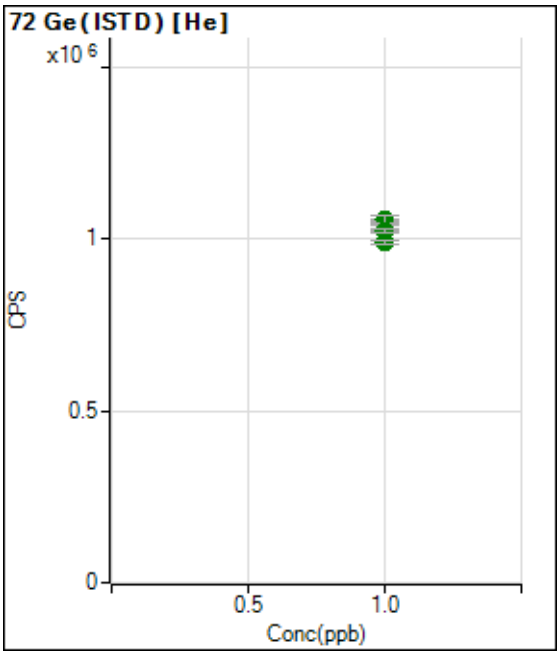


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1347953.42		A	0.4
2	☐	1.000		1354643.78		A	0.6
3	☐	1.000		1360235.83		A	1.8
4	☐	1.000		1356045.90		A	1.0
5	☐	1.000		1313726.26		A	1.5
6	☐	1.000		1280788.48		A	1.2

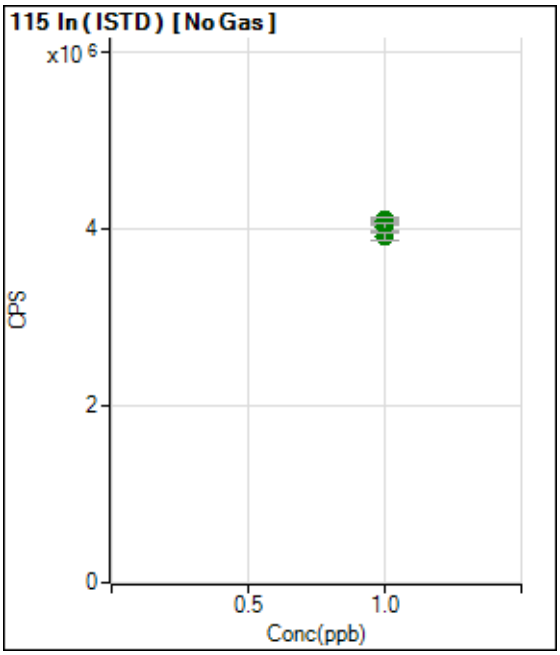


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3504067.86		A	1.0
2	☐	1.000		3518809.95		A	1.7
3	☐	1.000		3509814.95		A	1.2
4	☐	1.000		3536168.28		A	1.8
5	☐	1.000		3479762.34		A	1.1
6	☐	1.000		3385346.51		A	1.3

Calibration for 329_ICV.d

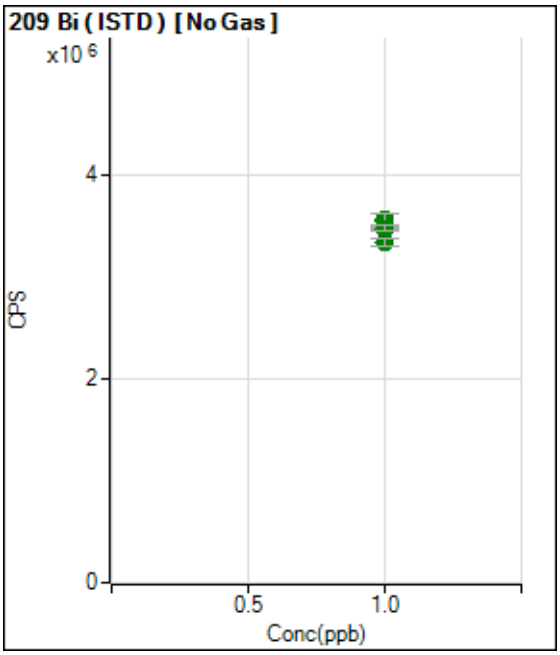


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1047185.69		A	0.9
2	☐	1.000		1031461.13		A	1.6
3	☐	1.000		1047637.25		A	1.8
4	☐	1.000		1055297.87		A	2.2
5	☐	1.000		1023848.34		A	1.1
6	☐	1.000		988065.04		A	1.2



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4101194.70		A	1.7
2	☐	1.000		4097281.46		A	1.8
3	☐	1.000		4106824.68		A	0.2
4	☐	1.000		4096853.47		A	2.3
5	☐	1.000		4020928.37		A	2.3
6	☐	1.000		3910312.10		A	2.2

Calibration for 329_ICV.d



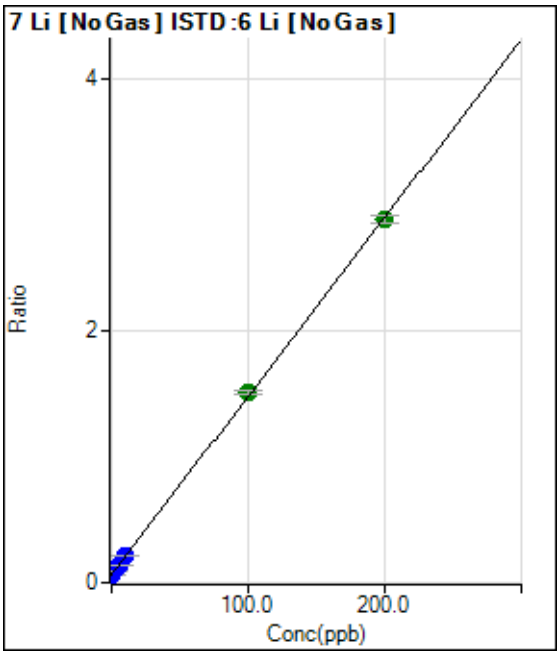
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3488916.72		A	1.3
2	☐	1.000		3543894.32		A	3.7
3	☐	1.000		3554045.67		A	3.8
4	☐	1.000		3552677.03		A	3.4
5	☐	1.000		3467796.41		A	1.7
6	☐	1.000		3338621.93		A	2.5

Calibration for 026_ICV.d

Batch Folder: C:\Agilent\ICPMH\1\DATA\062023A.b\
Analysis File: 062023A.batch.bin
DA Date-Time: 6/20/2023 12:11:32 PM
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	019CALB.d	CAL BLK	6/20/2023 10:07:53 AM
2	020CALS.d	2/10/200	6/20/2023 10:09:49 AM
3	021CALS.d	5/25/500	6/20/2023 10:11:44 AM
4	022CALS.d	10/50/100	6/20/2023 10:13:38 AM
5	023CALS.d	100/500/10K	6/20/2023 10:15:32 AM
6	024CALS.d	200/1000/20K	6/20/2023 10:17:20 AM

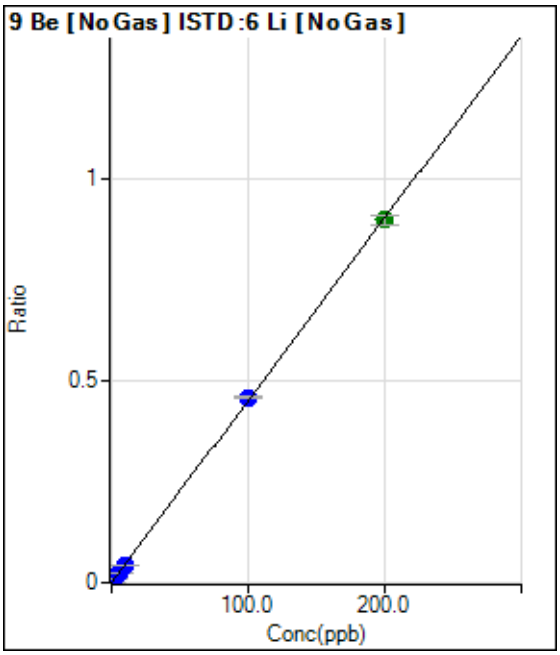
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	85197.48	0.0643	P	1.2
2	☐	2.000	2.076	121553.72	0.0936	P	2.1
3	☐	5.000	5.267	177273.45	0.1388	P	1.0
4	☐	10.000	10.474	275253.24	0.2125	P	3.0
5	☐	100.000	102.216	1863802.84	1.5112	A	1.5
6	☐	200.000	198.861	3485725.16	2.8792	A	2.3

y = 0.0142 * x + 0.0643
R = 0.9999
DL = 0.1672
BEC = 4.54

Weight: <None>
Min Conc: <None>

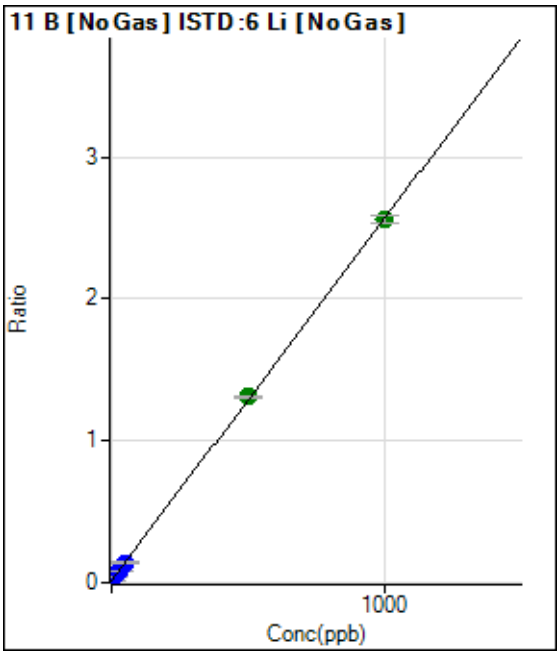


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	60.00	0.0000	P	15.1
2	☐	2.000	2.004	11781.66	0.0091	P	3.0
3	☐	5.000	5.055	29140.26	0.0228	P	3.7
4	☐	10.000	9.806	57271.14	0.0442	P	3.9
5	☐	100.000	101.757	565627.31	0.4586	P	0.4
6	☐	200.000	199.130	1086648.97	0.8973	A	2.4

y = 0.0045 * x + 4.5187E-005
R = 0.9999
DL = 0.004549
BEC = 0.01003

Weight: <None>
Min Conc: <None>

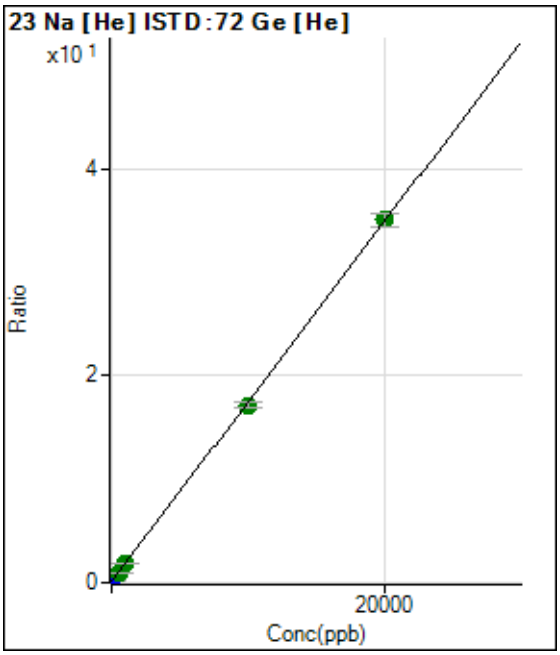
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	19830.69	0.0150	P	0.9
2	☐	10.000	9.652	51373.72	0.0396	P	2.6
3	☐	25.000	24.847	100000.34	0.0783	P	3.8
4	☐	50.000	49.345	182291.56	0.1408	P	5.3
5	☐	500.000	507.081	1614097.21	1.3085	A	0.5
6	☐	1000.000	996.500	3096618.81	2.5571	A	2.2

y = 0.0026 * x + 0.0150
R = 1.0000
DL = 0.1557
BEC = 5.863

Weight: <None>
Min Conc: <None>

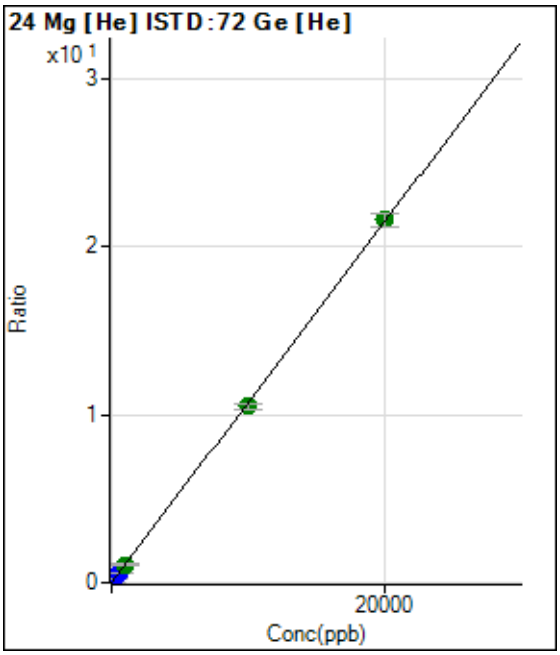


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	110343.30	0.1011	P	1.6
2	☐	200.000	214.217	506930.60	0.4736	P	2.2
3	☐	500.000	505.181	1051892.79	0.9795	A	3.0
4	☐	1000.000	997.970	1945980.13	1.8364	A	3.0
5	☐	10000.00	9810.103	17705795.15	17.1593	A	3.1
6	☐	20000.00	20094.77	34971765.31	35.0428	A	3.4

y = 0.0017 * x + 0.1011
R = 0.9999
DL = 2.763
BEC = 58.15

Weight: <None>
Min Conc: <None>

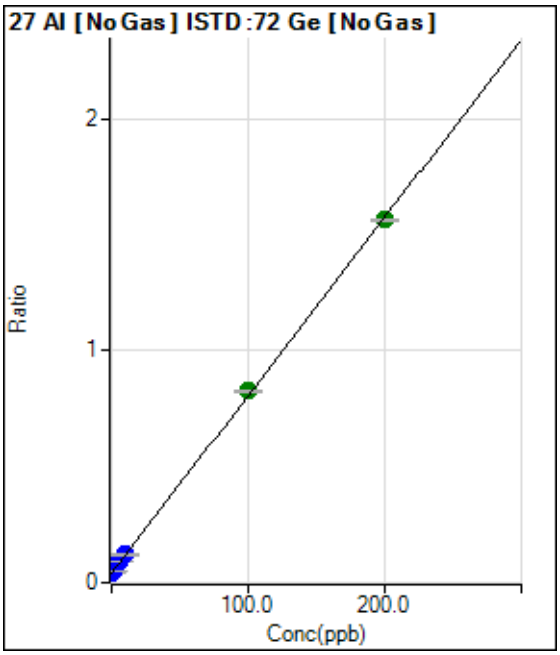
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1663.46	0.0015	P	11.5
2	☐	200.000	211.531	244782.00	0.2287	P	2.7
3	☐	500.000	520.850	602390.93	0.5609	P	1.2
4	☐	1000.000	999.593	1138734.18	1.0750	A	5.0
5	☐	10000.00	9763.028	10819547.76	10.4861	A	3.1
6	☐	20000.00	20117.87	21562500.51	21.6062	A	3.4

y = 0.0011 * x + 0.0015
R = 0.9999
DL = 0.4905
BEC = 1.418

Weight: <None>
Min Conc: <None>

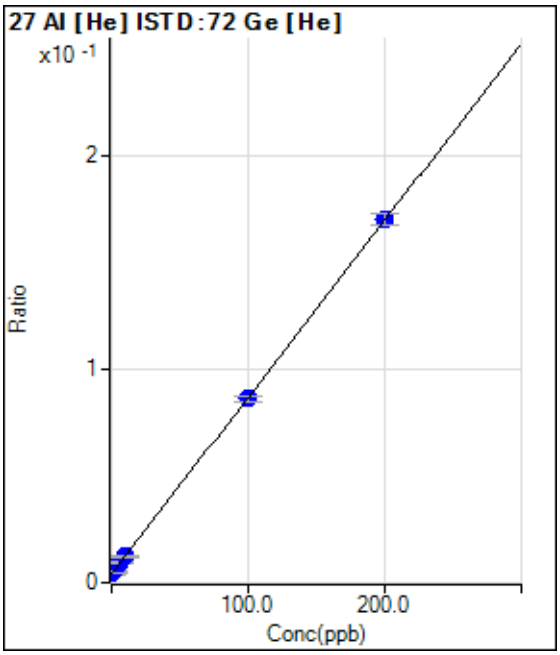


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	128728.27	0.0408	P	2.3
2	☐	2.000	1.366	160725.08	0.0512	P	2.3
3	☐	5.000	6.527	278566.74	0.0908	P	3.1
4	☐	10.000	10.469	373436.99	0.1210	P	3.9
5	☐	100.000	102.352	2508530.12	0.8252	A	1.1
6	☐	200.000	198.769	4689638.78	1.5641	A	0.7

y = 0.0077 * x + 0.0408
R = 0.9999
DL = 0.3718
BEC = 5.317

Weight: <None>
Min Conc: <None>

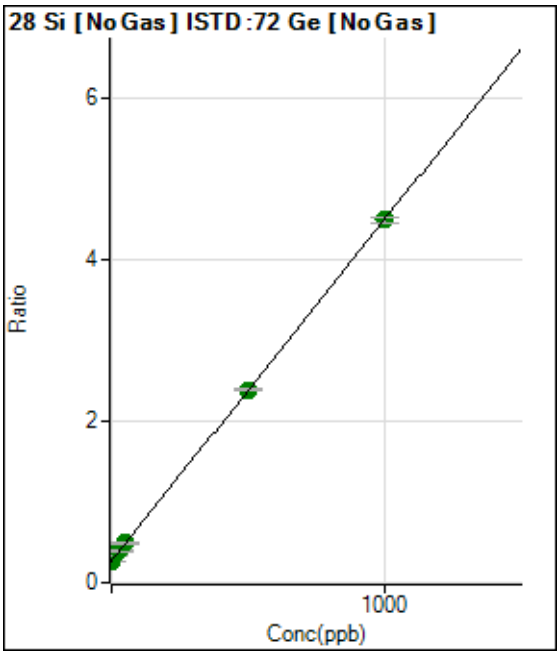
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4444.11	0.0041	P	3.0
2	☐	2.000	1.096	5331.12	0.0050	P	1.7
3	☐	5.000	6.207	9890.39	0.0092	P	7.7
4	☐	10.000	9.992	13083.02	0.0123	P	5.9
5	☐	100.000	99.132	88943.35	0.0862	P	2.7
6	☐	200.000	200.413	169776.60	0.1701	P	3.3

y = 8.2840E-004 * x + 0.0041
R = 1.0000
DL = 0.4412
BEC = 4.916

Weight: <None>
Min Conc: <None>

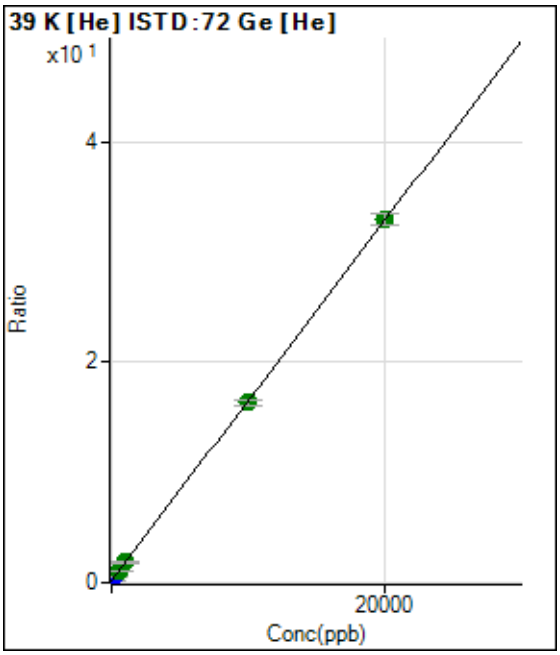


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	853658.42	0.2702	A	1.9
2	☐	10.000	12.254	1010504.36	0.3220	A	0.4
3	☐	25.000	29.071	1206423.91	0.3930	A	2.3
4	☐	50.000	52.481	1518345.60	0.4919	A	3.2
5	☐	500.000	501.387	7258744.48	2.3878	A	1.2
6	☐	1000.000	999.058	13457271.88	4.4897	A	1.6

y = 0.0042 * x + 0.2702
R = 1.0000
DL = 3.581
BEC = 63.98

Weight: <None>
Min Conc: <None>

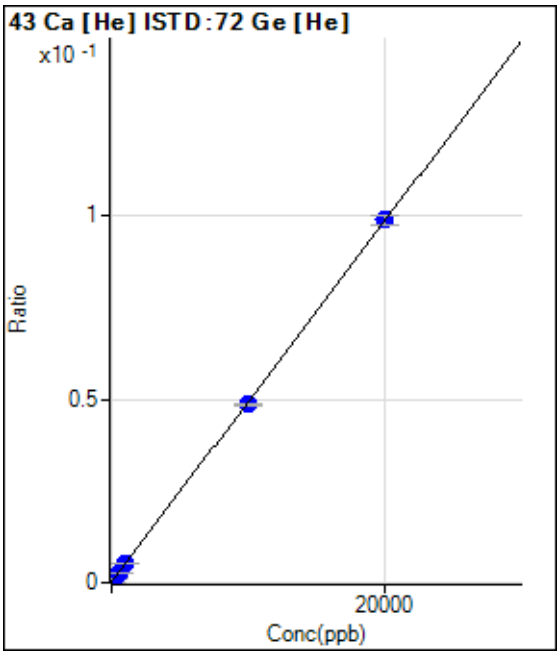
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	213297.46	0.1955	P	1.4
2	☐	200.000	210.641	577395.09	0.5394	P	2.3
3	☐	500.000	504.106	1094095.11	1.0187	A	1.8
4	☐	1000.000	1004.271	1944736.38	1.8355	A	3.6
5	☐	10000.00	9887.358	16862576.83	16.3422	A	2.9
6	☐	20000.00	20055.89	32885248.68	32.9482	A	3.1

y = 0.0016 * x + 0.1955
R = 1.0000
DL = 5.143
BEC = 119.7

Weight: <None>
Min Conc: <None>

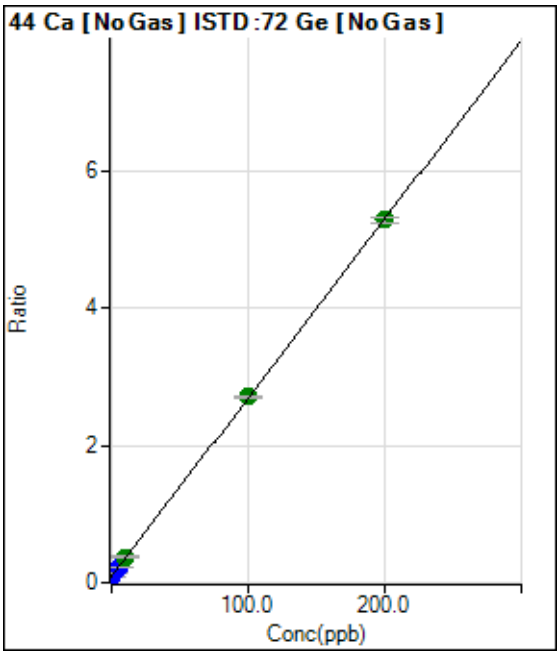


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	133.33	0.0001	P	17.9
2	☐	200.000	209.162	1233.41	0.0012	P	2.4
3	☐	500.000	481.167	2677.00	0.0025	P	4.8
4	☐	1000.000	1026.928	5487.86	0.0052	P	3.1
5	☐	10000.00	9845.744	50175.02	0.0486	P	1.1
6	☐	20000.00	20076.16	98793.49	0.0990	P	2.7

y = 4.9241E-006 * x + 1.2204E-004
R = 1.0000
DL = 13.33
BEC = 24.78

Weight: <None>
Min Conc: <None>

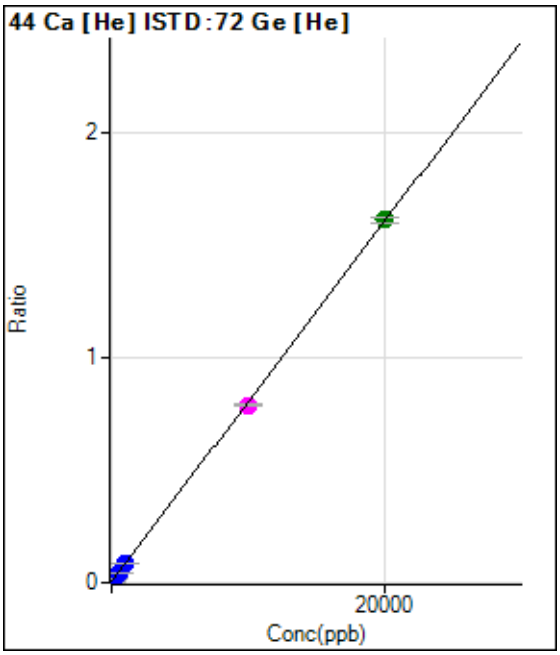
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	284480.11	0.0901	P	2.0
2	☐	2.000	2.183	460683.33	0.1468	P	1.4
3	☐	5.000	5.525	717034.39	0.2337	P	3.6
4	☐	10.000	11.011	1161744.67	0.3762	A	1.7
5	☐	100.000	100.545	8217776.54	2.7033	A	0.8
6	☐	200.000	199.662	15826472.26	5.2795	A	1.6

y = 0.0260 * x + 0.0901
R = 1.0000
DL = 0.2073
BEC = 3.465

Weight: <None>
Min Conc: <None>

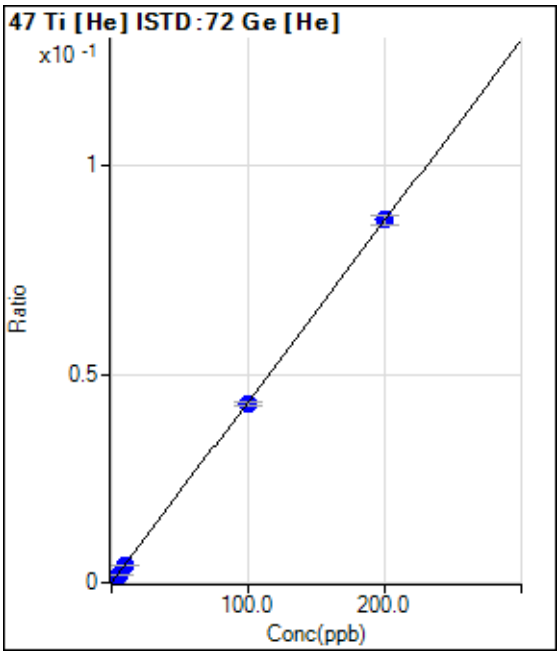


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4790.92	0.0044	P	7.9
2	☐	200.000	198.132	21664.02	0.0202	P	2.5
3	☐	500.000	498.442	47545.76	0.0443	P	0.3
4	☐	1000.000	996.459	89124.28	0.0841	P	2.3
5	☐	10000.00	9808.656	814538.76	0.7890	M	0.5
6	☐	20000.00	20095.90	1609256.07	1.6120	A	1.3

y = 7.9995E-005 * x + 0.0044
R = 0.9999
DL = 13.04
BEC = 54.89

Weight: <None>
Min Conc: <None>

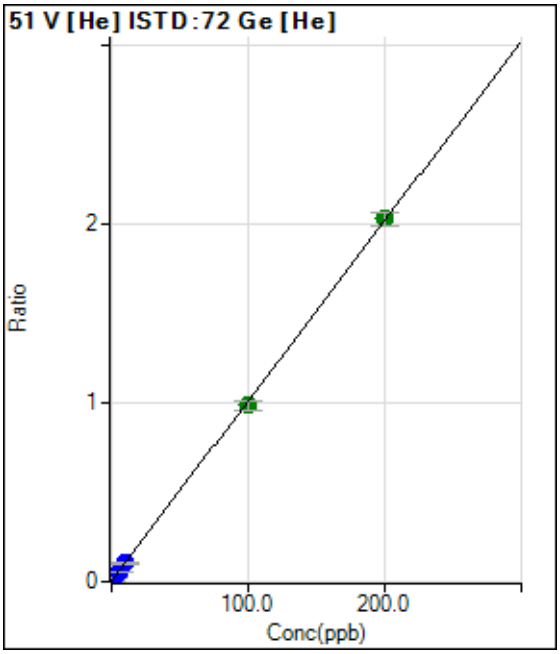
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	10.00	0.0000	P	100.6
2	☐	2.000	1.977	930.05	0.0009	P	12.0
3	☐	5.000	4.613	2160.21	0.0020	P	4.8
4	☐	10.000	9.543	4397.46	0.0042	P	6.6
5	☐	100.000	98.986	44355.34	0.0430	P	2.9
6	☐	200.000	200.540	86914.16	0.0871	P	2.4

y = 4.3415E-004 * x + 9.1625E-006
R = 1.0000
DL = 0.06367
BEC = 0.0211

Weight: <None>
Min Conc: <None>

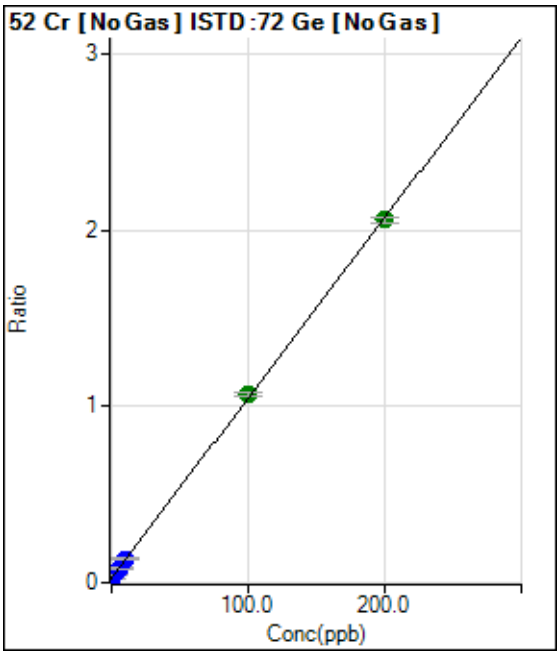


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5586.73	0.0051	P	3.6
2	☐	2.000	1.950	26492.28	0.0247	P	0.9
3	☐	5.000	4.902	58481.97	0.0545	P	1.5
4	☐	10.000	9.730	109189.28	0.1031	P	3.3
5	☐	100.000	97.594	1018424.09	0.9873	A	4.9
6	☐	200.000	201.220	2026196.38	2.0303	A	3.7

y = 0.0101 * x + 0.0051
R = 0.9999
DL = 0.05481
BEC = 0.5087

Weight: <None>
Min Conc: <None>

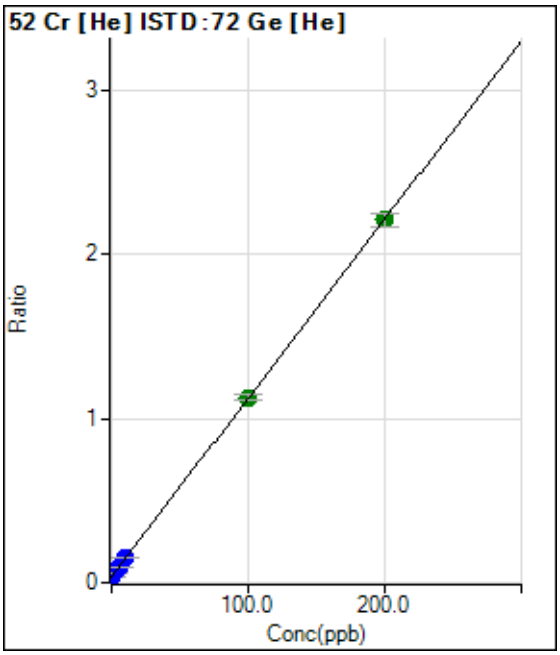
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	78390.82	0.0248	P	1.6
2	☐	2.000	2.298	151531.49	0.0483	P	3.1
3	☐	5.000	5.418	246102.27	0.0802	P	4.5
4	☐	10.000	10.822	418186.48	0.1354	P	2.1
5	☐	100.000	102.112	3248987.66	1.0687	A	1.7
6	☐	200.000	198.889	6170605.12	2.0581	A	1.7

y = 0.0102 * x + 0.0248
R = 0.9999
DL = 0.1165
BEC = 2.426

Weight: <None>
Min Conc: <None>

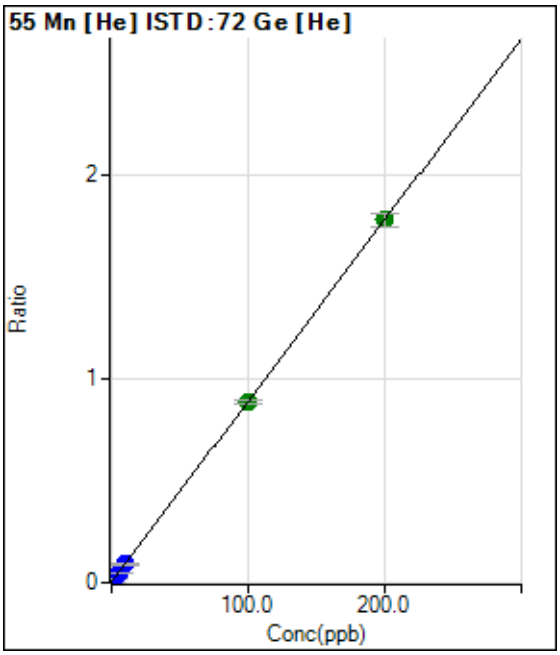


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	39527.38	0.0362	P	4.6
2	☐	2.000	2.223	64659.19	0.0604	P	1.2
3	☐	5.000	5.062	98029.80	0.0913	P	2.2
4	☐	10.000	10.473	159094.17	0.1502	P	3.5
5	☐	100.000	100.270	1162800.63	1.1270	A	3.5
6	☐	200.000	199.838	2205750.85	2.2102	A	3.5

y = 0.0109 * x + 0.0362
R = 1.0000
DL = 0.4563
BEC = 3.329

Weight: <None>
Min Conc: <None>

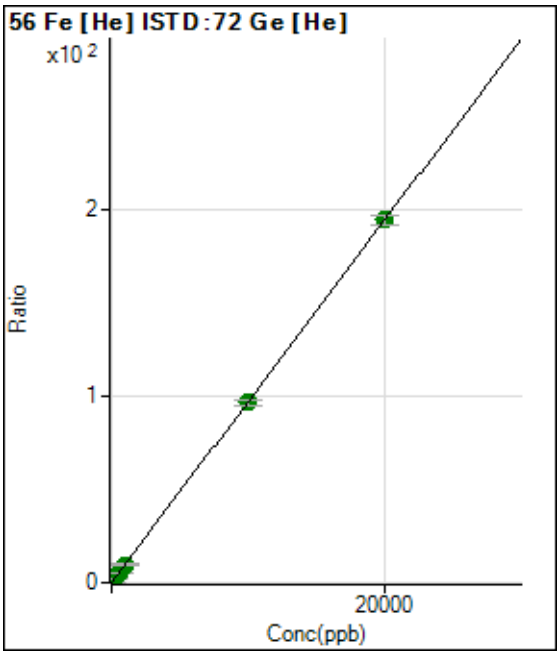
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2296.90	0.0021	P	2.5
2	☐	2.000	2.070	21977.99	0.0205	P	2.0
3	☐	5.000	4.979	49861.14	0.0464	P	2.1
4	☐	10.000	9.953	96103.78	0.0907	P	3.5
5	☐	100.000	99.788	918849.31	0.8904	A	2.5
6	☐	200.000	200.108	1779770.81	1.7835	A	3.8

y = 0.0089 * x + 0.0021
R = 1.0000
DL = 0.01805
BEC = 0.2364

Weight: <None>
Min Conc: <None>

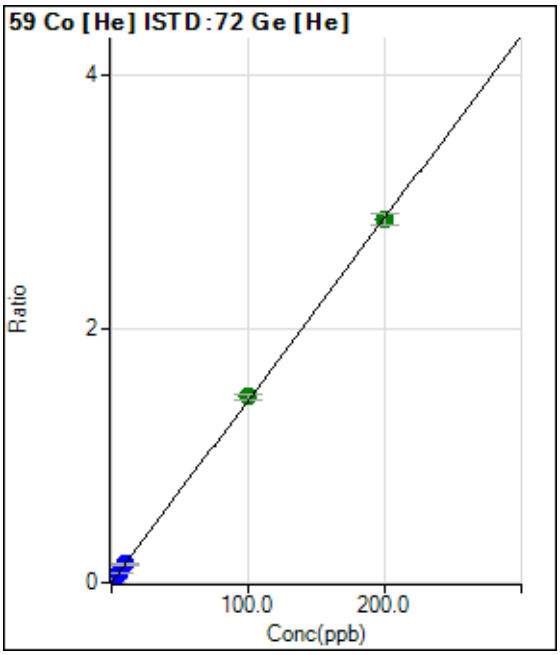


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	55607.21	0.0509	P	5.8
2	☐	200.000	206.215	2193446.32	2.0491	A	1.8
3	☐	500.000	498.370	5241489.09	4.8801	A	0.8
4	☐	1000.000	982.128	10136641.51	9.5676	A	4.4
5	☐	10000.00	9951.052	99537895.18	96.4751	A	3.4
6	☐	20000.00	20025.34	193725377.1	194.093	A	2.6

y = 0.0097 * x + 0.0509
R = 1.0000
DL = 0.9136
BEC = 5.257

Weight: <None>
Min Conc: <None>

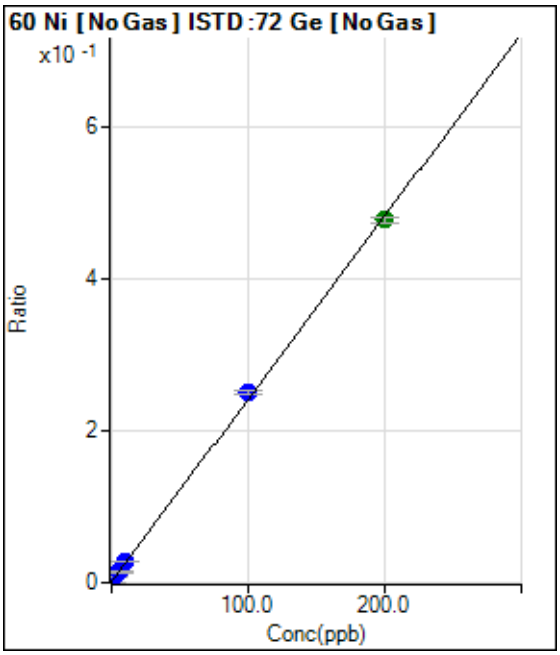
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	420.02	0.0004	P	35.6
2	☐	2.000	1.990	30992.25	0.0290	P	2.6
3	☐	5.000	4.927	76393.93	0.0711	P	1.3
4	☐	10.000	10.062	153487.78	0.1449	P	3.3
5	☐	100.000	101.993	1511340.60	1.4647	A	3.0
6	☐	200.000	199.002	2851917.56	2.8575	A	3.2

y = 0.0144 * x + 3.8398E-004
R = 0.9999
DL = 0.02858
BEC = 0.02674

Weight: <None>
Min Conc: <None>

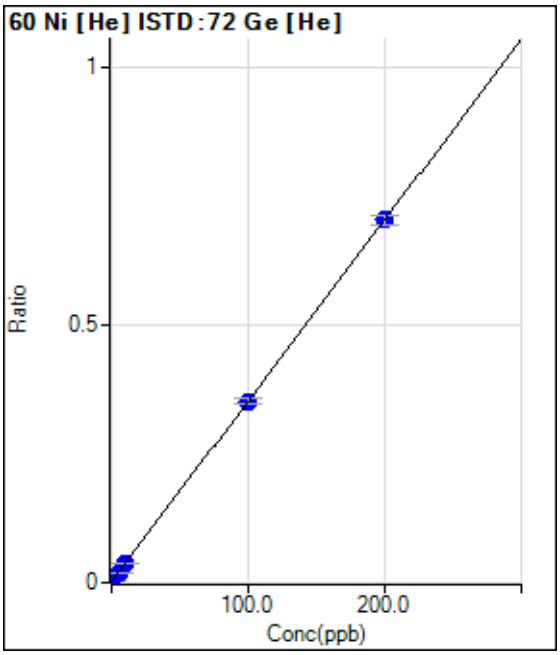


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3453.85	0.0011	P	20.4
2	☐	2.000	2.308	20856.26	0.0066	P	4.6
3	☐	5.000	5.397	43235.76	0.0141	P	3.7
4	☐	10.000	10.726	83096.14	0.0269	P	2.3
5	☐	100.000	103.742	762588.87	0.2508	P	1.3
6	☐	200.000	198.080	1432996.85	0.4780	A	1.4

y = 0.0024 * x + 0.0011
R = 0.9998
DL = 0.2773
BEC = 0.4533

Weight: <None>
Min Conc: <None>

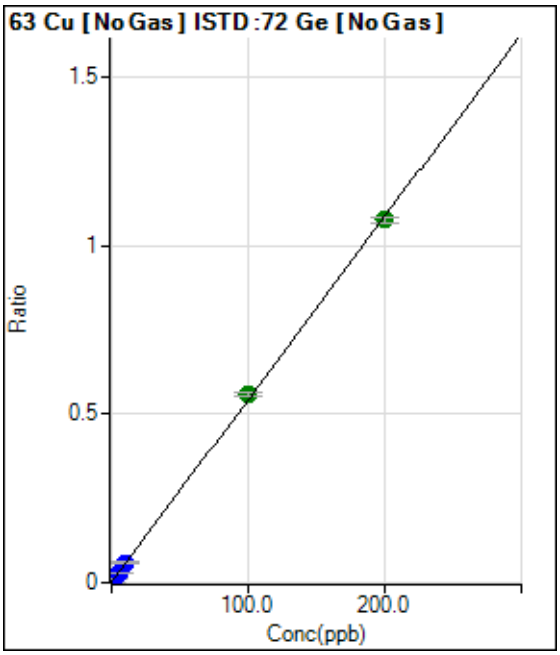
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2323.57	0.0021	P	7.8
2	☐	2.000	2.184	10490.92	0.0098	P	0.8
3	☐	5.000	5.128	21627.41	0.0201	P	1.3
4	☐	10.000	10.115	39905.42	0.0377	P	2.2
5	☐	100.000	99.817	363877.14	0.3527	P	3.4
6	☐	200.000	200.081	703491.97	0.7048	P	2.5

y = 0.0035 * x + 0.0021
R = 1.0000
DL = 0.1414
BEC = 0.606

Weight: <None>
Min Conc: <None>

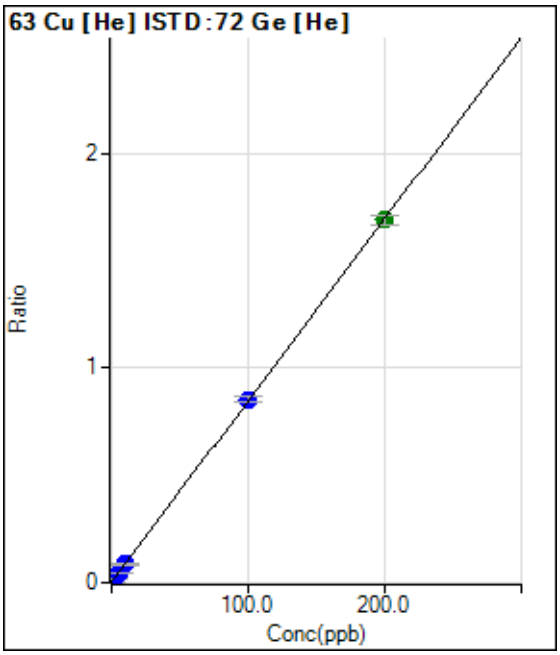


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3530.51	0.0011	P	8.6
2	☐	2.000	2.319	42971.50	0.0137	P	1.4
3	☐	5.000	5.457	94249.44	0.0307	P	4.2
4	☐	10.000	10.812	184468.53	0.0598	P	3.0
5	☐	100.000	103.211	1705248.15	0.5609	A	2.1
6	☐	200.000	198.339	3227886.72	1.0769	A	1.6

y = 0.0054 * x + 0.0011
R = 0.9998
DL = 0.05303
BEC = 0.206

Weight: <None>
Min Conc: <None>

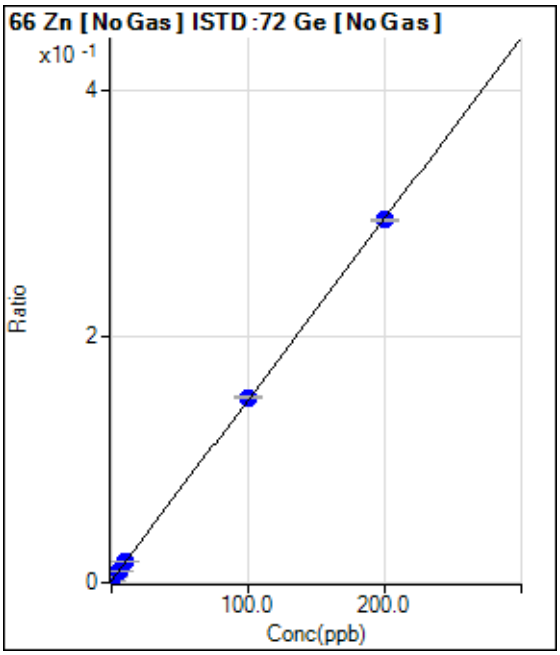
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1656.80	0.0015	P	8.6
2	☐	2.000	2.185	21417.14	0.0200	P	5.0
3	☐	5.000	5.062	47650.45	0.0444	P	1.5
4	☐	10.000	10.125	92369.88	0.0872	P	6.5
5	☐	100.000	100.815	881982.18	0.8549	P	3.5
6	☐	200.000	199.583	1687688.46	1.6909	A	2.5

y = 0.0085 * x + 0.0015
R = 1.0000
DL = 0.04621
BEC = 0.1794

Weight: <None>
Min Conc: <None>

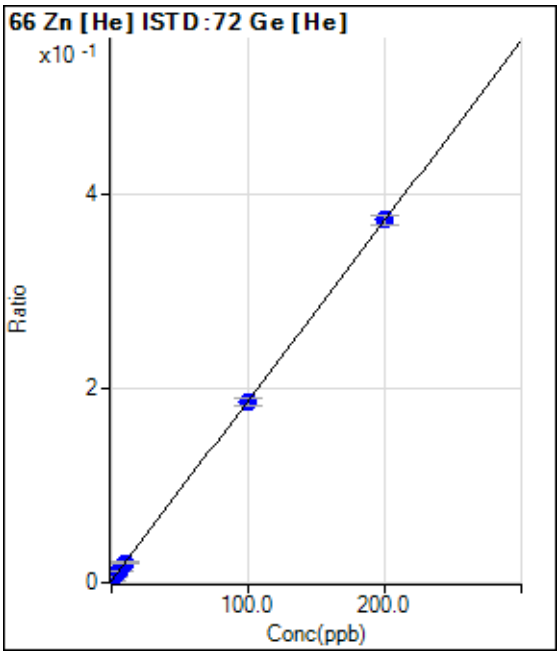


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5301.13	0.0017	P	4.4
2	☐	2.000	2.692	17661.79	0.0056	P	7.1
3	☐	5.000	5.360	29291.95	0.0095	P	4.5
4	☐	10.000	10.491	52739.41	0.0171	P	1.6
5	☐	100.000	101.193	456599.20	0.1502	P	1.1
6	☐	200.000	199.363	882196.26	0.2943	P	0.3

y = 0.0015 * x + 0.0017
R = 1.0000
DL = 0.1496
BEC = 1.143

Weight: <None>
Min Conc: <None>

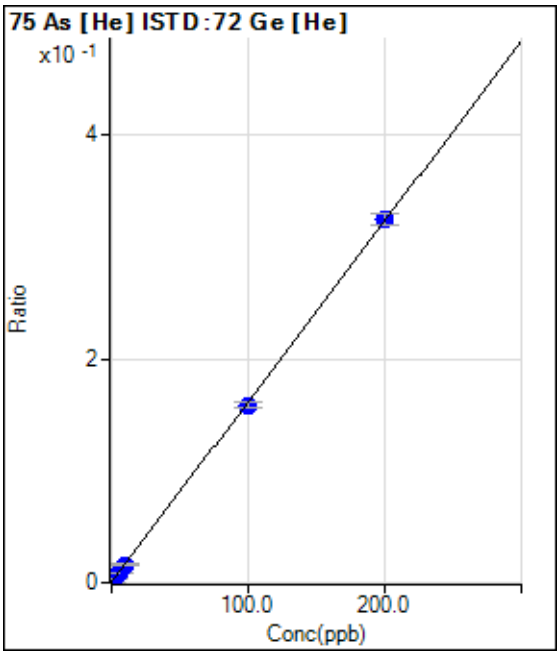
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2270.23	0.0021	P	5.6
2	☐	2.000	2.553	7288.77	0.0068	P	7.0
3	☐	5.000	4.916	12018.83	0.0112	P	2.4
4	☐	10.000	10.021	21877.93	0.0206	P	3.7
5	☐	100.000	99.183	191758.58	0.1859	P	3.6
6	☐	200.000	200.404	372724.42	0.3734	P	2.6

y = 0.0019 * x + 0.0021
R = 1.0000
DL = 0.1872
BEC = 1.123

Weight: <None>
Min Conc: <None>

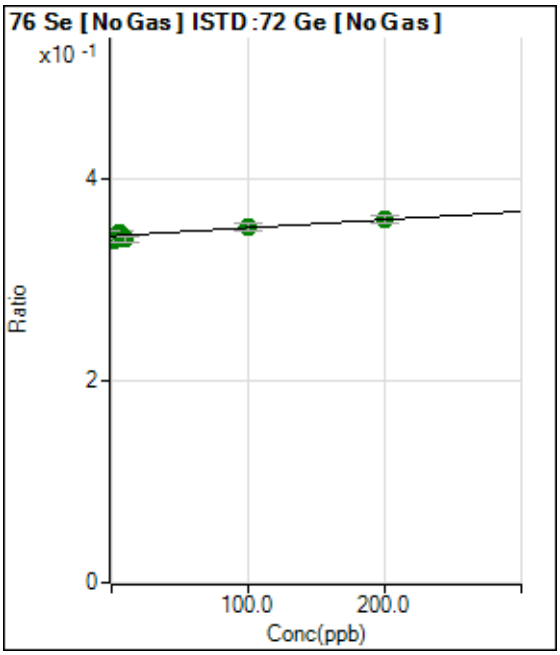


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	450.01	0.0004	P	5.0
2	☐	2.000	1.944	3797.22	0.0035	P	2.4
3	☐	5.000	4.732	8636.14	0.0080	P	1.8
4	☐	10.000	9.798	17175.38	0.0162	P	3.4
5	☐	100.000	98.252	163882.27	0.1588	P	2.6
6	☐	200.000	200.891	323647.10	0.3243	P	3.2

y = 0.0016 * x + 4.1247E-004
R = 0.9999
DL = 0.03872
BEC = 0.2558

Weight: <None>
Min Conc: <None>

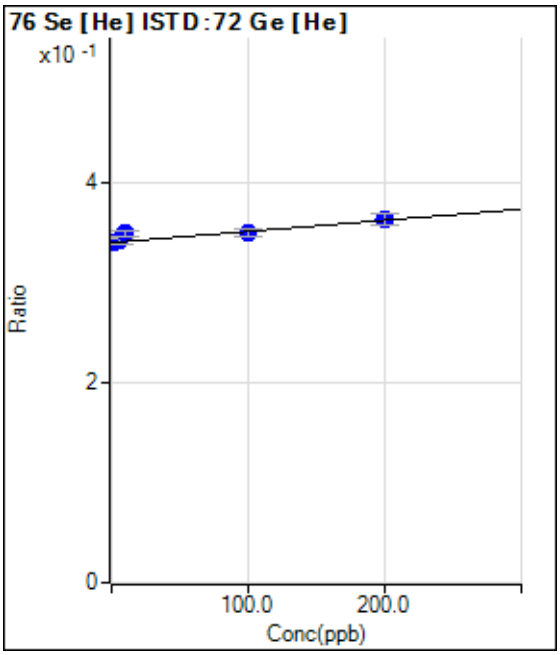
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1085434.88	0.3436	A	1.7
2	☐	2.000	-58.535	1063464.49	0.3389	A	1.0
3	☐	5.000	29.988	1062091.13	0.3460	A	1.8
4	☐	10.000	-34.256	1052358.11	0.3408	A	1.6
5	☐	100.000	111.688	1071891.28	0.3526	A	1.7
6	☐	200.000	196.349	1077646.00	0.3594	A	2.2

y = 8.0697E-005 * x + 0.3436
R = 0.9435
DL = 220.3
BEC = 4258

Weight: <None>
Min Conc: <None>

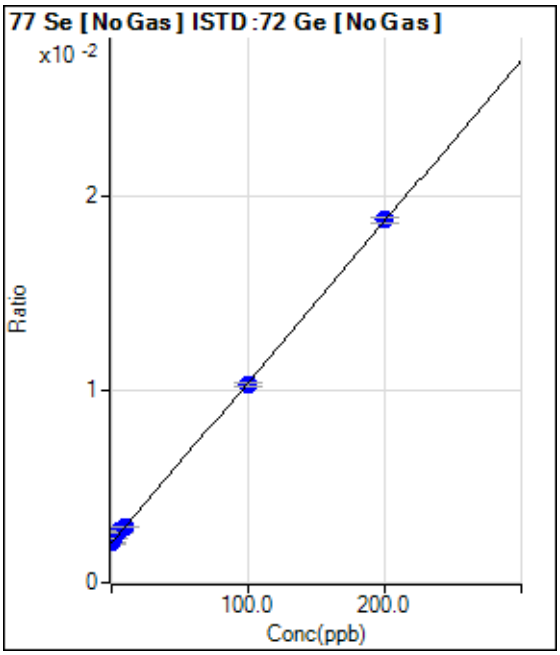


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	371922.21	0.3408	P	1.4
2	☐	2.000	3.343	365266.65	0.3412	P	0.4
3	☐	5.000	13.587	367664.41	0.3423	P	1.5
4	☐	10.000	79.643	370621.19	0.3497	P	1.7
5	☐	100.000	87.018	361745.51	0.3505	P	2.1
6	☐	200.000	202.781	362732.70	0.3635	P	3.1

y = 1.1163E-004 * x + 0.3408
R = 0.9336
DL = 131.5
BEC = 3053

Weight: <None>
Min Conc: <None>

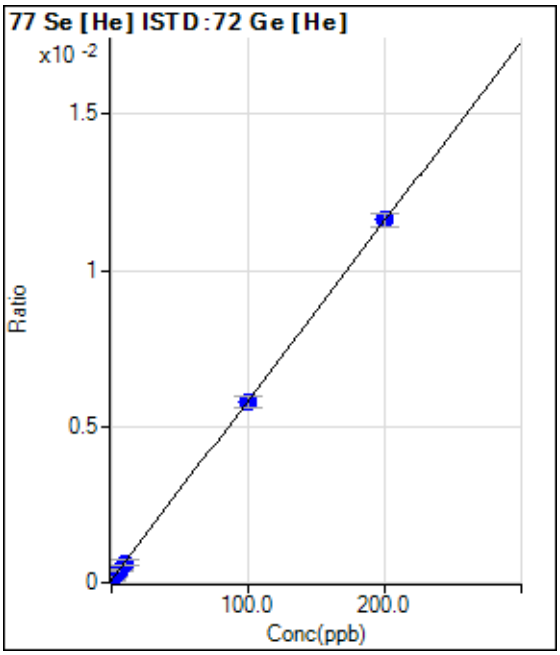
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6478.32	0.0020	P	6.2
2	☐	2.000	2.827	7172.07	0.0023	P	3.1
3	☐	5.000	7.101	8105.93	0.0026	P	5.0
4	☐	10.000	10.177	8949.80	0.0029	P	2.8
5	☐	100.000	98.170	31123.06	0.0102	P	2.0
6	☐	200.000	200.845	56368.14	0.0188	P	1.3

y = 8.3411E-005 * x + 0.0020
R = 0.9999
DL = 4.538
BEC = 24.58

Weight: <None>
Min Conc: <None>

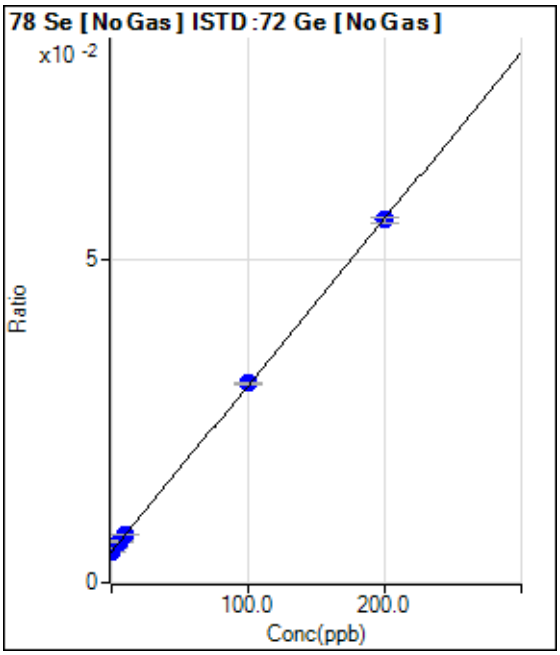


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	100.00	0.0001	P	16.3
2	☐	2.000	2.153	230.01	0.0002	P	18.5
3	☐	5.000	5.327	426.69	0.0004	P	5.6
4	☐	10.000	9.244	656.69	0.0006	P	30.6
5	☐	100.000	98.790	5948.11	0.0058	P	6.7
6	☐	200.000	200.633	11588.49	0.0116	P	3.4

y = 5.7417E-005 * x + 9.1529E-005
R = 1.0000
DL = 0.7772
BEC = 1.594

Weight: <None>
Min Conc: <None>

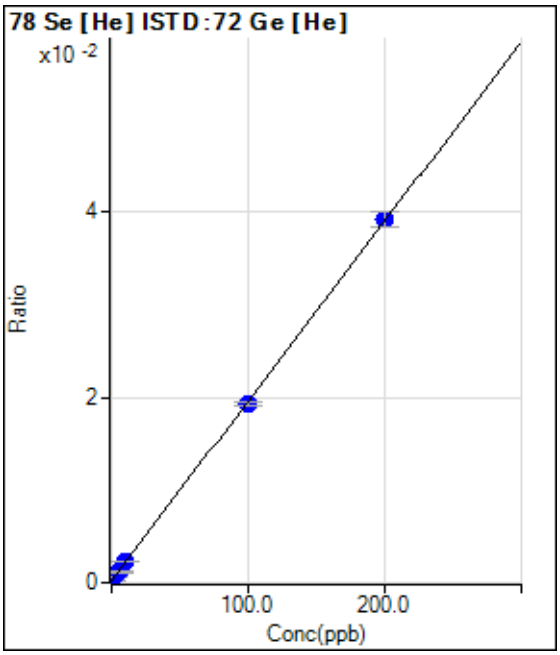
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	15065.35	0.0048	P	1.7
2	☐	2.000	2.875	17284.70	0.0055	P	2.0
3	☐	5.000	5.972	19340.84	0.0063	P	4.6
4	☐	10.000	10.691	23216.95	0.0075	P	0.5
5	☐	100.000	101.049	93436.73	0.0307	P	0.6
6	☐	200.000	199.408	167881.24	0.0560	P	1.8

y = 2.5698E-004 * x + 0.0048
R = 1.0000
DL = 0.9331
BEC = 18.56

Weight: <None>
Min Conc: <None>

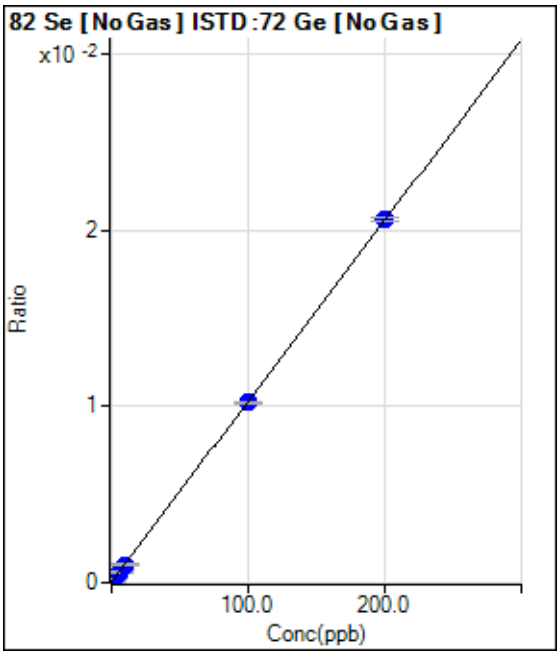


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	265.33	0.0002	P	3.4
2	☐	2.000	1.982	671.35	0.0006	P	6.8
3	☐	5.000	4.749	1249.39	0.0012	P	8.5
4	☐	10.000	10.301	2372.22	0.0022	P	2.3
5	☐	100.000	98.255	19888.68	0.0193	P	2.7
6	☐	200.000	200.864	39065.12	0.0391	P	4.1

y = 1.9369E-004 * x + 2.4308E-004
R = 0.9999
DL = 0.1261
BEC = 1.255

Weight: <None>
Min Conc: <None>

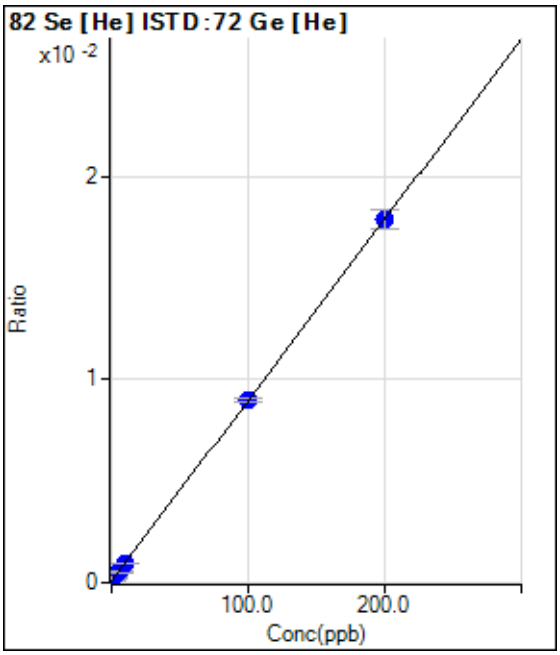
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	134.93	0.0000	P	61.1
2	☐	2.000	1.670	671.09	0.0002	P	5.3
3	☐	5.000	5.264	1784.43	0.0006	P	13.3
4	☐	10.000	9.623	3181.28	0.0010	P	5.2
5	☐	100.000	99.219	31071.79	0.0102	P	1.0
6	☐	200.000	200.406	61751.28	0.0206	P	1.2

y = 1.0259E-004 * x + 4.2505E-005
R = 1.0000
DL = 0.7595
BEC = 0.4143

Weight: <None>
Min Conc: <None>

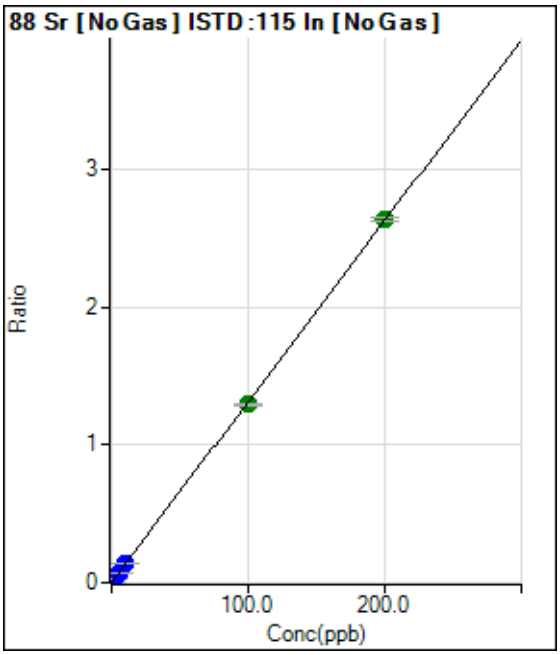


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	103.33	0.0001	P	36.5
2	☐	2.000	1.740	266.68	0.0002	P	11.7
3	☐	5.000	4.908	570.02	0.0005	P	4.1
4	☐	10.000	9.627	1006.72	0.0009	P	0.8
5	☐	100.000	100.390	9300.02	0.0090	P	2.4
6	☐	200.000	199.828	17808.74	0.0178	P	5.4

y = 8.8829E-005 * x + 9.4604E-005
R = 1.0000
DL = 1.165
BEC = 1.065

Weight: <None>
Min Conc: <None>

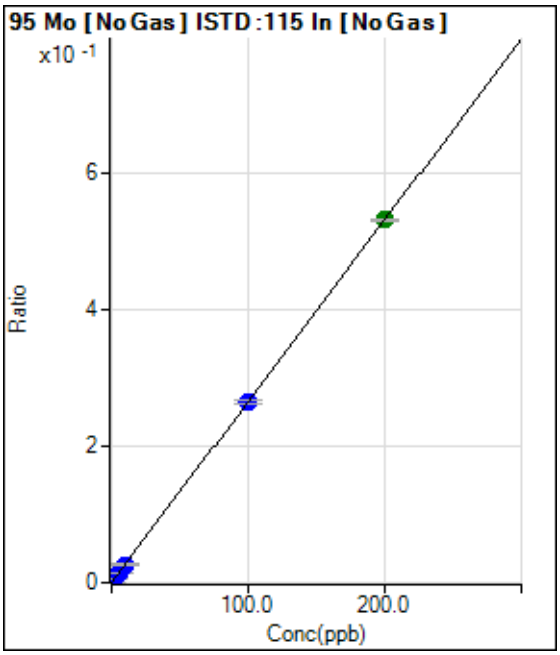
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4784.28	0.0014	P	3.8
2	☐	2.000	2.056	93874.67	0.0284	P	1.3
3	☐	5.000	5.046	224100.86	0.0677	P	0.2
4	☐	10.000	10.177	444900.20	0.1352	P	1.5
5	☐	100.000	98.726	4149279.94	1.2988	A	1.0
6	☐	200.000	200.627	8227120.71	2.6380	A	1.1

y = 0.0131 * x + 0.0014
R = 1.0000
DL = 0.0124
BEC = 0.1076

Weight: <None>
Min Conc: <None>

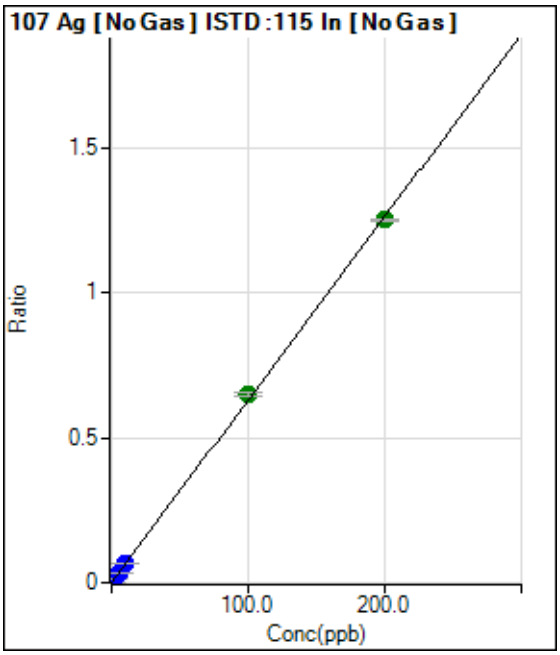


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	853.38	0.0003	P	8.2
2	☐	2.000	1.963	18045.87	0.0055	P	5.4
3	☐	5.000	4.800	43006.52	0.0130	P	3.1
4	☐	10.000	9.936	87674.61	0.0266	P	2.5
5	☐	100.000	99.643	846271.00	0.2649	P	1.3
6	☐	200.000	200.187	1658983.36	0.5319	A	0.6

y = 0.0027 * x + 2.5220E-004
R = 1.0000
DL = 0.02347
BEC = 0.09496

Weight: <None>
Min Conc: <None>

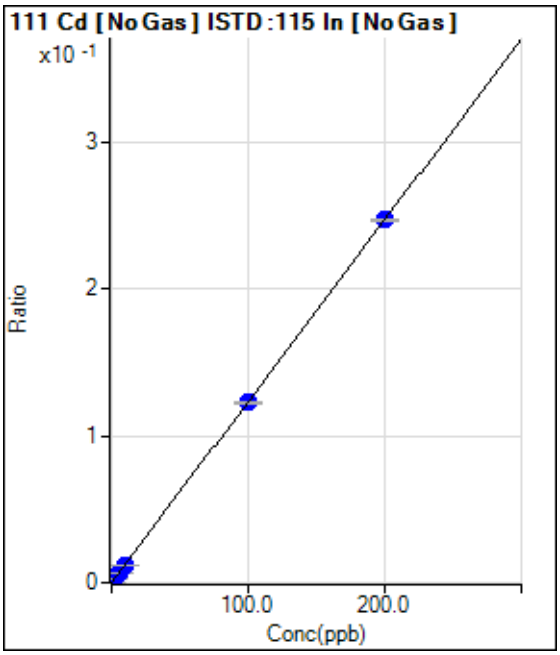
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	416.68	0.0001	P	13.1
2	☐	2.000	2.098	44153.81	0.0134	P	0.7
3	☐	5.000	5.162	108257.89	0.0327	P	2.3
4	☐	10.000	10.329	215165.60	0.0654	P	0.6
5	☐	100.000	103.027	2079068.62	0.6507	A	2.5
6	☐	200.000	198.465	3909392.44	1.2534	A	0.2

y = 0.0063 * x + 1.2304E-004
R = 0.9998
DL = 0.007659
BEC = 0.01948

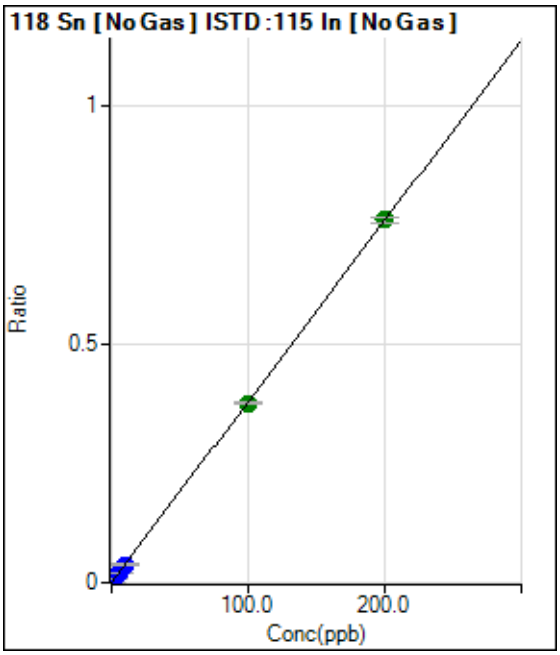
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	-16.98	0.0000	P	-60.9
2	☐	2.000	1.975	8015.33	0.0024	P	4.2
3	☐	5.000	4.889	19907.31	0.0060	P	4.0
4	☐	10.000	9.976	40442.65	0.0123	P	1.0
5	☐	100.000	99.551	391799.35	0.1226	P	1.1
6	☐	200.000	200.229	769342.86	0.2467	P	0.4

y = 0.0012 * x - 5.0398E-006
R = 1.0000
DL = 0.007476
BEC = -0.004091

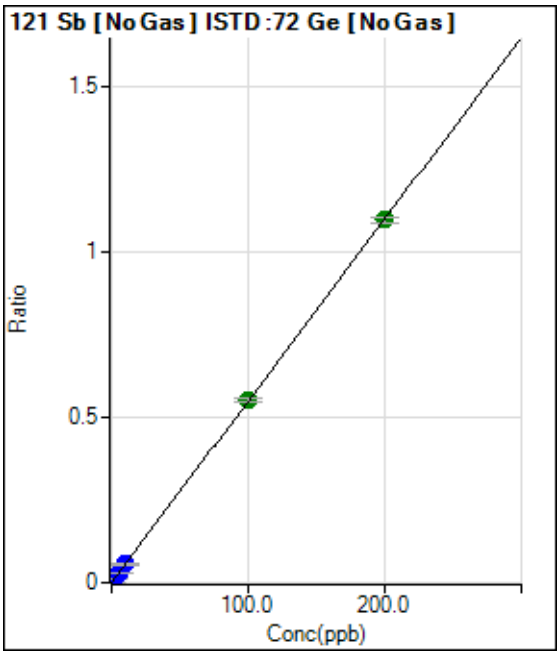
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1703.48	0.0005	P	2.9
2	☐	2.000	1.986	26533.77	0.0080	P	0.7
3	☐	5.000	4.803	61922.62	0.0187	P	2.7
4	☐	10.000	9.939	125714.77	0.0382	P	1.2
5	☐	100.000	98.886	1199558.66	0.3755	A	0.9
6	☐	200.000	200.565	2373637.78	0.7610	A	1.9

y = 0.0038 * x + 5.0366E-004
R = 1.0000
DL = 0.01167
BEC = 0.1328

Weight: <None>
Min Conc: <None>

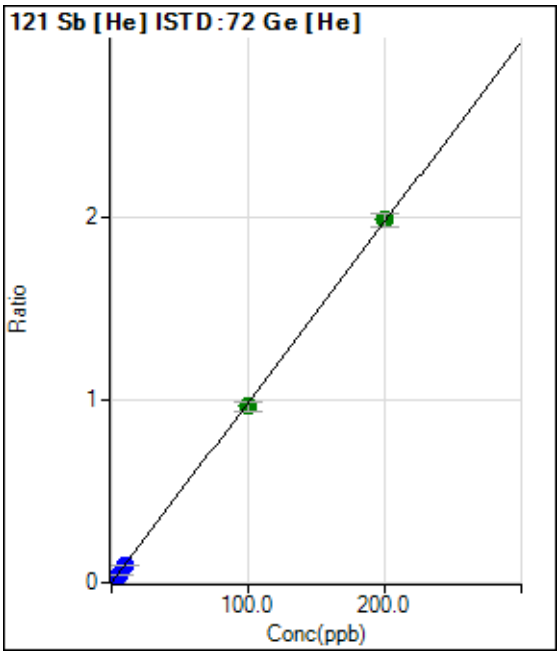


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	333.34	0.0001	P	26.1
2	☐	2.000	2.013	34997.11	0.0112	P	2.5
3	☐	5.000	5.081	85897.22	0.0280	P	2.8
4	☐	10.000	10.153	172305.55	0.0558	P	3.6
5	☐	100.000	100.556	1677975.34	0.5519	A	1.5
6	☐	200.000	199.712	3285577.03	1.0961	A	1.3

y = 0.0055 * x + 1.0561E-004
R = 1.0000
DL = 0.01508
BEC = 0.01925

Weight: <None>
Min Conc: <None>

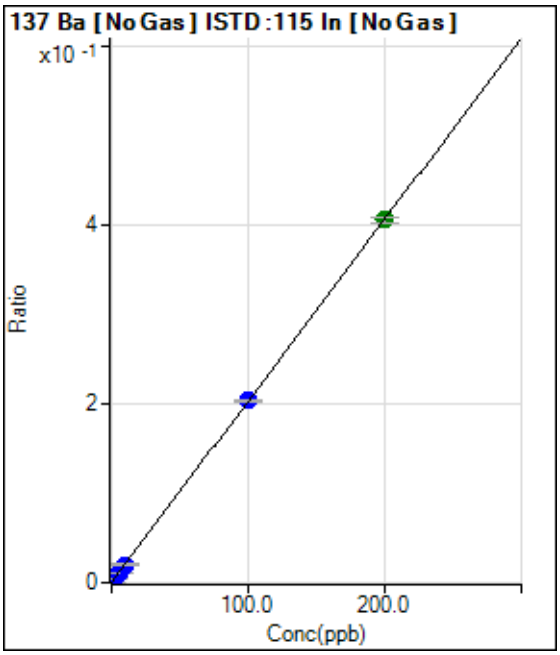
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	183.34	0.0002	P	21.5
2	☐	2.000	1.891	20172.40	0.0188	P	3.1
3	☐	5.000	4.622	49192.30	0.0458	P	0.8
4	☐	10.000	9.372	98222.92	0.0927	P	2.1
5	☐	100.000	97.790	995857.59	0.9656	A	5.2
6	☐	200.000	201.147	1981769.29	1.9859	A	3.8

y = 0.0099 * x + 1.6823E-004
R = 0.9999
DL = 0.01099
BEC = 0.01704

Weight: <None>
Min Conc: <None>

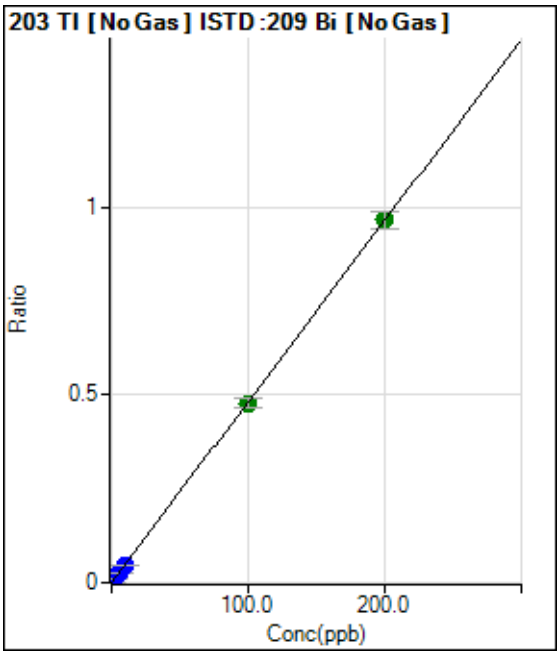


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	986.72	0.0003	P	10.3
2	☐	2.000	2.036	14581.71	0.0044	P	2.1
3	☐	5.000	4.909	33857.98	0.0102	P	2.4
4	☐	10.000	9.925	67133.51	0.0204	P	0.4
5	☐	100.000	100.295	649933.77	0.2034	P	1.2
6	☐	200.000	199.858	1263542.72	0.4051	A	1.6

y = 0.0020 * x + 2.9200E-004
R = 1.0000
DL = 0.04438
BEC = 0.1442

Weight: <None>
Min Conc: <None>

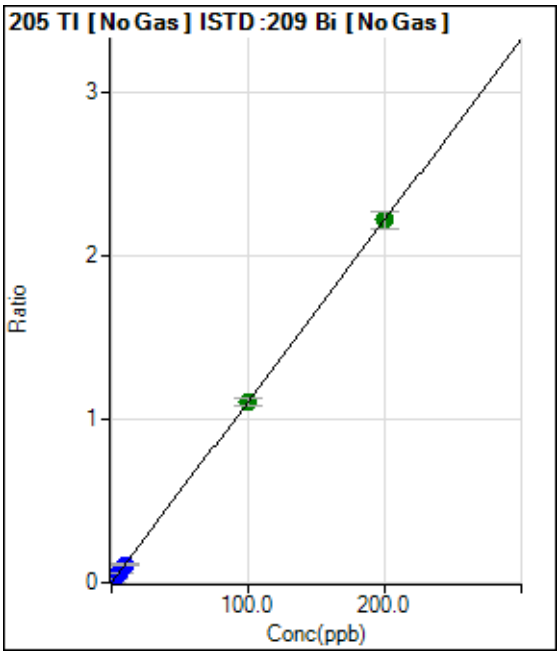
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	193.34	0.0001	P	38.1
2	☐	2.000	2.026	27273.45	0.0098	P	5.5
3	☐	5.000	4.938	65012.77	0.0239	P	4.3
4	☐	10.000	9.648	127921.53	0.0466	P	4.0
5	☐	100.000	99.053	1282854.36	0.4773	A	5.1
6	☐	200.000	200.492	2477831.06	0.9660	A	4.5

y = 0.0048 * x + 7.0227E-005
R = 1.0000
DL = 0.01666
BEC = 0.01458

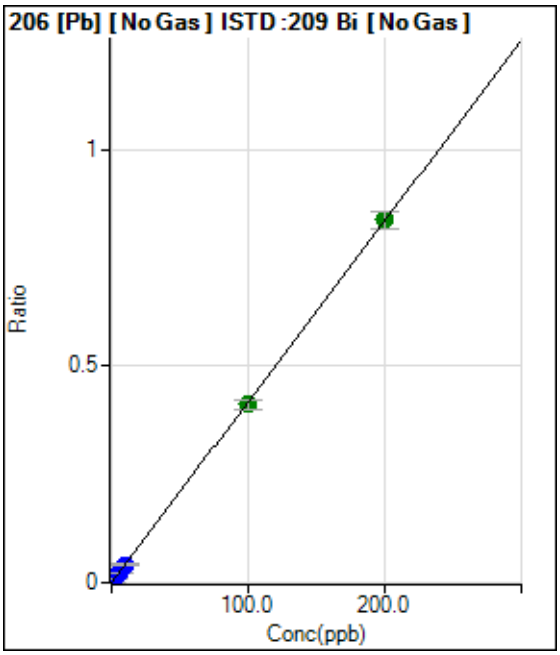
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	570.02	0.0002	P	8.0
2	☐	2.000	2.024	62878.65	0.0227	P	5.1
3	☐	5.000	5.102	154752.88	0.0568	P	5.5
4	☐	10.000	9.897	302276.74	0.1100	P	4.4
5	☐	100.000	99.709	2973913.91	1.1065	A	5.3
6	☐	200.000	200.148	5696517.83	2.2209	A	4.7

y = 0.0111 * x + 2.0459E-004
R = 1.0000
DL = 0.004409
BEC = 0.01844

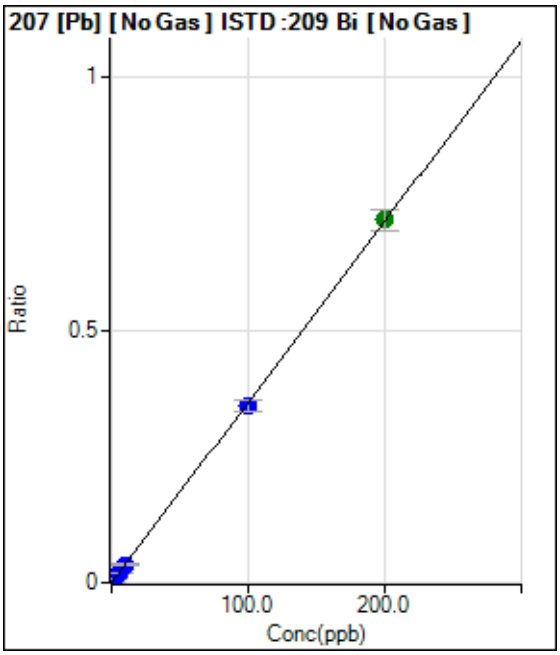
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	443.35	0.0002	P	12.5
2	☐	2.000	2.018	23819.89	0.0086	P	3.9
3	☐	5.000	4.997	57258.58	0.0210	P	5.3
4	☐	10.000	9.889	113883.46	0.0414	P	4.4
5	☐	100.000	98.605	1107011.88	0.4118	A	4.9
6	☐	200.000	200.703	2149694.55	0.8381	A	4.7

y = 0.0042 * x + 1.5902E-004
R = 1.0000
DL = 0.01434
BEC = 0.03809

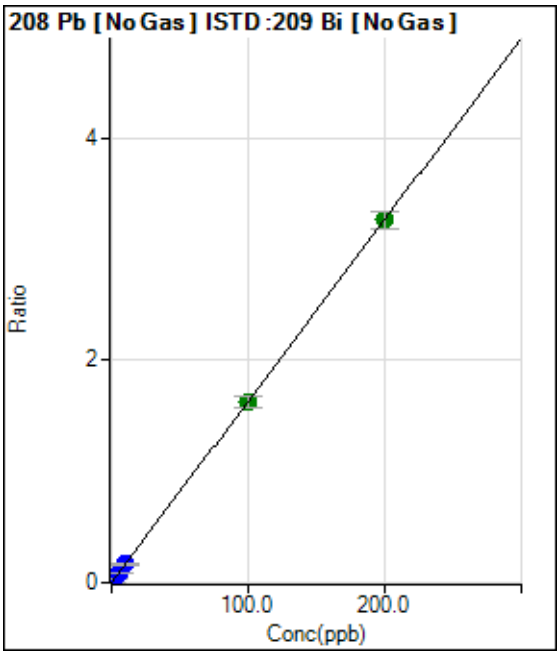
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	580.34	0.0002	P	64.4
2	☐	2.000	2.017	20553.96	0.0074	P	6.4
3	☐	5.000	4.965	48903.13	0.0179	P	3.9
4	☐	10.000	9.942	98169.22	0.0357	P	4.1
5	☐	100.000	97.987	941173.79	0.3503	P	6.8
6	☐	200.000	201.010	1842257.01	0.7184	A	6.0

y = 0.0036 * x + 2.0315E-004
R = 0.9999
DL = 0.1098
BEC = 0.05685

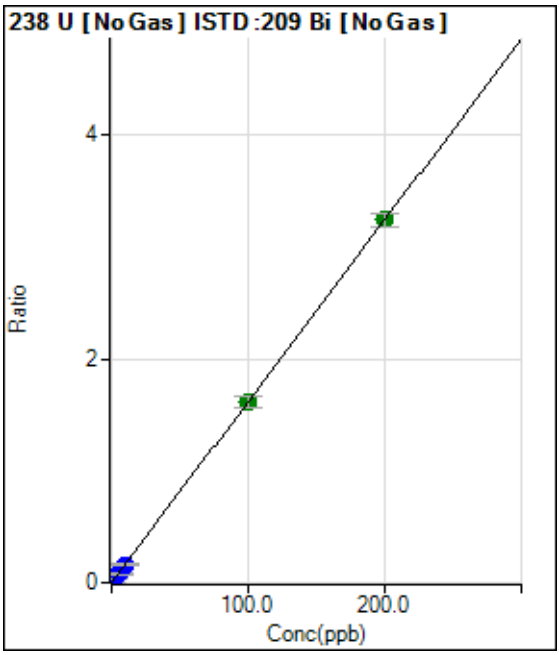
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1993.76	0.0007	P	12.2
2	☐	2.000	2.038	94103.59	0.0339	P	6.6
3	☐	5.000	5.067	226981.19	0.0833	P	5.3
4	☐	10.000	10.039	451673.11	0.1644	P	4.5
5	☐	100.000	100.013	4383010.12	1.6313	A	6.3
6	☐	200.000	199.990	8364832.64	3.2612	A	4.7

y = 0.0163 * x + 7.1485E-004
R = 1.0000
DL = 0.01598
BEC = 0.04385

Weight: <None>
Min Conc: <None>

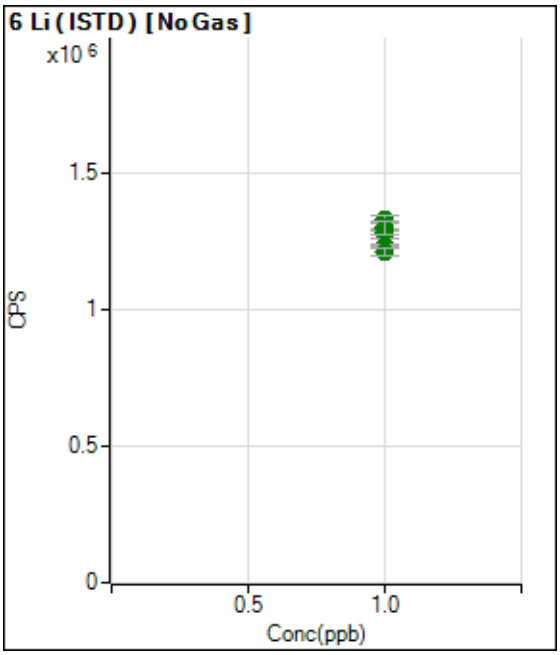


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	380.01	0.0001	P	10.4
2	☐	2.000	1.970	88801.36	0.0320	P	4.9
3	☐	5.000	4.902	216363.98	0.0794	P	5.8
4	☐	10.000	9.923	441443.42	0.1607	P	4.7
5	☐	100.000	99.581	4328848.37	1.6111	A	6.4
6	☐	200.000	200.216	8309604.46	3.2392	A	4.1

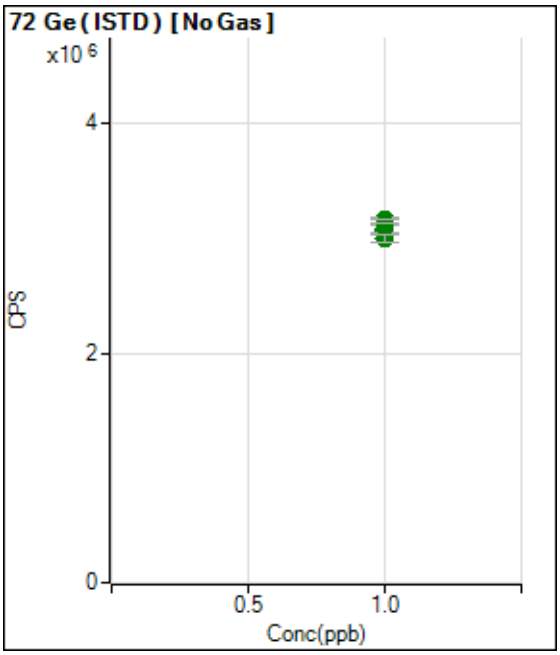
y = 0.0162 * x + 1.3731E-004
R = 1.0000
DL = 0.002639
BEC = 0.008487

Weight: <None>
Min Conc: <None>

Calibration for 026_ICV.d

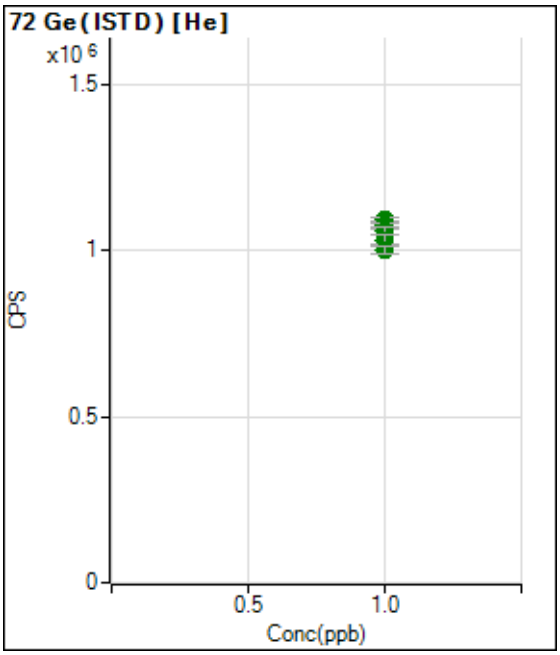


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1326043.40		A	2.3
2	☐	1.000		1298414.14		A	2.1
3	☐	1.000		1277173.79		A	2.5
4	☐	1.000		1296246.48		A	4.2
5	☐	1.000		1233472.13		A	1.0
6	☐	1.000		1210916.93		A	2.2

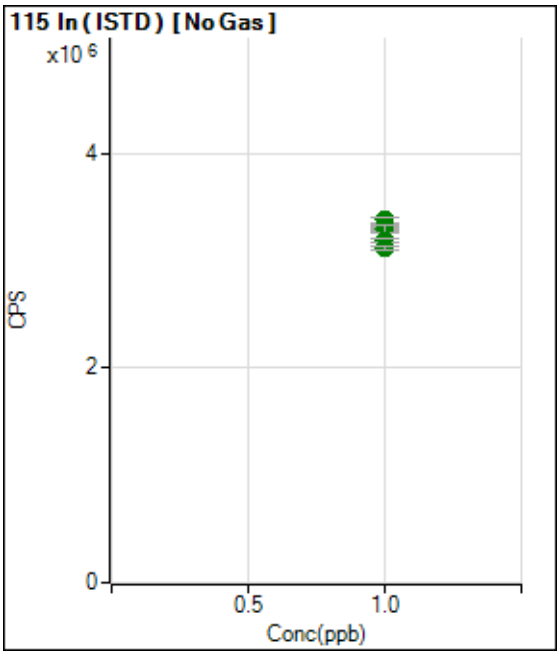


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3159632.76		A	1.9
2	☐	1.000		3138295.58		A	1.2
3	☐	1.000		3070711.31		A	2.9
4	☐	1.000		3088719.43		A	2.9
5	☐	1.000		3039910.06		A	1.0
6	☐	1.000		2998020.68		A	2.3

Calibration for 026_ICV.d

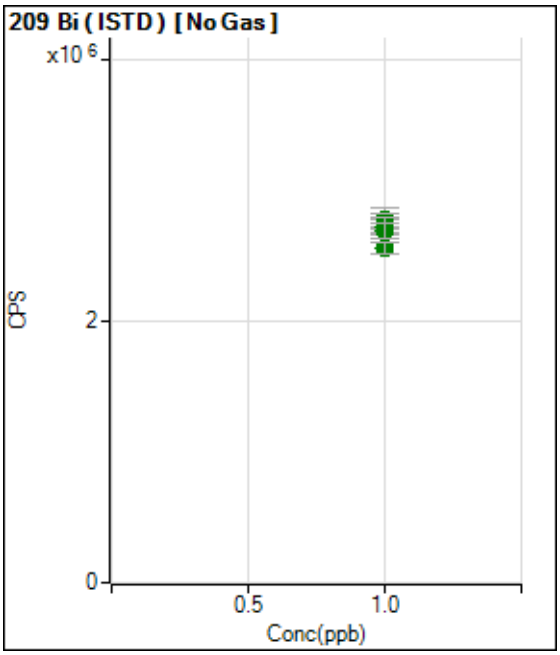


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1091369.41		A	1.0
2	☐	1.000		1070595.66		A	1.6
3	☐	1.000		1074135.01		A	1.4
4	☐	1.000		1060077.30		A	2.2
5	☐	1.000		1032412.51		A	2.9
6	☐	1.000		998523.42		A	2.4



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3381547.15		A	1.8
2	☐	1.000		3302336.92		A	1.1
3	☐	1.000		3308620.95		A	0.6
4	☐	1.000		3292154.85		A	2.1
5	☐	1.000		3194714.78		A	0.9
6	☐	1.000		3118988.61		A	1.3

Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2779550.53		A	6.7
2	☐	1.000		2777906.10		A	4.1
3	☐	1.000		2728279.91		A	4.5
4	☐	1.000		2750122.56		A	3.1
5	☐	1.000		2691827.83		A	4.4
6	☐	1.000		2567643.56		A	3.3

Calibration Blank Report

Sample Table

Sample Name	CAL BLK
Data File Name	019CALB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T10:07:53-05:00
Sample Type	CalBlk
Level	1
Dilution	1
Comment	

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Li	7	1	No Gas	85197	0.00
Be	9	1	No Gas	60	27.78
V	51	2	He	5587	0.06
Cr	52	2	He	39527	0.01
Fe	56	2	He	55607	0.01
Se	78	2	He	265	1.56
As	75	2	He	450	0.92
Ca	44	2	He	4791	0.16
Na	23	2	He	110343	0.00
Mg	24	2	He	1663	0.74
K	39	2	He	213297	0.00
Mn	55	2	He	2297	0.15
Co	59	2	He	420	8.73
Ni	60	2	He	2324	0.37
Cu	63	2	He	1657	0.51
Zn	66	2	He	2270	0.20
Al	27	2	He	4444	0.06
B	11	1	No Gas	19831	0.01
Al	27	1	No Gas	128728	0.00
Si	28	1	No Gas	853658	0.00
Ag	107	1	No Gas	417	3.52
Sr	88	1	No Gas	4784	0.10
Mo	95	1	No Gas	853	1.11
Sn	118	1	No Gas	1703	0.24
Sb	121	1	No Gas	333	7.76
Ba	137	1	No Gas	987	0.95
Tl	205	1	No Gas	570	2.40
Tl	203	1	No Gas	193	17.41
Pb	208	1	No Gas	1994	0.88
U	238	1	No Gas	380	1.39
Ca	43	2	He	133	14.16
Sb	121	2	He	183	11.26
Ti	47	2	He	10	1000.00
Cu	63	1	No Gas	3531	0.26

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Li	6	1	No Gas	1326043	2.29

Calibration Blank Report

Ge	72	2	He	1091369	1.00
Ge	72	1	No Gas	3159633	1.88
In	115	1	No Gas	3381547	1.76
Bi	209	1	No Gas	2779551	6.69

Calibration Standard Report

Sample Table

Sample Name	2/10/200
Data File Name	020CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T10:09:49-05:00
Sample Type	CalStd
Level	2
Dilution	1
Comment	
ISTD Ref File Name	019CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	No Gas	11782	0.01
V	51	2	He	26492	0.01
Cr	52	2	He	64659	0.00
Fe	56	2	He	2193446	0.00
Se	78	2	He	671	1.11
As	75	2	He	3797	0.08
Ca	44	2	He	21664	0.01
Na	23	2	He	506931	0.00
Mg	24	2	He	244782	0.00
K	39	2	He	577395	0.00
Mn	55	2	He	21978	0.01
Co	59	2	He	30992	0.00
Ni	60	2	He	10491	0.02
Cu	63	2	He	21417	0.02
Zn	66	2	He	7289	0.08
Al	27	2	He	5331	0.02
B	11	1	No Gas	51374	0.00
Al	27	1	No Gas	160725	0.00
Si	28	1	No Gas	1010504	0.00
Ag	107	1	No Gas	44154	0.00
Cd	111	1	No Gas	8015	0.05
Sr	88	1	No Gas	93875	0.00
Mo	95	1	No Gas	18046	0.02
Sn	118	1	No Gas	26534	0.01
Sb	121	1	No Gas	34997	0.01
Ba	137	1	No Gas	14582	0.02
Tl	205	1	No Gas	62879	0.00
Tl	203	1	No Gas	27273	0.01
Pb	208	1	No Gas	94104	0.00
U	238	1	No Gas	88801	0.00
Ca	43	2	He	1233	0.27
Sb	121	2	He	20172	0.02
Cu	63	1	No Gas	42972	0.00

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1298414	2.11	1326043	97.92	70	120	
Ge	72	2	He	1070596	1.58	1091369	98.10	70	120	
Ge	72	1	No Gas	3138296	1.21	3159633	99.32	70	120	

Calibration Standard Report

In	115	1	No Gas	3302337	1.15	3381547	97.66	70	120	
Bi	209	1	No Gas	2777906	4.07	2779551	99.94	70	120	

Calibration Standard Report

Sample Table

Sample Name	5/25/500
Data File Name	021CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T10:11:44-05:00
Sample Type	CalStd
Level	3
Dilution	1
Comment	
ISTD Ref File Name	019CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	No Gas	29140	0.01
V	51	2	He	58482	0.00
Cr	52	2	He	98030	0.00
Fe	56	2	He	5241489	0.00
Se	78	2	He	1249	0.71
As	75	2	He	8636	0.01
Ca	44	2	He	47546	0.00
Na	23	2	He	1051893	0.00
Mg	24	2	He	602391	0.00
K	39	2	He	1094095	0.00
Mn	55	2	He	49861	0.00
Co	59	2	He	76394	0.00
Ni	60	2	He	21627	0.00
Cu	63	2	He	47650	0.00
Zn	66	2	He	12019	0.01
Al	27	2	He	9890	0.06
B	11	1	No Gas	100000	0.00
Al	27	1	No Gas	278567	0.00
Si	28	1	No Gas	1206424	0.00
Ag	107	1	No Gas	108258	0.00
Cd	111	1	No Gas	19907	0.02
Sr	88	1	No Gas	224101	0.00
Mo	95	1	No Gas	43007	0.01
Sn	118	1	No Gas	61923	0.00
Sb	121	1	No Gas	85897	0.00
Ba	137	1	No Gas	33858	0.01
Tl	205	1	No Gas	154753	0.00
Tl	203	1	No Gas	65013	0.00
Pb	208	1	No Gas	226981	0.00
U	238	1	No Gas	216364	0.00
Ca	43	2	He	2677	0.22
Sb	121	2	He	49192	0.00
Cu	63	1	No Gas	94249	0.00

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1277174	2.52	1326043	96.31	70	120	
Ge	72	2	He	1074135	1.37	1091369	98.42	70	120	
Ge	72	1	No Gas	3070711	2.95	3159633	97.19	70	120	

Calibration Standard Report

In	115	1	No Gas	3308621	0.60	3381547	97.84	70	120	
Bi	209	1	No Gas	2728280	4.53	2779551	98.16	70	120	

Calibration Standard Report

Sample Table

Sample Name	10/50/100
Data File Name	022CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T10:13:38-05:00
Sample Type	CalStd
Level	4
Dilution	1
Comment	
ISTD Ref File Name	019CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	No Gas	57271	0.00
V	51	2	He	109189	0.00
Cr	52	2	He	159094	0.00
Fe	56	2	He	10136642	0.00
Se	78	2	He	2372	0.08
As	75	2	He	17175	0.01
Ca	44	2	He	89124	0.00
Na	23	2	He	1945980	0.00
Mg	24	2	He	1138734	0.00
K	39	2	He	1944736	0.00
Mn	55	2	He	96104	0.00
Co	59	2	He	153488	0.00
Ni	60	2	He	39905	0.00
Cu	63	2	He	92370	0.00
Zn	66	2	He	21878	0.01
Al	27	2	He	13083	0.04
B	11	1	No Gas	182292	0.00
Al	27	1	No Gas	373437	0.00
Si	28	1	No Gas	1518346	0.00
Ag	107	1	No Gas	215166	0.00
Cd	111	1	No Gas	40443	0.01
Sr	88	1	No Gas	444900	0.00
Mo	95	1	No Gas	87675	0.00
Sn	118	1	No Gas	125715	0.00
Sb	121	1	No Gas	172306	0.00
Ba	137	1	No Gas	67134	0.00
Tl	205	1	No Gas	302277	0.00
Tl	203	1	No Gas	127922	0.00
Pb	208	1	No Gas	451673	0.00
U	238	1	No Gas	441443	0.00
Ca	43	2	He	5488	0.03
Sb	121	2	He	98223	0.00
Cu	63	1	No Gas	184469	0.00

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1296246	4.25	1326043	97.75	70	120	
Ge	72	2	He	1060077	2.23	1091369	97.13	70	120	
Ge	72	1	No Gas	3088719	2.87	3159633	97.76	70	120	

Calibration Standard Report

In	115	1	No Gas	3292155	2.13	3381547	97.36	70	120	
Bi	209	1	No Gas	2750123	3.12	2779551	98.94	70	120	

Calibration Standard Report

Sample Table

Sample Name	100/500/10K
Data File Name	023CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T10:15:32-05:00
Sample Type	CalStd
Level	5
Dilution	1
Comment	
ISTD Ref File Name	019CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	No Gas	565627	0.00
V	51	2	He	1018424	0.00
Cr	52	2	He	1162801	0.00
Fe	56	2	He	99537895	0.00
Se	78	2	He	19889	0.00
As	75	2	He	163882	0.00
Ca	44	2	He	814539	0.00
Na	23	2	He	17705795	0.00
Mg	24	2	He	10819548	0.00
K	39	2	He	16862577	0.00
Mn	55	2	He	918849	0.00
Co	59	2	He	1511341	0.00
Ni	60	2	He	363877	0.00
Cu	63	2	He	881982	0.00
Zn	66	2	He	191759	0.00
Al	27	2	He	88943	0.00
B	11	1	No Gas	1614097	0.00
Al	27	1	No Gas	2508530	0.00
Si	28	1	No Gas	7258744	0.00
Ag	107	1	No Gas	2079069	0.00
Cd	111	1	No Gas	391799	0.00
Sr	88	1	No Gas	4149280	0.00
Mo	95	1	No Gas	846271	0.00
Sn	118	1	No Gas	1199559	0.00
Sb	121	1	No Gas	1677975	0.00
Ba	137	1	No Gas	649934	0.00
Tl	205	1	No Gas	2973914	0.00
Tl	203	1	No Gas	1282854	0.00
Pb	208	1	No Gas	4383010	0.00
U	238	1	No Gas	4328848	0.00
Ca	43	2	He	50175	0.01
Sb	121	2	He	995858	0.00
Cu	63	1	No Gas	1705248	0.00

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1233472	0.98	1326043	93.02	70	120	
Ge	72	2	He	1032413	2.87	1091369	94.60	70	120	
Ge	72	1	No Gas	3039910	1.04	3159633	96.21	70	120	

Calibration Standard Report

In	115	1	No Gas	3194715	0.95	3381547	94.47	70	120	
Bi	209	1	No Gas	2691828	4.39	2779551	96.84	70	120	

Calibration Standard Report

Sample Table

Sample Name	200/1000/20K
Data File Name	024CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T10:17:20-05:00
Sample Type	CalStd
Level	6
Dilution	1
Comment	
ISTD Ref File Name	019CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	No Gas	1086649	0.00
V	51	2	He	2026196	0.00
Cr	52	2	He	2205751	0.00
Fe	56	2	He	193725377	0.00
Se	78	2	He	39065	0.00
As	75	2	He	323647	0.00
Ca	44	2	He	1609256	0.00
Na	23	2	He	34971765	0.00
Mg	24	2	He	21562501	0.00
K	39	2	He	32885249	0.00
Mn	55	2	He	1779771	0.00
Co	59	2	He	2851918	0.00
Ni	60	2	He	703492	0.00
Cu	63	2	He	1687688	0.00
Zn	66	2	He	372724	0.00
Al	27	2	He	169777	0.00
B	11	1	No Gas	3096619	0.00
Al	27	1	No Gas	4689639	0.00
Si	28	1	No Gas	13457272	0.00
Ag	107	1	No Gas	3909392	0.00
Cd	111	1	No Gas	769343	0.00
Sr	88	1	No Gas	8227121	0.00
Mo	95	1	No Gas	1658983	0.00
Sn	118	1	No Gas	2373638	0.00
Sb	121	1	No Gas	3285577	0.00
Ba	137	1	No Gas	1263543	0.00
Tl	205	1	No Gas	5696518	0.00
Tl	203	1	No Gas	2477831	0.00
Pb	208	1	No Gas	8364833	0.00
U	238	1	No Gas	8309604	0.00
Ca	43	2	He	98793	0.00
Sb	121	2	He	1981769	0.00
Cu	63	1	No Gas	3227887	0.00

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1210917	2.24	1326043	91.32	70	120	
Ge	72	2	He	998523	2.41	1091369	91.49	70	120	
Ge	72	1	No Gas	2998021	2.30	3159633	94.89	70	120	

Calibration Standard Report

In	115	1	No Gas	3118989	1.26	3381547	92.24	70	120	
Bi	209	1	No Gas	2567644	3.34	2779551	92.38	70	120	

Initial Calibration Verification (ICV) Report

Sample Table

Sample Name	ICV
Data File Name	026_ICV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T10:23:50-05:00
Sample Type	ICV
Dilution	1
Comment	
ISTD Ref File Name	019CALB.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
Li	7	1	No Gas	103.096	1.613	1866576	1.50	100	103.1	90	110	
Be	9	1	No Gas	101.603	1.980	560946	2.00	100	101.6	90	110	
V	51	2	He	97.814	1.398	1027808	1.13	100	97.8	90	110	
Cr	52	2	He	98.000	1.124	1145005	1.35	100	98.0	90	110	
Fe	56	2	He	9961.633	1.434	100312562	1.46	10000	99.6	90	110	
Se	78	2	He	97.950	1.104	19957	0.68	100	97.9	90	110	
As	75	2	He	101.375	0.810	170192	1.22	100	101.4	90	110	
Ca	44	2	He	9912.187	2.249	828183	2.53	10000	99.1	90	110	
Na	23	2	He	9855.233	0.664	17904168	0.25	10000	98.6	90	110	
Mg	24	2	He	9922.655	1.634	11069442	1.45	10000	99.2	90	110	
K	39	2	He	9965.066	1.136	17105722	0.90	10000	99.7	90	110	
Mn	55	2	He	98.218	2.261	910368	2.56	100	98.2	90	110	
Co	59	2	He	99.409	2.223	1482776	1.98	100	99.4	90	110	
Ni	60	2	He	97.963	1.017	359556	0.78	100	98.0	90	110	
Cu	63	2	He	99.227	0.312	873962	0.40	100	99.2	90	110	
Zn	66	2	He	100.432	1.199	195464	1.56	100	100.4	90	110	
Al	27	2	He	96.632	2.749	87370	2.27	100	96.6	90	110	
B	11	1	No Gas	505.954	2.332	1599561	2.23	500	101.2	90	110	
Al	27	1	No Gas	100.313	1.502	2475972	0.66	100	100.3	90	110	
Si	28	1	No Gas	511.940	2.373	7438937	0.89	500	102.4	90	110	
Ag	107	1	No Gas	102.484	1.305	2017865	1.12	100	102.5	90	110	
Cd	111	1	No Gas	100.066	0.887	384384	2.88	100	100.1	90	110	
Sr	88	1	No Gas	104.163	2.421	4271009	0.62	100	104.2	90	110	
Mo	95	1	No Gas	100.548	1.279	833261	1.12	100	100.5	90	110	
Sn	118	1	No Gas	101.913	2.295	1206430	3.05	100	101.9	90	110	
Sb	121	1	No Gas	102.100	1.975	1714355	2.95	100	102.1	90	110	
Ba	137	1	No Gas	100.790	2.056	637215	0.30	100	100.8	90	110	
Tl	205	1	No Gas	104.309	4.659	3043752	0.52	100	104.3	90	110	
Tl	203	1	No Gas	102.986	3.501	1305382	1.90	100	103.0	90	110	
Pb	208	1	No Gas	99.663	3.656	4275657	0.71	100	99.7	90	110	
U	238	1	No Gas	102.577	5.364	4363199	1.48	100	102.6	90	110	
Ca	43	2	He	9876.002	0.950	50637	0.63	10000	98.8	90	110	
Sb	121	2	He	96.594	0.492	990630	0.65	100	96.6	90	110	
Ti	47	2	He	101.401	1.651	45733	1.24	100	101.4	90	110	
Cu	63	1	No Gas	102.237	0.934	1699645	1.94	100	102.2	90	110	
Se	82	1	No Gas	97.773	2.484	30814	3.34	100	97.8	90	110	

QC ISTD Table

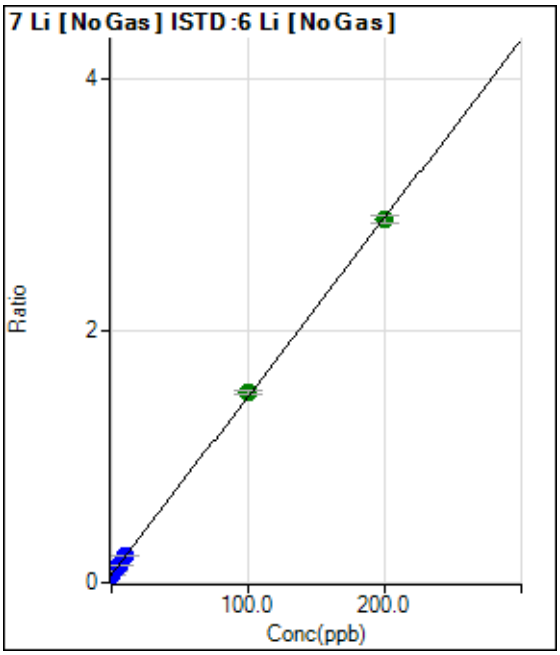
Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1225102	0.21	1326043	92.39	70	120	
Ge	72	2	He	1038676	0.43	1091369	95.17	70	120	
Ge	72	1	No Gas	3058874	1.41	3159633	96.81	70	120	
In	115	1	No Gas	3118013	2.34	3381547	92.21	70	120	
Bi	209	1	No Gas	2633029	4.33	2779551	94.73	70	120	

Calibration for 026_ICV.d

Batch Folder: C:\Agilent\ICPMH\1\DATA\062023A.b\
Analysis File: 062023A.batch.bin
DA Date-Time: 6/20/2023 12:11:32 PM
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	019CALB.d	CAL BLK	6/20/2023 10:07:53 AM
2	020CALS.d	2/10/200	6/20/2023 10:09:49 AM
3	021CALS.d	5/25/500	6/20/2023 10:11:44 AM
4	022CALS.d	10/50/100	6/20/2023 10:13:38 AM
5	023CALS.d	100/500/10K	6/20/2023 10:15:32 AM
6	024CALS.d	200/1000/20K	6/20/2023 10:17:20 AM

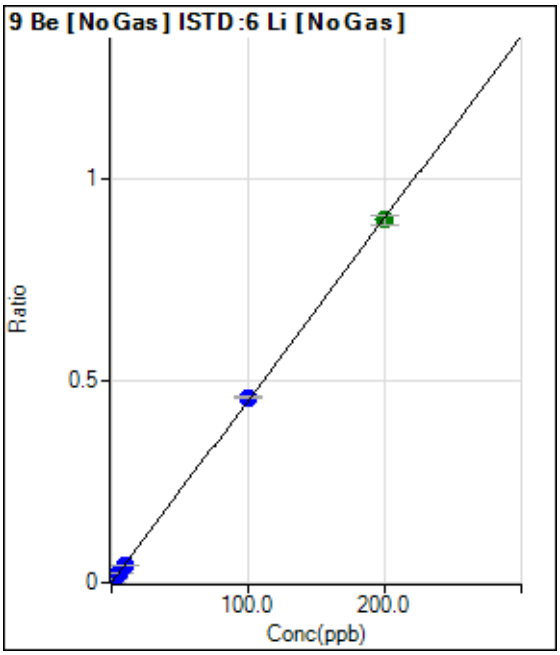
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	85197.48	0.0643	P	1.2
2	☐	2.000	2.076	121553.72	0.0936	P	2.1
3	☐	5.000	5.267	177273.45	0.1388	P	1.0
4	☐	10.000	10.474	275253.24	0.2125	P	3.0
5	☐	100.000	102.216	1863802.84	1.5112	A	1.5
6	☐	200.000	198.861	3485725.16	2.8792	A	2.3

y = 0.0142 * x + 0.0643
R = 0.9999
DL = 0.1672
BEC = 4.54

Weight: <None>
Min Conc: <None>

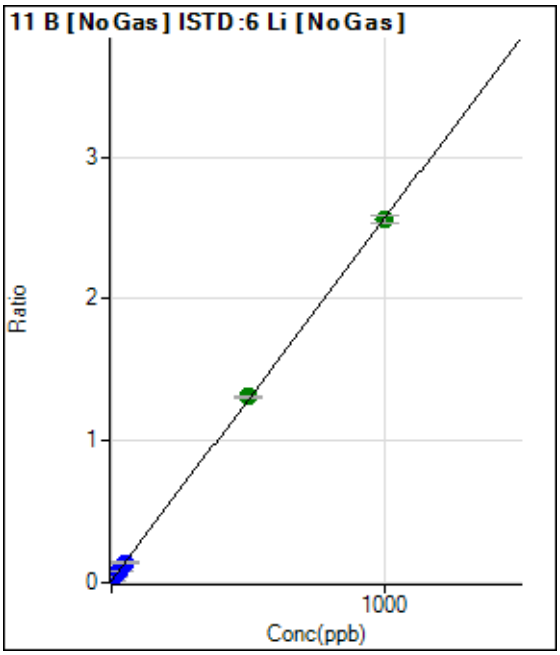


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	60.00	0.0000	P	15.1
2	☐	2.000	2.004	11781.66	0.0091	P	3.0
3	☐	5.000	5.055	29140.26	0.0228	P	3.7
4	☐	10.000	9.806	57271.14	0.0442	P	3.9
5	☐	100.000	101.757	565627.31	0.4586	P	0.4
6	☐	200.000	199.130	1086648.97	0.8973	A	2.4

y = 0.0045 * x + 4.5187E-005
R = 0.9999
DL = 0.004549
BEC = 0.01003

Weight: <None>
Min Conc: <None>

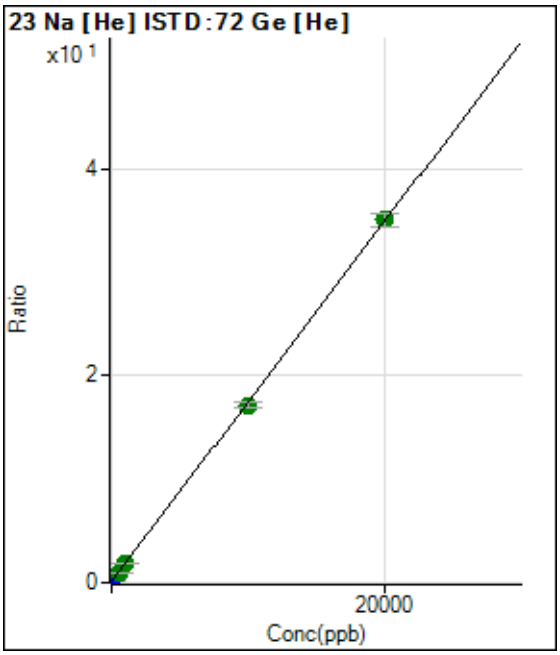
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	19830.69	0.0150	P	0.9
2	☐	10.000	9.652	51373.72	0.0396	P	2.6
3	☐	25.000	24.847	100000.34	0.0783	P	3.8
4	☐	50.000	49.345	182291.56	0.1408	P	5.3
5	☐	500.000	507.081	1614097.21	1.3085	A	0.5
6	☐	1000.000	996.500	3096618.81	2.5571	A	2.2

y = 0.0026 * x + 0.0150
R = 1.0000
DL = 0.1557
BEC = 5.863

Weight: <None>
Min Conc: <None>

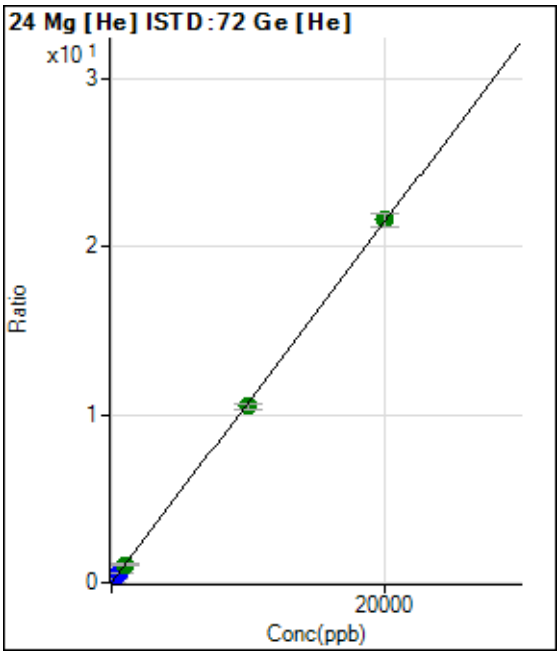


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	110343.30	0.1011	P	1.6
2	☐	200.000	214.217	506930.60	0.4736	P	2.2
3	☐	500.000	505.181	1051892.79	0.9795	A	3.0
4	☐	1000.000	997.970	1945980.13	1.8364	A	3.0
5	☐	10000.00	9810.103	17705795.15	17.1593	A	3.1
6	☐	20000.00	20094.77	34971765.31	35.0428	A	3.4

y = 0.0017 * x + 0.1011
R = 0.9999
DL = 2.763
BEC = 58.15

Weight: <None>
Min Conc: <None>

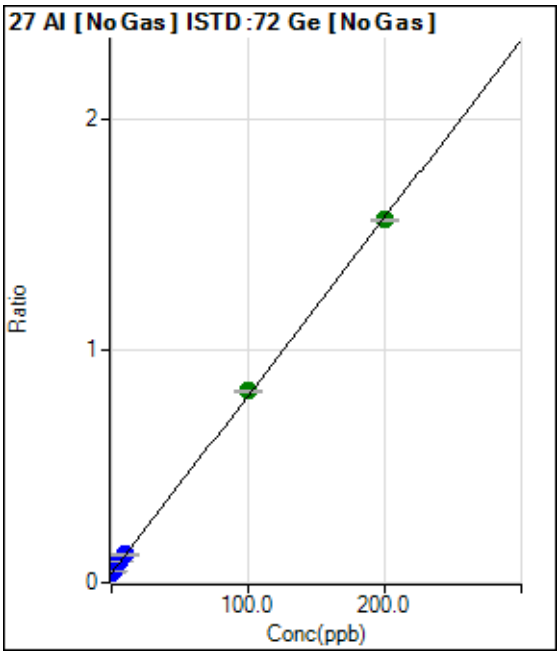
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1663.46	0.0015	P	11.5
2	☐	200.000	211.531	244782.00	0.2287	P	2.7
3	☐	500.000	520.850	602390.93	0.5609	P	1.2
4	☐	1000.000	999.593	1138734.18	1.0750	A	5.0
5	☐	10000.00	9763.028	10819547.76	10.4861	A	3.1
6	☐	20000.00	20117.87	21562500.51	21.6062	A	3.4

y = 0.0011 * x + 0.0015
R = 0.9999
DL = 0.4905
BEC = 1.418

Weight: <None>
Min Conc: <None>

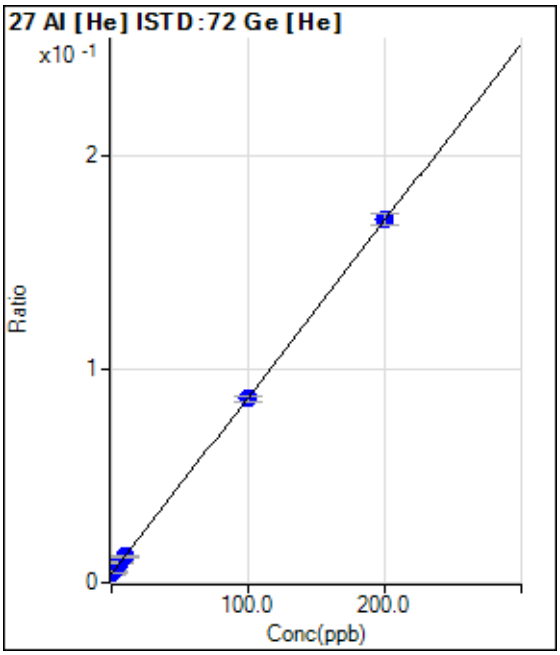


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	128728.27	0.0408	P	2.3
2	☐	2.000	1.366	160725.08	0.0512	P	2.3
3	☐	5.000	6.527	278566.74	0.0908	P	3.1
4	☐	10.000	10.469	373436.99	0.1210	P	3.9
5	☐	100.000	102.352	2508530.12	0.8252	A	1.1
6	☐	200.000	198.769	4689638.78	1.5641	A	0.7

y = 0.0077 * x + 0.0408
R = 0.9999
DL = 0.3718
BEC = 5.317

Weight: <None>
Min Conc: <None>

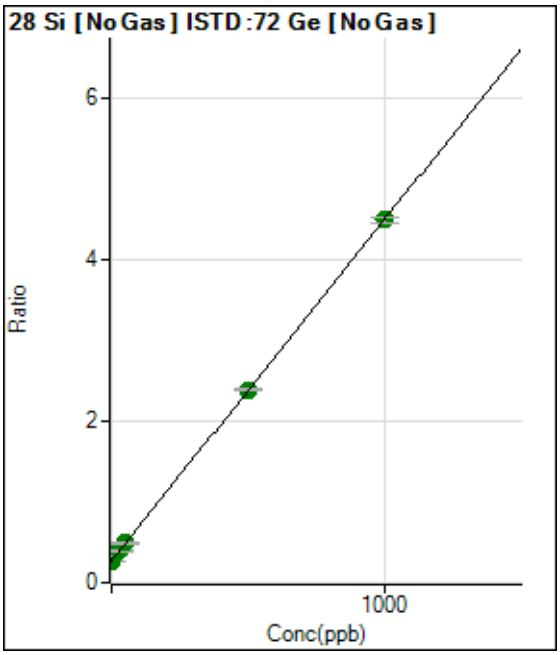
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4444.11	0.0041	P	3.0
2	☐	2.000	1.096	5331.12	0.0050	P	1.7
3	☐	5.000	6.207	9890.39	0.0092	P	7.7
4	☐	10.000	9.992	13083.02	0.0123	P	5.9
5	☐	100.000	99.132	88943.35	0.0862	P	2.7
6	☐	200.000	200.413	169776.60	0.1701	P	3.3

y = 8.2840E-004 * x + 0.0041
R = 1.0000
DL = 0.4412
BEC = 4.916

Weight: <None>
Min Conc: <None>

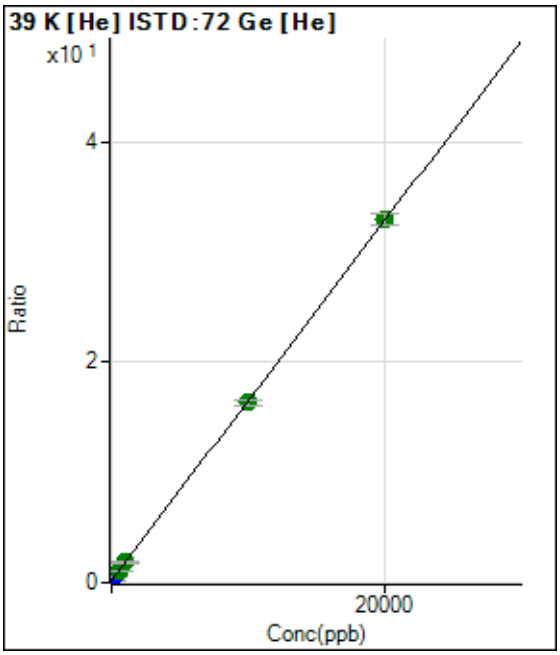


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	853658.42	0.2702	A	1.9
2	☐	10.000	12.254	1010504.36	0.3220	A	0.4
3	☐	25.000	29.071	1206423.91	0.3930	A	2.3
4	☐	50.000	52.481	1518345.60	0.4919	A	3.2
5	☐	500.000	501.387	7258744.48	2.3878	A	1.2
6	☐	1000.000	999.058	13457271.88	4.4897	A	1.6

y = 0.0042 * x + 0.2702
R = 1.0000
DL = 3.581
BEC = 63.98

Weight: <None>
Min Conc: <None>

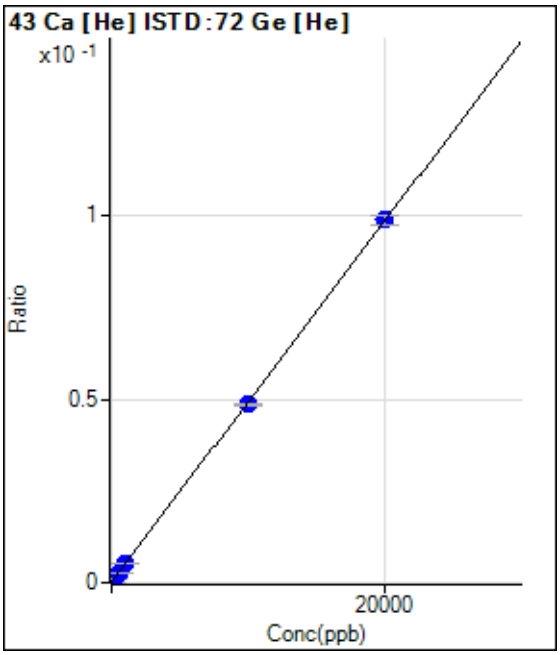
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	213297.46	0.1955	P	1.4
2	☐	200.000	210.641	577395.09	0.5394	P	2.3
3	☐	500.000	504.106	1094095.11	1.0187	A	1.8
4	☐	1000.000	1004.271	1944736.38	1.8355	A	3.6
5	☐	10000.00	9887.358	16862576.83	16.3422	A	2.9
6	☐	20000.00	20055.89	32885248.68	32.9482	A	3.1

y = 0.0016 * x + 0.1955
R = 1.0000
DL = 5.143
BEC = 119.7

Weight: <None>
Min Conc: <None>

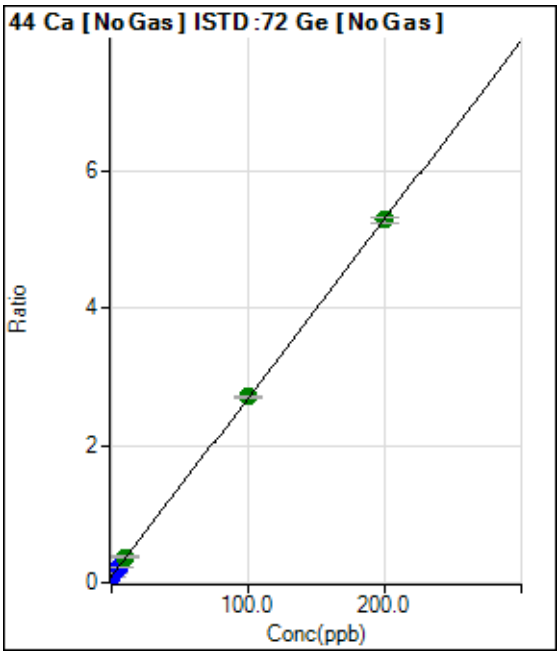


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	133.33	0.0001	P	17.9
2	☐	200.000	209.162	1233.41	0.0012	P	2.4
3	☐	500.000	481.167	2677.00	0.0025	P	4.8
4	☐	1000.000	1026.928	5487.86	0.0052	P	3.1
5	☐	10000.00	9845.744	50175.02	0.0486	P	1.1
6	☐	20000.00	20076.16	98793.49	0.0990	P	2.7

y = 4.9241E-006 * x + 1.2204E-004
R = 1.0000
DL = 13.33
BEC = 24.78

Weight: <None>
Min Conc: <None>

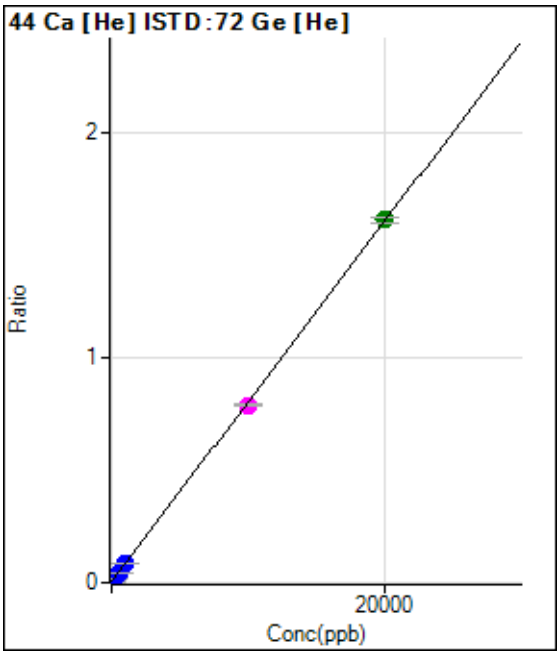
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	284480.11	0.0901	P	2.0
2	☐	2.000	2.183	460683.33	0.1468	P	1.4
3	☐	5.000	5.525	717034.39	0.2337	P	3.6
4	☐	10.000	11.011	1161744.67	0.3762	A	1.7
5	☐	100.000	100.545	8217776.54	2.7033	A	0.8
6	☐	200.000	199.662	15826472.26	5.2795	A	1.6

y = 0.0260 * x + 0.0901
R = 1.0000
DL = 0.2073
BEC = 3.465

Weight: <None>
Min Conc: <None>

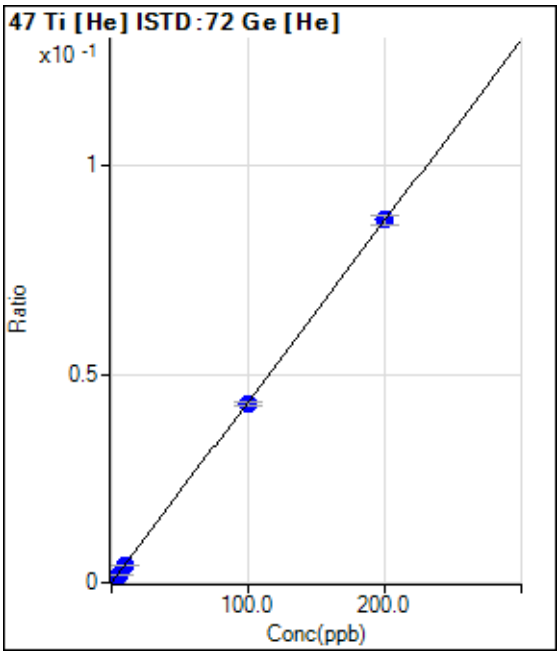


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4790.92	0.0044	P	7.9
2	☐	200.000	198.132	21664.02	0.0202	P	2.5
3	☐	500.000	498.442	47545.76	0.0443	P	0.3
4	☐	1000.000	996.459	89124.28	0.0841	P	2.3
5	☐	10000.00	9808.656	814538.76	0.7890	M	0.5
6	☐	20000.00	20095.90	1609256.07	1.6120	A	1.3

y = 7.9995E-005 * x + 0.0044
R = 0.9999
DL = 13.04
BEC = 54.89

Weight: <None>
Min Conc: <None>

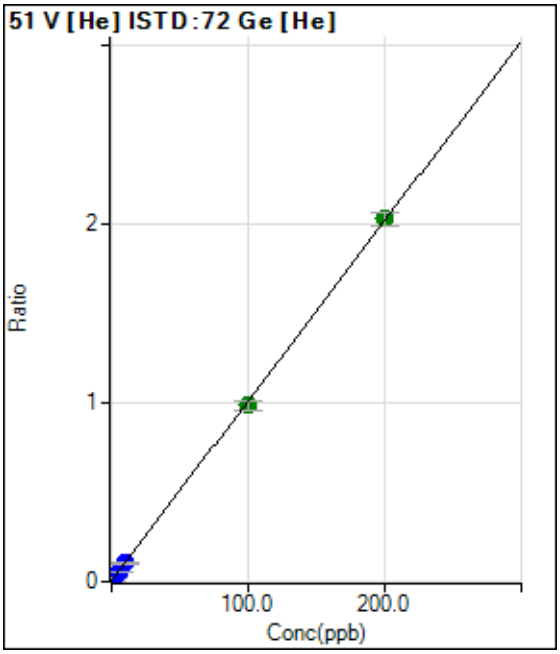
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	10.00	0.0000	P	100.6
2	☐	2.000	1.977	930.05	0.0009	P	12.0
3	☐	5.000	4.613	2160.21	0.0020	P	4.8
4	☐	10.000	9.543	4397.46	0.0042	P	6.6
5	☐	100.000	98.986	44355.34	0.0430	P	2.9
6	☐	200.000	200.540	86914.16	0.0871	P	2.4

y = 4.3415E-004 * x + 9.1625E-006
R = 1.0000
DL = 0.06367
BEC = 0.0211

Weight: <None>
Min Conc: <None>

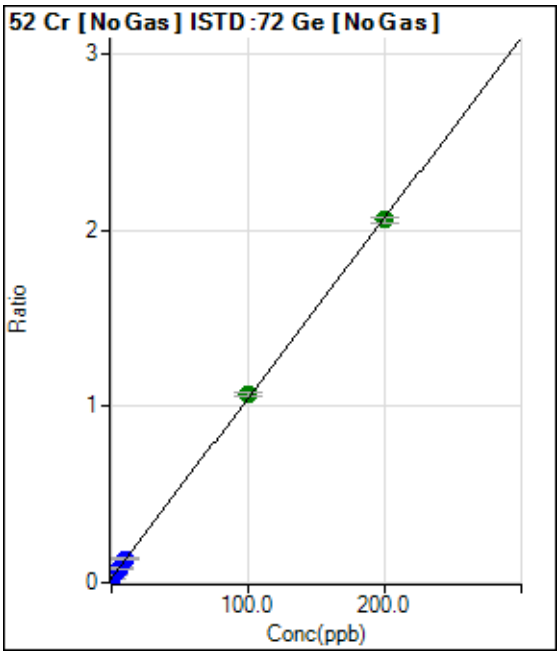


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5586.73	0.0051	P	3.6
2	☐	2.000	1.950	26492.28	0.0247	P	0.9
3	☐	5.000	4.902	58481.97	0.0545	P	1.5
4	☐	10.000	9.730	109189.28	0.1031	P	3.3
5	☐	100.000	97.594	1018424.09	0.9873	A	4.9
6	☐	200.000	201.220	2026196.38	2.0303	A	3.7

y = 0.0101 * x + 0.0051
R = 0.9999
DL = 0.05481
BEC = 0.5087

Weight: <None>
Min Conc: <None>

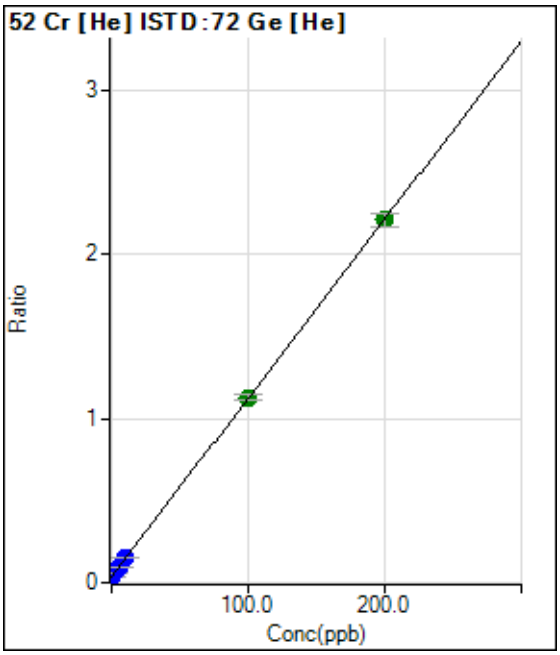
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	78390.82	0.0248	P	1.6
2	☐	2.000	2.298	151531.49	0.0483	P	3.1
3	☐	5.000	5.418	246102.27	0.0802	P	4.5
4	☐	10.000	10.822	418186.48	0.1354	P	2.1
5	☐	100.000	102.112	3248987.66	1.0687	A	1.7
6	☐	200.000	198.889	6170605.12	2.0581	A	1.7

y = 0.0102 * x + 0.0248
R = 0.9999
DL = 0.1165
BEC = 2.426

Weight: <None>
Min Conc: <None>

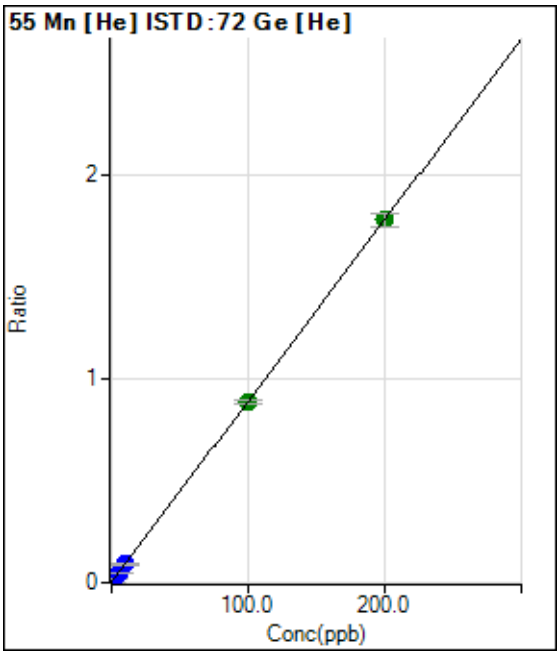


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	39527.38	0.0362	P	4.6
2	☐	2.000	2.223	64659.19	0.0604	P	1.2
3	☐	5.000	5.062	98029.80	0.0913	P	2.2
4	☐	10.000	10.473	159094.17	0.1502	P	3.5
5	☐	100.000	100.270	1162800.63	1.1270	A	3.5
6	☐	200.000	199.838	2205750.85	2.2102	A	3.5

y = 0.0109 * x + 0.0362
R = 1.0000
DL = 0.4563
BEC = 3.329

Weight: <None>
Min Conc: <None>

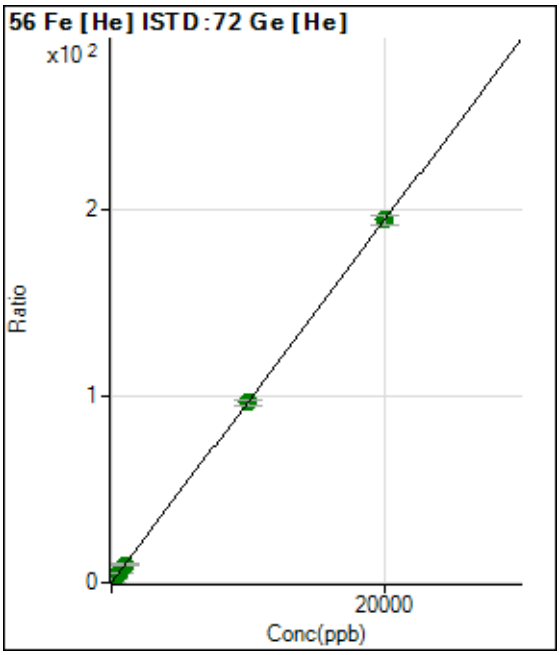
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2296.90	0.0021	P	2.5
2	☐	2.000	2.070	21977.99	0.0205	P	2.0
3	☐	5.000	4.979	49861.14	0.0464	P	2.1
4	☐	10.000	9.953	96103.78	0.0907	P	3.5
5	☐	100.000	99.788	918849.31	0.8904	A	2.5
6	☐	200.000	200.108	1779770.81	1.7835	A	3.8

y = 0.0089 * x + 0.0021
R = 1.0000
DL = 0.01805
BEC = 0.2364

Weight: <None>
Min Conc: <None>

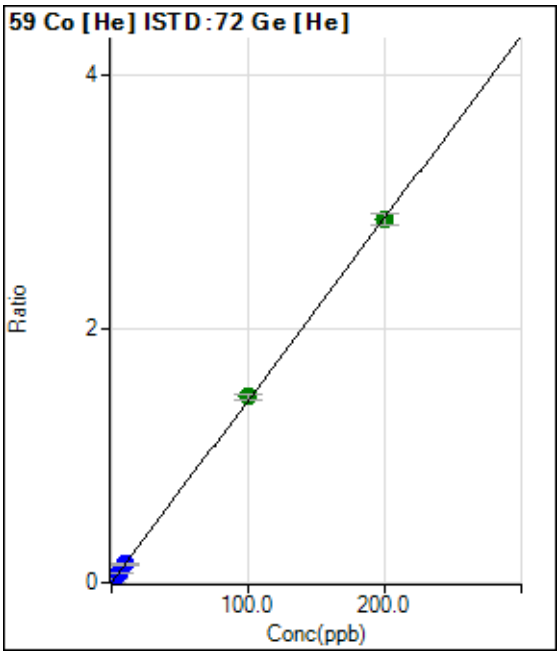


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	55607.21	0.0509	P	5.8
2	☐	200.000	206.215	2193446.32	2.0491	A	1.8
3	☐	500.000	498.370	5241489.09	4.8801	A	0.8
4	☐	1000.000	982.128	10136641.51	9.5676	A	4.4
5	☐	10000.00	9951.052	99537895.18	96.4751	A	3.4
6	☐	20000.00	20025.34	193725377.1	194.093	A	2.6

y = 0.0097 * x + 0.0509
R = 1.0000
DL = 0.9136
BEC = 5.257

Weight: <None>
Min Conc: <None>

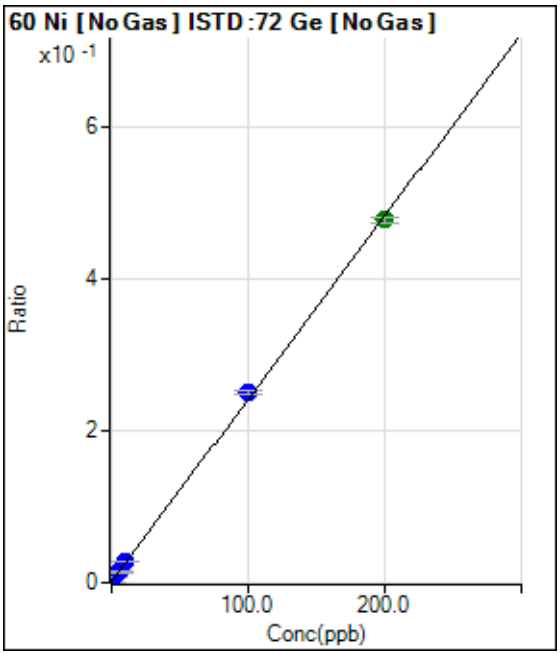
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	420.02	0.0004	P	35.6
2	☐	2.000	1.990	30992.25	0.0290	P	2.6
3	☐	5.000	4.927	76393.93	0.0711	P	1.3
4	☐	10.000	10.062	153487.78	0.1449	P	3.3
5	☐	100.000	101.993	1511340.60	1.4647	A	3.0
6	☐	200.000	199.002	2851917.56	2.8575	A	3.2

y = 0.0144 * x + 3.8398E-004
R = 0.9999
DL = 0.02858
BEC = 0.02674

Weight: <None>
Min Conc: <None>

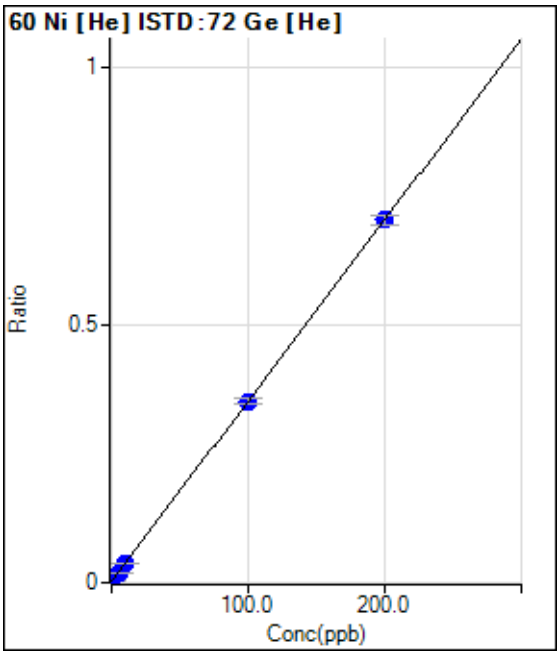


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3453.85	0.0011	P	20.4
2	☐	2.000	2.308	20856.26	0.0066	P	4.6
3	☐	5.000	5.397	43235.76	0.0141	P	3.7
4	☐	10.000	10.726	83096.14	0.0269	P	2.3
5	☐	100.000	103.742	762588.87	0.2508	P	1.3
6	☐	200.000	198.080	1432996.85	0.4780	A	1.4

y = 0.0024 * x + 0.0011
R = 0.9998
DL = 0.2773
BEC = 0.4533

Weight: <None>
Min Conc: <None>

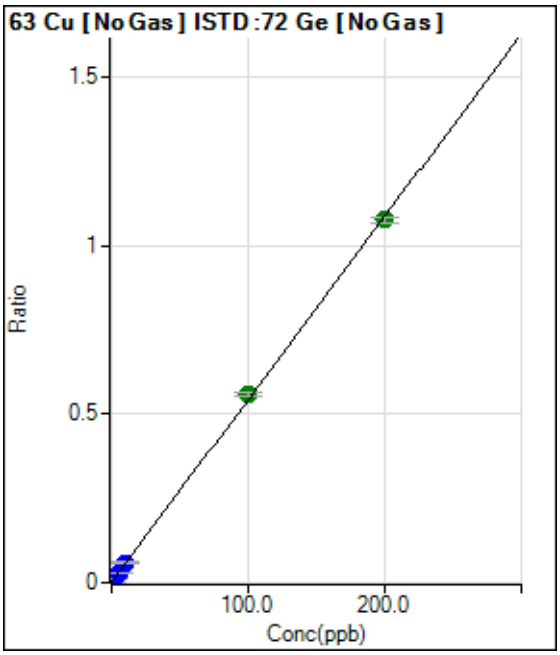
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2323.57	0.0021	P	7.8
2	☐	2.000	2.184	10490.92	0.0098	P	0.8
3	☐	5.000	5.128	21627.41	0.0201	P	1.3
4	☐	10.000	10.115	39905.42	0.0377	P	2.2
5	☐	100.000	99.817	363877.14	0.3527	P	3.4
6	☐	200.000	200.081	703491.97	0.7048	P	2.5

y = 0.0035 * x + 0.0021
R = 1.0000
DL = 0.1414
BEC = 0.606

Weight: <None>
Min Conc: <None>

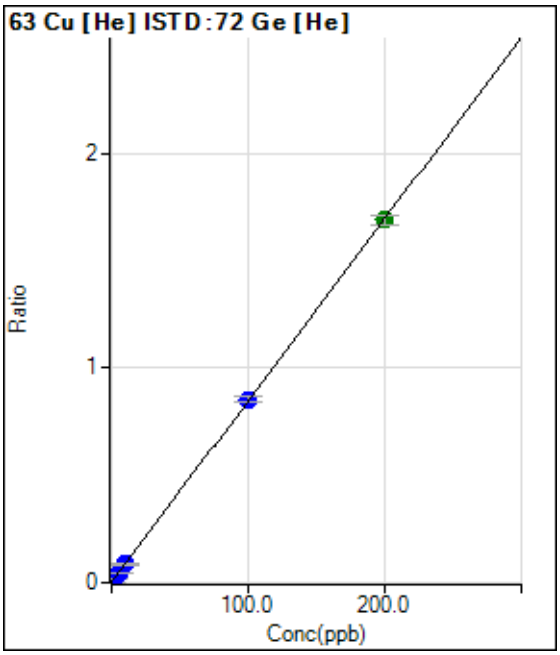


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3530.51	0.0011	P	8.6
2	☐	2.000	2.319	42971.50	0.0137	P	1.4
3	☐	5.000	5.457	94249.44	0.0307	P	4.2
4	☐	10.000	10.812	184468.53	0.0598	P	3.0
5	☐	100.000	103.211	1705248.15	0.5609	A	2.1
6	☐	200.000	198.339	3227886.72	1.0769	A	1.6

y = 0.0054 * x + 0.0011
R = 0.9998
DL = 0.05303
BEC = 0.206

Weight: <None>
Min Conc: <None>

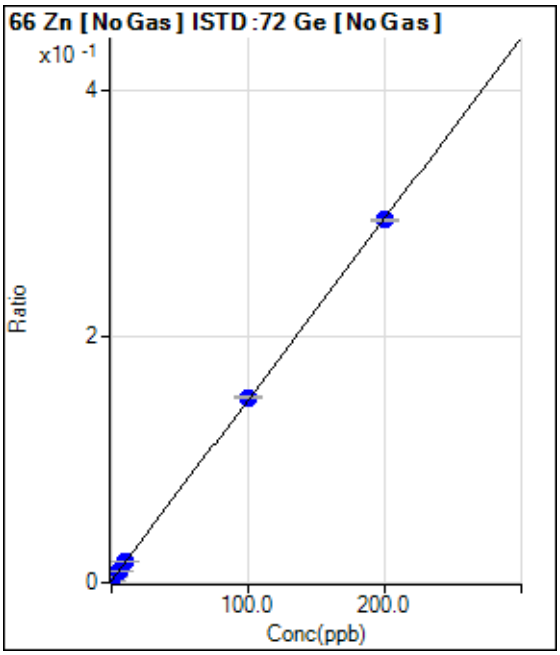
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1656.80	0.0015	P	8.6
2	☐	2.000	2.185	21417.14	0.0200	P	5.0
3	☐	5.000	5.062	47650.45	0.0444	P	1.5
4	☐	10.000	10.125	92369.88	0.0872	P	6.5
5	☐	100.000	100.815	881982.18	0.8549	P	3.5
6	☐	200.000	199.583	1687688.46	1.6909	A	2.5

y = 0.0085 * x + 0.0015
R = 1.0000
DL = 0.04621
BEC = 0.1794

Weight: <None>
Min Conc: <None>

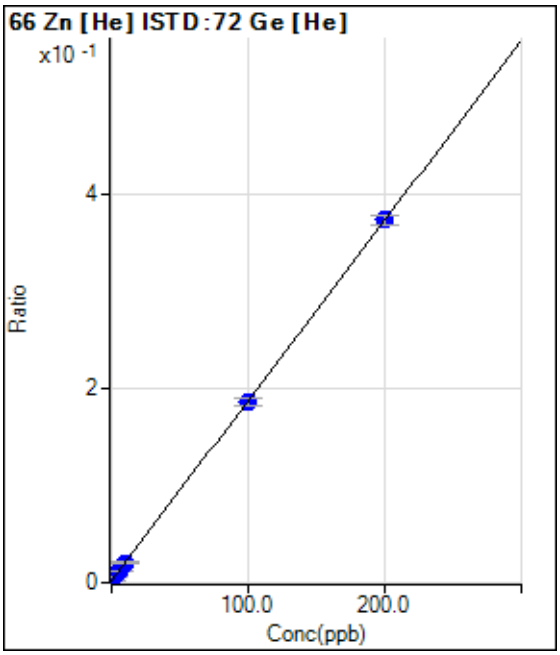


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5301.13	0.0017	P	4.4
2	☐	2.000	2.692	17661.79	0.0056	P	7.1
3	☐	5.000	5.360	29291.95	0.0095	P	4.5
4	☐	10.000	10.491	52739.41	0.0171	P	1.6
5	☐	100.000	101.193	456599.20	0.1502	P	1.1
6	☐	200.000	199.363	882196.26	0.2943	P	0.3

y = 0.0015 * x + 0.0017
R = 1.0000
DL = 0.1496
BEC = 1.143

Weight: <None>
Min Conc: <None>

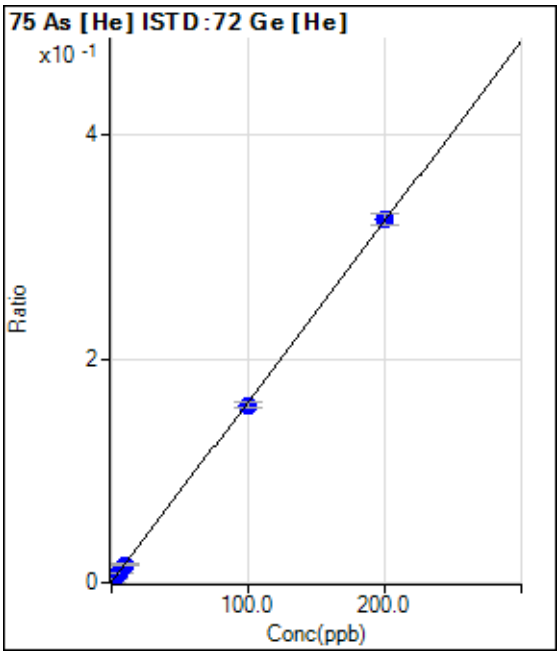
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2270.23	0.0021	P	5.6
2	☐	2.000	2.553	7288.77	0.0068	P	7.0
3	☐	5.000	4.916	12018.83	0.0112	P	2.4
4	☐	10.000	10.021	21877.93	0.0206	P	3.7
5	☐	100.000	99.183	191758.58	0.1859	P	3.6
6	☐	200.000	200.404	372724.42	0.3734	P	2.6

y = 0.0019 * x + 0.0021
R = 1.0000
DL = 0.1872
BEC = 1.123

Weight: <None>
Min Conc: <None>

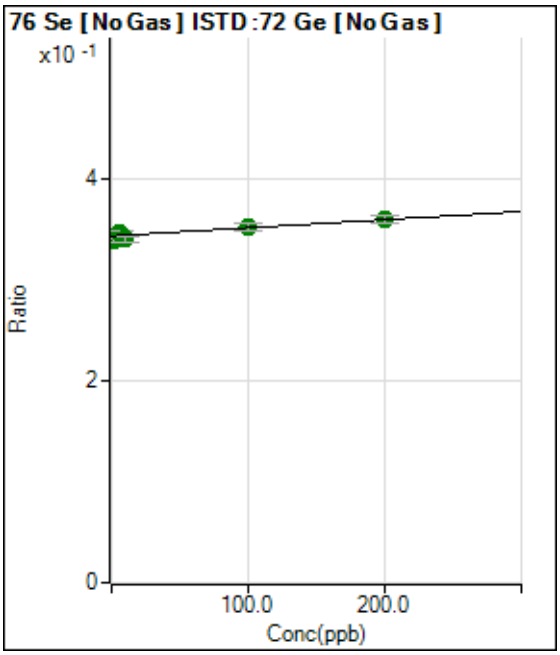


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	450.01	0.0004	P	5.0
2	☐	2.000	1.944	3797.22	0.0035	P	2.4
3	☐	5.000	4.732	8636.14	0.0080	P	1.8
4	☐	10.000	9.798	17175.38	0.0162	P	3.4
5	☐	100.000	98.252	163882.27	0.1588	P	2.6
6	☐	200.000	200.891	323647.10	0.3243	P	3.2

y = 0.0016 * x + 4.1247E-004
R = 0.9999
DL = 0.03872
BEC = 0.2558

Weight: <None>
Min Conc: <None>

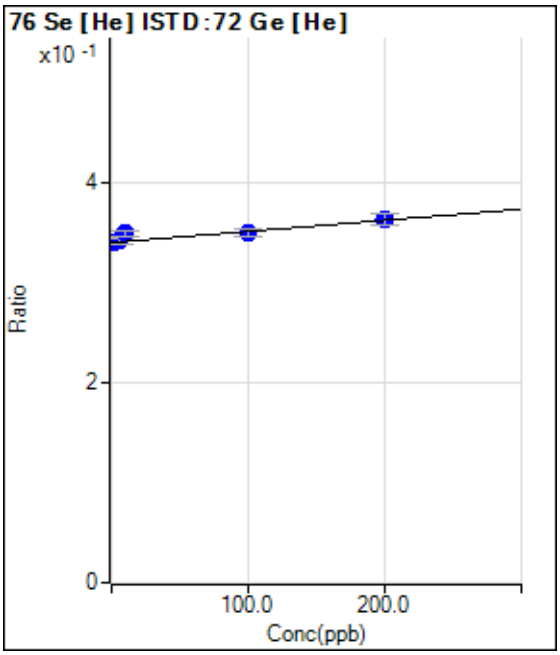
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1085434.88	0.3436	A	1.7
2	☐	2.000	-58.535	1063464.49	0.3389	A	1.0
3	☐	5.000	29.988	1062091.13	0.3460	A	1.8
4	☐	10.000	-34.256	1052358.11	0.3408	A	1.6
5	☐	100.000	111.688	1071891.28	0.3526	A	1.7
6	☐	200.000	196.349	1077646.00	0.3594	A	2.2

y = 8.0697E-005 * x + 0.3436
R = 0.9435
DL = 220.3
BEC = 4258

Weight: <None>
Min Conc: <None>

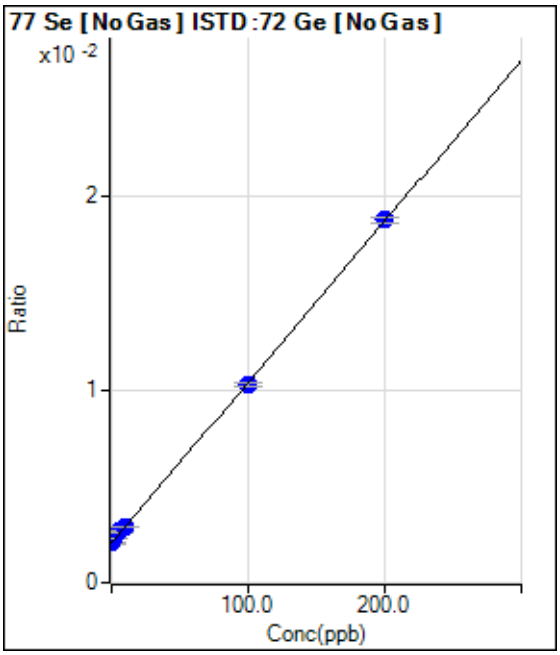


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	371922.21	0.3408	P	1.4
2	☐	2.000	3.343	365266.65	0.3412	P	0.4
3	☐	5.000	13.587	367664.41	0.3423	P	1.5
4	☐	10.000	79.643	370621.19	0.3497	P	1.7
5	☐	100.000	87.018	361745.51	0.3505	P	2.1
6	☐	200.000	202.781	362732.70	0.3635	P	3.1

y = 1.1163E-004 * x + 0.3408
R = 0.9336
DL = 131.5
BEC = 3053

Weight: <None>
Min Conc: <None>

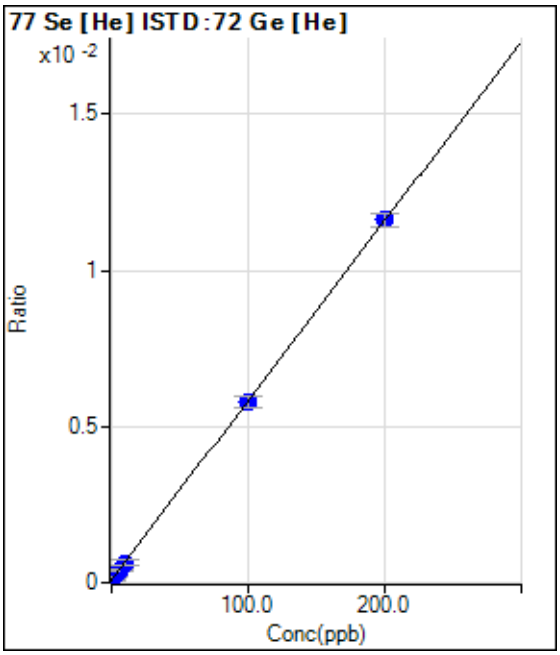
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6478.32	0.0020	P	6.2
2	☐	2.000	2.827	7172.07	0.0023	P	3.1
3	☐	5.000	7.101	8105.93	0.0026	P	5.0
4	☐	10.000	10.177	8949.80	0.0029	P	2.8
5	☐	100.000	98.170	31123.06	0.0102	P	2.0
6	☐	200.000	200.845	56368.14	0.0188	P	1.3

y = 8.3411E-005 * x + 0.0020
R = 0.9999
DL = 4.538
BEC = 24.58

Weight: <None>
Min Conc: <None>

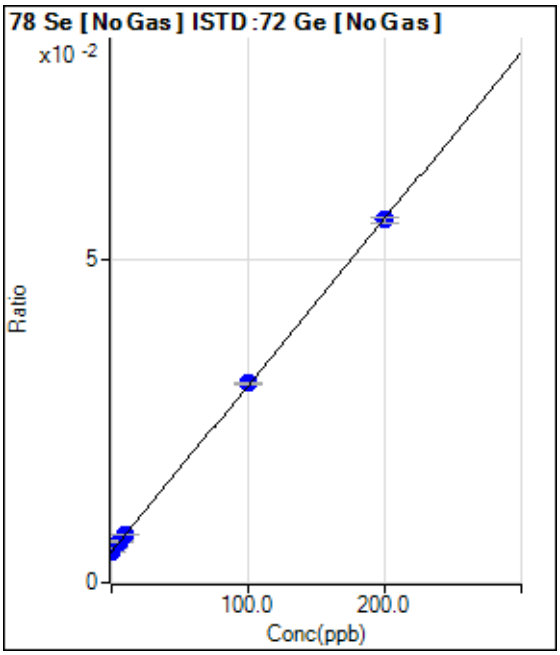


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	100.00	0.0001	P	16.3
2	☐	2.000	2.153	230.01	0.0002	P	18.5
3	☐	5.000	5.327	426.69	0.0004	P	5.6
4	☐	10.000	9.244	656.69	0.0006	P	30.6
5	☐	100.000	98.790	5948.11	0.0058	P	6.7
6	☐	200.000	200.633	11588.49	0.0116	P	3.4

y = 5.7417E-005 * x + 9.1529E-005
R = 1.0000
DL = 0.7772
BEC = 1.594

Weight: <None>
Min Conc: <None>

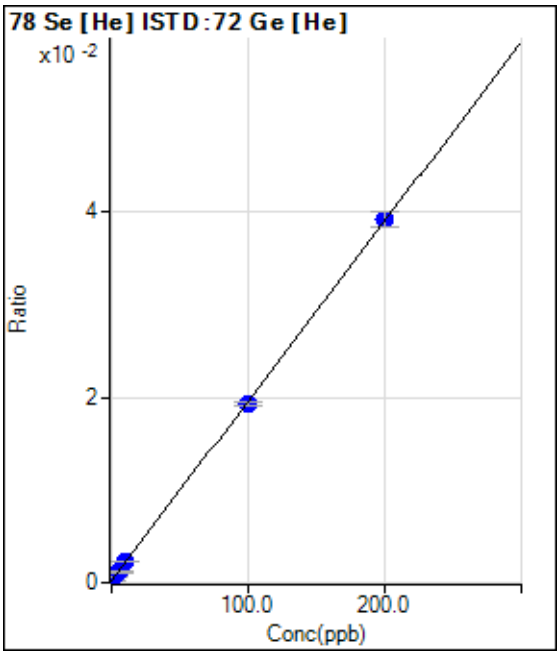
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	15065.35	0.0048	P	1.7
2	☐	2.000	2.875	17284.70	0.0055	P	2.0
3	☐	5.000	5.972	19340.84	0.0063	P	4.6
4	☐	10.000	10.691	23216.95	0.0075	P	0.5
5	☐	100.000	101.049	93436.73	0.0307	P	0.6
6	☐	200.000	199.408	167881.24	0.0560	P	1.8

y = 2.5698E-004 * x + 0.0048
R = 1.0000
DL = 0.9331
BEC = 18.56

Weight: <None>
Min Conc: <None>

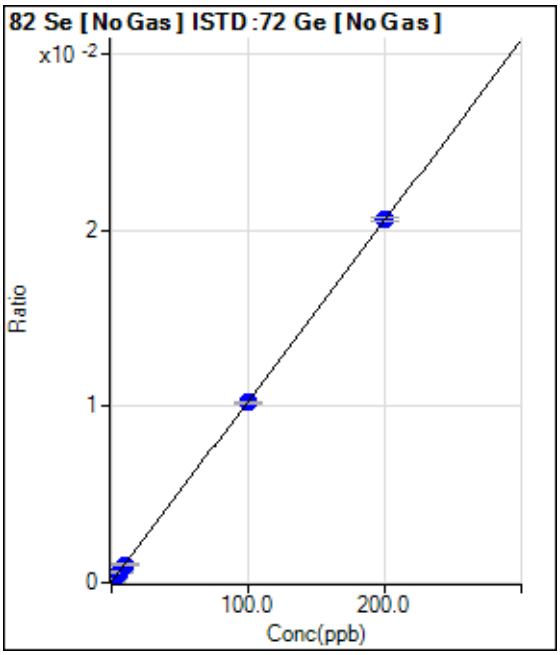


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	265.33	0.0002	P	3.4
2	☐	2.000	1.982	671.35	0.0006	P	6.8
3	☐	5.000	4.749	1249.39	0.0012	P	8.5
4	☐	10.000	10.301	2372.22	0.0022	P	2.3
5	☐	100.000	98.255	19888.68	0.0193	P	2.7
6	☐	200.000	200.864	39065.12	0.0391	P	4.1

y = 1.9369E-004 * x + 2.4308E-004
R = 0.9999
DL = 0.1261
BEC = 1.255

Weight: <None>
Min Conc: <None>

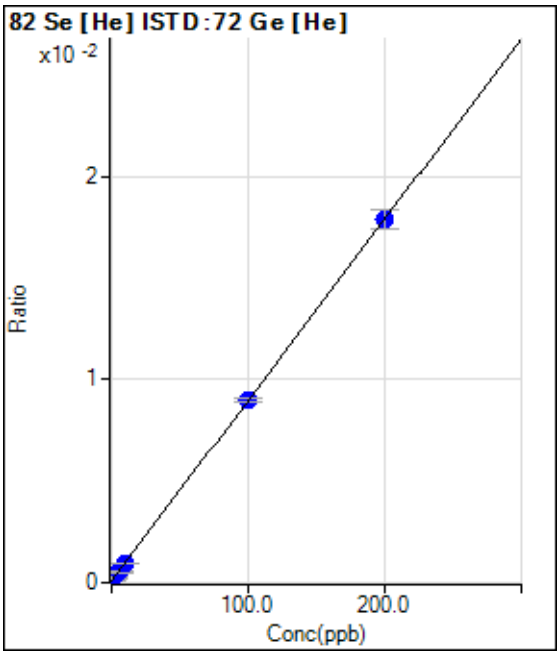
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	134.93	0.0000	P	61.1
2	☐	2.000	1.670	671.09	0.0002	P	5.3
3	☐	5.000	5.264	1784.43	0.0006	P	13.3
4	☐	10.000	9.623	3181.28	0.0010	P	5.2
5	☐	100.000	99.219	31071.79	0.0102	P	1.0
6	☐	200.000	200.406	61751.28	0.0206	P	1.2

y = 1.0259E-004 * x + 4.2505E-005
R = 1.0000
DL = 0.7595
BEC = 0.4143

Weight: <None>
Min Conc: <None>

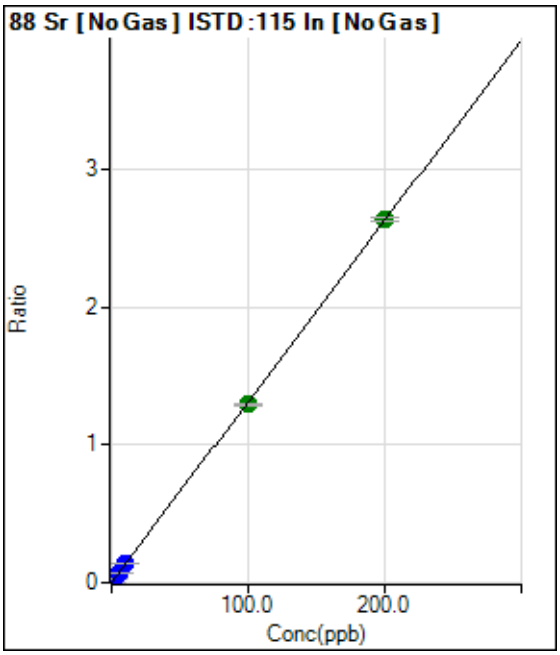


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	103.33	0.0001	P	36.5
2	☐	2.000	1.740	266.68	0.0002	P	11.7
3	☐	5.000	4.908	570.02	0.0005	P	4.1
4	☐	10.000	9.627	1006.72	0.0009	P	0.8
5	☐	100.000	100.390	9300.02	0.0090	P	2.4
6	☐	200.000	199.828	17808.74	0.0178	P	5.4

y = 8.8829E-005 * x + 9.4604E-005
R = 1.0000
DL = 1.165
BEC = 1.065

Weight: <None>
Min Conc: <None>

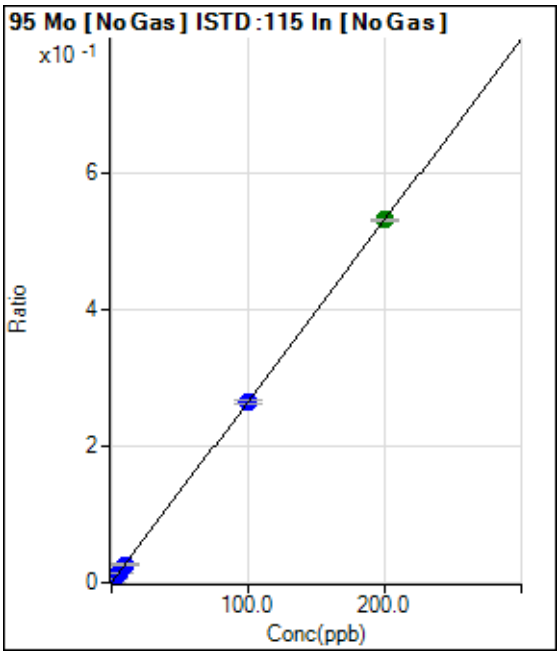
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4784.28	0.0014	P	3.8
2	☐	2.000	2.056	93874.67	0.0284	P	1.3
3	☐	5.000	5.046	224100.86	0.0677	P	0.2
4	☐	10.000	10.177	444900.20	0.1352	P	1.5
5	☐	100.000	98.726	4149279.94	1.2988	A	1.0
6	☐	200.000	200.627	8227120.71	2.6380	A	1.1

y = 0.0131 * x + 0.0014
R = 1.0000
DL = 0.0124
BEC = 0.1076

Weight: <None>
Min Conc: <None>

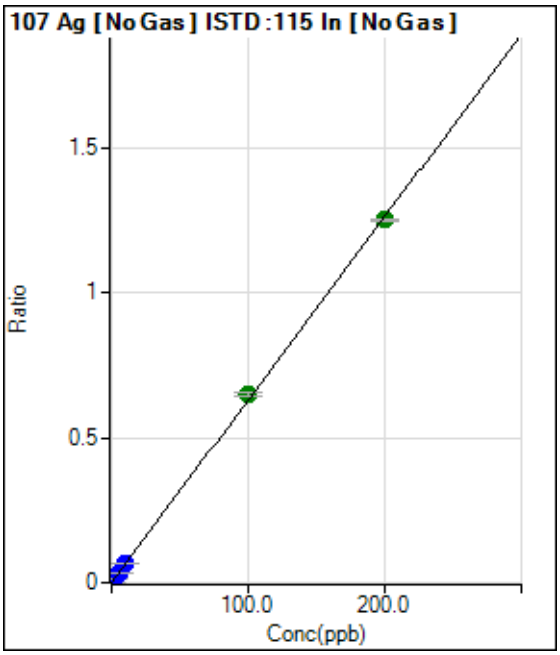


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	853.38	0.0003	P	8.2
2	☐	2.000	1.963	18045.87	0.0055	P	5.4
3	☐	5.000	4.800	43006.52	0.0130	P	3.1
4	☐	10.000	9.936	87674.61	0.0266	P	2.5
5	☐	100.000	99.643	846271.00	0.2649	P	1.3
6	☐	200.000	200.187	1658983.36	0.5319	A	0.6

y = 0.0027 * x + 2.5220E-004
R = 1.0000
DL = 0.02347
BEC = 0.09496

Weight: <None>
Min Conc: <None>

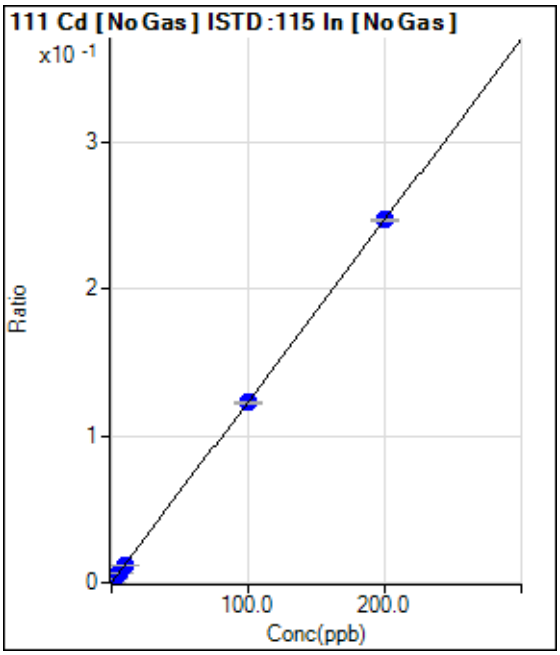
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	416.68	0.0001	P	13.1
2	☐	2.000	2.098	44153.81	0.0134	P	0.7
3	☐	5.000	5.162	108257.89	0.0327	P	2.3
4	☐	10.000	10.329	215165.60	0.0654	P	0.6
5	☐	100.000	103.027	2079068.62	0.6507	A	2.5
6	☐	200.000	198.465	3909392.44	1.2534	A	0.2

y = 0.0063 * x + 1.2304E-004
R = 0.9998
DL = 0.007659
BEC = 0.01948

Weight: <None>
Min Conc: <None>

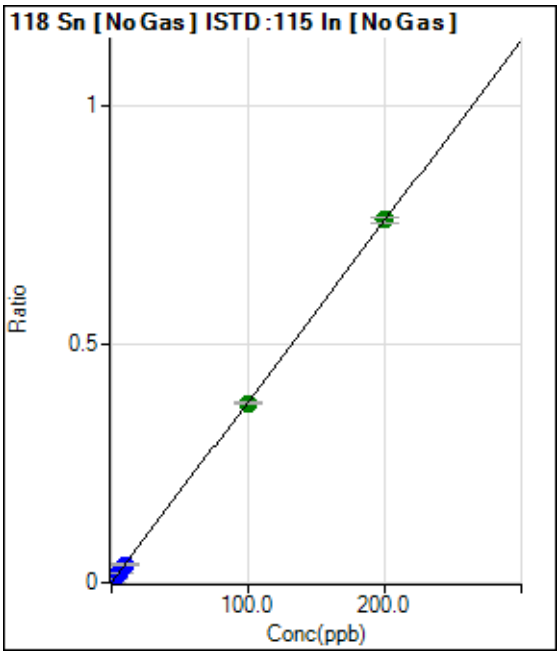


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	-16.98	0.0000	P	-60.9
2	☐	2.000	1.975	8015.33	0.0024	P	4.2
3	☐	5.000	4.889	19907.31	0.0060	P	4.0
4	☐	10.000	9.976	40442.65	0.0123	P	1.0
5	☐	100.000	99.551	391799.35	0.1226	P	1.1
6	☐	200.000	200.229	769342.86	0.2467	P	0.4

y = 0.0012 * x - 5.0398E-006
R = 1.0000
DL = 0.007476
BEC = -0.004091

Weight: <None>
Min Conc: <None>

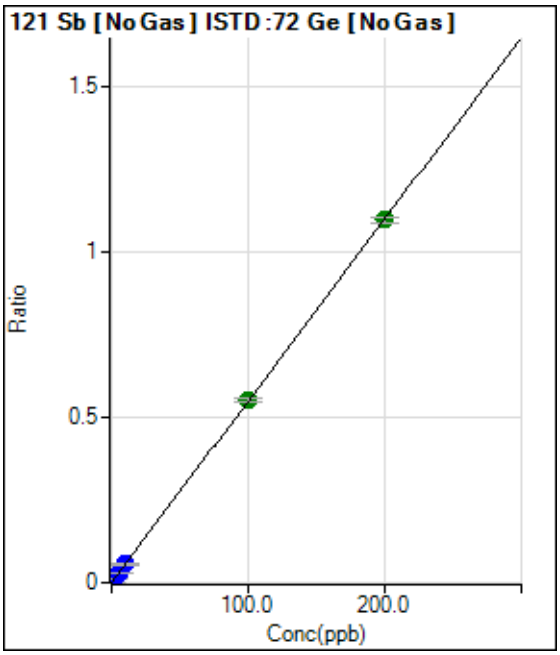
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1703.48	0.0005	P	2.9
2	☐	2.000	1.986	26533.77	0.0080	P	0.7
3	☐	5.000	4.803	61922.62	0.0187	P	2.7
4	☐	10.000	9.939	125714.77	0.0382	P	1.2
5	☐	100.000	98.886	1199558.66	0.3755	A	0.9
6	☐	200.000	200.565	2373637.78	0.7610	A	1.9

y = 0.0038 * x + 5.0366E-004
R = 1.0000
DL = 0.01167
BEC = 0.1328

Weight: <None>
Min Conc: <None>

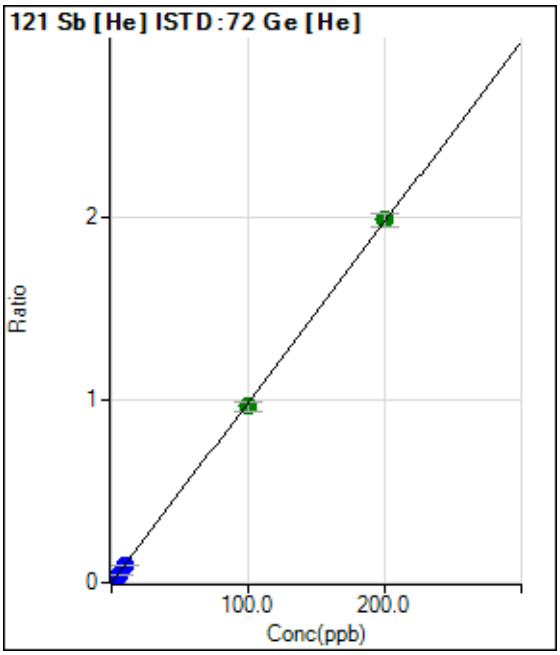


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	333.34	0.0001	P	26.1
2	☐	2.000	2.013	34997.11	0.0112	P	2.5
3	☐	5.000	5.081	85897.22	0.0280	P	2.8
4	☐	10.000	10.153	172305.55	0.0558	P	3.6
5	☐	100.000	100.556	1677975.34	0.5519	A	1.5
6	☐	200.000	199.712	3285577.03	1.0961	A	1.3

y = 0.0055 * x + 1.0561E-004
R = 1.0000
DL = 0.01508
BEC = 0.01925

Weight: <None>
Min Conc: <None>

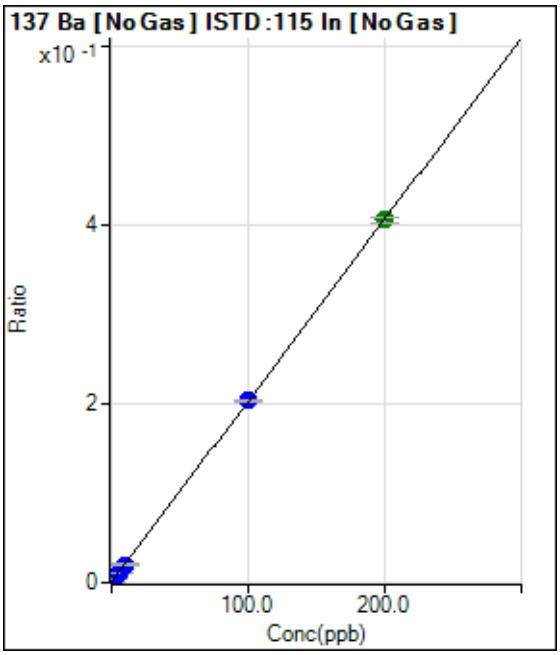
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	183.34	0.0002	P	21.5
2	☐	2.000	1.891	20172.40	0.0188	P	3.1
3	☐	5.000	4.622	49192.30	0.0458	P	0.8
4	☐	10.000	9.372	98222.92	0.0927	P	2.1
5	☐	100.000	97.790	995857.59	0.9656	A	5.2
6	☐	200.000	201.147	1981769.29	1.9859	A	3.8

y = 0.0099 * x + 1.6823E-004
R = 0.9999
DL = 0.01099
BEC = 0.01704

Weight: <None>
Min Conc: <None>

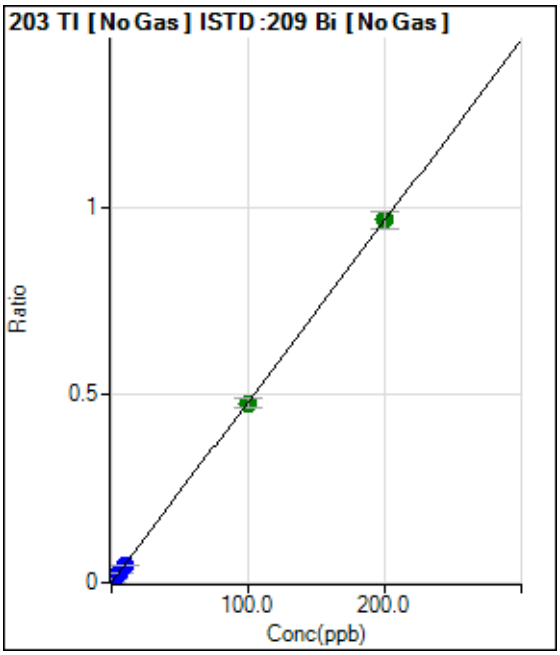


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	986.72	0.0003	P	10.3
2	☐	2.000	2.036	14581.71	0.0044	P	2.1
3	☐	5.000	4.909	33857.98	0.0102	P	2.4
4	☐	10.000	9.925	67133.51	0.0204	P	0.4
5	☐	100.000	100.295	649933.77	0.2034	P	1.2
6	☐	200.000	199.858	1263542.72	0.4051	A	1.6

y = 0.0020 * x + 2.9200E-004
R = 1.0000
DL = 0.04438
BEC = 0.1442

Weight: <None>
Min Conc: <None>

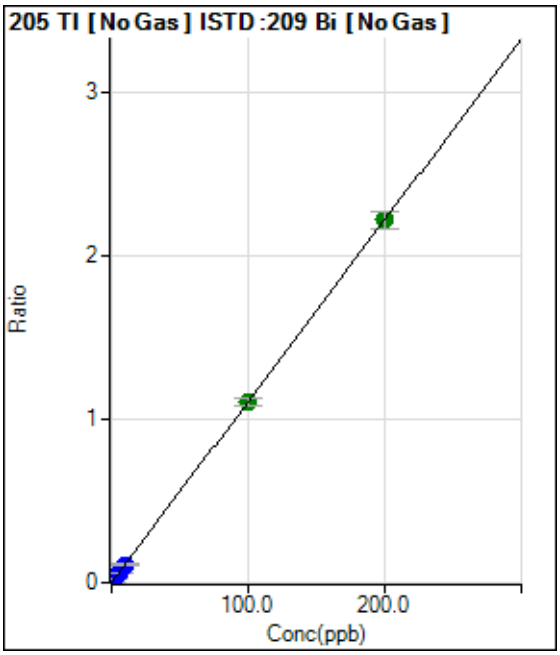
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	193.34	0.0001	P	38.1
2	☐	2.000	2.026	27273.45	0.0098	P	5.5
3	☐	5.000	4.938	65012.77	0.0239	P	4.3
4	☐	10.000	9.648	127921.53	0.0466	P	4.0
5	☐	100.000	99.053	1282854.36	0.4773	A	5.1
6	☐	200.000	200.492	2477831.06	0.9660	A	4.5

y = 0.0048 * x + 7.0227E-005
R = 1.0000
DL = 0.01666
BEC = 0.01458

Weight: <None>
Min Conc: <None>

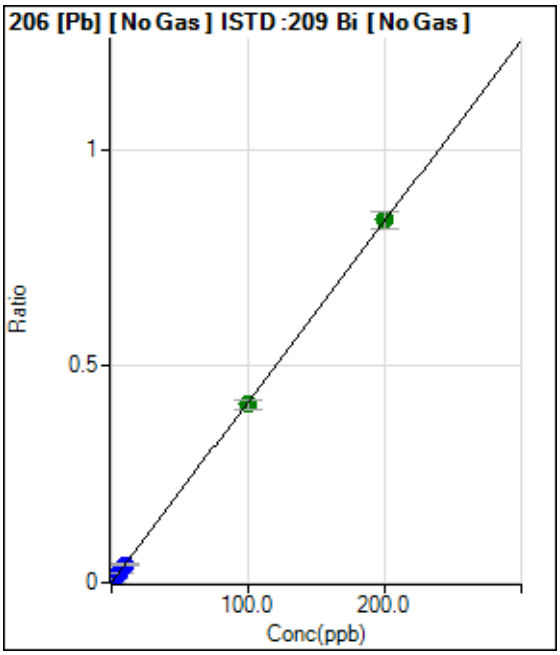


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	570.02	0.0002	P	8.0
2	☐	2.000	2.024	62878.65	0.0227	P	5.1
3	☐	5.000	5.102	154752.88	0.0568	P	5.5
4	☐	10.000	9.897	302276.74	0.1100	P	4.4
5	☐	100.000	99.709	2973913.91	1.1065	A	5.3
6	☐	200.000	200.148	5696517.83	2.2209	A	4.7

y = 0.0111 * x + 2.0459E-004
R = 1.0000
DL = 0.004409
BEC = 0.01844

Weight: <None>
Min Conc: <None>

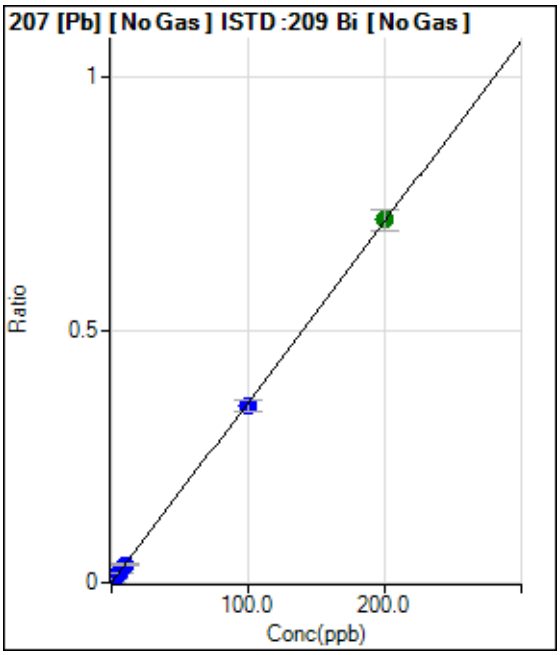
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	443.35	0.0002	P	12.5
2	☐	2.000	2.018	23819.89	0.0086	P	3.9
3	☐	5.000	4.997	57258.58	0.0210	P	5.3
4	☐	10.000	9.889	113883.46	0.0414	P	4.4
5	☐	100.000	98.605	1107011.88	0.4118	A	4.9
6	☐	200.000	200.703	2149694.55	0.8381	A	4.7

y = 0.0042 * x + 1.5902E-004
R = 1.0000
DL = 0.01434
BEC = 0.03809

Weight: <None>
Min Conc: <None>

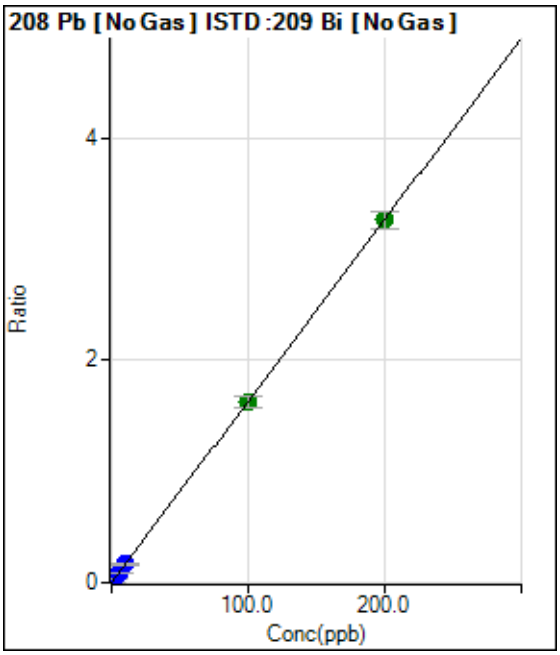


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	580.34	0.0002	P	64.4
2	☐	2.000	2.017	20553.96	0.0074	P	6.4
3	☐	5.000	4.965	48903.13	0.0179	P	3.9
4	☐	10.000	9.942	98169.22	0.0357	P	4.1
5	☐	100.000	97.987	941173.79	0.3503	P	6.8
6	☐	200.000	201.010	1842257.01	0.7184	A	6.0

y = 0.0036 * x + 2.0315E-004
R = 0.9999
DL = 0.1098
BEC = 0.05685

Weight: <None>
Min Conc: <None>

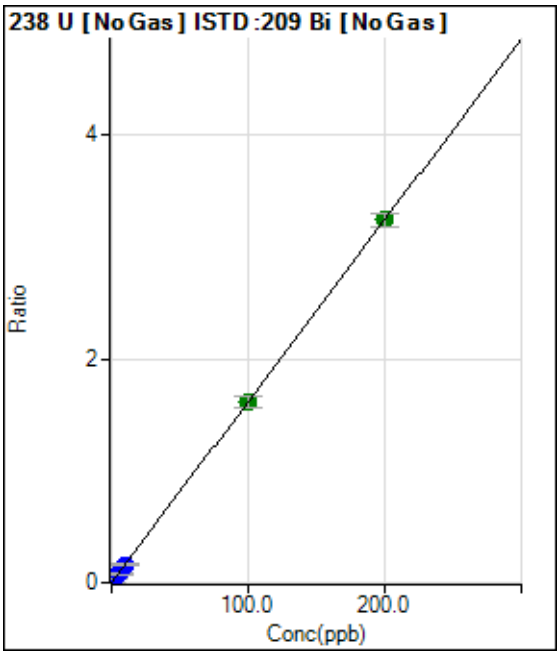
Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1993.76	0.0007	P	12.2
2	☐	2.000	2.038	94103.59	0.0339	P	6.6
3	☐	5.000	5.067	226981.19	0.0833	P	5.3
4	☐	10.000	10.039	451673.11	0.1644	P	4.5
5	☐	100.000	100.013	4383010.12	1.6313	A	6.3
6	☐	200.000	199.990	8364832.64	3.2612	A	4.7

y = 0.0163 * x + 7.1485E-004
R = 1.0000
DL = 0.01598
BEC = 0.04385

Weight: <None>
Min Conc: <None>

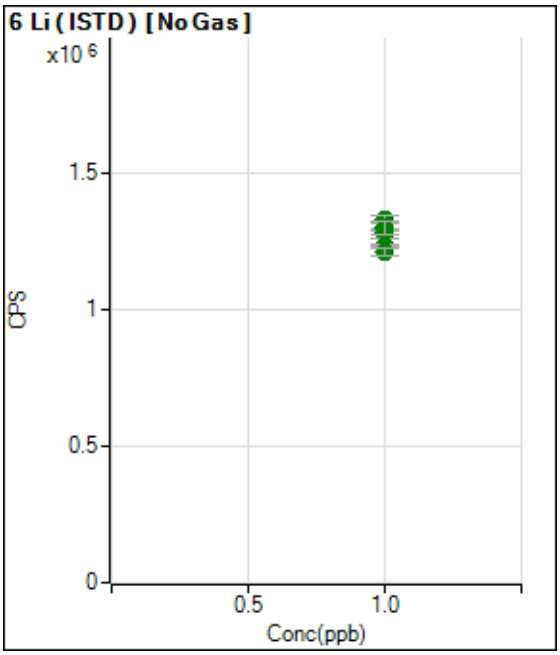


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	380.01	0.0001	P	10.4
2	☐	2.000	1.970	88801.36	0.0320	P	4.9
3	☐	5.000	4.902	216363.98	0.0794	P	5.8
4	☐	10.000	9.923	441443.42	0.1607	P	4.7
5	☐	100.000	99.581	4328848.37	1.6111	A	6.4
6	☐	200.000	200.216	8309604.46	3.2392	A	4.1

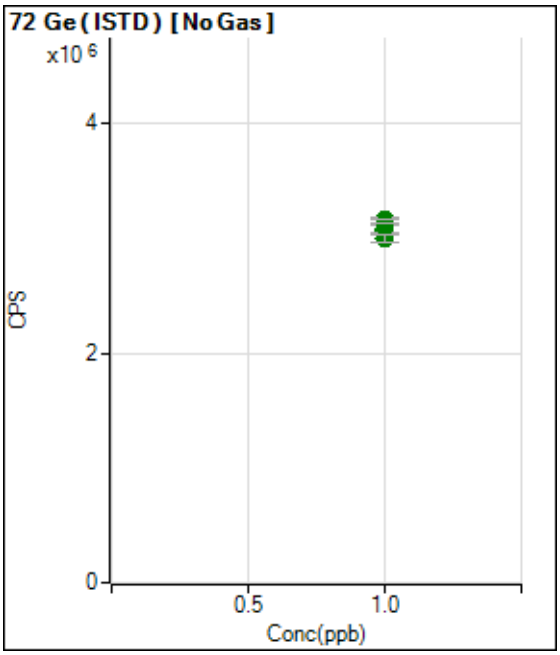
y = 0.0162 * x + 1.3731E-004
R = 1.0000
DL = 0.002639
BEC = 0.008487

Weight: <None>
Min Conc: <None>

Calibration for 026_ICV.d

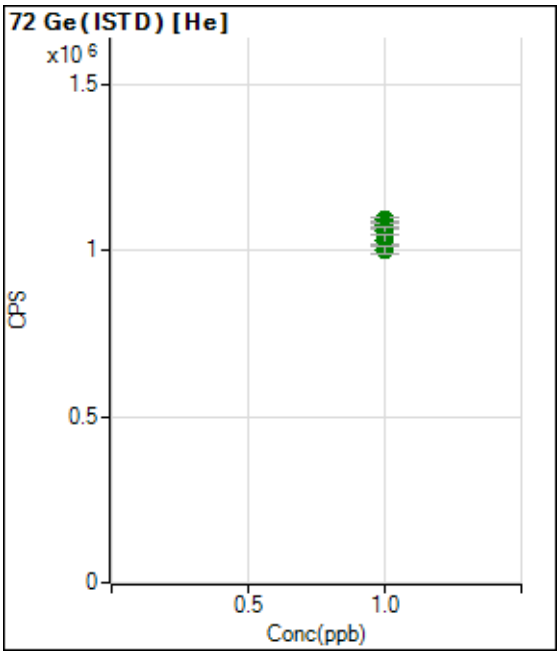


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1326043.40		A	2.3
2	☐	1.000		1298414.14		A	2.1
3	☐	1.000		1277173.79		A	2.5
4	☐	1.000		1296246.48		A	4.2
5	☐	1.000		1233472.13		A	1.0
6	☐	1.000		1210916.93		A	2.2

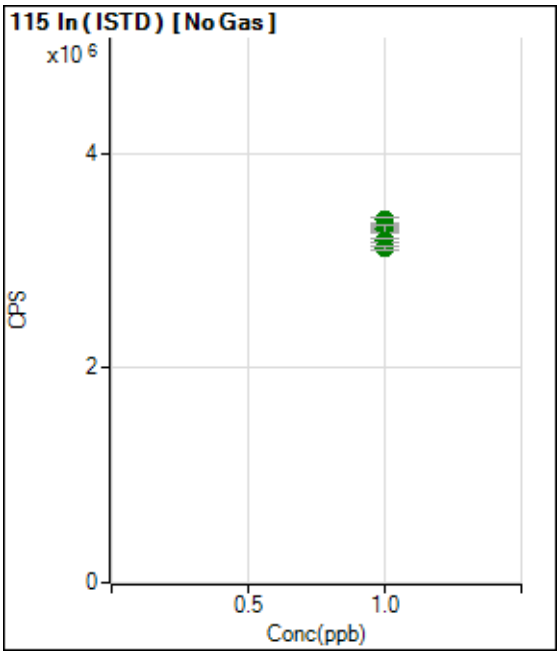


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3159632.76		A	1.9
2	☐	1.000		3138295.58		A	1.2
3	☐	1.000		3070711.31		A	2.9
4	☐	1.000		3088719.43		A	2.9
5	☐	1.000		3039910.06		A	1.0
6	☐	1.000		2998020.68		A	2.3

Calibration for 026_ICV.d

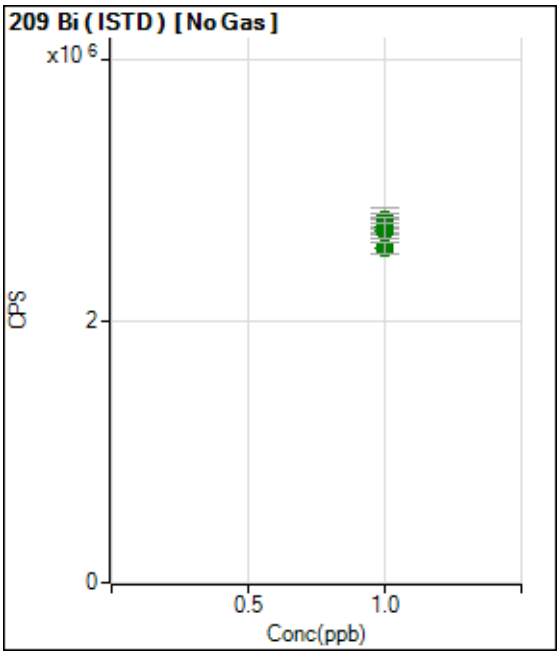


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1091369.41		A	1.0
2	☐	1.000		1070595.66		A	1.6
3	☐	1.000		1074135.01		A	1.4
4	☐	1.000		1060077.30		A	2.2
5	☐	1.000		1032412.51		A	2.9
6	☐	1.000		998523.42		A	2.4



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3381547.15		A	1.8
2	☐	1.000		3302336.92		A	1.1
3	☐	1.000		3308620.95		A	0.6
4	☐	1.000		3292154.85		A	2.1
5	☐	1.000		3194714.78		A	0.9
6	☐	1.000		3118988.61		A	1.3

Calibration for 026_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2779550.53		A	6.7
2	☐	1.000		2777906.10		A	4.1
3	☐	1.000		2728279.91		A	4.5
4	☐	1.000		2750122.56		A	3.1
5	☐	1.000		2691827.83		A	4.4
6	☐	1.000		2567643.56		A	3.3

Sample Report

Sample Table

Sample Name	LLICV5
Data File Name	028LCV5.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T10:27:32-05:00
Sample Type	LLCCV5
Dilution	1
Comment	
ISTD Ref FileName	019CALB.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
Li	7	1	No Gas	5.208	5.208	4.10	172521	0.00	5	
Be	9	1	No Gas	4.886	4.886	3.71	27575	0.02	5	
V	51	2	He	4.646	4.646	2.57	55829	0.01	5	
Cr	52	2	He	5.151	5.151	3.52	99285	0.01	5	
Fe	56	2	He	484.271	484.271	3.15	5104287	0.01	500	
Se	78	2	He	4.801	4.801	6.01	1262	0.38	5	
As	75	2	He	4.747	4.747	1.91	8682	0.05	5	
Ca	44	2	He	491.153	491.153	0.42	47021	1.04	500	
Na	23	2	He	478.430	478.430	3.59	1004046	0.05	500	
Mg	24	2	He	508.396	508.396	2.10	589210	0.09	500	
K	39	2	He	500.271	500.271	1.12	1089768	0.05	500	
Mn	55	2	He	4.926	4.926	3.07	49450	0.01	5	
Co	59	2	He	4.834	4.834	3.40	75087	0.01	5	
Ni	60	2	He	5.266	5.266	3.65	22188	0.02	5	
Cu	63	2	He	4.927	4.927	2.99	46510	0.01	5	
Zn	66	2	He	4.765	4.765	2.86	11742	0.04	5	
Al	27	2	He	5.929	5.929	8.00	9677	0.06	5	
B	11	1	No Gas	28.892	28.892	3.64	110839	0.03	25	
Al	27	1	No Gas	6.648	6.648	5.27	280576	0.00	5	NewName2 Main CR1 Failed
Si	28	1	No Gas	30.090	30.090	4.55	1215757	0.00	25	
Ag	107	1	No Gas	5.237	5.237	4.03	106302	0.00	5	
Cd	111	1	No Gas	5.085	5.085	4.52	20054	0.03	5	
Sr	88	1	No Gas	5.104	5.104	2.47	219389	0.00	5	
Mo	95	1	No Gas	4.964	4.964	2.61	43037	0.01	5	
Sn	118	1	No Gas	5.045	5.045	1.63	62887	0.01	5	
Sb	121	1	No Gas	4.990	4.990	1.57	84116	0.01	5	
Ba	137	1	No Gas	4.863	4.863	4.24	32474	0.01	5	
Tl	205	1	No Gas	4.984	4.984	5.25	150409	0.00	5	
Tl	203	1	No Gas	4.862	4.862	5.79	63669	0.01	5	
Pb	208	1	No Gas	4.973	4.973	6.34	221660	0.00	5	
U	238	1	No Gas	4.829	4.829	5.26	212092	0.00	5	
Ca	43	2	He	462.702	462.702	1.35	2584	17.91	500	
Sb	121	2	He	4.610	4.610	2.45	49166	0.01	5	
Ti	47	2	He	4.812	4.812	7.93	2257	0.21	5	
Cu	63	1	No Gas	5.285	5.285	1.33	91131	0.01	5	
Se	82	1	No Gas	4.969	4.969	13.74	1691	0.29	5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1250859	2.81	1326043	94.33	70	120	
Ge	72	2	He	1076501	2.06	1091369	98.64	70	120	
Ge	72	1	No Gas	3060534	1.99	3159633	96.86	70	120	
In	115	1	No Gas	3203765	1.68	3381547	94.74	70	120	
Bi	209	1	No Gas	2714032	4.16	2779551	97.64	70	120	

Initial Calibration Blank (ICB) Report

Sample Table

Sample Name	ICB
Data File Name	029_ICB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T10:29:27-05:00
Sample Type	ICB
Dilution	1
Comment	
ISTD Ref File Name	019CALB.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
Li	7	1	No Gas	-0.047	-95.9	79683	1.4	0.5	
Be	9	1	No Gas	0.006	113.9	88	42.5	0.5	
V	51	2	He	-0.021	-111.7	5171	2.0	2.5	
Cr	52	2	He	0.291	35.9	41540	2.6	2.5	
Fe	56	2	He	1.917	16.6	73304	3.5	100	
Se	78	2	He	0.104	171.2	277	11.7	1	
As	75	2	He	-0.023	-13.9	397	2.2	2.5	
Ca	44	2	He	-0.755	-445.2	4564	3.9	100	
Na	23	2	He	3.766	54.1	113522	0.4	100	
Mg	24	2	He	0.757	9.3	2464	2.0	100	
K	39	2	He	12.028	27.4	226838	0.5	100	
Mn	55	2	He	0.440	9.1	6358	8.7	2.5	
Co	59	2	He	0.011	43.5	570	11.0	2.5	
Ni	60	2	He	0.232	57.2	3110	17.7	2.5	
Cu	63	2	He	0.055	37.7	2094	6.4	1	
Zn	66	2	He	0.729	15.6	3617	3.7	2.5	
Al	27	2	He	-1.910	-14.0	2630	10.7	5	
B	11	1	No Gas	3.117	9.1	28701	2.0	0.5	ICB Main CR1 Failed
Al	27	1	No Gas	-2.066	-2.7	76101	0.8	5	
Si	28	1	No Gas	5.055	8.2	890547	1.4	10	
Ag	107	1	No Gas	0.008	89.7	560	24.8	2.5	
Cd	111	1	No Gas	-0.009	-38.1	-52	-25.4	1	
Sr	88	1	No Gas	-0.038	-12.5	2994	6.5	2.5	
Mo	95	1	No Gas	0.041	21.4	1183	6.6	2.5	
Sn	118	1	No Gas	0.121	5.3	3147	2.6	5	
Sb	121	1	No Gas	0.027	26.4	770	14.5	2.5	
Ba	137	1	No Gas	-0.016	-32.3	850	4.2	2.5	
Tl	205	1	No Gas	0.043	16.4	1847	14.4	1	
Tl	203	1	No Gas	0.044	39.3	770	34.9	1	
Pb	208	1	No Gas	0.004	112.1	2094	8.4	2.5	
U	238	1	No Gas	0.007	42.1	683	22.0	2.5	
Ca	43	2	He	2.738	273.6	143	29.0	100	
Sb	121	2	He	0.023	24.4	417	11.1	2.5	
Ti	47	2	He	0.044	97.9	30	66.7	2.5	
Se	82	1	No Gas	-0.325	-49.4	28	180.9	1	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1253340	2.43	1326043	94.52	70	120	
Ge	72	2	He	1055075	2.87	1091369	96.67	70	120	
Ge	72	1	No Gas	3054183	1.02	3159633	96.66	70	120	
In	115	1	No Gas	3266138	0.54	3381547	96.59	70	120	
Bi	209	1	No Gas	2710724	5.17	2779551	97.52	70	120	

Sample Report

Sample Table

Sample Name	LLICV2
Data File Name	031LCV2.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T10:51:54-05:00
Sample Type	LLCCV2
Dilution	1
Comment	
ISTD Ref FileName	019CALB.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
Li	7	1	No Gas	2.025	2.025	3.53	127461	0.00	2	
Be	9	1	No Gas	1.962	1.962	1.81	12187	0.02	2	
V	51	2	He	1.951	1.951	1.39	27810	0.01	2	
Cr	52	2	He	2.202	2.202	6.56	67610	0.00	2	
Fe	56	2	He	204.624	204.624	1.46	2284952	0.01	200	
Se	78	2	He	1.999	1.999	8.27	708	0.28	2	
As	75	2	He	1.873	1.873	6.98	3855	0.05	2	
Ca	44	2	He	199.500	199.500	1.18	22866	0.87	200	
Na	23	2	He	209.001	209.001	1.18	521939	0.04	200	
Mg	24	2	He	211.837	211.837	0.87	257312	0.08	200	
K	39	2	He	206.842	206.842	1.02	599145	0.03	200	
Mn	55	2	He	2.077	2.077	2.35	23137	0.01	2	
Co	59	2	He	1.972	1.972	1.12	32242	0.01	2	
Ni	60	2	He	2.363	2.363	6.70	11715	0.02	2	
Cu	63	2	He	2.150	2.150	2.10	22155	0.01	2	
Zn	66	2	He	2.651	2.651	3.86	7859	0.03	2	NewName Main CR1 Failed
Al	27	2	He	1.419	1.419	26.08	5895	0.02	2	
B	11	1	No Gas	10.091	10.091	1.86	55827	0.02	10	
Al	27	1	No Gas	1.538	1.538	10.89	173284	0.00	2	
Si	28	1	No Gas	8.630	8.630	11.41	1011540	0.00	10	
Ag	107	1	No Gas	2.062	2.062	3.14	46014	0.00	2	
Cd	111	1	No Gas	1.995	1.995	1.61	8587	0.02	2	
Sr	88	1	No Gas	1.997	1.997	1.55	96846	0.00	2	
Mo	95	1	No Gas	2.000	2.000	2.75	19481	0.01	2	
Sn	118	1	No Gas	2.016	2.016	3.43	28531	0.01	2	
Sb	121	1	No Gas	2.023	2.023	2.47	36973	0.01	2	
Ba	137	1	No Gas	1.972	1.972	3.92	15006	0.01	2	
Tl	205	1	No Gas	2.037	2.037	3.33	65482	0.00	2	
Tl	203	1	No Gas	1.961	1.961	3.10	27334	0.01	2	
Pb	208	1	No Gas	2.009	2.009	4.07	96093	0.00	2	
U	238	1	No Gas	1.955	1.955	4.84	91216	0.00	2	
Ca	43	2	He	197.405	197.405	11.36	1230	16.05	200	
Sb	121	2	He	1.885	1.885	1.23	21101	0.01	2	
Ti	47	2	He	2.021	2.021	7.84	997	0.20	200	
Cu	63	1	No Gas	2.286	2.286	0.16	44583	0.01	2	
Se	82	1	No Gas	1.866	1.866	9.79	771	0.24	2	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1371734	0.66	1326043	103.45	70	120	
Ge	72	2	He	1123610	0.94	1091369	102.95	70	120	
Ge	72	1	No Gas	3298608	0.78	3159633	104.40	70	120	
In	115	1	No Gas	3501335	1.74	3381547	103.54	70	120	
Bi	209	1	No Gas	2873632	2.79	2779551	103.38	70	120	

Interference Check Solution A (ICS-A) Report

Sample Table

Sample Name	ICSA
Data File Name	032ICSA.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T10:53:50-05:00
Sample Type	ICSA
Dilution	1
Comment	
ISTD Ref File Name	019CALB.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
Li	7	1	No Gas	0.188	78.9	84044	1.5	0	ICSA Main CR1 Failed
Be	9	1	No Gas	0.003	128.1	72	26.4	0	ICSA Main CR1 Failed
V	51	2	He	0.236	8.1	7697	1.9	0	ICSA Main CR1 Failed
Cr	52	2	He	1.683	3.5	55978	1.3	0	ICSA Main CR1 Failed
Fe	56	2	He	94798.765	1.0	943166359	1.5	0	
Se	78	2	He	0.070	99.2	263	4.6	0	ICSA Main CR1 Failed
As	75	2	He	0.287	8.3	899	4.7	0	ICSA Main CR1 Failed
Ca	44	2	He	90367.001	0.7	7426489	1.4	0	
Na	23	2	He	94452.367	0.3	168723061	0.7	0	
Mg	24	2	He	93786.690	1.3	103402075	0.9	0	
K	39	2	He	95109.541	1.0	159669691	1.6	0	
Mn	55	2	He	1.176	6.0	12906	4.3	0	ICSA Main CR1 Failed
Co	59	2	He	0.535	4.0	8273	3.6	0	ICSA Main CR1 Failed
Ni	60	2	He	1.099	5.4	6148	3.4	0	ICSA Main CR1 Failed
Cu	63	2	He	0.885	2.0	9247	1.2	0	ICSA Main CR1 Failed
Zn	66	2	He	2.422	5.8	6745	4.3	0	ICSA Main CR1 Failed
Al	27	2	He	87280.065	0.9	74239084	1.7	0	
B	11	1	No Gas	2.626	4.5	27205	0.4	0	
Al	27	1	No Gas	95168.777	1.4	2164268554	2.0	0	
Si	28	1	No Gas	28.547	3.4	1159671	2.5	0	
Ag	107	1	No Gas	0.174	5.3	3697	4.6	0	ICSA Main CR1 Failed
Cd	111	1	No Gas	0.468	21.1	1727	21.2	0	ICSA Main CR1 Failed
Sr	88	1	No Gas	4.668	2.0	189765	2.0	0	ICSA Main CR1 Failed
Mo	95	1	No Gas	1979.736	2.2	15899586	2.4	0	
Sn	118	1	No Gas	0.089	19.4	2544	7.6	0	ICSA Main CR1 Failed
Sb	121	1	No Gas	0.242	6.8	4257	7.5	0	ICSA Main CR1 Failed
Ba	137	1	No Gas	0.612	2.2	4631	1.4	0	ICSA Main CR1 Failed
Tl	205	1	No Gas	0.025	3.6	1150	3.8	0	ICSA Main CR1 Failed
Tl	203	1	No Gas	0.026	15.7	467	15.8	0	ICSA Main CR1 Failed
Pb	208	1	No Gas	0.199	4.8	9472	2.0	0	ICSA Main CR1 Failed
U	238	1	No Gas	0.014	4.5	877	3.5	0	ICSA Main CR1 Failed
Ca	43	2	He	90819.585	0.7	459260	0.9	0	
Sb	121	2	He	0.216	2.3	2367	2.5	0	ICSA Main CR1 Failed
Ti	47	2	He	1966.579	0.8	876602	1.3	0	
Se	82	1	No Gas	-0.047	-1074.0	110	136.1	0	ICSA Main CR1 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1256387	1.75	1326043	94.75	70	120	
Ge	72	2	He	1026681	0.74	1091369	94.07	70	120	
Ge	72	1	No Gas	2967174	1.43	3159633	93.91	70	120	
In	115	1	No Gas	3023768	0.61	3381547	89.42	70	120	
Bi	209	1	No Gas	2391970	5.64	2779551	86.06	70	120	

Interference Check Solution AB (ICS-AB) Report

Sample Table

Sample Name	ICSAB
Data File Name	033ICSB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T10:55:53-05:00
Sample Type	ICSB
Dilution	1
Comment	
ISTD Ref File Name	019CALB.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
Li	7	1	No Gas	95.839	3.840	1797555	2.54	100	95.8	180	120	ICSB Main CR1 Failed
Be	9	1	No Gas	93.843	2.724	535044	1.40	100	93.8	80	120	
V	51	2	He	93.743	1.496	993790	2.33	100	93.7	80	120	
Cr	52	2	He	95.129	3.209	1121689	0.65	100	95.1	80	120	
Fe	56	2	He	103270.666	3.146	1047988704	1.04	100	103270.7	80	120	
Se	78	2	He	94.780	2.476	19482	1.04	100	94.8	80	120	
As	75	2	He	93.239	2.254	157877	0.97	100	93.2	80	120	
Ca	44	2	He	99543.162	2.985	8345842	2.85	100	99543.2	80	120	
Na	23	2	He	102680.296	2.356	187111277	1.11	100	102680.3	80	120	
Mg	24	2	He	101857.303	2.462	114563942	0.29	100	101857.3	80	120	
K	39	2	He	104120.214	2.159	178306451	1.34	100	104120.2	80	120	
Mn	55	2	He	91.878	3.382	858684	1.06	100	91.9	80	120	
Co	59	2	He	90.410	2.722	1360023	2.19	100	90.4	80	120	
Ni	60	2	He	87.625	2.922	324508	0.37	100	87.6	80	120	
Cu	63	2	He	87.512	1.063	777577	1.58	100	87.5	80	120	
Zn	66	2	He	91.884	1.046	180543	1.59	100	91.9	80	120	
Al	27	2	He	87342.712	2.127	75790179	1.19	100	87342.7	80	120	ICSB Main CR1 Failed
B	11	1	No Gas	475.916	0.804	1555278	1.38	100	475.9	80	120	
Al	27	1	No Gas	92198.688	1.911	2143111648	0.56	100	92198.7	80	120	ICSB Main CR1 Failed
Si	28	1	No Gas	501.347	2.962	7240624	0.87	100	501.3	80	120	
Ag	107	1	No Gas	95.316	3.643	1844486	2.63	100	95.3	80	120	
Cd	111	1	No Gas	96.554	1.937	364455	0.92	100	96.6	80	120	
Sr	88	1	No Gas	103.143	2.831	4157552	2.06	100	103.1	80	120	
Mo	95	1	No Gas	2057.861	3.250	16746246	2.36	100	2057.9	80	120	ICSB Main CR1 Failed
Sn	118	1	No Gas	96.558	2.964	1123397	2.26	100	96.6	80	120	
Sb	121	1	No Gas	97.738	1.702	1627040	0.66	100	97.7	80	120	
Ba	137	1	No Gas	96.980	1.841	602766	0.82	100	97.0	80	120	
Tl	205	1	No Gas	99.874	5.441	2675436	1.34	100	99.9	80	120	
Tl	203	1	No Gas	96.348	5.227	1120685	0.76	100	96.3	80	120	
Pb	208	1	No Gas	97.900	7.216	3852397	2.78	100	97.9	80	120	
U	238	1	No Gas	101.327	5.419	3957339	1.06	100	101.3	80	120	
Ca	43	2	He	99920.494	2.103	515483	1.12	100	99920.5	80	120	
Sb	121	2	He	87.396	2.668	903756	0.49	100	87.4	80	120	
Ti	47	2	He	2108.049	4.727	958279	2.95	100	2108.0	80	120	ICSB Main CR1 Failed
Cu	63	1	No Gas	94.124	1.726	1551701	0.72	100	94.1	80	120	
Se	82	1	No Gas	96.267	2.933	30082	2.73	100	96.3	80	120	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1265469	1.42	1326043	95.43	70	120	
Ge	72	2	He	1047769	2.58	1091369	96.00	70	120	
Ge	72	1	No Gas	3033550	1.95	3159633	96.01	70	120	
In	115	1	No Gas	3064539	1.02	3381547	90.63	70	120	
Bi	209	1	No Gas	2417872	4.57	2779551	86.99	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\062023A.b
Acq Date Time	2023-06-20T12:14:11-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	019CALB.d
n	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
Li	7	1	No Gas	100.411	2.177	2112841	2.00	100	100.4	90	110	
Be	9	1	No Gas	98.047	1.901	628373	1.33	100	98.0	90	110	
V	51	2	He	96.178	1.143	1095785	0.45	100	96.2	90	110	
Cr	52	2	He	97.185	0.569	1231409	0.90	100	97.2	90	110	
Fe	56	2	He	9656.183	1.668	105426205	1.78	10000	96.6	90	110	
Se	78	2	He	95.456	0.524	21094	0.72	100	95.5	90	110	
As	75	2	He	95.187	0.929	173276	0.02	100	95.2	90	110	
Ca	44	2	He	9307.366	1.526	843383	1.51	10000	93.1	90	110	
Na	23	2	He	9727.707	0.813	19162498	1.13	10000	97.3	90	110	
Mg	24	2	He	9743.865	1.764	11784762	1.22	10000	97.4	90	110	
K	39	2	He	9647.765	0.913	17963341	1.40	10000	96.5	90	110	
Mn	55	2	He	96.976	2.750	974408	2.05	100	97.0	90	110	
Co	59	2	He	98.086	0.920	1586291	0.90	100	98.1	90	110	
Ni	60	2	He	96.167	0.657	382752	1.51	100	96.2	90	110	
Cu	63	2	He	98.107	0.880	936882	1.18	100	98.1	90	110	
Zn	66	2	He	98.455	1.573	207780	1.10	100	98.5	90	110	
Al	27	2	He	100.211	1.021	98074	1.48	100	100.2	90	110	
B	11	1	No Gas	509.208	3.478	1868535	2.89	500	101.8	90	110	
Al	27	1	No Gas	105.972	0.549	2867606	2.10	100	106.0	90	110	
Si	28	1	No Gas	576.292	0.379	9091846	2.09	5000	11.5	90	110	CCV Main CR1-2 Failed
Ag	107	1	No Gas	98.535	2.375	2211763	1.21	100	98.5	90	110	
Cd	111	1	No Gas	97.527	3.404	426895	1.65	100	97.5	90	110	
Sr	88	1	No Gas	97.778	2.135	4571647	0.87	100	97.8	90	110	
Mo	95	1	No Gas	96.183	2.299	908682	0.34	100	96.2	90	110	
Sn	118	1	No Gas	98.875	3.921	1333890	2.13	100	98.9	90	110	
Sb	121	1	No Gas	99.417	2.572	1834136	1.58	100	99.4	90	110	
Ba	137	1	No Gas	96.774	3.006	697528	1.23	100	96.8	90	110	
Tl	205	1	No Gas	94.711	8.276	3158062	2.01	100	94.7	90	110	
Tl	203	1	No Gas	94.187	7.385	1364206	1.71	100	94.2	90	110	
Pb	208	1	No Gas	96.098	7.441	4711095	0.67	100	96.1	90	110	
U	238	1	No Gas	95.338	7.853	4635380	1.34	100	95.3	90	110	
Ca	43	2	He	9484.611	0.472	52731	0.50	10000	94.8	90	110	
Sb	121	2	He	95.131	2.276	1057757	2.22	100	95.1	90	110	
Ti	47	2	He	95.355	0.711	46629	0.24	100	95.4	90	110	
Cu	63	1	No Gas	101.137	2.209	1847488	0.39	100	101.1	90	110	
Se	82	1	No Gas	100.309	1.671	34734	1.18	100	100.3	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1422244	0.77	1326043	107.25	70	120	
Ge	72	2	He	1126148	0.90	1091369	103.19	70	120	
Ge	72	1	No Gas	3362133	2.01	3159633	106.41	70	120	
In	115	1	No Gas	3554808	2.00	3381547	105.12	70	120	
Bi	209	1	No Gas	3016513	7.33	2779551	108.53	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\062023A.b
Acq Date Time	2023-06-20T12:15:58-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	019CALB.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
Li	7	1	No Gas	-0.066	-48.6	94278	1.3	0.5	
Be	9	1	No Gas	-0.001	-223.4	58	35.7	0.5	
V	51	2	He	0.102	9.9	7034	0.7	2.5	
Cr	52	2	He	0.185	65.6	43764	2.7	2.5	
Fe	56	2	He	1.029	14.8	69744	1.5	100	
Se	78	2	He	-0.034	-389.8	271	10.4	2	
As	75	2	He	-0.001	-937.5	471	3.3	2.5	
Ca	44	2	He	-16.541	-10.4	3514	5.3	100	
Na	23	2	He	-4.661	-14.6	106504	1.3	100	
Mg	24	2	He	1.572	94.6	3677	49.7	100	
K	39	2	He	-2.485	-7.2	219174	1.1	100	
Mn	55	2	He	0.052	71.8	2934	12.0	2.5	
Co	59	2	He	0.000	-455.8	433	6.7	2.5	
Ni	60	2	He	0.130	17.3	2960	2.9	2.5	
Cu	63	2	He	-0.032	-40.0	1430	8.2	2	
Zn	66	2	He	-0.145	-90.2	2077	14.0	2.5	
Al	27	2	He	-1.859	-7.1	2900	4.5	5	
B	11	1	No Gas	7.677	2.6	51434	3.0	0.5	CCB Main CR1 Failed
Al	27	1	No Gas	-2.408	-2.6	76212	1.5	5	
Si	28	1	No Gas	-0.103	-1346.6	922350	2.1	10	
Ag	107	1	No Gas	0.002	168.4	493	16.4	2.5	
Cd	111	1	No Gas	-0.011	-97.1	-68	-70.5	1	
Sr	88	1	No Gas	-0.042	-7.4	3130	6.5	2.5	
Mo	95	1	No Gas	0.156	9.4	2437	7.6	2.5	
Sn	118	1	No Gas	0.178	4.4	4301	3.1	5	
Sb	121	1	No Gas	0.084	19.0	1940	15.0	2.5	
Ba	137	1	No Gas	-0.048	-28.0	710	14.1	2.5	
Tl	205	1	No Gas	0.509	35.8	18299	43.9	1	
Tl	203	1	No Gas	0.518	29.4	7986	37.9	1	
Pb	208	1	No Gas	-0.001	-323.5	2137	18.0	2.5	
U	238	1	No Gas	0.022	51.4	1530	46.3	2.5	
Ca	43	2	He	-2.934	-206.9	123	28.5	100	
Sb	121	2	He	0.061	10.1	880	7.9	2.5	
Ti	47	2	He	0.019	103.8	20	50.0	2.5	
Cu	63	1	No Gas	-0.021	-33.9	3421	3.8	2.5	
Se	82	1	No Gas	-0.269	-52.5	51	97.6	2	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1488845	1.53	1326043	112.28	70	120	
Ge	72	2	He	1145106	0.95	1091369	104.92	70	120	
Ge	72	1	No Gas	3418800	0.57	3159633	108.20	70	120	
In	115	1	No Gas	3654849	1.73	3381547	108.08	70	120	
Bi	209	1	No Gas	3060759	9.58	2779551	110.12	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\062023A.b
Acq Date Time	2023-06-20T12:38:00-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	019CALB.d
n	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
Li	7	1	No Gas	94.528	2.850	2025862	1.96	100	94.5	90	110	
Be	9	1	No Gas	93.238	1.441	607061	0.93	100	93.2	90	110	
V	51	2	He	92.855	1.638	1061090	2.31	100	92.9	90	110	
Cr	52	2	He	95.777	3.454	1217243	2.68	100	95.8	90	110	
Fe	56	2	He	9645.445	0.932	105587295	0.49	10000	96.5	90	110	
Se	78	2	He	94.554	1.922	20952	1.33	100	94.6	90	110	
As	75	2	He	94.921	1.289	173255	0.95	100	94.9	90	110	
Ca	44	2	He	9290.997	1.085	844195	1.52	10000	92.9	90	110	
Na	23	2	He	9422.537	1.928	18612866	1.22	10000	94.2	90	110	
Mg	24	2	He	9408.198	2.119	11409548	1.87	10000	94.1	90	110	
K	39	2	He	9293.449	0.845	17357788	1.18	10000	92.9	90	110	
Mn	55	2	He	94.761	0.764	954853	0.39	100	94.8	90	110	
Co	59	2	He	98.927	2.758	1604163	2.73	100	98.9	90	110	
Ni	60	2	He	97.275	1.171	388143	0.99	100	97.3	90	110	
Cu	63	2	He	97.949	1.197	937823	0.57	100	97.9	90	110	
Zn	66	2	He	98.226	0.812	207868	0.90	100	98.2	90	110	
Al	27	2	He	97.579	2.488	95861	1.61	100	97.6	90	110	
B	11	1	No Gas	489.109	3.500	1824112	2.79	500	97.8	90	110	
Al	27	1	No Gas	103.097	2.702	2869854	1.72	100	103.1	90	110	
Si	28	1	No Gas	556.239	1.838	9048206	0.86	5000	11.1	90	110	CCV Main CR1-2 Failed
Ag	107	1	No Gas	98.835	2.723	2284740	0.92	100	98.8	90	110	
Cd	111	1	No Gas	98.610	4.104	444535	2.45	100	98.6	90	110	
Sr	88	1	No Gas	97.904	3.534	4713487	1.30	100	97.9	90	110	
Mo	95	1	No Gas	95.701	3.428	931049	1.09	100	95.7	90	110	
Sn	118	1	No Gas	97.411	2.714	1353678	0.31	100	97.4	90	110	
Sb	121	1	No Gas	99.872	1.272	1893575	0.96	100	99.9	90	110	
Ba	137	1	No Gas	96.325	2.529	715119	0.08	100	96.3	90	110	
Tl	205	1	No Gas	95.233	6.946	3244357	0.87	100	95.2	90	110	
Tl	203	1	No Gas	93.077	6.521	1377053	0.76	100	93.1	90	110	
Pb	208	1	No Gas	95.602	8.234	4784446	2.23	100	95.6	90	110	
U	238	1	No Gas	95.528	6.237	4746049	0.48	100	95.5	90	110	
Ca	43	2	He	9385.106	1.300	52316	0.49	10000	93.9	90	110	
Sb	121	2	He	94.577	2.544	1054385	2.33	100	94.6	90	110	
Ti	47	2	He	95.773	2.729	46954	1.92	100	95.8	90	110	
Cu	63	1	No Gas	100.125	2.792	1879525	1.81	100	100.1	90	110	
Se	82	1	No Gas	98.954	0.770	35215	1.36	100	99.0	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1444872	1.17	1326043	108.96	70	120	
Ge	72	2	He	1129157	0.81	1091369	103.46	70	120	
Ge	72	1	No Gas	3454555	1.01	3159633	109.33	70	120	
In	115	1	No Gas	3661499	2.44	3381547	108.28	70	120	
Bi	209	1	No Gas	3078667	6.19	2779551	110.76	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\062023A.b
Acq Date Time	2023-06-20T12:39:48-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	019CALB.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
Li	7	1	No Gas	-0.193	-27.7	93135	0.9	0.5	
Be	9	1	No Gas	0.000	85.0	72	4.0	0.5	
V	51	2	He	0.112	9.0	7142	1.1	2.5	
Cr	52	2	He	0.124	48.9	42964	1.1	2.5	
Fe	56	2	He	0.616	23.3	65088	1.8	100	
Se	78	2	He	-0.060	-345.5	265	17.0	2	
As	75	2	He	0.020	60.6	508	3.8	2.5	
Ca	44	2	He	-20.997	-12.7	3100	7.4	100	
Na	23	2	He	-17.342	-4.1	81156	1.3	100	
Mg	24	2	He	0.565	13.5	2437	4.5	100	
K	39	2	He	-8.755	-10.9	207197	1.0	100	
Mn	55	2	He	0.055	63.6	2967	12.2	2.5	
Co	59	2	He	-0.002	-121.2	403	10.3	2.5	
Ni	60	2	He	0.058	131.0	2667	10.9	2.5	
Cu	63	2	He	-0.038	-22.9	1370	6.4	2	
Zn	66	2	He	-0.045	-281.9	2284	11.3	2.5	
Al	27	2	He	-2.239	-6.5	2537	5.5	5	
B	11	1	No Gas	5.442	6.6	43664	3.5	0.5	CCB Main CR1 Failed
Al	27	1	No Gas	-2.311	-1.9	81766	2.1	5	
Si	28	1	No Gas	-8.232	-3.7	835697	1.3	10	
Ag	107	1	No Gas	0.005	63.6	583	12.4	2.5	
Cd	111	1	No Gas	-0.001	-166.9	-26	-41.5	1	
Sr	88	1	No Gas	-0.052	-11.7	2787	10.4	2.5	
Mo	95	1	No Gas	0.133	12.8	2320	9.1	2.5	
Sn	118	1	No Gas	0.151	14.3	4131	9.3	5	
Sb	121	1	No Gas	0.219	12.4	4648	10.8	2.5	
Ba	137	1	No Gas	-0.055	-30.8	690	17.6	2.5	
Tl	205	1	No Gas	0.567	39.2	20630	43.2	1	
Tl	203	1	No Gas	0.557	40.0	8754	44.4	1	
Pb	208	1	No Gas	0.004	139.8	2437	13.7	2.5	
U	238	1	No Gas	0.015	63.3	1220	45.9	2.5	
Ca	43	2	He	-7.043	-48.7	100	20.0	100	
Sb	121	2	He	0.178	1.6	2197	0.9	2.5	
Ti	47	2	He	0.066	46.9	43	35.3	2.5	
Cu	63	1	No Gas	-0.034	-13.3	3307	3.0	2.5	
Se	82	1	No Gas	0.020	836.0	158	38.6	2	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1513961	0.56	1326043	114.17	70	120	
Ge	72	2	He	1143729	0.70	1091369	104.80	70	120	
Ge	72	1	No Gas	3549115	0.74	3159633	112.33	70	120	
In	115	1	No Gas	3829744	1.66	3381547	113.25	70	120	
Bi	209	1	No Gas	3135802	5.14	2779551	112.82	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\062023A.b
Acq Date Time	2023-06-20T13:02:31-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	019CALB.d
n	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
Li	7	1	No Gas	93.726	1.772	2114067	1.52	100	93.7	90	110	
Be	9	1	No Gas	91.900	1.372	629430	0.85	100	91.9	90	110	
V	51	2	He	93.950	2.565	1089972	2.52	100	94.0	90	110	
Cr	52	2	He	95.735	3.508	1235340	2.14	100	95.7	90	110	
Fe	56	2	He	9631.451	1.994	107052082	1.27	10000	96.3	90	110	
Se	78	2	He	94.769	2.790	21322	2.21	100	94.8	90	110	
As	75	2	He	94.627	2.126	175360	0.42	100	94.6	90	110	
Ca	44	2	He	9278.730	2.416	855947	1.57	10000	92.8	90	110	
Na	23	2	He	9512.466	3.679	19076987	2.85	10000	95.1	90	110	
Mg	24	2	He	9445.957	2.072	11630691	0.72	10000	94.5	90	110	
K	39	2	He	9239.888	2.589	17521032	0.86	10000	92.4	90	110	
Mn	55	2	He	94.748	3.234	969223	1.94	100	94.7	90	110	
Co	59	2	He	98.101	2.651	1615007	1.43	100	98.1	90	110	
Ni	60	2	He	97.724	2.004	395890	0.86	100	97.7	90	110	
Cu	63	2	He	96.982	3.617	942627	1.98	100	97.0	90	110	
Zn	66	2	He	97.970	2.058	210503	1.06	100	98.0	90	110	
Al	27	2	He	100.749	3.627	100405	5.14	100	100.7	90	110	
B	11	1	No Gas	484.567	0.630	1901658	1.62	500	96.9	90	110	
Al	27	1	No Gas	103.169	1.741	2915464	1.85	100	103.2	90	110	
Si	28	1	No Gas	549.277	1.643	9081658	0.77	5000	11.0	90	110	CCV Main CR1-2 Failed
Ag	107	1	No Gas	96.939	1.595	2326680	1.42	100	96.9	90	110	
Cd	111	1	No Gas	98.589	1.587	461536	1.82	100	98.6	90	110	
Sr	88	1	No Gas	95.525	0.181	4775995	1.02	100	95.5	90	110	
Mo	95	1	No Gas	93.766	1.546	947230	0.54	100	93.8	90	110	
Sn	118	1	No Gas	95.927	1.184	1384296	2.07	100	95.9	90	110	
Sb	121	1	No Gas	101.792	1.325	1959229	1.81	100	101.8	90	110	
Ba	137	1	No Gas	97.665	1.334	752832	1.61	100	97.7	90	110	
Tl	205	1	No Gas	94.610	6.293	3314635	1.14	100	94.6	90	110	
Tl	203	1	No Gas	92.328	6.080	1404537	0.76	100	92.3	90	110	
Pb	208	1	No Gas	95.428	4.656	4916707	0.80	100	95.4	90	110	
U	238	1	No Gas	95.802	6.520	4892941	1.31	100	95.8	90	110	
Ca	43	2	He	9182.611	2.742	51972	1.35	10000	91.8	90	110	
Sb	121	2	He	94.303	4.076	1067337	3.16	100	94.3	90	110	
Ti	47	2	He	93.052	3.193	46328	3.17	100	93.1	90	110	
Cu	63	1	No Gas	100.632	2.076	1917627	1.34	100	100.6	90	110	
Se	82	1	No Gas	100.141	2.120	36174	2.58	100	100.1	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1520060	2.00	1326043	114.63	70	120	
Ge	72	2	He	1146636	1.72	1091369	105.06	70	120	
Ge	72	1	No Gas	3506603	0.83	3159633	110.98	70	120	
In	115	1	No Gas	3800239	1.02	3381547	112.38	70	120	
Bi	209	1	No Gas	3164061	5.37	2779551	113.83	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\062023A.b
Acq Date Time	2023-06-20T13:04:19-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	019CALB.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
Li	7	1	No Gas	-0.186	-25.4	97803	0.9	0.5	
Be	9	1	No Gas	-0.005	-13.0	35	14.3	0.5	
V	51	2	He	0.115	19.4	7213	2.9	2.5	
Cr	52	2	He	0.100	88.0	42891	3.5	2.5	
Fe	56	2	He	0.467	15.4	63773	0.9	100	
Se	78	2	He	-0.090	-110.1	259	8.3	2	
As	75	2	He	0.015	248.9	502	13.6	2.5	
Ca	44	2	He	-10.343	-127.4	4104	30.5	100	
Na	23	2	He	-15.721	-4.2	84820	0.8	100	
Mg	24	2	He	0.857	82.7	2815	32.1	100	
K	39	2	He	-6.615	-35.6	212283	1.3	100	
Mn	55	2	He	0.029	53.2	2717	6.0	2.5	
Co	59	2	He	-0.002	-280.1	407	25.2	2.5	
Ni	60	2	He	0.015	342.3	2510	9.4	2.5	
Cu	63	2	He	-0.042	-11.6	1333	3.5	2	
Zn	66	2	He	-0.055	-123.0	2274	5.6	2.5	
Al	27	2	He	-0.052	-7265.8	4618	77.0	5	
B	11	1	No Gas	5.952	3.8	47841	2.3	0.5	CCB Main CR1 Failed
Al	27	1	No Gas	-2.372	-1.5	81843	1.2	5	
Si	28	1	No Gas	-9.456	-7.3	835096	0.7	10	
Ag	107	1	No Gas	0.004	52.1	573	8.1	2.5	
Cd	111	1	No Gas	-0.011	-78.7	-74	-58.6	1	
Sr	88	1	No Gas	-0.048	-7.9	3040	6.9	2.5	
Mo	95	1	No Gas	0.130	18.0	2317	9.8	2.5	
Sn	118	1	No Gas	0.172	16.9	4481	8.9	5	
Sb	121	1	No Gas	0.080	4.6	1984	3.3	2.5	
Ba	137	1	No Gas	-0.055	-29.1	697	17.8	2.5	
Tl	205	1	No Gas	0.609	38.5	22447	43.3	1	
Tl	203	1	No Gas	0.583	43.0	9294	47.7	1	
Pb	208	1	No Gas	-0.002	-154.1	2157	5.4	2.5	
U	238	1	No Gas	0.017	52.8	1340	40.9	2.5	
Ca	43	2	He	2.330	803.1	153	68.5	100	
Sb	121	2	He	0.064	21.0	920	16.4	2.5	
Ti	47	2	He	0.052	58.3	37	41.7	2.5	
Cu	63	1	No Gas	-0.053	-15.8	3014	4.1	2.5	
Se	82	1	No Gas	-0.251	-79.6	61	122.0	2	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1587310	1.64	1326043	119.70	70	120	
Ge	72	2	He	1149746	0.91	1091369	105.35	70	120	
Ge	72	1	No Gas	3626605	1.31	3159633	114.78	70	120	
In	115	1	No Gas	3880944	0.72	3381547	114.77	70	120	
Bi	209	1	No Gas	3178451	5.78	2779551	114.35	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\062023A.b
Acq Date Time	2023-06-20T13:31:22-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	019CALB.d
n	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
Li	7	1	No Gas	98.033	3.549	2098806	1.61	100	98.0	90	110	
Be	9	1	No Gas	96.094	2.666	626061	1.46	100	96.1	90	110	
V	51	2	He	96.210	2.226	1049122	1.31	100	96.2	90	110	
Cr	52	2	He	97.565	3.041	1182975	2.28	100	97.6	90	110	
Fe	56	2	He	9782.523	2.910	102212392	1.87	10000	97.8	90	110	
Se	78	2	He	96.694	1.340	20449	0.98	100	96.7	90	110	
As	75	2	He	98.661	1.029	171897	1.07	100	98.7	90	110	
Ca	44	2	He	9756.943	3.308	845953	2.82	10000	97.6	90	110	
Na	23	2	He	9766.396	2.248	18411561	1.02	10000	97.7	90	110	
Mg	24	2	He	9773.264	0.583	11315402	1.46	10000	97.7	90	110	
K	39	2	He	9556.253	0.946	17031984	0.55	10000	95.6	90	110	
Mn	55	2	He	96.681	2.090	929865	1.23	100	96.7	90	110	
Co	59	2	He	102.664	1.990	1589104	1.44	100	102.7	90	110	
Ni	60	2	He	100.743	1.095	383648	0.20	100	100.7	90	110	
Cu	63	2	He	102.850	1.070	939982	0.18	100	102.9	90	110	
Zn	66	2	He	102.845	0.320	207670	1.28	100	102.8	90	110	
Al	27	2	He	103.410	0.394	96731	1.14	100	103.4	90	110	
B	11	1	No Gas	497.465	1.639	1856658	1.83	500	99.5	90	110	
Al	27	1	No Gas	104.387	0.798	2841221	1.48	100	104.4	90	110	
Si	28	1	No Gas	560.487	1.661	8912042	1.16	5000	11.2	90	110	CCV Main CR1-2 Failed
Ag	107	1	No Gas	98.528	0.264	2207246	1.21	100	98.5	90	110	
Cd	111	1	No Gas	102.371	0.430	447301	1.47	100	102.4	90	110	
Sr	88	1	No Gas	97.834	0.812	4564965	0.70	100	97.8	90	110	
Mo	95	1	No Gas	97.545	3.812	919482	2.61	100	97.5	90	110	
Sn	118	1	No Gas	99.006	0.838	1333263	0.66	100	99.0	90	110	
Sb	121	1	No Gas	102.336	2.115	1897834	0.97	100	102.3	90	110	
Ba	137	1	No Gas	101.873	0.898	732831	0.71	100	101.9	90	110	
Tl	205	1	No Gas	97.566	6.716	3198384	1.29	100	97.6	90	110	
Tl	203	1	No Gas	96.133	5.386	1368971	1.02	100	96.1	90	110	
Pb	208	1	No Gas	97.703	7.085	4706784	1.57	100	97.7	90	110	
U	238	1	No Gas	98.666	6.542	4715979	1.35	100	98.7	90	110	
Ca	43	2	He	9654.365	3.248	51363	2.03	10000	96.5	90	110	
Sb	121	2	He	97.441	0.692	1037090	1.35	100	97.4	90	110	
Ti	47	2	He	98.959	0.130	46322	1.22	100	99.0	90	110	
Cu	63	1	No Gas	99.260	1.411	1822888	0.22	100	99.3	90	110	
Se	82	1	No Gas	101.700	0.584	35399	0.76	100	101.7	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1446095	1.81	1326043	109.05	70	120	
Ge	72	2	He	1077946	1.23	1091369	98.77	70	120	
Ge	72	1	No Gas	3379347	1.22	3159633	106.95	70	120	
In	115	1	No Gas	3546927	1.39	3381547	104.89	70	120	
Bi	209	1	No Gas	2961155	5.44	2779551	106.53	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\062023A.b
Acq Date Time	2023-06-20T13:33:10-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	019CALB.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
Li	7	1	No Gas	-0.045	-188.9	97553	1.2	0.5	
Be	9	1	No Gas	0.103	63.7	780	56.9	0.5	
V	51	2	He	0.127	3.5	7017	1.4	2.5	
Cr	52	2	He	0.227	36.6	42416	1.6	2.5	
Fe	56	2	He	3.743	4.5	95647	2.6	100	
Se	78	2	He	0.130	83.4	294	7.1	2	
As	75	2	He	0.044	47.5	530	6.4	2.5	
Ca	44	2	He	-14.543	-17.8	3541	7.1	100	
Na	23	2	He	-12.889	-3.6	86309	1.0	100	
Mg	24	2	He	3.633	12.7	5951	9.8	100	
K	39	2	He	3.159	2.9	220008	0.7	100	
Mn	55	2	He	0.052	11.2	2820	2.7	2.5	
Co	59	2	He	0.025	51.9	813	25.1	2.5	
Ni	60	2	He	0.083	43.0	2654	4.5	2.5	
Cu	63	2	He	-0.005	-90.6	1617	2.3	2	
Zn	66	2	He	-0.024	-115.2	2234	3.0	2.5	
Al	27	2	He	-1.911	-6.5	2730	4.8	5	
B	11	1	No Gas	8.224	10.2	55091	5.1	0.5	CCB Main CR1 Failed
Al	27	1	No Gas	-2.144	-4.0	83162	3.1	5	
Si	28	1	No Gas	-6.426	-9.0	831226	1.5	10	
Ag	107	1	No Gas	0.101	50.2	2807	42.8	2.5	
Cd	111	1	No Gas	0.093	60.8	403	64.1	1	
Sr	88	1	No Gas	0.068	79.0	8510	31.4	2.5	
Mo	95	1	No Gas	0.208	24.5	2960	17.6	2.5	
Sn	118	1	No Gas	0.319	26.1	6292	19.0	5	
Sb	121	1	No Gas	0.194	37.3	4001	34.3	2.5	
Ba	137	1	No Gas	0.058	91.3	1503	26.8	2.5	
Tl	205	1	No Gas	0.720	34.5	25339	39.6	1	
Tl	203	1	No Gas	0.687	40.5	10482	45.6	1	
Pb	208	1	No Gas	0.099	43.7	7191	35.5	2.5	
U	238	1	No Gas	0.119	43.2	6422	46.4	2.5	
Ca	43	2	He	25.682	127.9	273	65.9	100	
Sb	121	2	He	0.074	13.0	983	11.3	2.5	
Ti	47	2	He	0.091	35.6	53	28.6	2.5	
Cu	63	1	No Gas	0.069	53.4	5094	13.8	2.5	
Se	82	1	No Gas	-0.068	-445.7	121	87.9	2	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1533753	2.35	1326043	115.66	70	120	
Ge	72	2	He	1096661	0.74	1091369	100.48	70	120	
Ge	72	1	No Gas	3419324	0.55	3159633	108.22	70	120	
In	115	1	No Gas	3672847	0.96	3381547	108.61	70	120	
Bi	209	1	No Gas	3055303	5.80	2779551	109.92	70	120	

Sample Report

Sample Table

Sample Name	MBLK-195358
Data File Name	110SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T13:53:24-05:00
Sample Type	Sample
Dilution	1
Comment	TW B 195358
ISTD Ref FileName	019CALB.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
Li	7	1	No Gas	-0.100	-0.100	-61.91	95731	0.00	2000	
Be	9	1	No Gas	-0.003	-0.003	-97.63	47	-0.01	2000	
V	51	2	He	0.110	0.110	9.77	6871	0.00	2000	
Cr	52	2	He	0.041	0.041	434.83	40453	0.00	2000	
Fe	56	2	He	0.589	0.589	44.91	62531	0.00	200000	
Se	78	2	He	0.086	0.086	145.92	287	0.03	2000	
As	75	2	He	0.019	0.019	118.38	489	0.00	2000	
Ca	44	2	He	82.864	82.864	7.02	12162	0.68	200000	
Na	23	2	He	-5.932	-5.932	-20.85	100245	-0.01	200000	
Mg	24	2	He	1.034	1.034	11.24	2907	0.04	200000	
K	39	2	He	7.737	7.737	36.80	229734	0.00	200000	
Mn	55	2	He	0.146	0.146	16.76	3761	0.00	2000	
Co	59	2	He	-0.004	-0.004	-49.76	353	0.00	2000	
Ni	60	2	He	-0.105	-0.105	-63.66	1940	-0.01	2000	
Cu	63	2	He	0.005	0.005	461.71	1720	0.00	2000	
Zn	66	2	He	2.093	2.093	11.21	6575	0.03	2000	
Al	27	2	He	0.562	0.562	80.92	5004	0.01	2000	
B	11	1	No Gas	4.963	4.963	1.10	42074	0.01	2000	
Al	27	1	No Gas	1.672	1.672	121.65	183492	0.00	2000	
Si	28	1	No Gas	-6.126	-6.126	-4.29	836946	0.00	2000	
Ag	107	1	No Gas	-0.007	-0.007	-57.59	300	0.00	2000	
Cd	111	1	No Gas	-0.006	-0.006	-71.73	-44	0.01	2000	
Sr	88	1	No Gas	0.003	0.003	86.63	5304	0.00	2000	
Mo	95	1	No Gas	0.182	0.182	92.21	2695	0.01	2000	
Sn	118	1	No Gas	0.234	0.234	11.33	5091	0.00	2000	
Sb	121	1	No Gas	0.015	0.015	22.76	647	0.00	2000	
Ba	137	1	No Gas	-0.062	-0.062	-18.94	610	-0.01	2000	
Tl	205	1	No Gas	0.034	0.034	7.32	1834	0.00	2000	
Tl	203	1	No Gas	0.034	0.034	13.26	743	0.00	2000	
Pb	208	1	No Gas	-0.013	-0.013	-21.60	1570	0.00	2000	
U	238	1	No Gas	-0.003	-0.003	-60.79	300	0.00	2000	
Ca	43	2	He	86.951	86.951	20.28	607	14.33	200000	
Sb	121	2	He	0.010	0.010	66.92	290	0.00	2000	
Ti	47	2	He	0.007	0.007	181.91	13	0.05	2000	
Cu	63	1	No Gas	0.000	0.000	3020.08	3827	0.00	2000	
Zn	66	1	No Gas	2.223	2.223	5.40	16918	0.01	2000	
Se	82	1	No Gas	-0.203	-0.203	-100.18	74	-0.27	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1523501	2.16	1326043	114.89	70	120	
Ge	72	2	He	1104472	2.89	1091369	101.20	70	120	

Sample Report

Ge	72	1	No Gas	3425125	0.29	3159633	108.40	70	120	
In	115	1	No Gas	3662167	0.16	3381547	108.30	70	120	
Bi	209	1	No Gas	3151200	12.01	2779551	113.37	70	120	

Sample Report

Sample Table

Sample Name	LCS-195358
Data File Name	111SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T13:55:21-05:00
Sample Type	Sample
Dilution	1
Comment	TW B 195358
ISTD Ref FileName	019CALB.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
Li	7	1	No Gas	90.704	90.704	1.09	2054213	0.00	2000	
Be	9	1	No Gas	45.419	45.419	0.28	311891	0.01	2000	
V	51	2	He	46.101	46.101	0.09	542365	0.01	2000	
Cr	52	2	He	45.551	45.551	0.41	614803	0.01	2000	
Fe	56	2	He	4603.929	4603.929	1.37	51635708	0.01	200000	
Se	78	2	He	47.302	47.302	1.88	10873	0.44	2000	
As	75	2	He	46.393	46.393	0.51	86953	0.05	2000	
Ca	44	2	He	4822.936	4822.936	0.84	451152	1.07	200000	
Na	23	2	He	4640.316	4640.316	1.01	9445900	0.05	200000	
Mg	24	2	He	4646.307	4646.307	0.31	5770789	0.08	200000	
K	39	2	He	4552.477	4552.477	1.72	8821985	0.05	200000	
Mn	55	2	He	46.833	46.833	0.99	484442	0.01	2000	
Co	59	2	He	47.619	47.619	0.75	790901	0.01	2000	
Ni	60	2	He	47.589	47.589	1.07	195701	0.02	2000	
Cu	63	2	He	49.041	49.041	0.12	481686	0.01	2000	
Zn	66	2	He	49.149	49.149	0.97	107702	0.05	2000	
Al	27	2	He	90.080	90.080	0.96	90987	0.10	2000	
B	11	1	No Gas	461.920	461.920	0.32	1818134	0.03	2000	
Al	27	1	No Gas	95.764	95.764	0.74	2707950	0.00	2000	
Si	28	1	No Gas	533.845	533.845	0.14	8825714	0.01	2000	
Ag	107	1	No Gas	47.768	47.768	0.82	1111848	0.00	2000	
Cd	111	1	No Gas	50.148	50.148	2.15	227593	0.02	2000	
Sr	88	1	No Gas	93.735	93.735	1.88	4543527	0.00	2000	
Mo	95	1	No Gas	47.415	47.415	1.27	464882	0.01	2000	
Sn	118	1	No Gas	93.256	93.256	1.71	1304641	0.01	2000	
Sb	121	1	No Gas	49.855	49.855	0.93	956678	0.01	2000	
Ba	137	1	No Gas	48.147	48.147	1.05	360371	0.01	2000	
Tl	205	1	No Gas	41.340	41.340	7.04	1433100	0.00	2000	
Tl	203	1	No Gas	41.569	41.569	8.09	625275	0.01	2000	
Pb	208	1	No Gas	45.890	45.890	9.28	2336056	0.00	2000	
U	238	1	No Gas	90.786	90.786	6.53	4588233	0.00	2000	
Ca	43	2	He	4888.086	4888.086	2.38	27972	17.47	200000	
Sb	121	2	He	45.297	45.297	0.19	517208	0.01	2000	
Ti	47	2	He	138.432	138.432	0.71	69495	0.20	2000	
Cu	63	1	No Gas	50.435	50.435	2.67	959916	0.01	2000	
Zn	66	1	No Gas	50.978	50.978	0.52	267388	0.02	2000	
Se	82	1	No Gas	50.403	50.403	1.32	18221	0.28	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1523592	1.03	1326043	114.90	70	120	
Ge	72	2	He	1156177	0.55	1091369	105.94	70	120	
Ge	72	1	No Gas	3495506	1.05	3159633	110.63	70	120	
In	115	1	No Gas	3684566	0.79	3381547	108.96	70	120	

Sample Report

Bi	209	1	No Gas	3133853	7.51	2779551	112.75	70	120	

Sample Report

Sample Table

Sample Name	HS23060391-02SD
Data File Name	115SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T14:12:32-05:00
Sample Type	Sample
Dilution	25
Comment	TW B 195358
ISTD Ref FileName	019CALB.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
Li	7	1	No Gas	47.579	1189.478	1.11	1176217	0.00	2000	
Be	9	1	No Gas	-0.008	-0.198	-8.88	15	-0.05	2000	
V	51	2	He	0.490	12.254	5.43	12346	0.00	2000	
Cr	52	2	He	0.132	3.288	53.24	46231	0.00	2000	
Fe	56	2	He	6.900	172.509	3.24	144673	0.00	200000	
Se	78	2	He	3.924	98.102	5.66	1232	0.32	2000	
As	75	2	He	0.051	1.280	56.54	608	0.01	2000	
Ca	44	2	He	19125.306	478132.642	1.33	1884291	1.01	200000	
Na	23	2	He	77769.738	1944243.448	0.47	166205298	0.05	200000	
Mg	24	2	He	44523.219	1113080.477	0.59	58723066	0.08	200000	
K	39	2	He	1113.097	27827.430	0.77	2472492	0.05	200000	
Mn	55	2	He	31.457	786.428	0.33	346504	0.01	2000	
Co	59	2	He	0.270	6.760	8.21	5241	0.01	2000	
Ni	60	2	He	11.530	288.250	1.47	52344	0.02	2000	
Cu	63	2	He	-0.041	-1.013	-2.73	1443	0.00	2000	
Zn	66	2	He	0.370	9.248	24.54	3397	0.01	2000	
Al	27	2	He	-0.309	-7.734	-787.62	4679	-0.01	2000	
B	11	1	No Gas	59.799	1494.987	1.70	267051	0.02	2000	
Al	27	1	No Gas	-1.848	-46.189	-27.63	101636	0.00	2000	
Si	28	1	No Gas	250.816	6270.403	1.58	5086357	0.00	2000	
Ag	107	1	No Gas	-0.003	-0.069	-87.06	410	0.00	2000	
Cd	111	1	No Gas	-0.008	-0.205	-54.99	-59	0.01	2000	
Sr	88	1	No Gas	508.979	12724.470	2.39	25937266	0.00	2000	
Mo	95	1	No Gas	0.080	2.000	38.50	1800	0.00	2000	
Sn	118	1	No Gas	0.048	1.196	60.63	2654	0.00	2000	
Sb	121	1	No Gas	0.003	0.083	134.81	473	0.00	2000	
Ba	137	1	No Gas	0.347	8.663	2.26	3854	0.01	2000	
Tl	205	1	No Gas	-0.007	-0.187	-17.47	370	0.00	2000	
Tl	203	1	No Gas	-0.007	-0.175	-32.46	110	-0.01	2000	
Pb	208	1	No Gas	-0.015	-0.386	-4.53	1417	0.00	2000	
U	238	1	No Gas	1.118	27.940	6.08	55620	0.00	2000	
Ca	43	2	He	19822.250	495556.248	0.84	120026	16.51	200000	
Sb	121	2	He	0.006	0.152	71.73	280	0.00	2000	
Ti	47	2	He	0.073	1.814	89.02	50	0.15	2000	
Cu	63	1	No Gas	0.507	12.682	3.46	14798	0.00	2000	
Zn	66	1	No Gas	1.126	28.138	7.88	12736	0.01	2000	
Se	82	1	No Gas	4.735	118.366	2.70	2021	0.23	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1594454	1.33	1326043	120.24	70	120	ISTD Failed
Ge	72	2	He	1228147	0.51	1091369	112.53	70	120	
Ge	72	1	No Gas	3825984	1.04	3159633	121.09	70	120	ISTD Failed
In	115	1	No Gas	3877621	1.61	3381547	114.67	70	120	

Sample Report

Bi	209	1	No Gas	3061957	7.37	2779551	110.16	70	120	

Sample Report

Sample Table

Sample Name	HS23060391-02MS
Data File Name	116SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T14:14:29-05:00
Sample Type	Sample
Dilution	5
Comment	TW B 195358
ISTD Ref FileName	019CALB.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
Li	7	1	No Gas	244.607	1223.035	1.41	5138261	0.00	2000	
Be	9	1	No Gas	9.193	45.967	1.86	60428	0.02	2000	
V	51	2	He	10.256	51.282	0.88	130297	0.01	2000	
Cr	52	2	He	9.746	48.731	0.75	171067	0.01	2000	
Fe	56	2	He	952.231	4761.155	0.77	11157690	0.01	200000	
Se	78	2	He	28.915	144.577	0.60	7028	0.41	2000	
As	75	2	He	9.634	48.171	1.48	19175	0.05	2000	
Ca	44	2	He	88674.983	443374.915	2.70	8535097	1.04	200000	
Na	23	2	He	365970.394	1829851.969	0.74	765402282	0.05	200000	>LDR
Mg	24	2	He	208400.608	1042003.039	1.28	269136623	0.08	200000	>LDR
K	39	2	He	6037.019	30185.097	1.65	12090757	0.05	200000	
Mn	55	2	He	152.546	762.728	1.52	1635525	0.01	2000	
Co	59	2	He	10.467	52.334	1.04	181189	0.01	2000	
Ni	60	2	He	63.213	316.067	0.57	269542	0.02	2000	
Cu	63	2	He	9.132	45.662	1.06	94790	0.01	2000	
Zn	66	2	He	10.060	50.300	4.49	24917	0.04	2000	
Al	27	2	He	17.189	85.947	2.69	22021	0.08	2000	
B	11	1	No Gas	358.212	1791.059	1.30	1353193	0.03	2000	
Al	27	1	No Gas	18.037	90.186	0.53	647796	0.00	2000	
Si	28	1	No Gas	1336.299	6681.496	1.55	21403694	0.01	2000	
Ag	107	1	No Gas	9.488	47.440	1.18	218903	0.00	2000	
Cd	111	1	No Gas	9.599	47.994	0.18	43095	0.02	2000	
Sr	88	1	No Gas	2428.066	12140.328	0.72	116340912	0.00	2000	>LDR
Mo	95	1	No Gas	10.183	50.916	0.25	99523	0.01	2000	
Sn	118	1	No Gas	19.402	97.008	0.47	270058	0.01	2000	
Sb	121	1	No Gas	9.632	48.158	1.13	191677	0.01	2000	
Ba	137	1	No Gas	11.436	57.179	2.10	85518	0.01	2000	
Tl	205	1	No Gas	9.158	45.792	6.96	286227	0.00	2000	
Tl	203	1	No Gas	8.871	44.356	6.18	120380	0.01	2000	
Pb	208	1	No Gas	9.524	47.622	6.87	438557	0.00	2000	
U	238	1	No Gas	25.520	127.601	5.80	1161547	0.00	2000	
Ca	43	2	He	94594.850	472974.248	1.79	560305	16.88	200000	
Sb	121	2	He	8.650	43.250	2.12	102888	0.01	2000	
Ti	47	2	He	28.125	140.624	1.23	14695	0.19	2000	
Cu	63	1	No Gas	11.874	59.369	1.39	237135	0.01	2000	
Zn	66	1	No Gas	12.970	64.851	2.57	74967	0.02	2000	
Se	82	1	No Gas	34.328	171.638	4.03	12901	0.27	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1457048	1.91	1326043	109.88	70	120	
Ge	72	2	He	1202620	0.65	1091369	110.19	70	120	
Ge	72	1	No Gas	3619270	1.54	3159633	114.55	70	120	
In	115	1	No Gas	3645878	0.66	3381547	107.82	70	120	
Bi	209	1	No Gas	2818816	5.91	2779551	101.41	70	120	

Sample Report

Sample Table

Sample Name	HS23060391-02MSD
Data File Name	117SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T14:16:26-05:00
Sample Type	Sample
Dilution	5
Comment	TW B 195358
ISTD Ref FileName	019CALB.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
Li	7	1	No Gas	240.563	1202.817	3.25	5050133	0.00	2000	
Be	9	1	No Gas	9.084	45.418	2.41	59661	0.02	2000	
V	51	2	He	10.537	52.686	1.78	129149	0.01	2000	
Cr	52	2	He	10.118	50.591	0.96	169955	0.01	2000	
Fe	56	2	He	967.640	4838.202	1.34	10951784	0.01	200000	
Se	78	2	He	29.863	149.314	5.95	7000	0.43	2000	
As	75	2	He	9.740	48.698	3.17	18720	0.05	2000	
Ca	44	2	He	91847.443	459237.217	1.80	8540683	1.08	200000	
Na	23	2	He	375892.976	1879464.882	0.73	759478655	0.05	200000	>LDR
Mg	24	2	He	215068.878	1075344.389	2.98	268283449	0.08	200000	>LDR
K	39	2	He	6208.217	31041.083	1.26	12005279	0.05	200000	
Mn	55	2	He	156.912	784.562	1.93	1625264	0.01	2000	
Co	59	2	He	10.715	53.575	0.88	179170	0.01	2000	
Ni	60	2	He	63.647	318.234	0.99	262155	0.02	2000	
Cu	63	2	He	9.361	46.805	1.60	93812	0.01	2000	
Zn	66	2	He	10.082	50.411	1.11	24122	0.04	2000	
Al	27	2	He	22.825	114.126	17.48	26720	0.09	2000	
B	11	1	No Gas	361.776	1808.882	2.57	1365473	0.03	2000	
Al	27	1	No Gas	19.196	95.981	2.19	656590	0.00	2000	
Si	28	1	No Gas	1379.991	6899.954	1.09	21314264	0.01	2000	
Ag	107	1	No Gas	9.624	48.118	0.98	214218	0.00	2000	
Cd	111	1	No Gas	9.861	49.305	1.80	42722	0.02	2000	
Sr	88	1	No Gas	2506.764	12533.821	1.44	115885145	0.00	2000	>LDR
Mo	95	1	No Gas	10.481	52.407	2.62	98798	0.01	2000	
Sn	118	1	No Gas	19.995	99.973	1.55	268485	0.01	2000	
Sb	121	1	No Gas	9.952	49.760	1.88	191233	0.01	2000	
Ba	137	1	No Gas	11.711	58.553	1.76	84457	0.01	2000	
Tl	205	1	No Gas	9.516	47.581	7.18	279672	0.00	2000	
Tl	203	1	No Gas	9.153	45.766	8.28	116712	0.01	2000	
Pb	208	1	No Gas	9.898	49.488	7.64	428426	0.00	2000	
U	238	1	No Gas	26.485	132.425	7.09	1133317	0.00	2000	
Ca	43	2	He	97097.963	485489.815	1.63	555573	17.48	200000	
Sb	121	2	He	8.690	43.451	2.39	99852	0.01	2000	
Ti	47	2	He	30.561	152.804	3.60	15422	0.20	2000	
Cu	63	1	No Gas	12.399	61.994	1.41	238924	0.01	2000	
Zn	66	1	No Gas	13.354	66.770	1.45	74360	0.02	2000	
Se	82	1	No Gas	34.830	174.148	3.51	12637	0.28	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1456580	3.32	1326043	109.84	70	120	
Ge	72	2	He	1161837	1.16	1091369	106.46	70	120	
Ge	72	1	No Gas	3495073	0.89	3159633	110.62	70	120	
In	115	1	No Gas	3518090	1.48	3381547	104.04	70	120	
Bi	209	1	No Gas	2652714	7.15	2779551	95.44	70	120	

Sample Report

Sample Table

Sample Name	HS23060391-02PDS
Data File Name	118SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T14:18:23-05:00
Sample Type	Sample
Dilution	5
Comment	TW B 195358
ISTD Ref FileName	019CALB.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
Li	7	1	No Gas	224.411	1122.055	2.17	4643455	0.00	2000	
Be	9	1	No Gas	97.458	487.290	3.04	629180	0.02	2000	
V	51	2	He	102.179	510.893	1.75	1214670	0.01	2000	
Cr	52	2	He	98.603	493.017	1.13	1303350	0.01	2000	
Fe	56	2	He	10008.919	50044.597	1.12	114052695	0.01	200000	
Se	78	2	He	122.850	614.252	0.65	28253	0.43	2000	
As	75	2	He	103.222	516.111	1.01	196084	0.05	2000	
Ca	44	2	He	97257.484	486287.422	0.40	9149390	1.06	200000	
Na	23	2	He	374210.585	1871052.924	0.42	764883615	0.05	200000	>LDR
Mg	24	2	He	220339.773	1101698.864	0.63	278111969	0.08	200000	>LDR
K	39	2	He	15129.940	75649.701	0.32	29269638	0.05	200000	
Mn	55	2	He	238.418	1192.089	2.03	2497071	0.01	2000	
Co	59	2	He	101.710	508.549	1.39	1716830	0.01	2000	
Ni	60	2	He	152.189	760.943	1.12	630704	0.02	2000	
Cu	63	2	He	97.446	487.229	0.22	971221	0.01	2000	
Zn	66	2	He	97.901	489.505	0.96	215666	0.05	2000	
Al	27	2	He	94.813	474.063	2.72	97108	0.10	2000	
B	11	1	No Gas	268.972	1344.858	2.57	1004418	0.03	2000	
Al	27	1	No Gas	98.176	490.880	0.61	2852831	0.00	2000	
Si	28	1	No Gas	1242.745	6213.723	0.36	19849815	0.01	2000	
Ag	107	1	No Gas	101.125	505.626	1.24	2262289	0.00	2000	
Cd	111	1	No Gas	105.515	527.574	0.17	460412	0.02	2000	
Sr	88	1	No Gas	2440.784	12203.918	0.66	113617278	0.00	2000	>LDR
Mo	95	1	No Gas	108.232	541.160	1.04	1019057	0.01	2000	
Sn	118	1	No Gas	0.099	0.494	24.52	3110	0.00	2000	
Sb	121	1	No Gas	96.312	481.559	1.07	1901449	0.01	2000	
Ba	137	1	No Gas	107.725	538.625	0.80	773870	0.01	2000	
Tl	205	1	No Gas	108.935	544.675	5.13	3332142	0.00	2000	
Tl	203	1	No Gas	107.497	537.485	7.05	1426840	0.01	2000	
Pb	208	1	No Gas	101.124	505.620	6.50	4544162	0.00	2000	
U	238	1	No Gas	5.324	26.622	5.93	237742	0.00	2000	
Ca	43	2	He	102031.843	510159.216	0.80	590662	17.27	200000	
Sb	121	2	He	88.407	442.037	0.75	1025999	0.01	2000	
Ti	47	2	He	103.651	518.253	0.88	52902	0.20	2000	
Cu	63	1	No Gas	100.777	503.887	1.19	1970071	0.01	2000	
Zn	66	1	No Gas	105.044	525.219	0.82	560543	0.02	2000	
Se	82	1	No Gas	134.452	672.261	1.42	49764	0.27	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1433026	1.91	1326043	108.07	70	120	
Ge	72	2	He	1175324	0.52	1091369	107.69	70	120	
Ge	72	1	No Gas	3596706	0.78	3159633	113.83	70	120	
In	115	1	No Gas	3542106	0.82	3381547	104.75	70	120	
Bi	209	1	No Gas	2761586	5.48	2779551	99.35	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	120_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T14:23:30-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	019CALB.d
n	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
Li	7	1	No Gas	95.772	0.173	2206348	1.80	100	95.8	90	110	
Be	9	1	No Gas	92.168	1.021	645328	1.09	100	92.2	90	110	
V	51	2	He	96.010	2.663	1125188	2.67	100	96.0	90	110	
Cr	52	2	He	98.433	2.501	1282305	2.35	100	98.4	90	110	
Fe	56	2	He	9783.866	0.534	109871652	0.64	10000	97.8	90	110	
Se	78	2	He	95.540	0.723	21716	0.76	100	95.5	90	110	
As	75	2	He	98.312	0.295	184070	0.46	100	98.3	90	110	
Ca	44	2	He	9437.511	2.622	879571	2.75	10000	94.4	90	110	
Na	23	2	He	9980.905	1.877	20220241	2.05	10000	99.8	90	110	
Mg	24	2	He	9733.706	1.027	12109764	1.18	10000	97.3	90	110	
K	39	2	He	9636.248	1.511	18454636	1.68	10000	96.4	90	110	
Mn	55	2	He	98.129	2.708	1014262	2.68	100	98.1	90	110	
Co	59	2	He	100.734	2.540	1675727	2.74	100	100.7	90	110	
Ni	60	2	He	102.434	0.446	419166	0.64	100	102.4	90	110	
Cu	63	2	He	99.632	2.017	978613	2.20	100	99.6	90	110	
Zn	66	2	He	102.852	1.463	223170	1.64	100	102.9	90	110	
Al	27	2	He	101.523	2.080	102133	2.05	100	101.5	90	110	
B	11	1	No Gas	511.946	3.572	2051778	2.14	500	102.4	90	110	
Al	27	1	No Gas	103.369	3.653	3134459	2.50	100	103.4	90	110	
Si	28	1	No Gas	604.353	0.802	10623893	0.61	5000	12.1	90	110	CCV Main CR1-2 Failed
Ag	107	1	No Gas	98.400	2.157	2428057	2.12	100	98.4	90	110	
Cd	111	1	No Gas	102.069	1.153	491225	1.13	100	102.1	90	110	
Sr	88	1	No Gas	97.877	2.450	5030641	2.41	100	97.9	90	110	
Mo	95	1	No Gas	94.343	1.064	979869	1.03	100	94.3	90	110	
Sn	118	1	No Gas	98.880	0.543	1466761	0.50	100	98.9	90	110	
Sb	121	1	No Gas	98.258	1.003	2029896	1.28	100	98.3	90	110	
Ba	137	1	No Gas	99.262	0.890	786571	0.84	100	99.3	90	110	
Tl	205	1	No Gas	95.189	8.005	3338501	1.20	100	95.2	90	110	
Tl	203	1	No Gas	93.621	8.247	1425489	1.48	100	93.6	90	110	
Pb	208	1	No Gas	95.832	8.360	4939358	1.77	100	95.8	90	110	
U	238	1	No Gas	96.240	8.082	4920771	1.33	100	96.2	90	110	
Ca	43	2	He	9686.161	0.963	55388	1.08	10000	96.9	90	110	
Sb	121	2	He	92.092	0.546	1053256	0.75	100	92.1	90	110	
Ti	47	2	He	97.793	0.903	49188	0.78	100	97.8	90	110	
Cu	63	1	No Gas	101.272	0.606	2071561	0.71	100	101.3	90	110	
Se	82	1	No Gas	101.133	2.264	39203	0.96	100	101.1	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1553851	1.96	1326043	117.18	70	120	
Ge	72	2	He	1158306	0.20	1091369	106.13	70	120	
Ge	72	1	No Gas	3763993	1.31	3159633	119.13	70	120	
In	115	1	No Gas	3906771	0.05	3381547	115.53	70	120	
Bi	209	1	No Gas	3172482	7.16	2779551	114.14	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	121_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T14:25:16-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	019CALB.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	Upper Limit	QC Flag
Li	7	1	No Gas	-0.130	-16.6	100895	0.9	0.5	
Be	9	1	No Gas	0.113	44.5	897	41.2	0.5	
V	51	2	He	0.105	18.3	7271	2.7	2.5	
Cr	52	2	He	0.303	33.5	46482	2.1	2.5	
Fe	56	2	He	5.205	9.8	119306	5.3	100	
Se	78	2	He	0.026	634.7	292	13.1	2	
As	75	2	He	0.045	70.4	571	10.1	2.5	
Ca	44	2	He	-14.123	-3.5	3837	0.9	100	
Na	23	2	He	10.206	11.5	139875	2.4	100	
Mg	24	2	He	5.685	11.4	8980	9.9	100	
K	39	2	He	6.894	18.0	243247	1.6	100	
Mn	55	2	He	0.052	18.9	3024	3.8	2.5	
Co	59	2	He	0.032	41.6	993	23.4	2.5	
Ni	60	2	He	0.161	47.4	3167	9.2	2.5	
Cu	63	2	He	-0.005	-49.0	1733	0.9	2	
Zn	66	2	He	-0.047	-81.5	2347	3.4	2.5	
Al	27	2	He	-2.060	-10.3	2784	7.1	5	
B	11	1	No Gas	9.750	6.9	64382	4.5	0.5	CCB Main CR1 Failed
Al	27	1	No Gas	-1.666	-52.9	105496	23.8	5	
Si	28	1	No Gas	-7.000	-12.9	907747	1.8	10	
Ag	107	1	No Gas	0.118	41.0	3477	36.4	2.5	
Cd	111	1	No Gas	0.110	79.7	523	83.8	1	
Sr	88	1	No Gas	0.304	104.9	21499	76.6	2.5	
Mo	95	1	No Gas	0.232	35.9	3471	26.9	2.5	
Sn	118	1	No Gas	0.331	15.0	7022	12.1	5	
Sb	121	1	No Gas	0.272	23.3	6022	22.0	2.5	
Ba	137	1	No Gas	0.083	46.4	1837	18.3	2.5	
Tl	205	1	No Gas	0.795	37.9	29349	41.3	1	
Tl	203	1	No Gas	0.760	38.8	12147	42.4	1	
Pb	208	1	No Gas	0.131	35.7	9262	30.9	2.5	
U	238	1	No Gas	0.136	33.2	7599	35.4	2.5	
Ca	43	2	He	-1.172	-691.4	137	33.8	100	
Sb	121	2	He	0.147	6.9	1900	6.5	2.5	
Ti	47	2	He	0.090	103.4	57	83.4	2.5	
Cu	63	1	No Gas	0.095	54.5	6152	17.3	2.5	
Se	82	1	No Gas	0.045	433.1	178	42.5	2	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1616359	0.53	1326043	121.89	70	120	ISTD Failed
Ge	72	2	He	1176677	0.76	1091369	107.82	70	120	
Ge	72	1	No Gas	3771761	0.32	3159633	119.37	70	120	
In	115	1	No Gas	3984883	1.35	3381547	117.84	70	120	
Bi	209	1	No Gas	3220359	4.27	2779551	115.86	70	120	

Sample Report

Sample Table

Sample Name	HS23060391-02MSD
Data File Name	129SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T14:42:11-05:00
Sample Type	Sample
Dilution	5
Comment	TW B 195358
ISTD Ref FileName	019CALB.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
Li	7	1	No Gas	236.314	1181.572	1.95	4613402	0.01	2000	
Be	9	1	No Gas	8.954	44.768	3.71	54646	0.02	2000	
V	51	2	He	10.156	50.782	1.58	113630	0.01	2000	
Cr	52	2	He	9.677	48.383	1.50	149785	0.01	2000	
Fe	56	2	He	936.914	4684.572	1.31	9664951	0.01	200000	
Se	78	2	He	29.456	147.278	1.80	6298	0.47	2000	
As	75	2	He	9.656	48.280	2.37	16916	0.06	2000	
Ca	44	2	He	86906.132	434530.659	1.13	7364466	1.18	200000	
Na	23	2	He	355861.327	1779306.635	0.44	655239337	0.05	200000	>LDR
Mg	24	2	He	205517.380	1027586.900	0.90	233662290	0.09	200000	>LDR
K	39	2	He	5930.294	29651.471	0.92	10460276	0.06	200000	
Mn	55	2	He	152.997	764.986	0.58	1444345	0.01	2000	
Co	59	2	He	10.309	51.545	1.75	157091	0.01	2000	
Ni	60	2	He	61.629	308.144	1.31	231391	0.03	2000	
Cu	63	2	He	9.039	45.197	0.88	82610	0.01	2000	
Zn	66	2	He	9.941	49.703	1.04	21704	0.05	2000	
Al	27	2	He	20.162	100.810	5.86	22006	0.09	2000	
B	11	1	No Gas	343.998	1719.988	3.97	1207549	0.03	2000	
Al	27	1	No Gas	20.996	104.981	2.08	638056	0.00	2000	
Si	28	1	No Gas	1322.902	6614.508	0.50	18535224	0.01	2000	
Ag	107	1	No Gas	9.193	45.964	0.66	189889	0.00	2000	
Cd	111	1	No Gas	9.397	46.983	1.73	37776	0.02	2000	
Sr	88	1	No Gas	2357.231	11786.157	0.90	101121708	0.00	2000	>LDR
Mo	95	1	No Gas	9.911	49.554	0.44	86748	0.01	2000	
Sn	118	1	No Gas	19.205	96.027	1.27	239355	0.01	2000	
Sb	121	1	No Gas	9.850	49.248	0.36	171375	0.01	2000	
Ba	137	1	No Gas	11.653	58.265	1.72	77990	0.01	2000	
Tl	205	1	No Gas	8.467	42.336	11.62	255671	0.00	2000	
Tl	203	1	No Gas	8.266	41.330	11.66	108324	0.01	2000	
Pb	208	1	No Gas	8.911	44.554	10.95	396631	0.00	2000	
U	238	1	No Gas	23.709	118.547	10.14	1043022	0.00	2000	
Ca	43	2	He	93318.305	466591.527	0.78	486627	19.18	200000	
Sb	121	2	He	8.881	44.407	0.88	93005	0.01	2000	
Ti	47	2	He	28.186	140.932	2.59	12963	0.22	2000	
Cu	63	1	No Gas	11.730	58.652	0.92	204862	0.01	2000	
Zn	66	1	No Gas	12.657	63.283	2.10	64095	0.02	2000	
Se	82	1	No Gas	33.305	166.525	2.06	10946	0.30	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1353414	1.54	1326043	102.06	70	120	
Ge	72	2	He	1058781	1.58	1091369	97.01	70	120	
Ge	72	1	No Gas	3164442	1.38	3159633	100.15	70	120	
In	115	1	No Gas	3264304	1.22	3381547	96.53	70	120	
Bi	209	1	No Gas	2736958	10.17	2779551	98.47	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	131_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T14:56:21-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	019CALB.d
n	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
Li	7	1	No Gas	96.957	3.302	2067345	1.67	100	97.0	90	110	
Be	9	1	No Gas	93.468	1.936	606183	0.73	100	93.5	90	110	
V	51	2	He	95.087	3.742	1013596	1.36	100	95.1	90	110	
Cr	52	2	He	97.424	3.022	1154951	1.34	100	97.4	90	110	
Fe	56	2	He	9694.252	2.554	99036442	0.73	10000	96.9	90	110	
Se	78	2	He	96.263	2.746	19903	1.30	100	96.3	90	110	
As	75	2	He	98.157	2.392	167188	0.02	100	98.2	90	110	
Ca	44	2	He	9742.447	3.025	825799	1.21	10000	97.4	90	110	
Na	23	2	He	9752.636	2.970	17974517	0.61	10000	97.5	90	110	
Mg	24	2	He	9655.571	3.302	10926465	1.03	10000	96.6	90	110	
K	39	2	He	9467.194	2.941	16496429	1.00	10000	94.7	90	110	
Mn	55	2	He	95.528	1.791	898524	2.25	100	95.5	90	110	
Co	59	2	He	99.767	3.325	1509541	1.10	100	99.8	90	110	
Ni	60	2	He	100.184	2.696	372995	1.15	100	100.2	90	110	
Cu	63	2	He	101.770	3.068	909231	1.01	100	101.8	90	110	
Zn	66	2	He	102.686	2.281	202699	0.18	100	102.7	90	110	
Al	27	2	He	102.298	2.642	93587	0.41	100	102.3	90	110	
B	11	1	No Gas	490.285	1.254	1821707	1.34	500	98.1	90	110	
Al	27	1	No Gas	104.976	1.870	2778420	1.23	100	105.0	90	110	
Si	28	1	No Gas	624.465	3.492	9558822	3.61	5000	12.5	90	110	CCV Main CR1-2 Failed
Ag	107	1	No Gas	96.861	0.098	2175446	0.45	100	96.9	90	110	
Cd	111	1	No Gas	100.866	0.823	441841	0.95	100	100.9	90	110	
Sr	88	1	No Gas	95.789	1.253	4481290	1.31	100	95.8	90	110	
Mo	95	1	No Gas	97.630	0.878	922907	0.96	100	97.6	90	110	
Sn	118	1	No Gas	95.533	0.788	1289875	0.42	100	95.5	90	110	
Sb	121	1	No Gas	101.650	1.142	1833974	0.85	100	101.6	90	110	
Ba	137	1	No Gas	99.608	1.639	718434	1.76	100	99.6	90	110	
Tl	205	1	No Gas	94.950	7.578	3168150	0.39	100	95.0	90	110	
Tl	203	1	No Gas	93.544	8.437	1354755	1.82	100	93.5	90	110	
Pb	208	1	No Gas	96.188	8.146	4715815	0.92	100	96.2	90	110	
U	238	1	No Gas	95.285	9.162	4631581	1.99	100	95.3	90	110	
Ca	43	2	He	9530.091	3.482	49573	1.84	10000	95.3	90	110	
Sb	121	2	He	97.564	5.959	1014722	4.32	100	97.6	90	110	
Ti	47	2	He	96.027	3.961	43931	1.86	100	96.0	90	110	
Cu	63	1	No Gas	99.415	1.939	1776011	1.35	100	99.4	90	110	
Se	82	1	No Gas	102.110	0.874	34573	1.11	100	102.1	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1439387	1.53	1326043	108.55	70	120	
Ge	72	2	He	1054140	2.41	1091369	96.59	70	120	
Ge	72	1	No Gas	3287223	0.60	3159633	104.04	70	120	
In	115	1	No Gas	3555909	0.37	3381547	105.16	70	120	
Bi	209	1	No Gas	3018043	7.46	2779551	108.58	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	132_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T14:58:09-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	019CALB.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
Li	7	1	No Gas	0.123	76.6	95733	1.0	0.5	
Be	9	1	No Gas	0.139	35.1	973	33.2	0.5	
V	51	2	He	0.052	54.8	6104	3.0	2.5	
Cr	52	2	He	0.091	53.3	40290	1.8	2.5	
Fe	56	2	He	4.962	18.4	107115	6.8	100	
Se	78	2	He	-0.061	-140.6	251	9.0	2	
As	75	2	He	0.032	47.5	502	3.9	2.5	
Ca	44	2	He	-13.706	-36.9	3567	12.3	100	
Na	23	2	He	-1.976	-129.1	105721	2.5	100	
Mg	24	2	He	5.262	16.9	7756	11.3	100	
K	39	2	He	8.126	58.4	225931	1.5	100	
Mn	55	2	He	0.100	29.7	3237	6.7	2.5	
Co	59	2	He	0.039	27.0	1020	14.2	2.5	
Ni	60	2	He	0.021	132.6	2384	5.0	2.5	
Cu	63	2	He	0.050	57.9	2104	10.7	2	
Zn	66	2	He	0.496	16.2	3247	4.5	2.5	
Al	27	2	He	-1.951	-5.3	2660	4.6	5	
B	11	1	No Gas	9.975	6.8	58615	4.6	0.5	CCB Main CR1 Failed
Al	27	1	No Gas	-1.988	-4.1	85106	2.0	5	
Si	28	1	No Gas	-6.845	-11.2	804944	0.9	10	
Ag	107	1	No Gas	0.149	43.0	3854	38.3	2.5	
Cd	111	1	No Gas	0.145	63.2	632	65.3	1	
Sr	88	1	No Gas	0.104	48.5	10087	24.2	2.5	
Mo	95	1	No Gas	0.254	23.1	3361	17.2	2.5	
Sn	118	1	No Gas	0.364	21.2	6835	15.9	5	
Sb	121	1	No Gas	0.233	25.3	4614	23.1	2.5	
Ba	137	1	No Gas	0.104	47.8	1824	20.3	2.5	
Tl	205	1	No Gas	0.833	35.7	29446	40.7	1	
Tl	203	1	No Gas	0.811	33.4	12384	38.7	1	
Pb	208	1	No Gas	0.144	34.4	9529	32.2	2.5	
U	238	1	No Gas	0.149	31.5	7926	35.3	2.5	
Ca	43	2	He	5.173	152.2	160	27.2	100	
Sb	121	2	He	0.105	15.8	1307	12.0	2.5	
Ti	47	2	He	0.086	46.2	50	34.6	2.5	
Cu	63	1	No Gas	0.166	46.4	6735	20.6	2.5	
Se	82	1	No Gas	-0.148	-145.1	91	80.8	2	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1450725	1.15	1326043	109.40	70	120	
Ge	72	2	He	1083000	2.17	1091369	99.23	70	120	
Ge	72	1	No Gas	3335743	0.50	3159633	105.57	70	120	
In	115	1	No Gas	3626018	0.34	3381547	107.23	70	120	
Bi	209	1	No Gas	3075625	5.91	2779551	110.65	70	120	

Sample Report

Sample Table

Sample Name	HS23060391-02SD
Data File Name	135SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T15:20:30-05:00
Sample Type	Sample
Dilution	250
Comment	TW B 195358
ISTD Ref FileName	019CALB.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
Li	7	1	No Gas	4.609	1152.281	1.42	200267	0.00	2000	
Be	9	1	No Gas	-0.008	-2.089	-4.72	12	-0.07	2000	
V	51	2	He	0.251	62.658	7.80	8366	0.00	2000	
Cr	52	2	He	-0.092	-22.953	-145.43	38538	0.00	2000	
Fe	56	2	He	0.694	173.523	39.04	63089	0.00	200000	
Se	78	2	He	0.240	60.041	70.91	317	0.08	2000	
As	75	2	He	0.007	1.673	161.31	463	0.00	2000	
Ca	44	2	He	1890.520	472629.952	3.66	170293	1.11	200000	
Na	23	2	He	7600.759	1900189.813	3.87	14571991	0.05	200000	
Mg	24	2	He	4410.597	1102649.262	4.92	5182932	0.09	200000	
K	39	2	He	114.147	28536.774	7.74	417841	0.03	200000	
Mn	55	2	He	2.972	743.075	3.08	31263	0.01	2000	
Co	59	2	He	0.012	3.024	24.67	610	0.00	2000	
Ni	60	2	He	0.985	246.221	8.61	6111	0.02	2000	
Cu	63	2	He	0.001	0.372	344.05	1677	0.00	2000	
Zn	66	2	He	1.900	475.049	11.01	6125	0.03	2000	
Al	27	2	He	3.046	761.399	8.79	7219	0.04	2000	
B	11	1	No Gas	7.369	1842.224	2.90	52198	0.01	2000	
Al	27	1	No Gas	3.445	861.334	8.28	230802	0.00	2000	
Si	28	1	No Gas	16.806	4201.487	12.53	1172425	0.00	2000	
Ag	107	1	No Gas	-0.008	-1.956	-11.48	273	0.00	2000	
Cd	111	1	No Gas	-0.011	-2.718	-46.44	-68	0.02	2000	
Sr	88	1	No Gas	48.411	12102.837	3.35	2368207	0.00	2000	
Mo	95	1	No Gas	0.068	16.935	26.42	1603	0.00	2000	
Sn	118	1	No Gas	0.010	2.575	19.29	2017	0.00	2000	
Sb	121	1	No Gas	0.013	3.278	17.33	610	0.00	2000	
Ba	137	1	No Gas	0.019	4.710	89.32	1227	0.00	2000	
Tl	205	1	No Gas	-0.010	-2.552	-10.05	277	0.00	2000	
Tl	203	1	No Gas	-0.006	-1.520	-43.09	123	0.00	2000	
Pb	208	1	No Gas	-0.012	-2.954	-33.21	1573	0.00	2000	
U	238	1	No Gas	0.097	24.305	5.27	5165	0.00	2000	
Ca	43	2	He	1856.690	464172.621	3.93	10137	18.32	200000	
Sb	121	2	He	0.013	3.215	43.36	323	0.00	2000	
Ti	47	2	He	0.034	8.617	63.50	27	0.13	2000	
Cu	63	1	No Gas	0.039	9.736	21.15	4564	0.00	2000	
Zn	66	1	No Gas	1.989	497.225	3.31	15793	0.01	2000	
Se	82	1	No Gas	0.374	93.468	10.13	278	0.13	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1546427	1.05	1326043	116.62	70	120	
Ge	72	2	He	1095257	3.82	1091369	100.36	70	120	
Ge	72	1	No Gas	3436538	1.50	3159633	108.76	70	120	
In	115	1	No Gas	3715606	2.06	3381547	109.88	70	120	

Sample Report

Bi	209	1	No Gas	3024820	5.12	2779551	108.82	70	120	

Sample Report

Sample Table

Sample Name	HS23060391-02PDS
Data File Name	136SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T15:22:25-05:00
Sample Type	Sample
Dilution	50
Comment	TW B 195358
ISTD Ref FileName	019CALB.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
Li	7	1	No Gas	24.170	1208.520	2.43	589139	0.00	2000	
Be	9	1	No Gas	94.589	4729.474	2.32	617939	0.02	2000	
V	51	2	He	95.458	4772.881	0.80	1063703	0.01	2000	
Cr	52	2	He	93.801	4690.067	1.27	1163683	0.01	2000	
Fe	56	2	He	9597.489	479874.441	2.73	102461912	0.01	200000	
Se	78	2	He	96.880	4843.990	2.93	20930	0.46	2000	
As	75	2	He	98.311	4915.528	2.01	174989	0.06	2000	
Ca	44	2	He	18202.754	910137.717	1.17	1608414	1.13	200000	
Na	23	2	He	45448.076	2272403.797	1.49	87138579	0.05	200000	
Mg	24	2	He	30208.816	1510440.815	1.24	35727464	0.08	200000	
K	39	2	He	9791.446	489572.321	2.31	17822863	0.05	200000	
Mn	55	2	He	107.260	5363.023	1.29	1053808	0.01	2000	
Co	59	2	He	99.025	4951.267	3.09	1565886	0.01	2000	
Ni	60	2	He	102.656	5132.785	2.29	399340	0.03	2000	
Cu	63	2	He	97.702	4885.094	1.74	912352	0.01	2000	
Zn	66	2	He	98.962	4948.097	0.78	204239	0.05	2000	
Al	27	2	He	90.882	4544.121	1.77	87390	0.10	2000	
B	11	1	No Gas	27.184	1359.214	3.37	122215	0.02	2000	
Al	27	1	No Gas	96.562	4828.096	0.77	2667571	0.00	2000	
Si	28	1	No Gas	114.131	5706.558	2.05	2569883	0.00	2000	
Ag	107	1	No Gas	99.083	4954.146	2.13	2220535	0.00	2000	
Cd	111	1	No Gas	103.087	5154.326	1.41	450602	0.02	2000	
Sr	88	1	No Gas	236.141	11807.061	1.93	11016106	0.00	2000	
Mo	95	1	No Gas	99.191	4959.573	1.50	935669	0.01	2000	
Sn	118	1	No Gas	0.019	0.944	90.97	2040	0.00	2000	
Sb	121	1	No Gas	99.306	4965.305	1.88	1861904	0.01	2000	
Ba	137	1	No Gas	101.220	5061.000	2.13	728451	0.01	2000	
Tl	205	1	No Gas	104.819	5240.974	6.41	3411285	0.00	2000	
Tl	203	1	No Gas	103.050	5152.480	5.73	1456336	0.01	2000	
Pb	208	1	No Gas	96.544	4827.180	6.73	4616942	0.00	2000	
U	238	1	No Gas	0.512	25.597	5.09	24702	0.00	2000	
Ca	43	2	He	18243.761	912188.031	0.43	99072	18.41	200000	
Sb	121	2	He	89.732	4486.607	0.64	975759	0.01	2000	
Ti	47	2	He	97.171	4858.528	2.92	46462	0.21	2000	
Cu	63	1	No Gas	96.956	4847.802	3.16	1799834	0.01	2000	
Zn	66	1	No Gas	101.757	5087.868	1.44	515918	0.02	2000	
Se	82	1	No Gas	104.464	5223.204	0.30	36759	0.28	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1449818	0.95	1326043	109.33	70	120	
Ge	72	2	He	1101332	1.05	1091369	100.91	70	120	
Ge	72	1	No Gas	3416725	1.97	3159633	108.14	70	120	
In	115	1	No Gas	3548537	0.71	3381547	104.94	70	120	

Sample Report

Bi	209	1	No Gas	2938885	5.26	2779551	105.73	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	141_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T15:31:54-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	019CALB.d
n	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
Li	7	1	No Gas	96.649	3.407	2078390	2.80	100	96.6	90	110	
Be	9	1	No Gas	95.058	1.252	621632	0.80	100	95.1	90	110	
V	51	2	He	94.605	3.443	1044627	2.37	100	94.6	90	110	
Cr	52	2	He	96.643	2.726	1187024	2.34	100	96.6	90	110	
Fe	56	2	He	9629.770	1.870	101892518	0.68	10000	96.3	90	110	
Se	78	2	He	95.156	2.707	20379	1.48	100	95.2	90	110	
As	75	2	He	97.704	2.373	172357	1.28	100	97.7	90	110	
Ca	44	2	He	9507.904	1.778	835022	2.35	10000	95.1	90	110	
Na	23	2	He	9809.493	1.377	18726794	0.17	10000	98.1	90	110	
Mg	24	2	He	9632.465	1.054	11292404	1.12	10000	96.3	90	110	
K	39	2	He	9391.644	2.833	16950724	1.65	10000	93.9	90	110	
Mn	55	2	He	96.439	1.249	939318	1.16	100	96.4	90	110	
Co	59	2	He	101.025	0.676	1583556	0.66	100	101.0	90	110	
Ni	60	2	He	100.863	1.433	388938	0.52	100	100.9	90	110	
Cu	63	2	He	102.844	1.630	951734	0.44	100	102.8	90	110	
Zn	66	2	He	103.161	2.319	210889	1.19	100	103.2	90	110	
Al	27	2	He	101.109	1.944	95863	1.63	100	101.1	90	110	
B	11	1	No Gas	509.443	2.708	1907502	2.20	500	101.9	90	110	
Al	27	1	No Gas	101.681	2.645	2870909	2.21	100	101.7	90	110	
Si	28	1	No Gas	596.592	2.229	9766737	0.61	5000	11.9	90	110	CCV Main CR1-2 Failed
Ag	107	1	No Gas	98.011	2.790	2266740	1.99	100	98.0	90	110	
Cd	111	1	No Gas	102.061	1.633	460394	0.86	100	102.1	90	110	
Sr	88	1	No Gas	98.379	2.795	4739178	2.03	100	98.4	90	110	
Mo	95	1	No Gas	96.883	3.592	943275	3.86	100	96.9	90	110	
Sn	118	1	No Gas	97.456	1.424	1355068	0.80	100	97.5	90	110	
Sb	121	1	No Gas	99.761	1.309	1917355	2.34	100	99.8	90	110	
Ba	137	1	No Gas	99.640	1.936	740063	1.21	100	99.6	90	110	
Tl	205	1	No Gas	96.858	5.268	3276034	1.11	100	96.9	90	110	
Tl	203	1	No Gas	94.386	7.987	1384611	2.34	100	94.4	90	110	
Pb	208	1	No Gas	97.215	7.234	4828908	1.55	100	97.2	90	110	
U	238	1	No Gas	96.058	7.389	4732781	1.71	100	96.1	90	110	
Ca	43	2	He	9404.604	2.788	50670	1.59	10000	94.0	90	110	
Sb	121	2	He	94.615	1.585	1019602	0.78	100	94.6	90	110	
Ti	47	2	He	96.481	2.141	45727	1.67	100	96.5	90	110	
Cu	63	1	No Gas	97.973	1.744	1864189	0.40	100	98.0	90	110	
Se	82	1	No Gas	100.600	0.717	36285	1.87	100	100.6	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1451163	0.50	1326043	109.44	70	120	
Ge	72	2	He	1091535	1.21	1091369	100.02	70	120	
Ge	72	1	No Gas	3501460	1.57	3159633	110.82	70	120	
In	115	1	No Gas	3662198	0.84	3381547	108.30	70	120	
Bi	209	1	No Gas	3054001	5.84	2779551	109.87	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	142_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T15:33:42-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	019CALB.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
Li	7	1	No Gas	0.216	78.4	102755	2.4	0.5	
Be	9	1	No Gas	0.179	41.9	1295	38.5	0.5	
V	51	2	He	0.062	52.8	6273	4.5	2.5	
Cr	52	2	He	0.089	32.6	40620	1.6	2.5	
Fe	56	2	He	6.457	21.8	123910	11.1	100	
Se	78	2	He	-0.040	-296.0	257	11.5	2	
As	75	2	He	0.037	112.2	516	12.6	2.5	
Ca	44	2	He	-10.729	-38.8	3857	8.7	100	
Na	23	2	He	-3.161	-78.3	104406	3.1	100	
Mg	24	2	He	7.998	21.7	11036	17.6	100	
K	39	2	He	8.361	41.8	228375	1.8	100	
Mn	55	2	He	0.120	18.4	3464	5.9	2.5	
Co	59	2	He	0.051	22.2	1227	14.6	2.5	
Ni	60	2	He	-0.064	-36.7	2080	5.8	2.5	
Cu	63	2	He	0.061	6.0	2220	3.2	2	
Zn	66	2	He	0.573	15.1	3431	3.6	2.5	
Al	27	2	He	-1.163	-84.8	3392	25.7	5	
B	11	1	No Gas	7.061	12.2	50313	5.5	0.5	CCB Main CR1 Failed
Al	27	1	No Gas	-1.881	-5.8	92795	2.7	5	
Si	28	1	No Gas	-3.211	-344.5	904305	17.9	10	
Ag	107	1	No Gas	0.213	40.6	5501	36.7	2.5	
Cd	111	1	No Gas	0.211	51.1	955	51.7	1	
Sr	88	1	No Gas	0.216	52.7	15947	34.7	2.5	
Mo	95	1	No Gas	0.341	25.2	4345	19.2	2.5	
Sn	118	1	No Gas	0.401	28.5	7589	20.9	5	
Sb	121	1	No Gas	0.320	29.6	6555	27.6	2.5	
Ba	137	1	No Gas	0.161	70.6	2317	36.7	2.5	
Tl	205	1	No Gas	0.910	39.4	32261	44.0	1	
Tl	203	1	No Gas	0.857	34.4	13128	39.4	1	
Pb	208	1	No Gas	0.206	33.9	12713	33.5	2.5	
U	238	1	No Gas	0.217	36.5	11423	40.5	2.5	
Ca	43	2	He	8.584	105.3	180	28.9	100	
Sb	121	2	He	0.142	6.3	1710	4.7	2.5	
Ti	47	2	He	0.098	52.3	57	44.4	2.5	
Cu	63	1	No Gas	0.236	38.7	8443	20.4	2.5	
Se	82	1	No Gas	-0.079	-298.7	121	70.3	2	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1526902	1.18	1326043	115.15	70	120	
Ge	72	2	He	1092372	1.72	1091369	100.09	70	120	
Ge	72	1	No Gas	3524367	0.46	3159633	111.54	70	120	
In	115	1	No Gas	3755029	0.71	3381547	111.04	70	120	
Bi	209	1	No Gas	3089360	5.42	2779551	111.15	70	120	

Calibration Blank Report

Sample Table

Sample Name	CAL BLK
Data File Name	322CALB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T21:59:28-05:00
Sample Type	CalBlk
Level	1
Dilution	1
Comment	

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Li	7	1	No Gas	91214	0.00
Be	9	1	No Gas	18	429.43
V	51	2	He	5891	0.02
Cr	52	2	He	31206	0.00
Fe	56	2	He	36225	0.01
Se	78	2	He	176	1.94
As	75	2	He	362	3.31
Ca	44	2	He	2584	0.17
Na	23	2	He	92555	0.00
Mg	24	2	He	1907	0.16
K	39	2	He	165135	0.00
Mn	55	2	He	1050	1.35
Co	59	2	He	167	28.88
Ni	60	2	He	780	1.19
Cu	63	2	He	760	1.51
Zn	66	2	He	2347	0.78
Al	27	2	He	3661	0.14
B	11	1	No Gas	49251	0.00
Al	27	1	No Gas	125808	0.00
Si	28	1	No Gas	549243	0.00
Ag	107	1	No Gas	180	19.28
Sr	88	1	No Gas	5678	0.09
Mo	95	1	No Gas	1047	0.76
Sn	118	1	No Gas	2414	0.15
Sb	121	1	No Gas	360	4.82
Ba	137	1	No Gas	1323	0.73
Tl	205	1	No Gas	387	2.53
Tl	203	1	No Gas	143	10.13
Pb	208	1	No Gas	1467	0.47
U	238	1	No Gas	103	38.99
Ca	43	2	He	153	9.82
Sb	121	2	He	153	17.19
Ti	47	2	He	27	214.81
Cu	63	1	No Gas	1717	0.30

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Li	6	1	No Gas	1347953	0.41

Calibration Blank Report

Ge	72	2	He	1047186	0.92
Ge	72	1	No Gas	3504068	1.04
In	115	1	No Gas	4101195	1.70
Bi	209	1	No Gas	3488917	1.30

Calibration Standard Report

Sample Table

Sample Name	2/10/200
Data File Name	323CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T22:01:24-05:00
Sample Type	CalStd
Level	2
Dilution	1
Comment	
ISTD Ref File Name	322CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	No Gas	10639	0.02
V	51	2	He	25288	0.00
Cr	52	2	He	54318	0.00
Fe	56	2	He	2014870	0.00
Se	78	2	He	546	1.12
As	75	2	He	3554	0.11
Ca	44	2	He	17208	0.02
Na	23	2	He	453099	0.00
Mg	24	2	He	223580	0.00
K	39	2	He	484011	0.00
Mn	55	2	He	19220	0.01
Co	59	2	He	30518	0.00
Ni	60	2	He	8073	0.07
Cu	63	2	He	19107	0.01
Zn	66	2	He	6155	0.06
Al	27	2	He	4164	0.16
B	11	1	No Gas	80703	0.00
Al	27	1	No Gas	138905	0.00
Si	28	1	No Gas	697220	0.00
Ag	107	1	No Gas	51631	0.01
Cd	111	1	No Gas	9565	0.02
Sr	88	1	No Gas	108081	0.00
Mo	95	1	No Gas	21675	0.01
Sn	118	1	No Gas	32808	0.01
Sb	121	1	No Gas	42820	0.00
Ba	137	1	No Gas	17769	0.02
Tl	205	1	No Gas	78504	0.00
Tl	203	1	No Gas	32944	0.01
Pb	208	1	No Gas	119258	0.00
U	238	1	No Gas	113665	0.00
Ca	43	2	He	1007	0.06
Sb	121	2	He	20416	0.01
Cu	63	1	No Gas	41176	0.01

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1354644	0.57	1347953	100.50	70	120	
Ge	72	2	He	1031461	1.59	1047186	98.50	70	120	
Ge	72	1	No Gas	3518810	1.67	3504068	100.42	70	120	

Calibration Standard Report

In	115	1	No Gas	4097281	1.83	4101195	99.90	70	120	
Bi	209	1	No Gas	3543894	3.66	3488917	101.58	70	120	

Calibration Standard Report

Sample Table

Sample Name	5/25/500
Data File Name	324CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T22:03:19-05:00
Sample Type	CalStd
Level	3
Dilution	1
Comment	
ISTD Ref File Name	322CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	No Gas	27534	0.00
V	51	2	He	55059	0.00
Cr	52	2	He	88062	0.00
Fe	56	2	He	4908473	0.00
Se	78	2	He	1139	0.37
As	75	2	He	8134	0.04
Ca	44	2	He	41015	0.01
Na	23	2	He	960154	0.00
Mg	24	2	He	557585	0.00
K	39	2	He	949443	0.00
Mn	55	2	He	47145	0.00
Co	59	2	He	75381	0.00
Ni	60	2	He	19377	0.02
Cu	63	2	He	46633	0.01
Zn	66	2	He	11502	0.03
Al	27	2	He	8573	0.05
B	11	1	No Gas	130634	0.00
Al	27	1	No Gas	286705	0.00
Si	28	1	No Gas	932797	0.00
Ag	107	1	No Gas	131358	0.00
Cd	111	1	No Gas	25248	0.00
Sr	88	1	No Gas	270370	0.00
Mo	95	1	No Gas	51687	0.00
Sn	118	1	No Gas	80509	0.00
Sb	121	1	No Gas	107844	0.00
Ba	137	1	No Gas	43744	0.01
Tl	205	1	No Gas	200662	0.00
Tl	203	1	No Gas	83499	0.00
Pb	208	1	No Gas	303225	0.00
U	238	1	No Gas	284507	0.00
Ca	43	2	He	2584	0.40
Sb	121	2	He	52432	0.01
Cu	63	1	No Gas	98269	0.00

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1360236	1.84	1347953	100.91	70	120	
Ge	72	2	He	1047637	1.82	1047186	100.04	70	120	
Ge	72	1	No Gas	3509815	1.19	3504068	100.16	70	120	

Calibration Standard Report

In	115	1	No Gas	4106825	0.24	4101195	100.14	70	120	
Bi	209	1	No Gas	3554046	3.81	3488917	101.87	70	120	

Calibration Standard Report

Sample Table

Sample Name	10/50/100
Data File Name	325CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T22:05:14-05:00
Sample Type	CalStd
Level	4
Dilution	1
Comment	
ISTD Ref File Name	322CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	No Gas	54450	0.00
V	51	2	He	103008	0.00
Cr	52	2	He	143574	0.00
Fe	56	2	He	9645138	0.00
Se	78	2	He	2134	0.15
As	75	2	He	15661	0.01
Ca	44	2	He	78426	0.00
Na	23	2	He	1776681	0.00
Mg	24	2	He	1035947	0.00
K	39	2	He	1685887	0.00
Mn	55	2	He	90133	0.00
Co	59	2	He	149392	0.00
Ni	60	2	He	37479	0.01
Cu	63	2	He	91222	0.00
Zn	66	2	He	21117	0.01
Al	27	2	He	11171	0.04
B	11	1	No Gas	214328	0.00
Al	27	1	No Gas	379664	0.00
Si	28	1	No Gas	1223938	0.00
Ag	107	1	No Gas	260047	0.00
Cd	111	1	No Gas	50389	0.01
Sr	88	1	No Gas	529870	0.00
Mo	95	1	No Gas	101505	0.00
Sn	118	1	No Gas	157300	0.00
Sb	121	1	No Gas	212836	0.00
Ba	137	1	No Gas	85091	0.00
Tl	205	1	No Gas	395274	0.00
Tl	203	1	No Gas	166125	0.00
Pb	208	1	No Gas	599281	0.00
U	238	1	No Gas	566819	0.00
Ca	43	2	He	4611	0.12
Sb	121	2	He	102065	0.00
Cu	63	1	No Gas	193693	0.00

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1356046	0.97	1347953	100.60	70	120	
Ge	72	2	He	1055298	2.22	1047186	100.77	70	120	
Ge	72	1	No Gas	3536168	1.82	3504068	100.92	70	120	

Calibration Standard Report

In	115	1	No Gas	4096853	2.27	4101195	99.89	70	120	
Bi	209	1	No Gas	3552677	3.41	3488917	101.83	70	120	

Calibration Standard Report

Sample Table

Sample Name	100/500/10K
Data File Name	326CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T22:07:09-05:00
Sample Type	CalStd
Level	5
Dilution	1
Comment	
ISTD Ref File Name	322CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	No Gas	535728	0.00
V	51	2	He	933090	0.00
Cr	52	2	He	1071643	0.00
Fe	56	2	He	92662299	0.00
Se	78	2	He	19415	0.01
As	75	2	He	151110	0.00
Ca	44	2	He	754908	0.00
Na	23	2	He	16112982	0.00
Mg	24	2	He	9679399	0.00
K	39	2	He	14698255	0.00
Mn	55	2	He	857600	0.00
Co	59	2	He	1436874	0.00
Ni	60	2	He	348637	0.00
Cu	63	2	He	859174	0.00
Zn	66	2	He	185701	0.00
Al	27	2	He	78068	0.00
B	11	1	No Gas	1639449	0.00
Al	27	1	No Gas	2492160	0.00
Si	28	1	No Gas	6728354	0.00
Ag	107	1	No Gas	2385774	0.00
Cd	111	1	No Gas	489474	0.00
Sr	88	1	No Gas	4828903	0.00
Mo	95	1	No Gas	966998	0.00
Sn	118	1	No Gas	1486794	0.00
Sb	121	1	No Gas	2045243	0.00
Ba	137	1	No Gas	813727	0.00
Tl	205	1	No Gas	3788254	0.00
Tl	203	1	No Gas	1601184	0.00
Pb	208	1	No Gas	5568179	0.00
U	238	1	No Gas	5463865	0.00
Ca	43	2	He	45061	0.00
Sb	121	2	He	1008612	0.00
Cu	63	1	No Gas	1752984	0.00

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1313726	1.47	1347953	97.46	70	120	
Ge	72	2	He	1023848	1.13	1047186	97.77	70	120	
Ge	72	1	No Gas	3479762	1.11	3504068	99.31	70	120	

Calibration Standard Report

In	115	1	No Gas	4020928	2.30	4101195	98.04	70	120	
Bi	209	1	No Gas	3467796	1.66	3488917	99.39	70	120	

Calibration Standard Report

Sample Table

Sample Name	200/1000/20K
Data File Name	327CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T22:08:56-05:00
Sample Type	CalStd
Level	6
Dilution	1
Comment	
ISTD Ref File Name	322CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	No Gas	989139	0.00
V	51	2	He	1840089	0.00
Cr	52	2	He	2052085	0.00
Fe	56	2	He	182115991	0.00
Se	78	2	He	37685	0.00
As	75	2	He	298877	0.00
Ca	44	2	He	1434957	0.00
Na	23	2	He	31515455	0.00
Mg	24	2	He	18937566	0.00
K	39	2	He	28778271	0.00
Mn	55	2	He	1664432	0.00
Co	59	2	He	2683987	0.00
Ni	60	2	He	674251	0.00
Cu	63	2	He	1607572	0.00
Zn	66	2	He	358035	0.00
Al	27	2	He	147030	0.00
B	11	1	No Gas	3086225	0.00
Al	27	1	No Gas	4551805	0.00
Si	28	1	No Gas	12640823	0.00
Ag	107	1	No Gas	4507980	0.00
Cd	111	1	No Gas	920275	0.00
Sr	88	1	No Gas	9328615	0.00
Mo	95	1	No Gas	1882345	0.00
Sn	118	1	No Gas	2824392	0.00
Sb	121	1	No Gas	3841968	0.00
Ba	137	1	No Gas	1558623	0.00
Tl	205	1	No Gas	7209770	0.00
Tl	203	1	No Gas	3101445	0.00
Pb	208	1	No Gas	10635069	0.00
U	238	1	No Gas	10618581	0.00
Ca	43	2	He	88440	0.00
Sb	121	2	He	2003433	0.00
Cu	63	1	No Gas	3316055	0.00

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1280788	1.17	1347953	95.02	70	120	
Ge	72	2	He	988065	1.19	1047186	94.35	70	120	
Ge	72	1	No Gas	3385347	1.34	3504068	96.61	70	120	

Calibration Standard Report

In	115	1	No Gas	3910312	2.25	4101195	95.35	70	120	
Bi	209	1	No Gas	3338622	2.47	3488917	95.69	70	120	

Initial Calibration Verification (ICV) Report

Sample Table

Sample Name	ICCV
Data File Name	329_ICV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T22:12:38-05:00
Sample Type	ICV
Dilution	1
Comment	
ISTD Ref File Name	322CALB.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
Li	7	1	No Gas	103.966	1.076	1868229	0.43	100	104.0	90	110	
Be	9	1	No Gas	104.293	1.181	540846	0.51	100	104.3	90	110	
V	51	2	He	97.347	0.843	953267	1.00	100	97.3	90	110	
Cr	52	2	He	98.693	1.763	1094235	1.48	100	98.7	90	110	
Fe	56	2	He	9998.957	0.887	96730612	0.65	10000	100.0	90	110	
Se	78	2	He	96.649	0.572	19465	0.84	100	96.6	90	110	
As	75	2	He	101.073	0.419	160389	0.24	100	101.1	90	110	
Ca	44	2	He	10207.196	0.641	784184	0.18	10000	102.1	90	110	
Na	23	2	He	9965.201	1.989	16733879	1.61	10000	99.7	90	110	
Mg	24	2	He	10124.945	0.955	10195335	0.84	10000	101.2	90	110	
K	39	2	He	9957.096	1.267	15297389	0.78	10000	99.6	90	110	
Mn	55	2	He	98.870	1.039	876662	0.57	100	98.9	90	110	
Co	59	2	He	102.062	0.579	1470277	0.18	100	102.1	90	110	
Ni	60	2	He	99.739	1.376	358667	1.07	100	99.7	90	110	
Cu	63	2	He	101.726	0.632	877615	0.41	100	101.7	90	110	
Zn	66	2	He	99.148	0.764	190228	0.33	100	99.1	90	110	
Al	27	2	He	97.934	1.961	78652	1.38	100	97.9	90	110	
B	11	1	No Gas	506.585	1.120	1651573	0.97	500	101.3	90	110	
Al	27	1	No Gas	102.392	1.192	2485516	0.78	100	102.4	90	110	
Si	28	1	No Gas	535.045	1.071	7228013	0.77	500	107.0	90	110	
Ag	107	1	No Gas	103.232	1.202	2399025	0.47	100	103.2	90	110	
Cd	111	1	No Gas	103.618	2.026	492087	0.38	100	103.6	90	110	
Sr	88	1	No Gas	104.716	2.513	5014206	0.87	100	104.7	90	110	
Mo	95	1	No Gas	98.980	3.148	954699	2.03	100	99.0	90	110	
Sn	118	1	No Gas	103.785	3.113	1509618	1.69	100	103.8	90	110	
Sb	121	1	No Gas	102.634	0.494	2049641	0.13	100	102.6	90	110	
Ba	137	1	No Gas	103.063	2.209	825949	1.01	100	103.1	90	110	
Tl	205	1	No Gas	103.849	5.952	3806488	2.21	100	103.8	90	110	
Tl	203	1	No Gas	105.300	4.916	1654534	0.54	100	105.3	90	110	
Pb	208	1	No Gas	101.872	4.485	5505857	1.16	100	101.9	90	110	
U	238	1	No Gas	103.240	5.078	5549946	1.59	100	103.2	90	110	
Ca	43	2	He	9885.404	3.284	46505	2.80	10000	98.9	90	110	
Sb	121	2	He	97.306	2.845	1033226	2.66	100	97.3	90	110	
Ti	47	2	He	101.738	1.329	42516	0.82	100	101.7	90	110	
Cu	63	1	No Gas	103.195	0.849	1777168	1.18	100	103.2	90	110	
Se	82	1	No Gas	100.804	2.310	37097	2.62	100	100.8	90	110	

QC ISTD Table

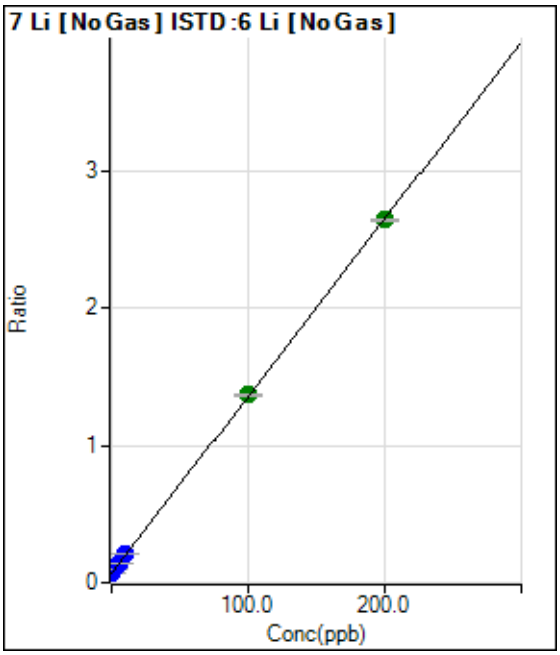
Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1327938	0.71	1347953	98.52	70	120	
Ge	72	2	He	1053289	0.51	1047186	100.58	70	120	
Ge	72	1	No Gas	3493729	0.36	3504068	99.70	70	120	
In	115	1	No Gas	4006630	1.66	4101195	97.69	70	120	
Bi	209	1	No Gas	3389493	4.50	3488917	97.15	70	120	

Calibration for 329_ICV.d

Batch Folder: C:\Agilent\ICPMH\1\DATA\062023A.b\
Analysis File: 062023A.batch.bin
DA Date-Time: 6/20/2023 10:13:19 PM
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	322CALB.d	CAL BLK	6/20/2023 9:59:28 PM
2	323CALS.d	2/10/200	6/20/2023 10:01:24 PM
3	324CALS.d	5/25/500	6/20/2023 10:03:19 PM
4	325CALS.d	10/50/100	6/20/2023 10:05:14 PM
5	326CALS.d	100/500/10K	6/20/2023 10:07:09 PM
6	327CALS.d	200/1000/20K	6/20/2023 10:08:56 PM

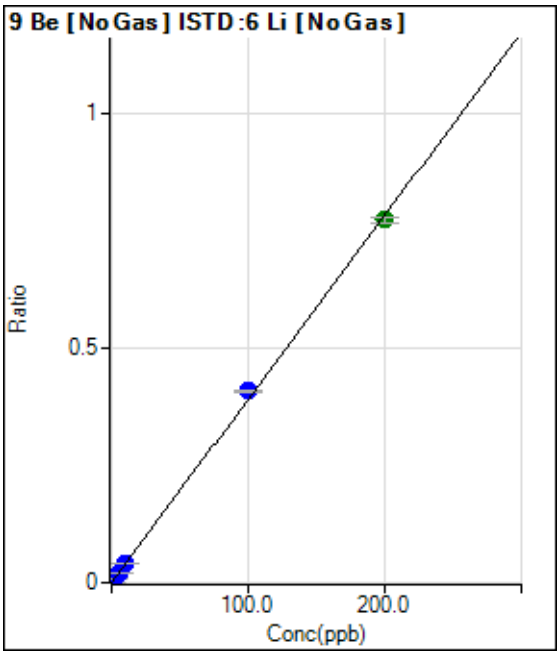
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	91214.36	0.0677	P	1.7
2	☐	2.000	2.154	129264.73	0.0954	P	0.4
3	☐	5.000	5.465	187757.94	0.1381	P	2.3
4	☐	10.000	10.900	282170.80	0.2081	P	0.1
5	☐	100.000	100.645	1791909.66	1.3642	A	1.2
6	☐	200.000	199.619	3379912.87	2.6391	A	0.9

y = 0.0129 * x + 0.0677
R = 1.0000
DL = 0.2709
BEC = 5.253

Weight: <None>
Min Conc: <None>

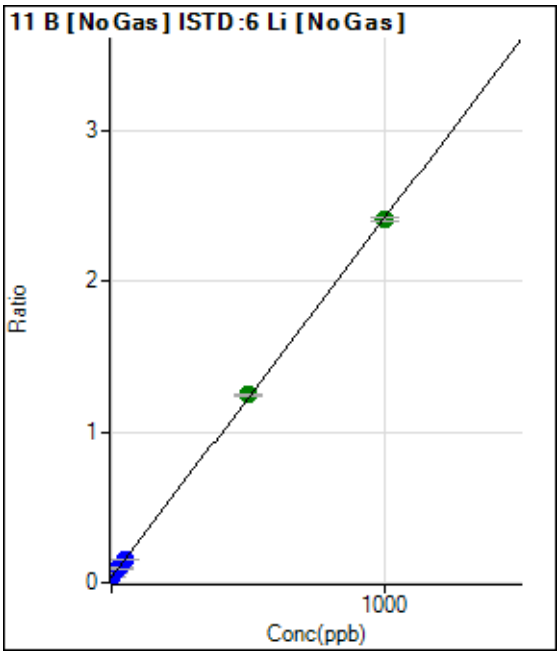


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	18.33	0.0000	P	78.8
2	☐	2.000	2.008	10639.11	0.0079	P	1.6
3	☐	5.000	5.181	27533.61	0.0202	P	2.4
4	☐	10.000	10.278	54449.91	0.0402	P	1.6
5	☐	100.000	104.424	535728.22	0.4078	P	0.7
6	☐	200.000	197.769	989138.52	0.7724	A	1.4

y = 0.0039 * x + 1.3603E-005
R = 0.9997
DL = 0.008229
BEC = 0.003483

Weight: <None>
Min Conc: <None>

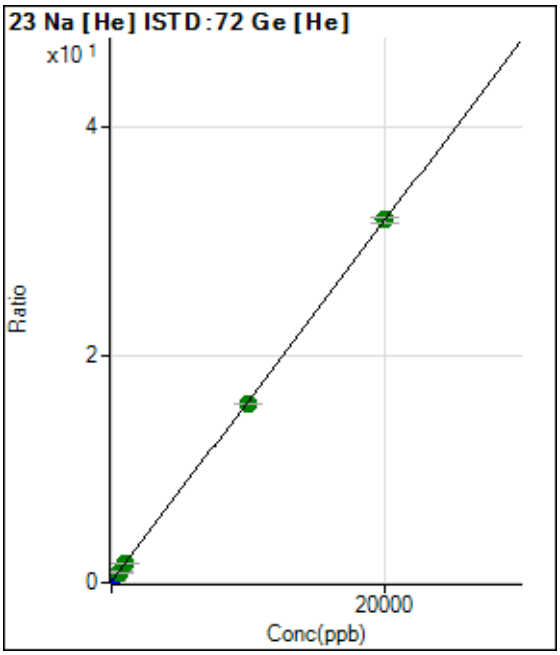
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	49250.85	0.0365	P	1.0
2	☐	10.000	9.668	80703.28	0.0596	P	1.2
3	☐	25.000	24.980	130634.10	0.0961	P	2.6
4	☐	50.000	50.996	214327.70	0.1581	P	1.1
5	☐	500.000	508.369	1639448.88	1.2480	A	1.1
6	☐	1000.000	995.770	3086224.95	2.4095	A	1.1

y = 0.0024 * x + 0.0365
R = 0.9999
DL = 0.4599
BEC = 15.33

Weight: <None>
Min Conc: <None>

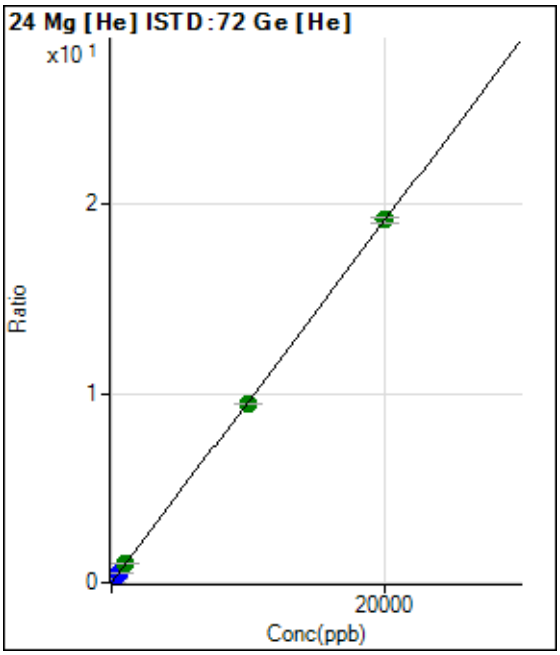


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	92555.10	0.0884	P	1.1
2	☐	200.000	221.387	453099.17	0.4394	P	2.5
3	☐	500.000	522.531	960153.81	0.9169	A	3.2
4	☐	1000.000	1006.745	1776680.65	1.6846	A	4.4
5	☐	10000.00	9870.279	16112981.84	15.7376	A	0.5
6	☐	20000.00	20063.74	31515454.53	31.8992	A	1.3

y = 0.0016 * x + 0.0884
R = 1.0000
DL = 1.778
BEC = 55.75

Weight: <None>
Min Conc: <None>

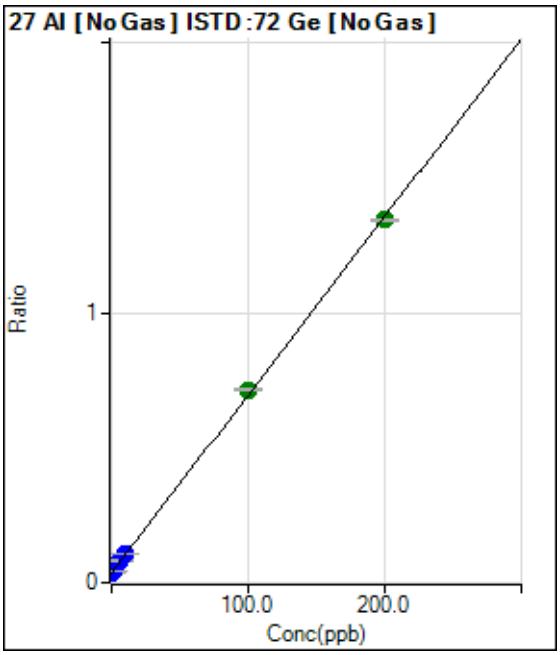
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1906.83	0.0018	P	3.0
2	☐	200.000	224.914	223579.98	0.2168	P	1.9
3	☐	500.000	554.989	557585.37	0.5323	P	1.4
4	☐	1000.000	1025.508	1035947.43	0.9820	A	3.2
5	☐	10000.00	9888.414	9679399.23	9.4536	A	0.8
6	☐	20000.00	20052.89	18937565.55	19.1692	A	1.9

y = 9.5584E-004 * x + 0.0018
R = 1.0000
DL = 0.1737
BEC = 1.905

Weight: <None>
Min Conc: <None>

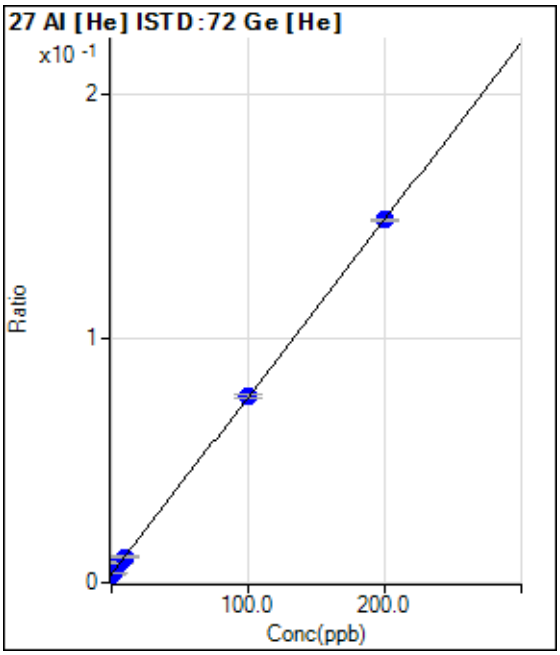


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	125808.32	0.0359	P	1.4
2	☐	2.000	0.542	138905.30	0.0395	P	0.5
3	☐	5.000	6.941	286705.24	0.0817	P	0.9
4	☐	10.000	10.832	379663.68	0.1074	P	0.3
5	☐	100.000	103.119	2492159.80	0.7162	A	1.1
6	☐	200.000	198.365	4551804.72	1.3446	A	0.6

y = 0.0066 * x + 0.0359
R = 0.9997
DL = 0.2221
BEC = 5.442

Weight: <None>
Min Conc: <None>

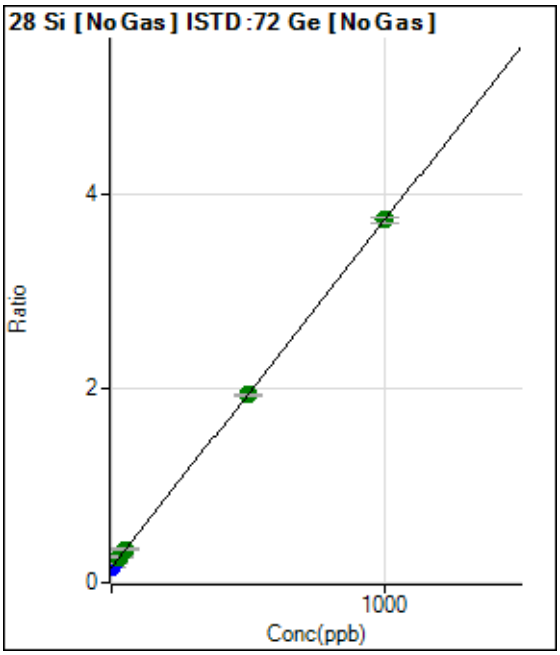
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3660.53	0.0035	P	4.4
2	☐	2.000	0.748	4164.06	0.0040	P	7.2
3	☐	5.000	6.457	8572.79	0.0082	P	5.5
4	☐	10.000	9.754	11171.34	0.0106	P	2.5
5	☐	100.000	100.109	78068.23	0.0763	P	1.9
6	☐	200.000	199.934	147029.91	0.1488	P	0.8

y = 7.2684E-004 * x + 0.0035
R = 0.9999
DL = 0.6414
BEC = 4.808

Weight: <None>
Min Conc: <None>

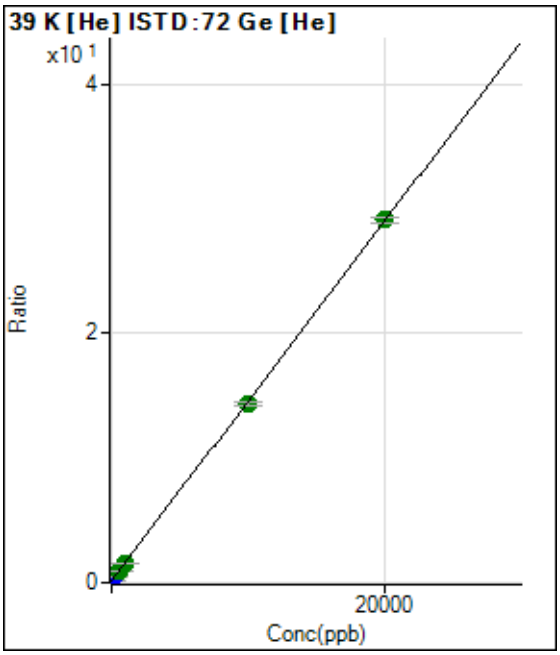


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	549243.20	0.1568	P	0.8
2	☐	10.000	11.589	697220.22	0.1982	P	1.3
3	☐	25.000	30.510	932797.09	0.2658	A	2.5
4	☐	50.000	53.011	1223938.37	0.3462	A	2.0
5	☐	500.000	497.226	6728354.07	1.9337	A	1.5
6	☐	1000.000	1001.083	12640822.73	3.7344	A	1.5

y = 0.0036 * x + 0.1568
R = 1.0000
DL = 1.06
BEC = 43.86

Weight: <None>
Min Conc: <None>

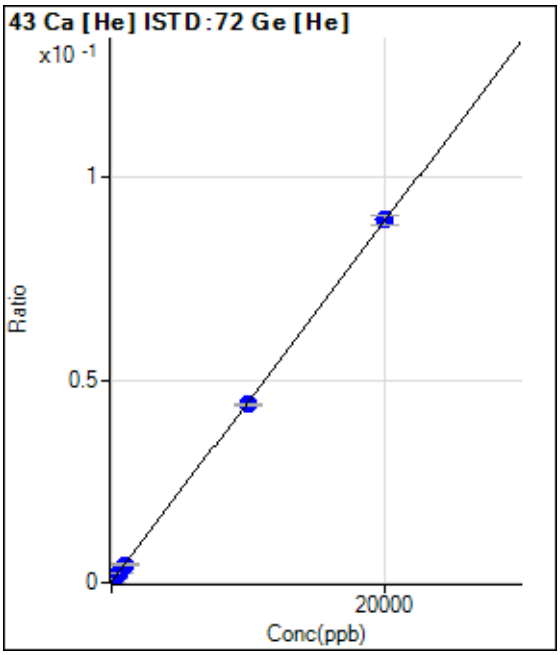
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	165135.25	0.1577	P	0.8
2	☐	200.000	216.005	484011.15	0.4694	P	2.3
3	☐	500.000	519.021	949442.51	0.9066	A	3.3
4	☐	1000.000	998.272	1685886.69	1.5980	A	2.1
5	☐	10000.00	9840.384	14698254.78	14.3557	A	1.9
6	☐	20000.00	20079.25	28778271.24	29.1286	A	1.3

y = 0.0014 * x + 0.1577
R = 1.0000
DL = 2.487
BEC = 109.3

Weight: <None>
Min Conc: <None>

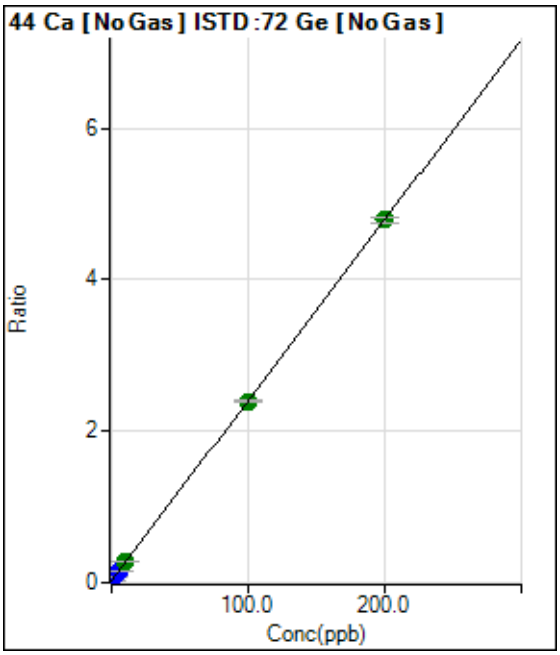


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	153.33	0.0001	P	14.2
2	☐	200.000	186.391	1006.72	0.0010	P	1.4
3	☐	500.000	520.956	2583.63	0.0025	P	9.8
4	☐	1000.000	949.381	4610.86	0.0044	P	7.3
5	☐	10000.00	9852.711	45060.65	0.0440	P	0.6
6	☐	20000.00	20075.78	88439.67	0.0895	P	2.5

y = 4.4521E-006 * x + 1.4631E-004
R = 1.0000
DL = 14
BEC = 32.86

Weight: <None>
Min Conc: <None>

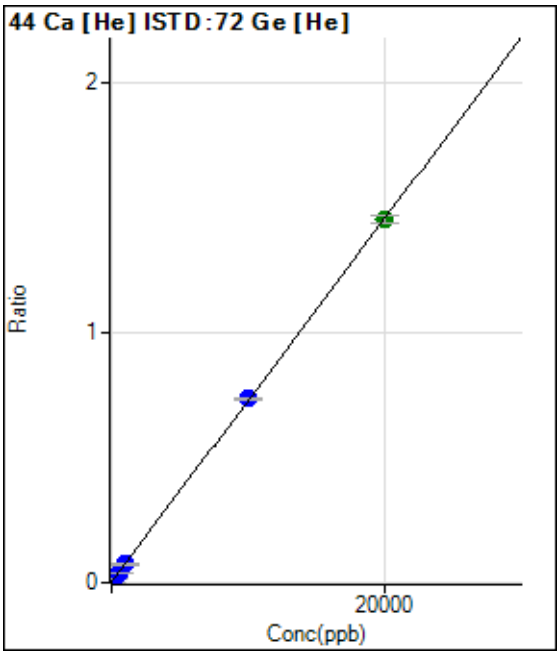
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	90922.58	0.0260	P	1.5
2	☐	2.000	2.102	267381.32	0.0760	P	1.5
3	☐	5.000	5.615	560254.33	0.1596	P	1.5
4	☐	10.000	10.439	970369.39	0.2745	A	2.5
5	☐	100.000	99.579	8338898.21	2.3966	A	1.3
6	☐	200.000	200.172	16218933.51	4.7913	A	1.3

y = 0.0238 * x + 0.0260
R = 1.0000
DL = 0.04982
BEC = 1.09

Weight: <None>
Min Conc: <None>

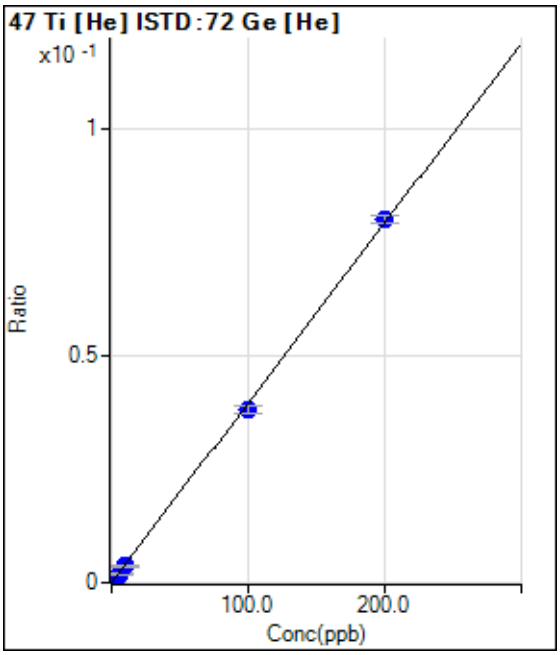


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2583.62	0.0025	P	3.4
2	☐	200.000	195.503	17207.66	0.0167	P	1.8
3	☐	500.000	504.585	41014.86	0.0391	P	1.1
4	☐	1000.000	988.842	78426.12	0.0744	P	3.6
5	☐	10000.00	10108.95	754908.24	0.7374	P	1.5
6	☐	20000.00	19946.00	1434956.90	1.4525	A	2.2

y = 7.2700E-005 * x + 0.0025
R = 1.0000
DL = 3.504
BEC = 33.93

Weight: <None>
Min Conc: <None>

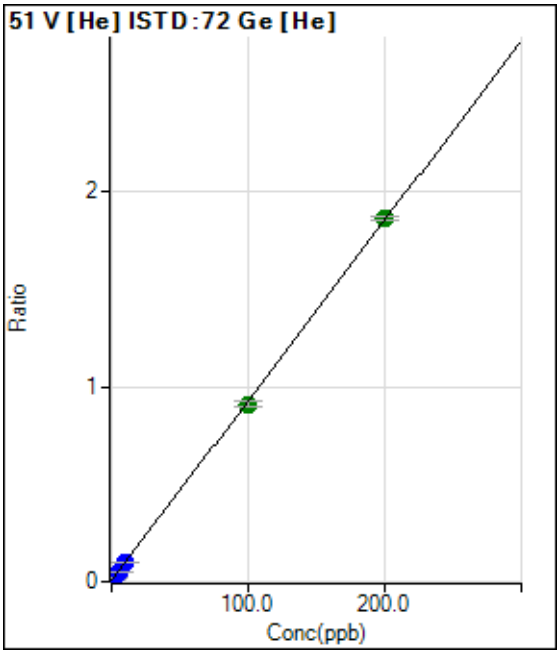
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	26.67	0.0000	P	57.1
2	☐	2.000	2.014	850.04	0.0008	P	2.7
3	☐	5.000	4.724	1986.85	0.0019	P	13.6
4	☐	10.000	9.391	3950.64	0.0037	P	10.3
5	☐	100.000	96.452	39176.27	0.0383	P	4.1
6	☐	200.000	201.811	79080.06	0.0800	P	2.1

y = 3.9652E-004 * x + 2.5409E-005
R = 0.9998
DL = 0.1098
BEC = 0.06408

Weight: <None>
Min Conc: <None>

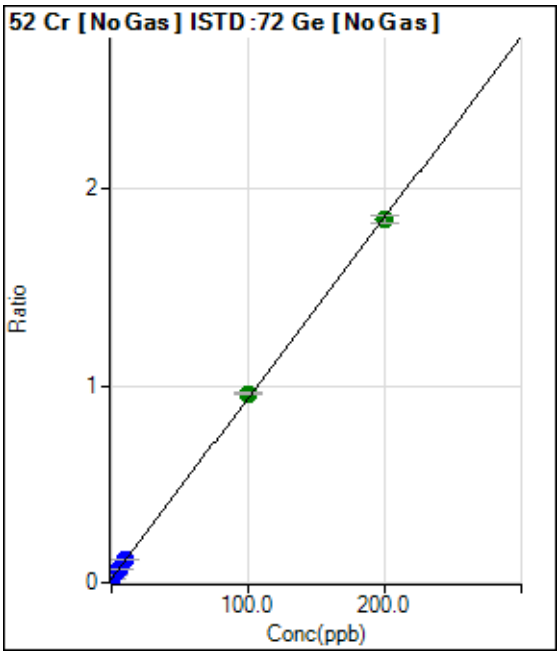


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5891.30	0.0056	P	0.4
2	☐	2.000	2.045	25287.74	0.0245	P	1.5
3	☐	5.000	5.080	55058.83	0.0526	P	1.5
4	☐	10.000	9.959	103008.06	0.0976	P	2.0
5	☐	100.000	98.051	933089.82	0.9115	A	2.9
6	☐	200.000	200.974	1840089.30	1.8625	A	1.1

y = 0.0092 * x + 0.0056
R = 0.9999
DL = 0.00747
BEC = 0.6089

Weight: <None>
Min Conc: <None>

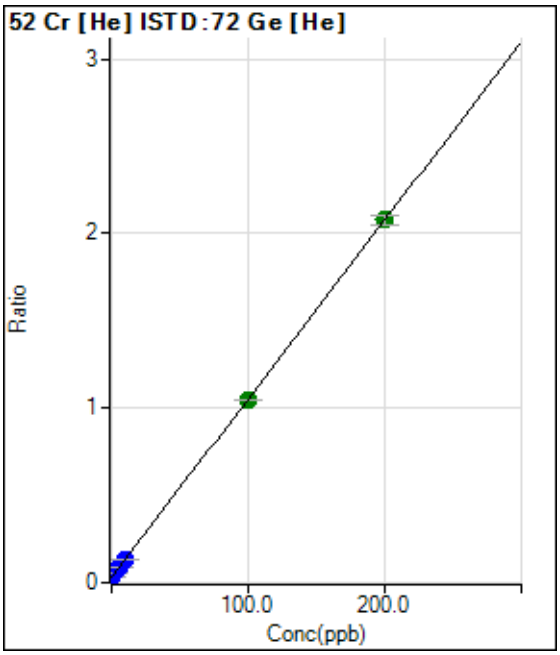
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	70226.37	0.0200	P	1.7
2	☐	2.000	2.278	144061.36	0.0409	P	0.3
3	☐	5.000	5.541	248774.77	0.0709	P	0.6
4	☐	10.000	11.001	427786.19	0.1210	P	1.1
5	☐	100.000	102.606	3345833.59	0.9616	A	1.5
6	☐	200.000	198.631	6237629.70	1.8428	A	2.2

y = 0.0092 * x + 0.0200
R = 0.9999
DL = 0.1085
BEC = 2.184

Weight: <None>
Min Conc: <None>

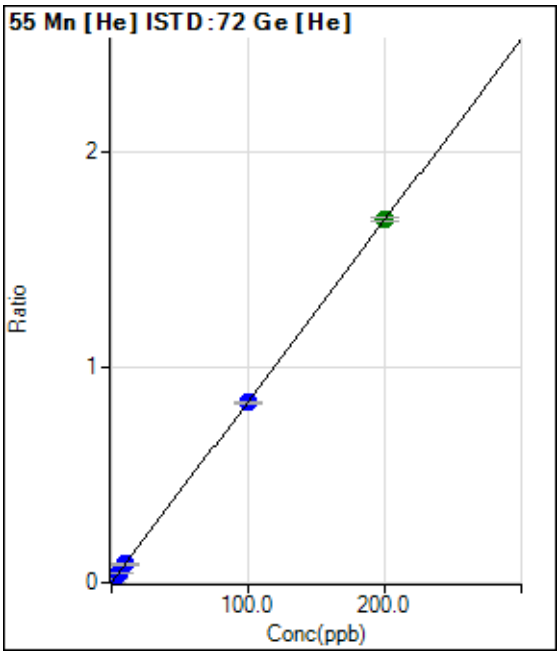


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	31206.08	0.0298	P	1.3
2	☐	2.000	2.237	54317.81	0.0527	P	1.9
3	☐	5.000	5.307	88062.05	0.0841	P	2.1
4	☐	10.000	10.395	143573.51	0.1361	P	1.7
5	☐	100.000	99.459	1071642.95	1.0467	A	0.8
6	☐	200.000	200.241	2052084.87	2.0772	A	2.4

y = 0.0102 * x + 0.0298
R = 1.0000
DL = 0.1159
BEC = 2.915

Weight: <None>
Min Conc: <None>

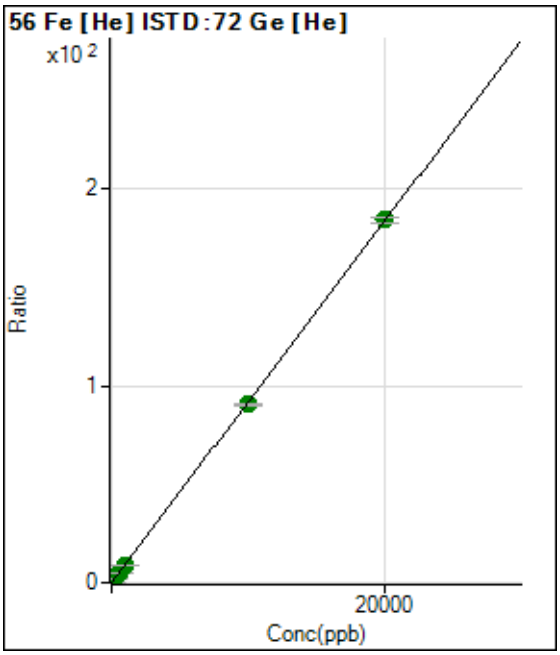
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1050.06	0.0010	P	14.1
2	☐	2.000	2.098	19220.44	0.0186	P	3.3
3	☐	5.000	5.233	47144.88	0.0450	P	1.0
4	☐	10.000	10.044	90132.54	0.0855	P	3.6
5	☐	100.000	99.504	857599.88	0.8377	P	1.3
6	☐	200.000	200.239	1664432.37	1.6847	A	1.2

y = 0.0084 * x + 0.0010
R = 1.0000
DL = 0.05058
BEC = 0.1192

Weight: <None>
Min Conc: <None>

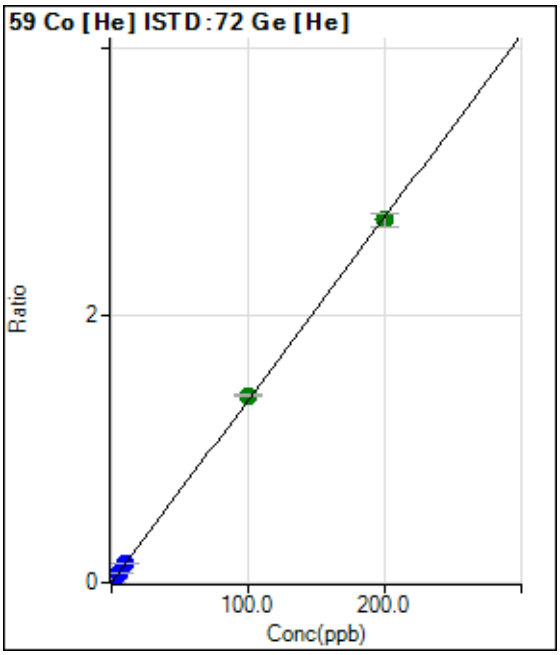


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	36225.02	0.0346	P	3.1
2	☐	200.000	209.035	2014870.44	1.9538	A	2.0
3	☐	500.000	506.620	4908473.05	4.6861	A	1.4
4	☐	1000.000	991.929	9645138.19	9.1419	A	1.7
5	☐	10000.00	9853.898	92662298.62	90.5068	A	1.1
6	☐	20000.00	20073.19	182115990.6	184.334	A	1.4

y = 0.0092 * x + 0.0346
R = 1.0000
DL = 0.3553
BEC = 3.768

Weight: <None>
Min Conc: <None>

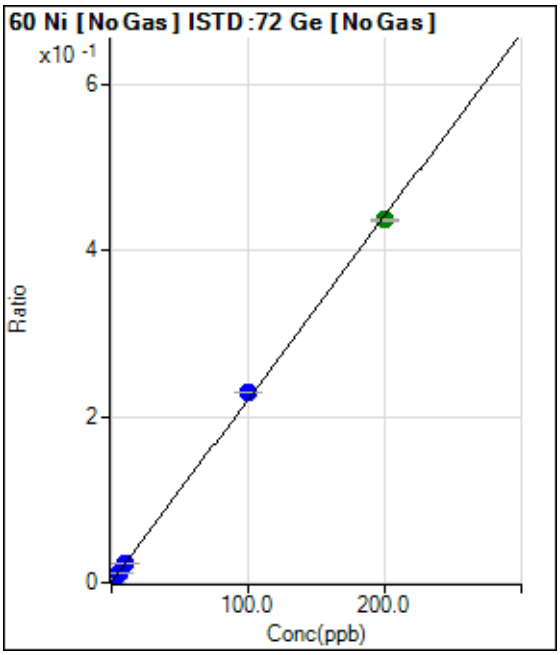
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	166.67	0.0002	P	47.5
2	☐	2.000	2.152	30517.87	0.0296	P	1.2
3	☐	5.000	5.250	75381.18	0.0720	P	1.0
4	☐	10.000	10.345	149391.56	0.1416	P	3.0
5	☐	100.000	102.598	1436873.73	1.4032	A	1.8
6	☐	200.000	198.676	2683986.63	2.7172	A	3.5

y = 0.0137 * x + 1.5890E-004
R = 0.9999
DL = 0.01654
BEC = 0.01162

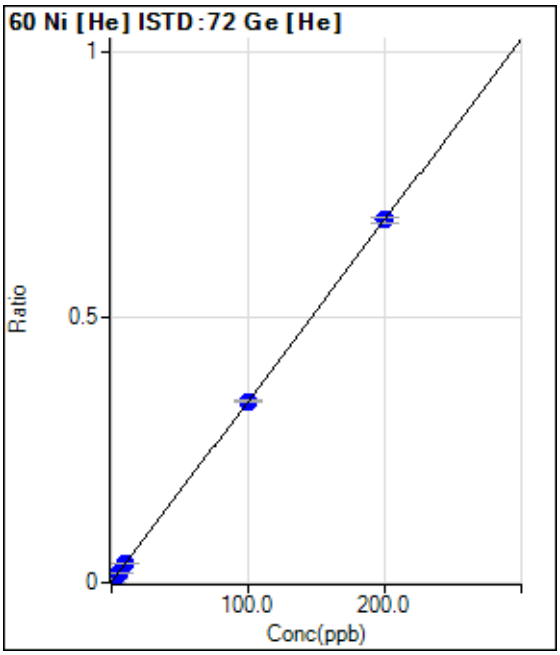
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1720.15	0.0005	P	1.2
2	☐	2.000	2.285	19454.13	0.0055	P	2.0
3	☐	5.000	5.415	43643.56	0.0124	P	0.7
4	☐	10.000	10.625	84598.35	0.0239	P	0.8
5	☐	100.000	103.832	798497.12	0.2295	P	0.9
6	☐	200.000	198.039	1480243.47	0.4372	A	0.3

y = 0.0022 * x + 4.9093E-004
R = 0.9997
DL = 0.00819
BEC = 0.2226

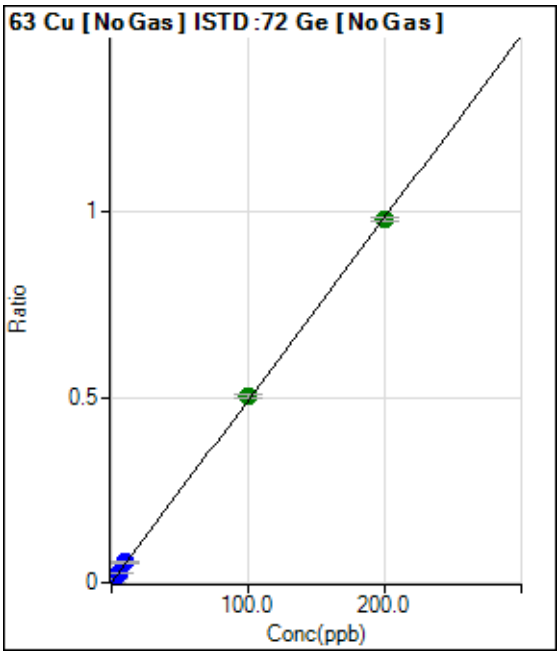
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	780.04	0.0007	P	8.6
2	☐	2.000	2.078	8072.52	0.0078	P	4.1
3	☐	5.000	5.210	19377.39	0.0185	P	1.7
4	☐	10.000	10.213	37478.58	0.0355	P	4.5
5	☐	100.000	99.739	348636.95	0.3405	P	1.1
6	☐	200.000	200.114	674251.32	0.6825	P	1.6

y = 0.0034 * x + 7.4463E-004
R = 1.0000
DL = 0.05623
BEC = 0.2186

Weight: <None>
Min Conc: <None>

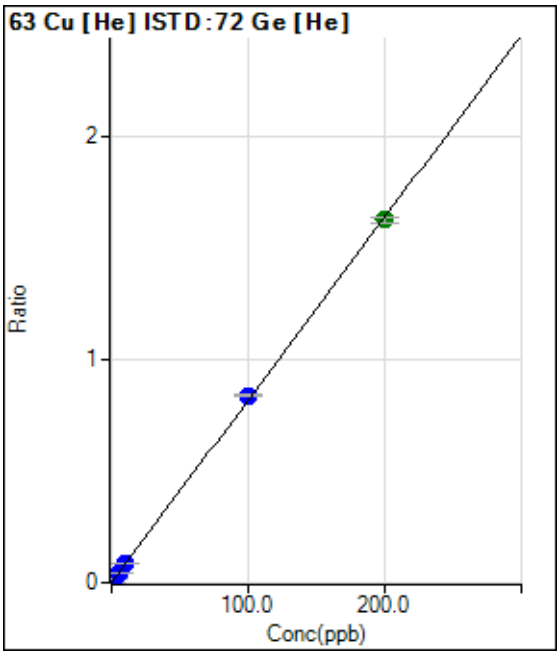


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1716.81	0.0005	P	5.1
2	☐	2.000	2.277	41175.93	0.0117	P	0.7
3	☐	5.000	5.587	98269.47	0.0280	P	2.3
4	☐	10.000	11.025	193693.12	0.0548	P	1.0
5	☐	100.000	102.216	1752983.67	0.5038	A	2.1
6	☐	200.000	198.823	3316055.47	0.9796	A	0.9

y = 0.0049 * x + 4.8994E-004
R = 0.9999
DL = 0.01514
BEC = 0.09949

Weight: <None>
Min Conc: <None>

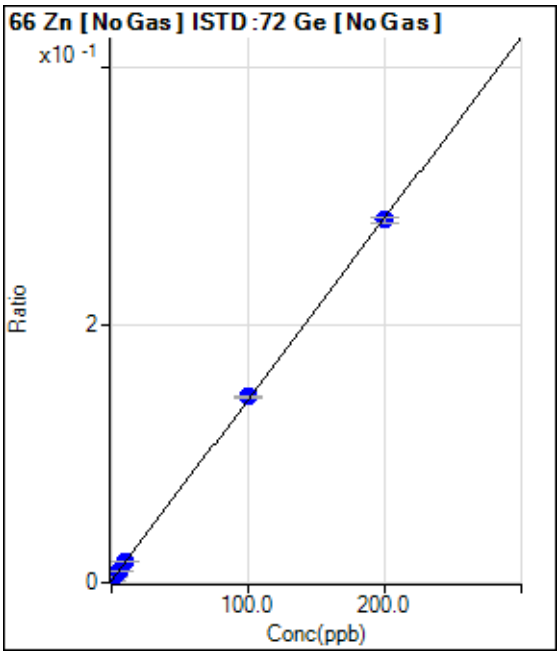
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	760.04	0.0007	P	12.4
2	☐	2.000	2.175	19107.10	0.0185	P	1.4
3	☐	5.000	5.351	46633.37	0.0445	P	2.5
4	☐	10.000	10.477	91221.55	0.0865	P	2.7
5	☐	100.000	102.458	859174.15	0.8392	P	1.0
6	☐	200.000	198.737	1607572.01	1.6271	A	1.6

y = 0.0082 * x + 7.2630E-004
R = 0.9999
DL = 0.03288
BEC = 0.08875

Weight: <None>
Min Conc: <None>

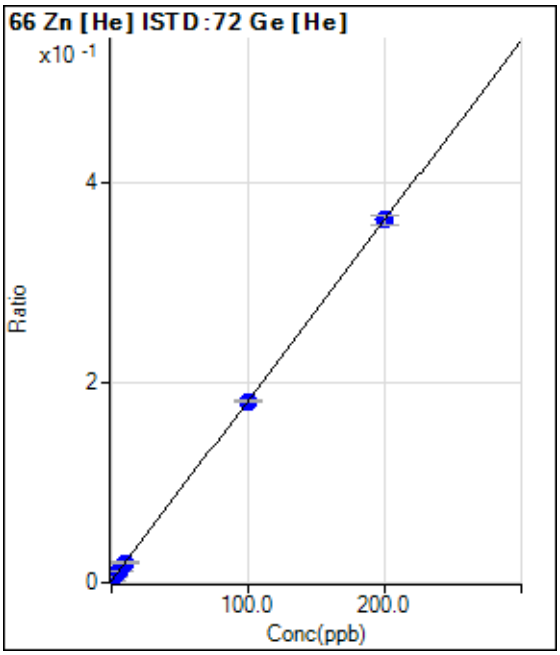


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5784.70	0.0017	P	2.4
2	☐	2.000	2.205	16703.78	0.0047	P	3.5
3	☐	5.000	5.373	32268.83	0.0092	P	1.9
4	☐	10.000	10.465	57789.59	0.0163	P	1.3
5	☐	100.000	101.673	502463.82	0.1444	P	1.3
6	☐	200.000	199.129	952012.04	0.2812	P	1.3

y = 0.0014 * x + 0.0017
R = 1.0000
DL = 0.08331
BEC = 1.176

Weight: <None>
Min Conc: <None>

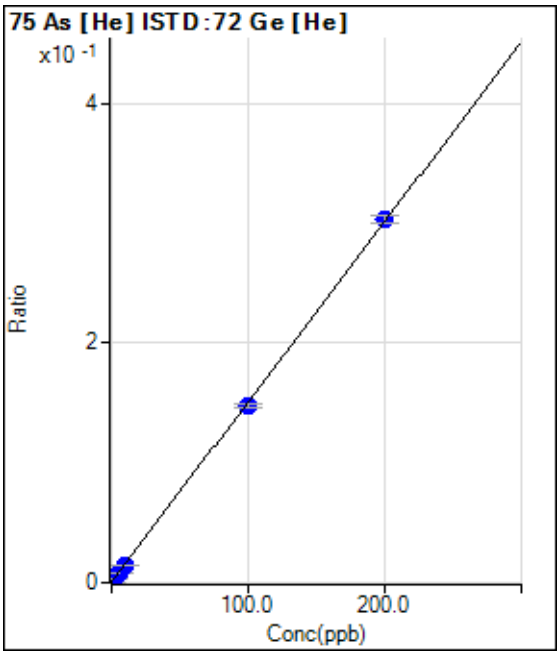
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2346.92	0.0022	P	18.1
2	☐	2.000	2.073	6154.84	0.0060	P	5.1
3	☐	5.000	4.856	11501.71	0.0110	P	1.5
4	☐	10.000	9.880	21116.69	0.0200	P	2.3
5	☐	100.000	99.585	185701.46	0.1814	P	1.5
6	☐	200.000	200.216	358035.20	0.3624	P	2.7

y = 0.0018 * x + 0.0022
R = 1.0000
DL = 0.6776
BEC = 1.245

Weight: <None>
Min Conc: <None>

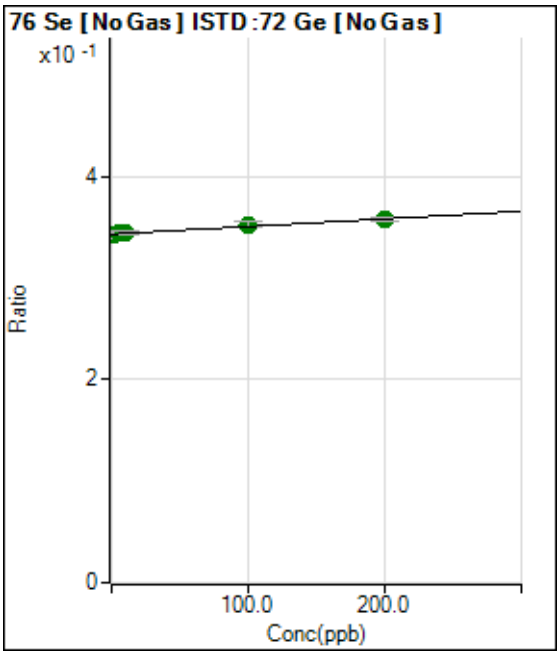


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	362.23	0.0003	P	12.5
2	☐	2.000	2.061	3553.82	0.0034	P	2.5
3	☐	5.000	4.937	8133.59	0.0078	P	4.6
4	☐	10.000	9.649	15661.35	0.0148	P	4.1
5	☐	100.000	97.962	151109.57	0.1476	P	1.2
6	☐	200.000	201.038	298877.43	0.3025	P	2.2

y = 0.0015 * x + 3.4606E-004
R = 0.9999
DL = 0.08658
BEC = 0.2302

Weight: <None>
Min Conc: <None>

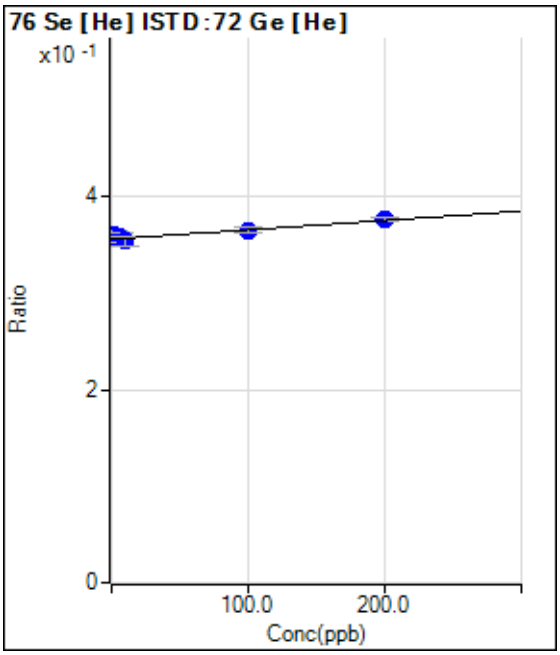
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1203272.79	0.3434	A	1.8
2	☐	2.000	-7.514	1206521.05	0.3429	A	1.8
3	☐	5.000	8.355	1207511.47	0.3441	A	0.9
4	☐	10.000	20.442	1219730.01	0.3450	A	1.0
5	☐	100.000	128.068	1228593.86	0.3531	A	1.6
6	☐	200.000	185.455	1209802.79	0.3574	A	1.1

y = 7.5181E-005 * x + 0.3434
R = 0.9825
DL = 252.7
BEC = 4568

Weight: <None>
Min Conc: <None>

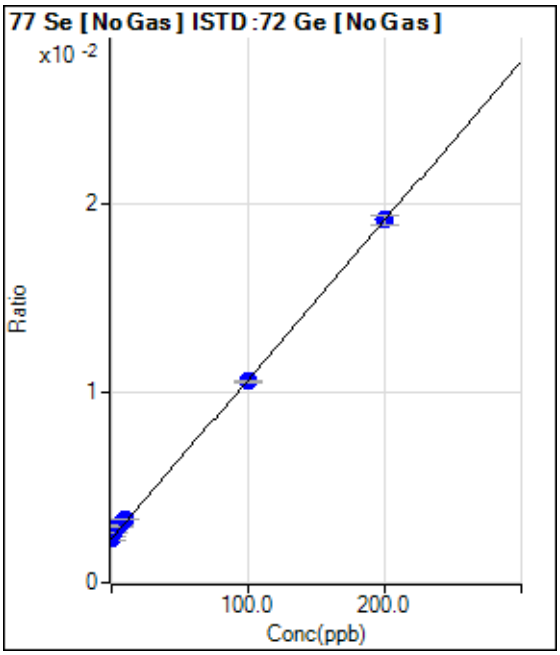


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	372852.99	0.3561	P	1.9
2	☐	2.000	44.300	371649.23	0.3604	P	2.0
3	☐	5.000	19.301	374905.07	0.3580	P	2.4
4	☐	10.000	-22.571	373332.78	0.3539	P	2.5
5	☐	100.000	90.883	373572.32	0.3649	P	1.7
6	☐	200.000	205.406	371501.86	0.3760	P	1.1

y = 9.7034E-005 * x + 0.3561
R = 0.9543
DL = 204.5
BEC = 3670

Weight: <None>
Min Conc: <None>

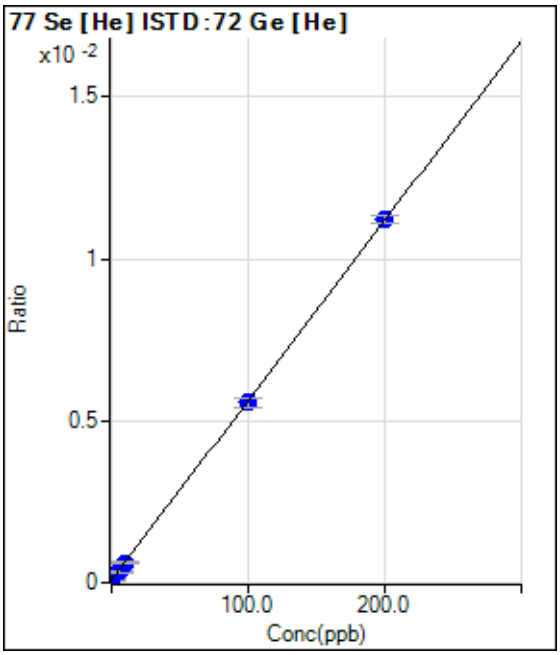
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8145.95	0.0023	P	7.1
2	☐	2.000	3.728	9280.03	0.0026	P	3.3
3	☐	5.000	8.122	10550.94	0.0030	P	3.4
4	☐	10.000	12.606	11962.18	0.0034	P	0.5
5	☐	100.000	99.044	37044.60	0.0106	P	1.0
6	☐	200.000	200.252	64818.84	0.0192	P	2.5

y = 8.4031E-005 * x + 0.0023
R = 0.9999
DL = 5.892
BEC = 27.65

Weight: <None>
Min Conc: <None>

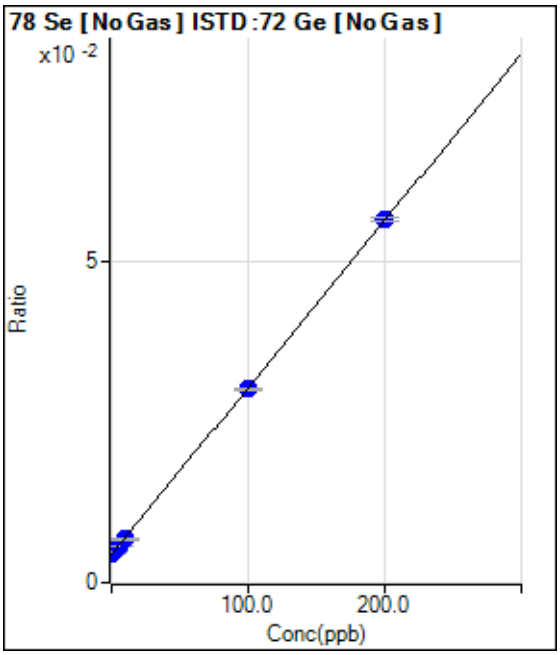


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	80.00	0.0001	P	37.3
2	☐	2.000	2.818	240.01	0.0002	P	4.5
3	☐	5.000	4.770	356.68	0.0003	P	17.2
4	☐	10.000	9.730	650.03	0.0006	P	9.1
5	☐	100.000	99.134	5711.33	0.0056	P	5.3
6	☐	200.000	200.444	11071.35	0.0112	P	2.3

y = 5.5511E-005 * x + 7.6314E-005
R = 1.0000
DL = 1.537
BEC = 1.375

Weight: <None>
Min Conc: <None>

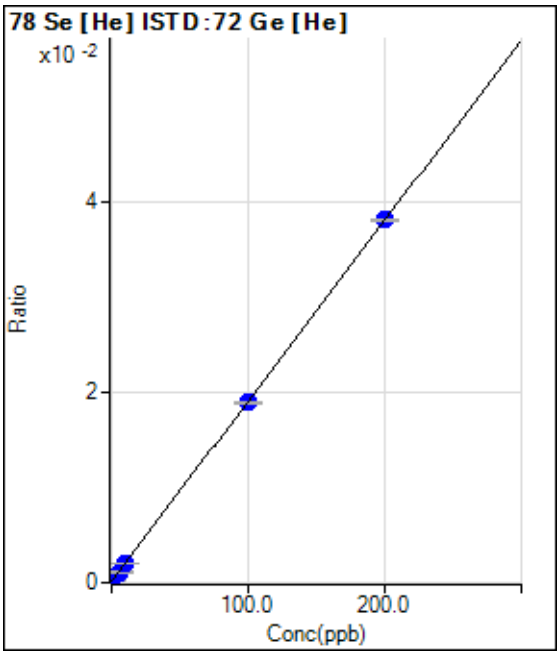
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	15425.81	0.0044	P	0.7
2	☐	2.000	1.774	17104.39	0.0049	P	5.2
3	☐	5.000	4.831	19854.93	0.0057	P	0.3
4	☐	10.000	9.018	23848.10	0.0067	P	2.4
5	☐	100.000	99.086	104866.54	0.0301	P	1.6
6	☐	200.000	200.513	191218.27	0.0565	P	0.9

y = 2.5973E-004 * x + 0.0044
R = 1.0000
DL = 0.3498
BEC = 16.95

Weight: <None>
Min Conc: <None>

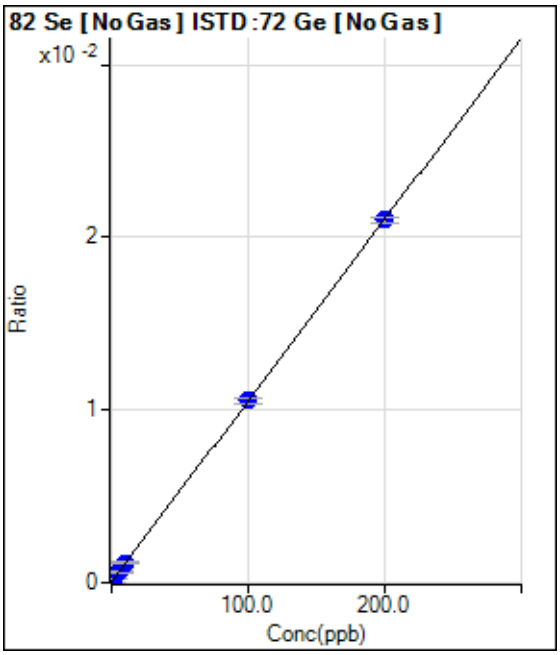


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	176.00	0.0002	P	3.1
2	☐	2.000	1.908	546.01	0.0005	P	7.2
3	☐	5.000	4.854	1138.72	0.0011	P	6.0
4	☐	10.000	9.790	2133.51	0.0020	P	5.0
5	☐	100.000	99.191	19415.28	0.0190	P	0.8
6	☐	200.000	200.419	37685.13	0.0381	P	0.7

y = 1.8947E-004 * x + 1.6806E-004
R = 1.0000
DL = 0.08204
BEC = 0.887

Weight: <None>
Min Conc: <None>

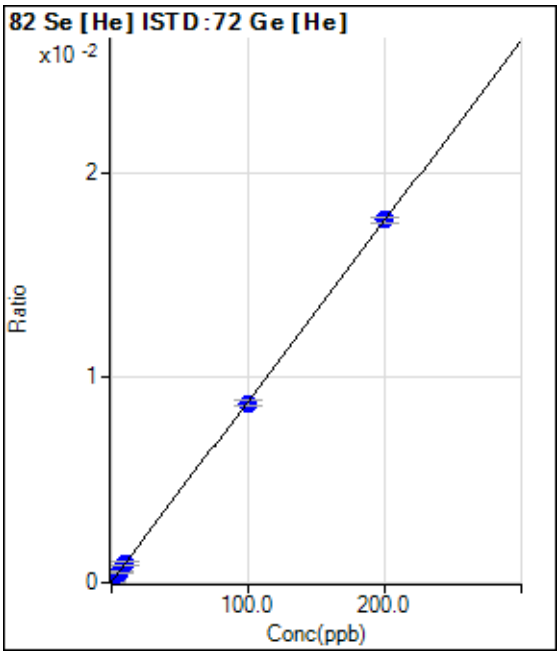
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	178.42	0.0001	P	6.5
2	☐	2.000	1.935	891.45	0.0003	P	15.1
3	☐	5.000	5.355	2149.11	0.0006	P	0.5
4	☐	10.000	10.604	4109.18	0.0012	P	7.5
5	☐	100.000	100.155	36705.97	0.0105	P	3.3
6	☐	200.000	199.884	71097.21	0.0210	P	1.7

y = 1.0482E-004 * x + 5.0940E-005
R = 1.0000
DL = 0.09523
BEC = 0.486

Weight: <None>
Min Conc: <None>

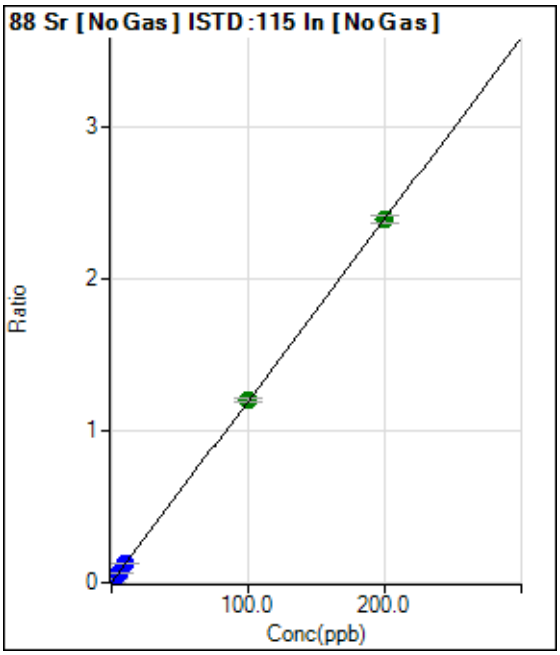


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	46.67	0.0000	P	75.8
2	☐	2.000	2.725	293.35	0.0003	P	34.8
3	☐	5.000	5.238	530.02	0.0005	P	13.3
4	☐	10.000	9.908	966.72	0.0009	P	21.6
5	☐	100.000	99.082	8979.88	0.0088	P	3.9
6	☐	200.000	200.450	17481.62	0.0177	P	1.8

y = 8.8045E-005 * x + 4.4651E-005
R = 1.0000
DL = 1.153
BEC = 0.5071

Weight: <None>
Min Conc: <None>

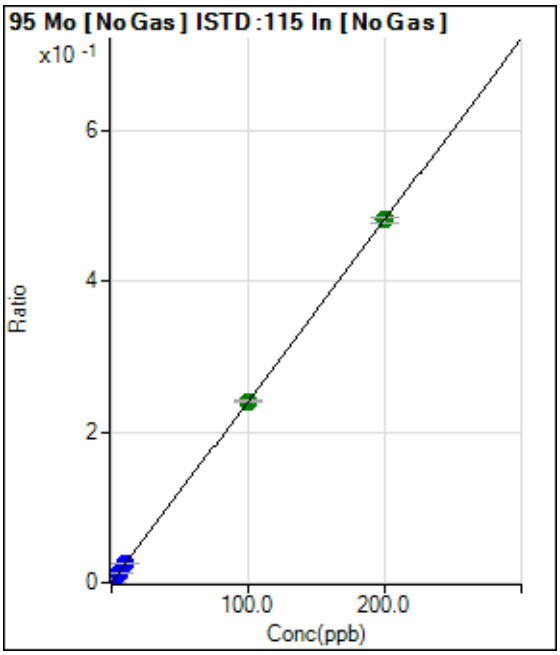
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5677.96	0.0014	P	6.0
2	☐	2.000	2.093	108080.62	0.0264	P	1.7
3	☐	5.000	5.397	270370.09	0.0658	P	1.1
4	☐	10.000	10.719	529870.49	0.1294	P	2.8
5	☐	100.000	100.465	4828903.37	1.2011	A	1.9
6	☐	200.000	199.721	9328614.86	2.3863	A	2.2

y = 0.0119 * x + 0.0014
R = 1.0000
DL = 0.02094
BEC = 0.116

Weight: <None>
Min Conc: <None>

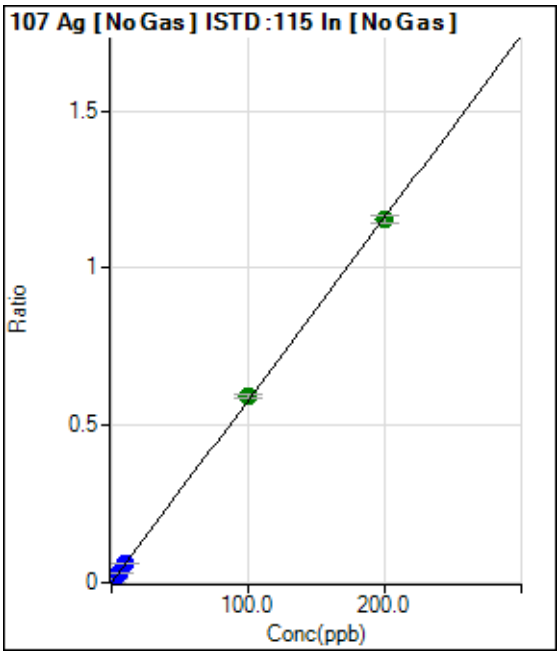


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1046.73	0.0003	P	9.2
2	☐	2.000	2.094	21674.51	0.0053	P	3.7
3	☐	5.000	5.126	51687.12	0.0126	P	1.6
4	☐	10.000	10.198	101504.74	0.0248	P	3.2
5	☐	100.000	99.890	966998.32	0.2405	A	1.6
6	☐	200.000	200.041	1882345.39	0.4814	A	1.9

y = 0.0024 * x + 2.5544E-004
R = 1.0000
DL = 0.0294
BEC = 0.1062

Weight: <None>
Min Conc: <None>

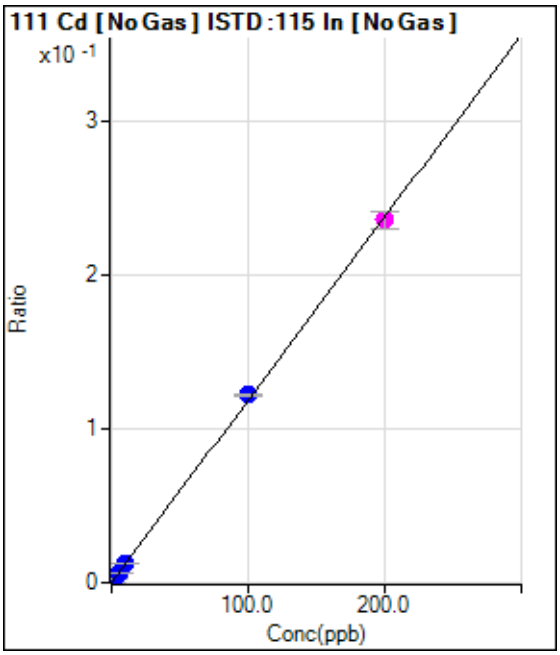
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	180.00	0.0000	P	32.9
2	☐	2.000	2.165	51630.75	0.0126	P	2.6
3	☐	5.000	5.507	131357.59	0.0320	P	2.0
4	☐	10.000	10.936	260047.08	0.0635	P	1.8
5	☐	100.000	102.289	2385773.61	0.5934	A	1.7
6	☐	200.000	198.795	4507980.14	1.1532	A	2.1

y = 0.0058 * x + 4.3732E-005
R = 0.9999
DL = 0.007438
BEC = 0.007539

Weight: <None>
Min Conc: <None>

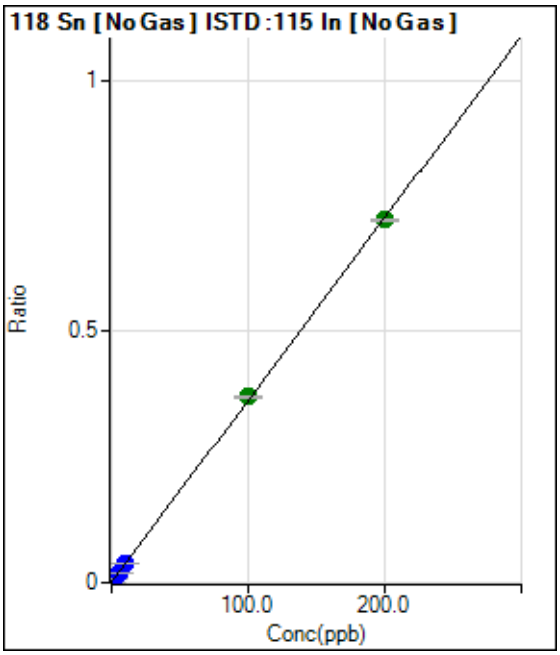


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	-30.07	0.0000	P	-144.5
2	☐	2.000	1.976	9565.29	0.0023	P	3.2
3	☐	5.000	5.191	25247.68	0.0061	P	1.1
4	☐	10.000	10.380	50388.80	0.0123	P	3.3
5	☐	100.000	102.688	489474.05	0.1217	P	0.8
6	☐	200.000	198.633	920275.06	0.2355	M	5.0

y = 0.0012 * x - 7.3568E-006
R = 0.9999
DL = 0.0269
BEC = -0.006205

Weight: <None>
Min Conc: <None>

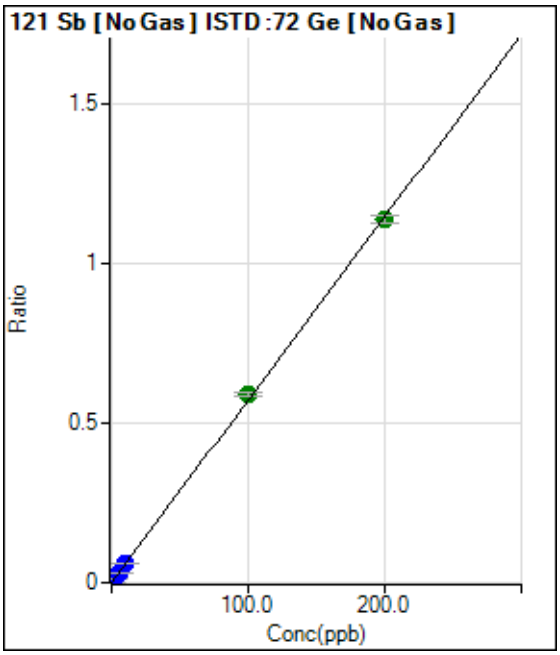
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2413.61	0.0006	P	3.1
2	☐	2.000	2.047	32808.16	0.0080	P	4.7
3	☐	5.000	5.244	80509.22	0.0196	P	3.0
4	☐	10.000	10.427	157300.16	0.0384	P	1.0
5	☐	100.000	101.819	1486794.09	0.3698	A	1.4
6	☐	200.000	199.063	2824391.52	0.7224	A	0.7

y = 0.0036 * x + 5.8849E-004
R = 0.9999
DL = 0.0151
BEC = 0.1623

Weight: <None>
Min Conc: <None>

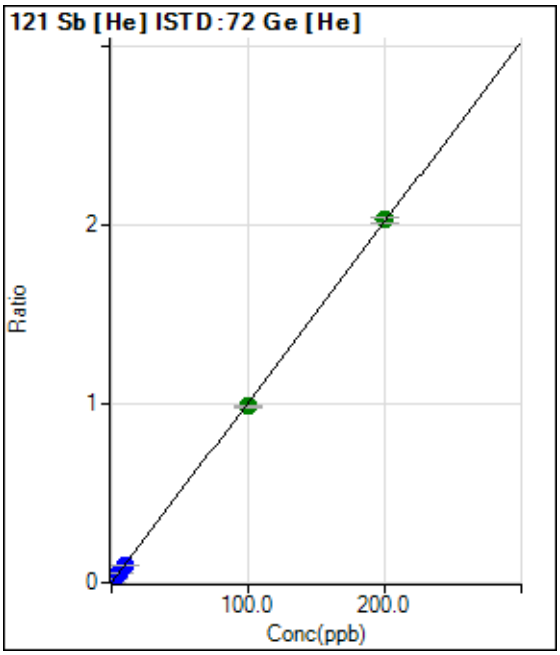


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	360.01	0.0001	P	17.4
2	☐	2.000	2.112	42820.20	0.0122	P	1.9
3	☐	5.000	5.358	107844.20	0.0307	P	2.0
4	☐	10.000	10.514	212836.13	0.0602	P	0.3
5	☐	100.000	102.825	2045242.84	0.5878	A	1.9
6	☐	200.000	198.552	3841967.96	1.1349	A	1.9

y = 0.0057 * x + 1.0275E-004
R = 0.9999
DL = 0.009359
BEC = 0.01798

Weight: <None>
Min Conc: <None>

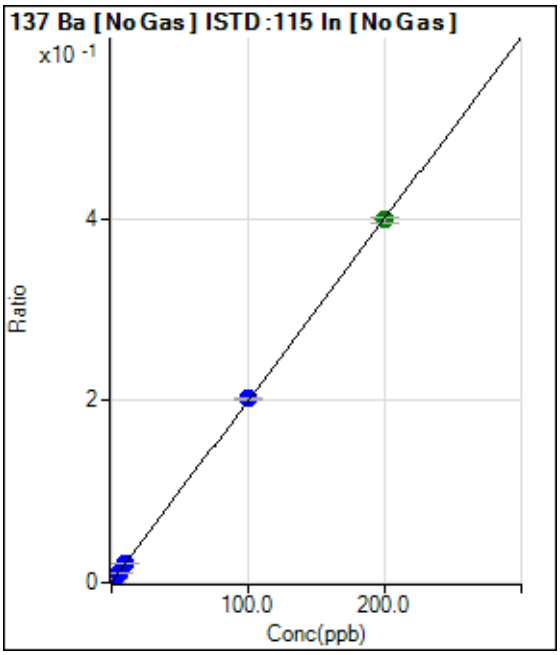
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	153.34	0.0001	P	25.5
2	☐	2.000	1.950	20416.23	0.0198	P	2.7
3	☐	5.000	4.951	52431.77	0.0501	P	2.7
4	☐	10.000	9.585	102065.24	0.0968	P	3.2
5	☐	100.000	97.719	1008612.41	0.9852	A	1.1
6	☐	200.000	201.163	2003433.36	2.0279	A	1.7

y = 0.0101 * x + 1.4623E-004
R = 0.9999
DL = 0.01109
BEC = 0.01451

Weight: <None>
Min Conc: <None>

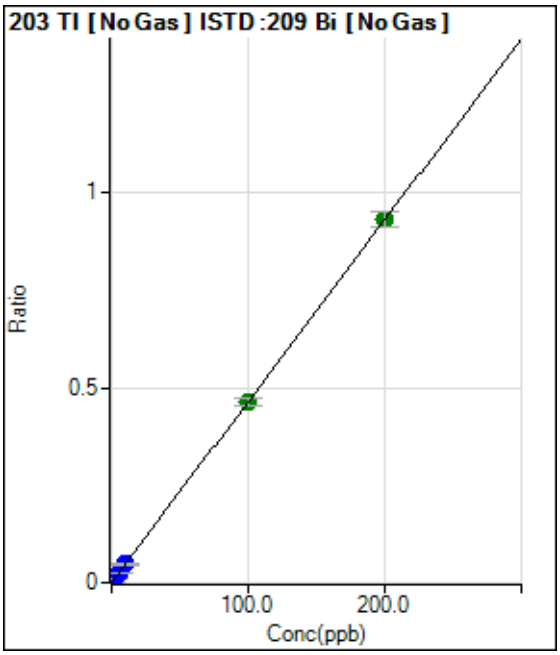


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1323.43	0.0003	P	10.6
2	☐	2.000	2.010	17769.03	0.0043	P	4.5
3	☐	5.000	5.171	43743.75	0.0107	P	2.5
4	☐	10.000	10.237	85091.18	0.0208	P	1.9
5	☐	100.000	101.158	813727.10	0.2024	P	0.7
6	☐	200.000	199.405	1558622.63	0.3986	A	1.2

y = 0.0020 * x + 3.2294E-004
R = 1.0000
DL = 0.05162
BEC = 0.1617

Weight: <None>
Min Conc: <None>

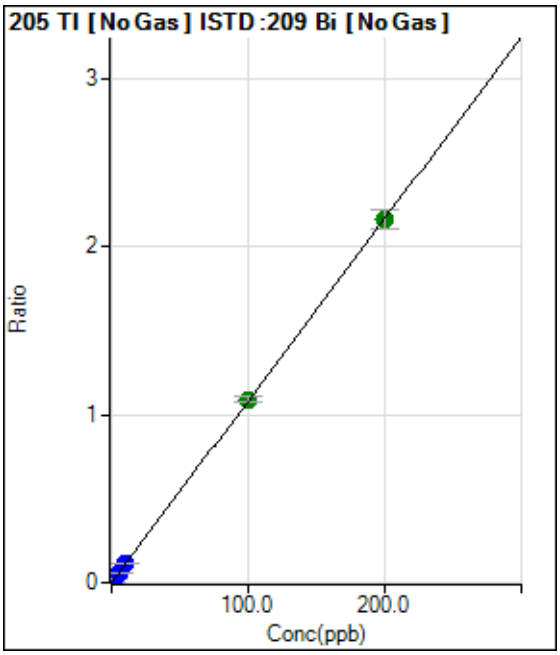
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	143.33	0.0000	P	14.1
2	☐	2.000	1.996	32943.90	0.0093	P	5.9
3	☐	5.000	5.060	83498.63	0.0235	P	5.9
4	☐	10.000	10.075	166125.37	0.0468	P	4.6
5	☐	100.000	99.498	1601183.99	0.4619	A	4.4
6	☐	200.000	200.246	3101444.75	0.9296	A	4.3

y = 0.0046 * x + 4.1066E-005
R = 1.0000
DL = 0.003755
BEC = 0.008846

Weight: <None>
Min Conc: <None>

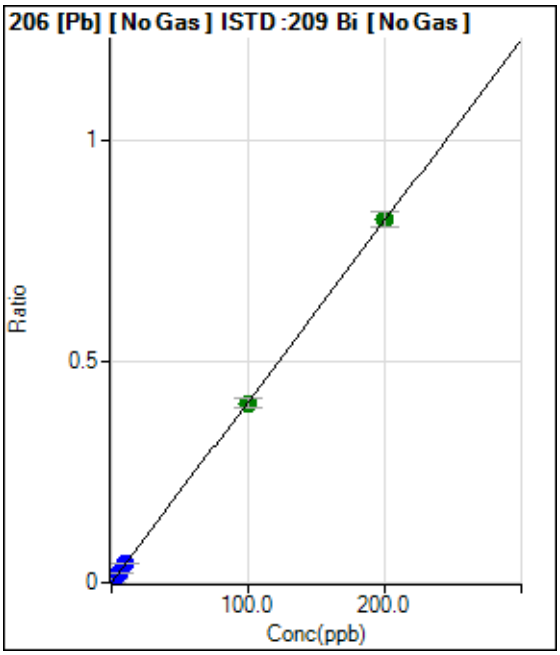


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	386.68	0.0001	P	10.5
2	☐	2.000	2.038	78503.53	0.0222	P	6.3
3	☐	5.000	5.210	200661.95	0.0565	P	5.4
4	☐	10.000	10.271	395273.77	0.1114	P	4.1
5	☐	100.000	100.888	3788253.90	1.0929	A	3.9
6	☐	200.000	199.537	7209769.68	2.1614	A	5.4

y = 0.0108 * x + 1.1089E-004
R = 1.0000
DL = 0.003219
BEC = 0.01024

Weight: <None>
Min Conc: <None>

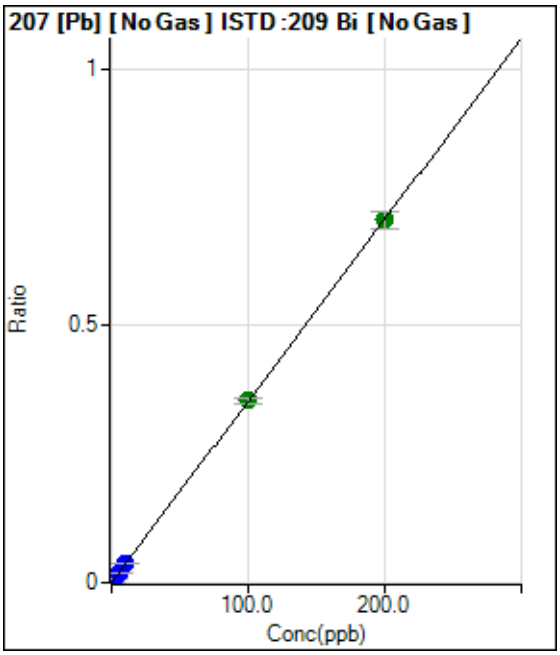
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	436.69	0.0001	P	12.9
2	☐	2.000	2.056	30257.15	0.0085	P	5.8
3	☐	5.000	5.259	76923.32	0.0217	P	4.6
4	☐	10.000	10.430	152068.80	0.0429	P	4.8
5	☐	100.000	99.054	1406781.33	0.4059	A	5.3
6	☐	200.000	200.444	2739896.00	0.8213	A	4.4

y = 0.0041 * x + 1.2530E-004
R = 1.0000
DL = 0.01188
BEC = 0.03059

Weight: <None>
Min Conc: <None>

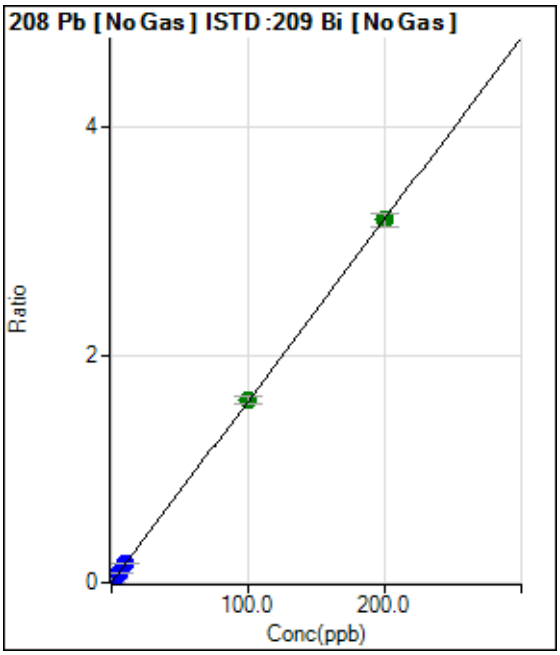


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	283.34	0.0001	P	22.4
2	☐	2.000	2.057	25984.04	0.0073	P	5.4
3	☐	5.000	5.236	65870.84	0.0186	P	5.4
4	☐	10.000	10.397	130494.83	0.0368	P	5.0
5	☐	100.000	100.173	1225786.83	0.3536	A	4.0
6	☐	200.000	199.887	2353871.27	0.7055	A	4.5

y = 0.0035 * x + 8.1364E-005
R = 1.0000
DL = 0.01548
BEC = 0.02305

Weight: <None>
Min Conc: <None>

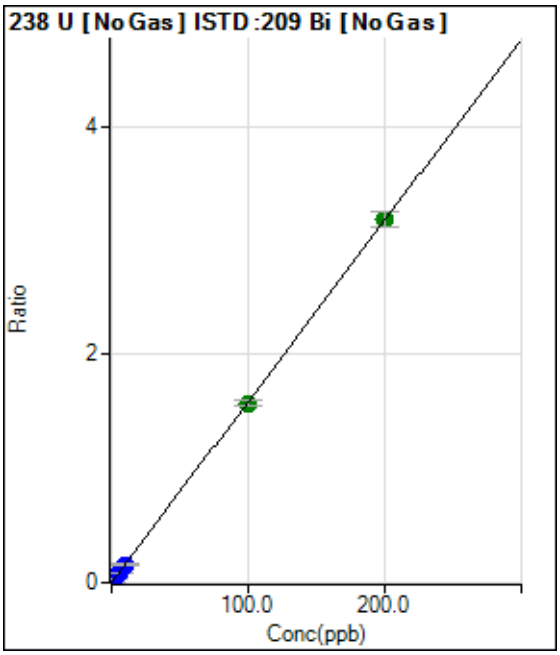
Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1466.73	0.0004	P	8.1
2	☐	2.000	2.085	119257.66	0.0337	P	5.7
3	☐	5.000	5.326	303224.70	0.0854	P	5.3
4	☐	10.000	10.553	599281.09	0.1689	P	4.7
5	☐	100.000	100.613	5568178.95	1.6064	A	4.1
6	☐	200.000	199.657	10635069.27	3.1873	A	3.7

y = 0.0160 * x + 4.2069E-004
R = 1.0000
DL = 0.006413
BEC = 0.02636

Weight: <None>
Min Conc: <None>

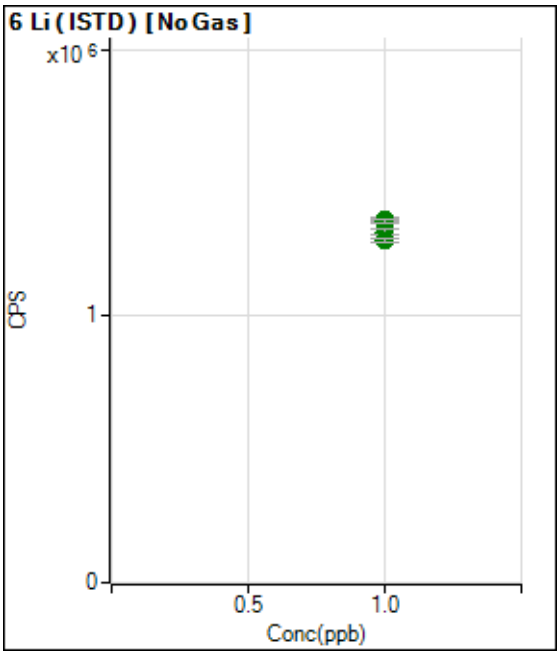


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	103.33	0.0000	P	40.7
2	☐	2.000	2.020	113664.69	0.0321	P	5.5
3	☐	5.000	5.045	284507.46	0.0802	P	5.2
4	☐	10.000	10.056	566819.00	0.1598	P	5.7
5	☐	100.000	99.227	5463864.92	1.5760	A	2.6
6	☐	200.000	200.382	10618581.30	3.1827	A	4.2

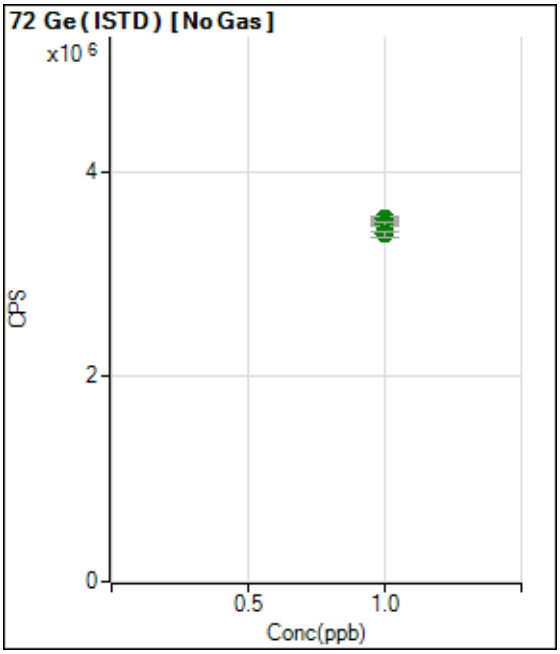
y = 0.0159 * x + 2.9635E-005
R = 1.0000
DL = 0.002278
BEC = 0.001866

Weight: <None>
Min Conc: <None>

Calibration for 329_ICV.d

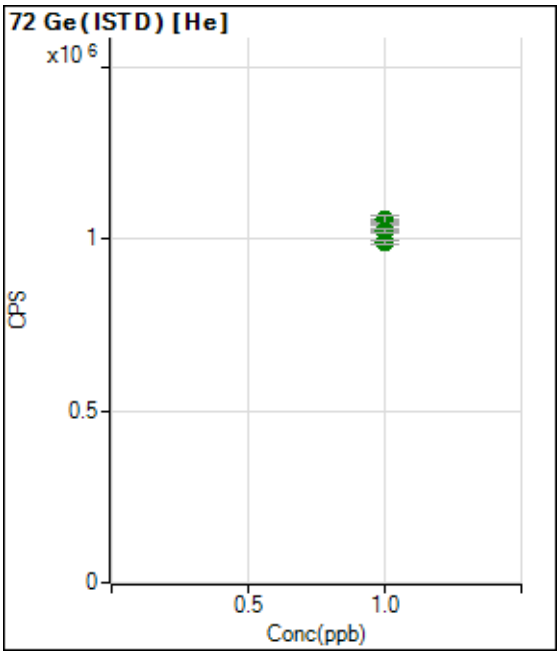


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1347953.42		A	0.4
2	☐	1.000		1354643.78		A	0.6
3	☐	1.000		1360235.83		A	1.8
4	☐	1.000		1356045.90		A	1.0
5	☐	1.000		1313726.26		A	1.5
6	☐	1.000		1280788.48		A	1.2

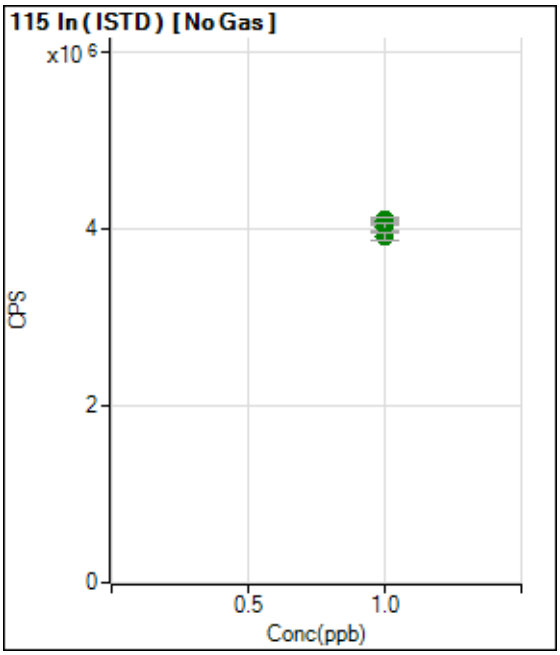


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3504067.86		A	1.0
2	☐	1.000		3518809.95		A	1.7
3	☐	1.000		3509814.95		A	1.2
4	☐	1.000		3536168.28		A	1.8
5	☐	1.000		3479762.34		A	1.1
6	☐	1.000		3385346.51		A	1.3

Calibration for 329_ICV.d

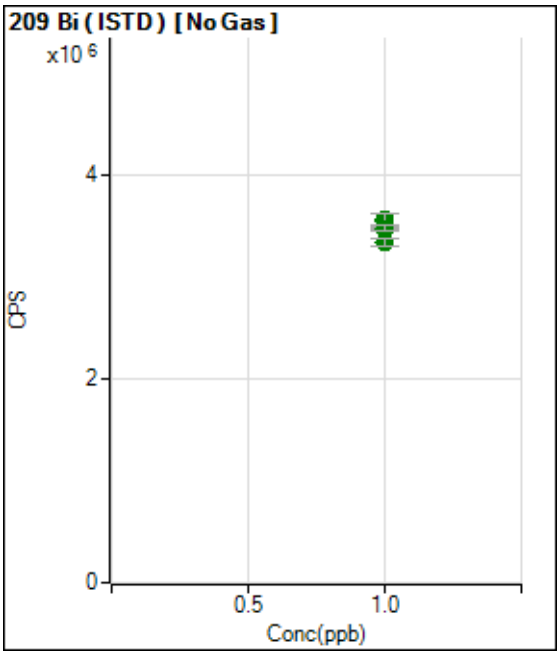


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1047185.69		A	0.9
2	☐	1.000		1031461.13		A	1.6
3	☐	1.000		1047637.25		A	1.8
4	☐	1.000		1055297.87		A	2.2
5	☐	1.000		1023848.34		A	1.1
6	☐	1.000		988065.04		A	1.2



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4101194.70		A	1.7
2	☐	1.000		4097281.46		A	1.8
3	☐	1.000		4106824.68		A	0.2
4	☐	1.000		4096853.47		A	2.3
5	☐	1.000		4020928.37		A	2.3
6	☐	1.000		3910312.10		A	2.2

Calibration for 329_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3488916.72		A	1.3
2	☐	1.000		3543894.32		A	3.7
3	☐	1.000		3554045.67		A	3.8
4	☐	1.000		3552677.03		A	3.4
5	☐	1.000		3467796.41		A	1.7
6	☐	1.000		3338621.93		A	2.5

Sample Report

Sample Table

Sample Name	LLCCV5
Data File Name	331LCV5.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T22:16:21-05:00
Sample Type	LLCCV5
Dilution	1
Comment	
ISTD Ref FileName	322CALB.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
Li	7	1	No Gas	5.486	5.486	2.68	192109	0.00	5	
Be	9	1	No Gas	5.107	5.107	0.96	27716	0.02	5	
V	51	2	He	4.987	4.987	1.93	55855	0.01	5	
Cr	52	2	He	5.136	5.136	2.02	88934	0.01	5	
Fe	56	2	He	502.482	502.482	2.39	5022090	0.01	500	
Se	78	2	He	5.052	5.052	9.33	1215	0.42	5	
As	75	2	He	4.993	4.993	2.27	8483	0.06	5	
Ca	44	2	He	510.866	510.866	3.34	42787	1.19	500	
Na	23	2	He	501.074	501.074	2.24	953768	0.05	500	
Mg	24	2	He	548.929	548.929	1.75	568823	0.10	500	
K	39	2	He	512.410	512.410	1.23	969161	0.05	500	
Mn	55	2	He	5.138	5.138	2.77	47754	0.01	5	
Co	59	2	He	5.155	5.155	0.69	76340	0.01	5	
Ni	60	2	He	5.172	5.172	0.68	19841	0.03	5	
Cu	63	2	He	5.231	5.231	1.19	47035	0.01	5	
Zn	66	2	He	4.916	4.916	5.22	11975	0.04	5	
Al	27	2	He	6.689	6.689	2.20	9030	0.07	5	NewName2 Main CR1 Failed
B	11	1	No Gas	26.938	26.938	0.77	139887	0.02	25	
Al	27	1	No Gas	6.825	6.825	5.27	289463	0.00	5	NewName2 Main CR1 Failed
Si	28	1	No Gas	30.764	30.764	3.59	954019	0.00	25	
Ag	107	1	No Gas	5.474	5.474	0.83	131977	0.00	5	
Cd	111	1	No Gas	5.112	5.112	2.19	25122	0.02	5	
Sr	88	1	No Gas	5.491	5.491	2.07	277866	0.00	5	
Mo	95	1	No Gas	5.143	5.143	0.69	52413	0.01	5	
Sn	118	1	No Gas	5.225	5.225	2.63	81086	0.01	5	
Sb	121	1	No Gas	5.299	5.299	2.36	108691	0.00	5	
Ba	137	1	No Gas	5.122	5.122	1.64	43808	0.01	5	
Tl	205	1	No Gas	5.252	5.252	4.57	201163	0.00	5	
Tl	203	1	No Gas	5.170	5.170	2.39	84887	0.01	5	
Pb	208	1	No Gas	5.243	5.243	5.00	296847	0.00	5	
U	238	1	No Gas	5.003	5.003	5.51	280522	0.00	5	
Ca	43	2	He	540.108	540.108	5.71	2757	19.59	500	
Sb	121	2	He	4.743	4.743	1.14	51809	0.01	5	
Ti	47	2	He	4.856	4.856	8.62	2107	0.23	5	
Cu	63	1	No Gas	5.549	5.549	1.04	99505	0.01	5	
Se	82	1	No Gas	4.616	4.616	8.21	1912	0.24	5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1388748	1.11	1347953	103.03	70	120	
Ge	72	2	He	1080487	1.09	1047186	103.18	70	120	
Ge	72	1	No Gas	3577670	1.43	3504068	102.10	70	120	
In	115	1	No Gas	4150579	0.47	4101195	101.20	70	120	
Bi	209	1	No Gas	3532041	2.81	3488917	101.24	70	120	

Sample Report

Sample Table

Sample Name	LLCCV2
Data File Name	332LCV2.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T22:18:16-05:00
Sample Type	LLCCV2
Dilution	1
Comment	
ISTD Ref FileName	322CALB.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
Li	7	1	No Gas	2.169	2.169	3.23	134379	0.00	2	
Be	9	1	No Gas	2.015	2.015	2.74	11079	0.02	2	
V	51	2	He	1.937	1.937	2.27	25299	0.01	2	
Cr	52	2	He	2.213	2.213	5.47	56373	0.00	2	
Fe	56	2	He	202.907	202.907	1.65	2040969	0.01	200	
Se	78	2	He	1.937	1.937	10.45	575	0.34	2	
As	75	2	He	1.973	1.973	4.88	3562	0.06	2	
Ca	44	2	He	194.927	194.927	2.45	17895	1.09	200	
Na	23	2	He	211.583	211.583	1.63	455822	0.05	200	
Mg	24	2	He	218.611	218.611	1.36	226679	0.10	200	
K	39	2	He	209.808	209.808	1.00	495165	0.04	200	
Mn	55	2	He	2.016	2.016	3.08	19311	0.01	2	
Co	59	2	He	2.061	2.061	2.69	30484	0.01	2	
Ni	60	2	He	2.033	2.033	2.74	8249	0.02	2	
Cu	63	2	He	2.124	2.124	2.58	19474	0.01	2	
Zn	66	2	He	1.991	1.991	2.53	6262	0.03	2	
Al	27	2	He	0.688	0.688	63.18	4294	0.02	2	NewName Main CR1 Failed
B	11	1	No Gas	9.581	9.581	4.36	83441	0.01	10	
Al	27	1	No Gas	0.504	0.504	12.81	141156	0.00	2	NewName Main CR1 Failed
Si	28	1	No Gas	12.163	12.163	3.18	720554	0.00	10	
Ag	107	1	No Gas	2.184	2.184	2.17	53666	0.00	2	
Cd	111	1	No Gas	1.990	1.990	2.66	9932	0.02	2	
Sr	88	1	No Gas	2.054	2.054	1.02	109425	0.00	2	
Mo	95	1	No Gas	2.039	2.039	0.59	21788	0.01	2	
Sn	118	1	No Gas	2.071	2.071	3.74	34205	0.01	2	
Sb	121	1	No Gas	2.084	2.084	0.55	43241	0.00	2	
Ba	137	1	No Gas	1.890	1.890	4.07	17302	0.01	2	
Tl	205	1	No Gas	2.062	2.062	4.89	80268	0.00	2	
Tl	203	1	No Gas	2.002	2.002	4.04	33392	0.01	2	
Pb	208	1	No Gas	2.057	2.057	4.52	118944	0.00	2	
U	238	1	No Gas	1.979	1.979	3.33	112564	0.00	2	
Ca	43	2	He	185.499	185.499	22.06	1047	17.72	200	
Sb	121	2	He	1.900	1.900	2.19	20757	0.01	2	
Ti	47	2	He	1.709	1.709	17.85	757	0.23	200	
Cu	63	1	No Gas	2.275	2.275	4.42	42075	0.01	2	
Se	82	1	No Gas	1.869	1.869	10.20	888	0.21	2	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1405584	1.10	1347953	104.28	70	120	
Ge	72	2	He	1075488	0.91	1047186	102.70	70	120	
Ge	72	1	No Gas	3598953	0.85	3504068	102.71	70	120	
In	115	1	No Gas	4222200	1.23	4101195	102.95	70	120	
Bi	209	1	No Gas	3579938	3.64	3488917	102.61	70	120	

Initial Calibration Blank (ICB) Report

Sample Table

Sample Name	ICCB
Data File Name	333_ICB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T22:20:12-05:00
Sample Type	ICB
Dilution	1
Comment	
ISTD Ref File Name	322CALB.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
Li	7	1	No Gas	0.060	190.4	96511	1.0	0.5	
Be	9	1	No Gas	0.003	114.8	35	51.5	0.5	
V	51	2	He	-0.028	-31.1	5848	3.0	2.5	
Cr	52	2	He	0.155	69.0	34180	1.5	2.5	
Fe	56	2	He	1.764	8.0	55335	1.8	100	
Se	78	2	He	0.038	340.6	191	16.0	1	
As	75	2	He	0.002	541.5	381	7.4	2.5	
Ca	44	2	He	-1.739	-79.7	2550	5.0	100	
Na	23	2	He	0.277	319.3	96774	1.3	100	
Mg	24	2	He	0.288	77.1	2284	10.2	100	
K	39	2	He	2.183	128.0	175210	0.5	100	
Mn	55	2	He	0.438	1.9	5101	2.4	2.5	
Co	59	2	He	0.006	91.9	263	30.7	2.5	
Ni	60	2	He	0.135	30.8	1313	13.7	2.5	
Cu	63	2	He	0.060	24.6	1327	12.0	1	
Zn	66	2	He	0.571	5.1	3561	0.8	2.5	
Al	27	2	He	-1.929	-15.1	2277	8.2	5	
B	11	1	No Gas	-0.565	-88.0	49619	2.2	0.5	
Al	27	1	No Gas	-2.257	-3.9	76268	2.6	5	
Si	28	1	No Gas	3.070	28.4	608774	0.4	10	
Ag	107	1	No Gas	0.003	61.3	250	17.4	2.5	
Cd	111	1	No Gas	-0.001	-275.0	-36	-43.5	1	
Sr	88	1	No Gas	-0.043	-5.2	3587	2.3	2.5	
Mo	95	1	No Gas	0.009	158.3	1153	13.0	2.5	
Sn	118	1	No Gas	0.096	10.9	3887	4.8	5	
Sb	121	1	No Gas	0.020	9.2	790	4.4	2.5	
Ba	137	1	No Gas	-0.020	-36.5	1170	4.4	2.5	
Tl	205	1	No Gas	0.037	21.6	1817	18.4	1	
Tl	203	1	No Gas	0.040	5.9	817	5.5	1	
Pb	208	1	No Gas	0.006	48.5	1850	9.1	2.5	
U	238	1	No Gas	0.002	35.9	220	19.8	2.5	
Ca	43	2	He	-8.096	-156.6	120	50.7	100	
Sb	121	2	He	0.014	15.2	317	9.6	2.5	
Ti	47	2	He	-0.026	-50.4	17	34.6	2.5	
Se	82	1	No Gas	-0.147	-174.7	128	74.4	1	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1410366	1.24	1347953	104.63	70	120	

Initial Calibration Blank (ICB) Report

Ge	72	2	He	1089658	2.07	1047186	104.06	70	120	
Ge	72	1	No Gas	3630232	1.44	3504068	103.60	70	120	
In	115	1	No Gas	4145095	0.86	4101195	101.07	70	120	
Bi	209	1	No Gas	3571991	1.65	3488917	102.38	70	120	

Interference Check Solution A (ICS-A) Report

Sample Table

Sample Name	ICSA
Data File Name	334ICSA.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T22:22:08-05:00
Sample Type	ICSA
Dilution	1
Comment	
ISTD Ref File Name	322CALB.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
Li	7	1	No Gas	0.407	17.6	95578	0.4	0	ICSA Main CR1 Failed
Be	9	1	No Gas	0.003	19.7	33	8.7	0	ICSA Main CR1 Failed
V	51	2	He	0.218	14.1	7690	2.5	0	ICSA Main CR1 Failed
Cr	52	2	He	1.619	5.9	46686	1.1	0	ICSA Main CR1 Failed
Fe	56	2	He	96528.757	0.8	892688013	0.4	0	
Se	78	2	He	0.214	36.2	210	5.8	0	ICSA Main CR1 Failed
As	75	2	He	0.362	10.5	897	5.2	0	ICSA Main CR1 Failed
Ca	44	2	He	91344.773	0.7	6691718	1.7	0	
Na	23	2	He	97105.244	1.3	155152744	0.4	0	
Mg	24	2	He	96633.691	1.3	93032715	0.9	0	
K	39	2	He	97936.331	1.1	142479335	0.3	0	
Mn	55	2	He	1.183	1.7	11031	1.1	0	ICSA Main CR1 Failed
Co	59	2	He	0.553	3.6	7782	3.1	0	ICSA Main CR1 Failed
Ni	60	2	He	0.960	6.4	4044	4.1	0	ICSA Main CR1 Failed
Cu	63	2	He	0.958	2.7	8623	1.3	0	ICSA Main CR1 Failed
Zn	66	2	He	2.213	5.9	6268	4.8	0	ICSA Main CR1 Failed
Al	27	2	He	88082.074	1.0	64490366	1.4	0	
B	11	1	No Gas	1.144	5.1	51474	1.0	0	
Al	27	1	No Gas	94323.146	0.6	2105965089	0.4	0	
Si	28	1	No Gas	26.237	7.0	847717	2.4	0	
Ag	107	1	No Gas	0.181	9.5	4081	8.9	0	ICSA Main CR1 Failed
Cd	111	1	No Gas	0.523	2.2	2283	2.8	0	ICSA Main CR1 Failed
Sr	88	1	No Gas	4.998	0.8	227331	1.1	0	ICSA Main CR1 Failed
Mo	95	1	No Gas	2012.825	0.5	18025872	0.4	0	
Sn	118	1	No Gas	0.057	23.4	2967	6.7	0	ICSA Main CR1 Failed
Sb	121	1	No Gas	0.246	3.0	5111	2.9	0	ICSA Main CR1 Failed
Ba	137	1	No Gas	0.627	4.4	5868	3.8	0	ICSA Main CR1 Failed
Tl	205	1	No Gas	0.019	16.8	970	10.9	0	ICSA Main CR1 Failed
Tl	203	1	No Gas	0.021	22.3	423	13.8	0	ICSA Main CR1 Failed
Pb	208	1	No Gas	0.204	11.4	11145	6.3	0	ICSA Main CR1 Failed
U	238	1	No Gas	0.010	14.3	587	8.4	0	ICSA Main CR1 Failed
Ca	43	2	He	94545.942	0.5	424121	0.7	0	
Sb	121	2	He	0.234	7.6	2520	8.3	0	ICSA Main CR1 Failed
Ti	47	2	He	2023.712	0.9	808265	0.8	0	
Se	82	1	No Gas	0.250	72.2	261	24.6	0	ICSA Main CR1 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1310990	1.30	1347953	97.26	70	120	
Ge	72	2	He	1007277	1.25	1047186	96.19	70	120	
Ge	72	1	No Gas	3383984	0.25	3504068	96.57	70	120	
In	115	1	No Gas	3722885	0.76	4101195	90.78	70	120	
Bi	209	1	No Gas	3042823	3.97	3488917	87.21	70	120	

Interference Check Solution AB (ICS-AB) Report

Sample Table

Sample Name	ICSAB
Data File Name	335ICSB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T22:24:11-05:00
Sample Type	ICSB
Dilution	1
Comment	
ISTD Ref File Name	322CALB.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
Li	7	1	No Gas	96.710	1.861	1646505	2.11	100	96.7	180	120	ICSB Main CR1 Failed
Be	9	1	No Gas	97.389	1.275	476747	0.64	100	97.4	80	120	
V	51	2	He	95.677	2.178	888226	0.42	100	95.7	80	120	
Cr	52	2	He	94.735	2.439	996924	1.39	100	94.7	80	120	
Fe	56	2	He	105072.179	2.657	963167319	0.36	100	105072.2	80	120	
Se	78	2	He	97.750	1.878	18661	0.50	100	97.7	80	120	
As	75	2	He	97.317	2.234	146401	0.33	100	97.3	80	120	
Ca	44	2	He	99390.534	2.264	7216894	0.69	100	99390.5	80	120	
Na	23	2	He	103125.136	2.032	163341904	0.48	100	103125.1	80	120	ICSB Main CR1 Failed
Mg	24	2	He	103554.526	2.562	98824099	0.43	100	103554.5	80	120	ICSB Main CR1 Failed
K	39	2	He	105218.741	1.628	151748124	0.92	100	105218.7	80	120	ICSB Main CR1 Failed
Mn	55	2	He	95.588	2.412	803475	0.58	100	95.6	80	120	
Co	59	2	He	92.845	2.266	1267910	1.02	100	92.8	80	120	
Ni	60	2	He	89.895	2.400	306536	1.70	100	89.9	80	120	
Cu	63	2	He	91.726	2.469	750205	0.71	100	91.7	80	120	
Zn	66	2	He	93.482	1.974	170163	1.22	100	93.5	80	120	
Al	27	2	He	87525.311	2.610	63518982	0.88	100	87525.3	80	120	ICSB Main CR1 Failed
B	11	1	No Gas	463.505	1.109	1430313	0.41	100	463.5	80	120	
Al	27	1	No Gas	91940.840	1.604	2011920450	1.56	100	91940.8	80	120	ICSB Main CR1 Failed
Si	28	1	No Gas	507.239	1.247	6532121	1.13	100	507.2	80	120	
Ag	107	1	No Gas	96.794	2.532	2045642	1.67	100	96.8	80	120	
Cd	111	1	No Gas	99.578	1.372	430159	1.53	100	99.6	80	120	
Sr	88	1	No Gas	105.902	2.085	4612311	1.05	100	105.9	80	120	
Mo	95	1	No Gas	2097.415	1.039	18384260	1.29	100	2097.4	80	120	
Sn	118	1	No Gas	99.430	2.227	1315581	0.96	100	99.4	80	120	
Sb	121	1	No Gas	95.480	1.239	1810143	1.08	100	95.5	80	120	
Ba	137	1	No Gas	100.465	1.211	732348	0.50	100	100.5	80	120	
Tl	205	1	No Gas	95.855	7.403	3167767	1.33	100	95.9	80	120	
Tl	203	1	No Gas	95.239	6.165	1349568	0.08	100	95.2	80	120	
Pb	208	1	No Gas	98.011	6.935	4774889	0.85	100	98.0	80	120	
U	238	1	No Gas	98.827	5.195	4793072	1.10	100	98.8	80	120	
Ca	43	2	He	103092.845	2.432	458432	1.56	100	103092.8	80	120	
Sb	121	2	He	91.884	1.529	924997	0.88	100	91.9	80	120	
Ti	47	2	He	2112.155	2.126	836345	1.91	100	2112.2	80	120	
Cu	63	1	No Gas	95.535	0.665	1561969	1.02	100	95.5	80	120	
Se	82	1	No Gas	99.907	1.775	34901	1.04	100	99.9	80	120	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1253542	0.86	1347953	93.00	70	120	
Ge	72	2	He	998784	2.35	1047186	95.38	70	120	
Ge	72	1	No Gas	3316689	0.82	3504068	94.65	70	120	
In	115	1	No Gas	3643886	1.45	4101195	88.85	70	120	
Bi	209	1	No Gas	3060246	6.34	3488917	87.71	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	368_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T23:28:10-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	322CALB.d
n	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
Li	7	1	No Gas	108.522	0.997	1535181	0.77	100	108.5	90	110	
Be	9	1	No Gas	109.303	0.537	447133	0.36	100	109.3	90	110	
V	51	2	He	99.277	2.332	877655	1.34	100	99.3	90	110	
Cr	52	2	He	96.276	1.776	964552	0.82	100	96.3	90	110	
Fe	56	2	He	9944.484	2.476	86856892	0.42	10000	99.4	90	110	
Se	78	2	He	100.355	2.258	18242	0.64	100	100.4	90	110	
As	75	2	He	98.893	2.227	141709	1.81	100	98.9	90	110	
Ca	44	2	He	10109.838	1.990	701475	2.63	10000	101.1	90	110	
Na	23	2	He	9465.342	2.423	14356542	1.79	10000	94.7	90	110	
Mg	24	2	He	9504.350	2.628	8641199	1.67	10000	95.0	90	110	
K	39	2	He	9786.161	1.146	13582287	2.70	10000	97.9	90	110	
Mn	55	2	He	100.347	1.808	803408	0.95	100	100.3	90	110	
Co	59	2	He	101.135	1.206	1315633	1.24	100	101.1	90	110	
Ni	60	2	He	99.029	2.162	321541	0.51	100	99.0	90	110	
Cu	63	2	He	101.002	1.711	786819	0.98	100	101.0	90	110	
Zn	66	2	He	102.893	2.558	178154	0.68	100	102.9	90	110	
Al	27	2	He	104.180	4.431	75334	3.63	100	104.2	90	110	
B	11	1	No Gas	552.877	1.513	1418344	1.46	500	110.6	90	110	CCV Main CR1-2 Failed
Al	27	1	No Gas	105.501	3.009	2282808	1.32	100	105.5	90	110	
Si	28	1	No Gas	629.452	1.606	7505728	0.26	5000	12.6	90	110	CCV Main CR1-2 Failed
Ag	107	1	No Gas	102.009	0.709	2214495	1.47	100	102.0	90	110	
Cd	111	1	No Gas	102.724	0.938	455723	0.45	100	102.7	90	110	
Sr	88	1	No Gas	102.334	0.857	4578402	1.81	100	102.3	90	110	
Mo	95	1	No Gas	101.811	0.479	917419	0.91	100	101.8	90	110	
Sn	118	1	No Gas	103.366	1.113	1404724	1.26	100	103.4	90	110	
Sb	121	1	No Gas	105.835	1.199	1887099	0.69	100	105.8	90	110	
Ba	137	1	No Gas	104.332	1.106	781090	1.32	100	104.3	90	110	
Tl	205	1	No Gas	100.280	5.395	3580765	1.39	100	100.3	90	110	
Tl	203	1	No Gas	101.507	3.469	1554434	2.09	100	101.5	90	110	
Pb	208	1	No Gas	102.540	4.898	5397350	0.66	100	102.5	90	110	
U	238	1	No Gas	101.858	4.750	5333955	0.81	100	101.9	90	110	
Ca	43	2	He	9912.129	1.845	42108	0.59	10000	99.1	90	110	
Sb	121	2	He	101.705	1.151	975239	1.30	100	101.7	90	110	
Ti	47	2	He	97.810	1.821	36910	1.05	100	97.8	90	110	
Cu	63	1	No Gas	103.014	2.095	1583767	0.53	100	103.0	90	110	
Se	82	1	No Gas	101.468	1.251	33337	0.80	100	101.5	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1047478	0.20	1347953	77.71	70	120	
Ge	72	2	He	951313	2.46	1047186	90.84	70	120	
Ge	72	1	No Gas	3119773	1.76	3504068	89.03	70	120	
In	115	1	No Gas	3742221	1.04	4101195	91.25	70	120	
Bi	209	1	No Gas	3301647	4.55	3488917	94.63	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	369_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T23:30:00-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	322CALB.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
Li	7	1	No Gas	-0.041	-102.0	73861	0.7	0.5	
Be	9	1	No Gas	0.014	38.4	73	30.7	0.5	
V	51	2	He	0.001	1181.0	5470	0.8	2.5	
Cr	52	2	He	-0.042	-130.8	28503	1.0	2.5	
Fe	56	2	He	0.630	8.1	39196	0.7	100	
Se	78	2	He	0.092	13.2	180	1.9	2	
As	75	2	He	0.032	150.4	382	16.9	2.5	
Ca	44	2	He	-11.975	-15.5	1550	9.5	100	
Na	23	2	He	60.888	1.4	179495	1.5	100	
Mg	24	2	He	0.714	9.5	2430	3.9	100	
K	39	2	He	-4.737	-35.8	146417	0.5	100	
Mn	55	2	He	0.014	35.4	1090	4.6	2.5	
Co	59	2	He	0.005	34.2	220	9.1	2.5	
Ni	60	2	He	0.000	7518.9	723	8.9	2.5	
Cu	63	2	He	0.003	94.1	727	4.2	2	
Zn	66	2	He	-0.229	-55.1	1773	11.3	2.5	
Al	27	2	He	-2.639	-4.5	1530	5.7	5	
B	11	1	No Gas	9.967	7.1	66317	2.7	0.5	CCB Main CR1 Failed
Al	27	1	No Gas	-3.139	-1.3	47385	2.3	5	
Si	28	1	No Gas	-2.115	-10.1	465250	0.2	10	
Ag	107	1	No Gas	0.004	18.8	247	4.7	2.5	
Cd	111	1	No Gas	0.011	45.5	21	106.7	1	
Sr	88	1	No Gas	-0.022	-8.6	4261	1.4	2.5	
Mo	95	1	No Gas	0.081	20.9	1717	9.9	2.5	
Sn	118	1	No Gas	0.161	18.1	4454	9.7	5	
Sb	121	1	No Gas	0.102	16.0	2144	12.9	2.5	
Ba	137	1	No Gas	-0.104	-6.4	437	10.3	2.5	
Tl	205	1	No Gas	0.644	38.0	24023	41.5	1	
Tl	203	1	No Gas	0.649	39.1	10358	42.8	1	
Pb	208	1	No Gas	0.015	47.3	2210	20.6	2.5	
U	238	1	No Gas	0.029	45.9	1677	47.1	2.5	
Ca	43	2	He	-12.859	-39.6	87	26.6	100	
Sb	121	2	He	0.075	12.2	880	9.8	2.5	
Ti	47	2	He	-0.038	-67.7	10	100.0	2.5	
Cu	63	1	No Gas	0.010	41.3	1677	4.2	2.5	
Se	82	1	No Gas	0.214	38.6	229	11.7	2	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1099973	0.19	1347953	81.60	70	120	
Ge	72	2	He	970671	1.56	1047186	92.69	70	120	
Ge	72	1	No Gas	3118447	0.61	3504068	89.00	70	120	
In	115	1	No Gas	3802007	1.40	4101195	92.70	70	120	
Bi	209	1	No Gas	3355921	4.07	3488917	96.19	70	120	

Sample Report

Sample Table

Sample Name	HS23060596-01
Data File Name	373SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T23:37:57-05:00
Sample Type	Sample
Dilution	1
Comment	TW DOD B 195358 As
ISTD Ref FileName	322CALB.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
Li	7	1	No Gas	31.374	31.374	2.07	564383	0.01	2000	
Be	9	1	No Gas	0.097	0.097	3.34	472	0.02	2000	
V	51	2	He	6.725	6.725	0.22	68728	0.01	2000	
Cr	52	2	He	1.702	1.702	2.82	47874	0.00	2000	
Fe	56	2	He	32292.798	32292.798	0.52	300776269	0.01	200000	
Se	78	2	He	0.933	0.933	18.53	350	0.27	2000	
As	75	2	He	8.671	8.671	1.56	13572	0.06	2000	
Ca	44	2	He	131938.054	131938.054	1.14	9731630	1.36	200000	
Na	23	2	He	811401.750	811401.750	0.75	1305027927	0.06	200000	>LDR
Mg	24	2	He	92327.635	92327.635	0.41	89515822	0.10	200000	
K	39	2	He	798.715	798.715	0.49	1328868	0.06	200000	
Mn	55	2	He	3303.059	3303.059	0.10	28172695	0.01	2000	>LDR
Co	59	2	He	6.939	6.939	1.22	96409	0.01	2000	
Ni	60	2	He	5.769	5.769	2.66	20689	0.03	2000	
Cu	63	2	He	1.928	1.928	3.50	16747	0.01	2000	
Zn	66	2	He	6.272	6.272	2.50	13717	0.05	2000	
Al	27	2	He	24.171	24.171	2.65	21367	0.11	2000	
B	11	1	No Gas	71.071	71.071	2.57	246283	0.03	2000	
Al	27	1	No Gas	27.411	27.411	7.98	702755	0.00	2000	
Si	28	1	No Gas	17612.015	17612.015	0.81	204606277	0.01	2000	>LDR
Ag	107	1	No Gas	0.008	0.008	26.11	313	0.00	2000	
Cd	111	1	No Gas	0.022	0.022	83.58	68	0.03	2000	
Sr	88	1	No Gas	3091.032	3091.032	0.55	132321891	0.00	2000	>LDR
Mo	95	1	No Gas	0.180	0.180	3.40	2467	0.01	2000	
Sn	118	1	No Gas	-0.005	-0.005	-86.70	2047	0.00	2000	
Sb	121	1	No Gas	0.114	0.114	12.45	2450	0.00	2000	
Ba	137	1	No Gas	406.174	406.174	0.67	2909593	0.01	2000	
Tl	205	1	No Gas	-0.002	-0.002	-96.26	227	0.00	2000	
Tl	203	1	No Gas	0.000	0.000	-381.62	110	0.00	2000	
Pb	208	1	No Gas	0.400	0.400	5.12	18479	0.00	2000	
U	238	1	No Gas	0.239	0.239	9.54	10375	0.00	2000	
Ca	43	2	He	137335.602	137335.602	0.85	620329	22.14	200000	
Sb	121	2	He	0.119	0.119	8.86	1363	0.01	2000	
Ti	47	2	He	5.134	5.134	10.81	2090	0.25	2000	
Cu	63	1	No Gas	10.443	10.443	1.09	168348	0.01	2000	
Zn	66	1	No Gas	6.991	6.991	1.24	37181	0.02	2000	
Se	82	1	No Gas	18.948	18.948	0.75	6606	0.29	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1196355	1.47	1347953	88.75	70	120	
Ge	72	2	He	1014335	0.75	1047186	96.86	70	120	
Ge	72	1	No Gas	3242618	0.22	3504068	92.54	70	120	
In	115	1	No Gas	3584737	0.22	4101195	87.41	70	120	
Bi	209	1	No Gas	2717197	5.01	3488917	77.88	70	120	

Sample Report

Sample Table

Sample Name	HS23060596-02
Data File Name	374SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T23:39:58-05:00
Sample Type	Sample
Dilution	1
Comment	TW DOD B 195358 As
ISTD Ref FileName	322CALB.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
Li	7	1	No Gas	45.161	45.161	0.96	749670	0.01	2000	
Be	9	1	No Gas	0.035	0.035	28.61	173	0.02	2000	
V	51	2	He	4.718	4.718	1.48	48679	0.01	2000	
Cr	52	2	He	2.459	2.459	1.43	54338	0.00	2000	
Fe	56	2	He	74354.453	74354.453	1.46	675196883	0.01	200000	
Se	78	2	He	0.749	0.749	15.84	307	0.24	2000	
As	75	2	He	31.868	31.868	0.97	47724	0.07	2000	
Ca	44	2	He	297331.768	297331.768	1.24	21381288	1.39	200000	>LDR
Na	23	2	He	1120232.692	1120232.692	1.60	1756690640	0.06	200000	>LDR
Mg	24	2	He	244980.751	244980.751	1.62	231580990	0.11	200000	>LDR
K	39	2	He	630.997	630.997	1.28	1056419	0.06	200000	
Mn	55	2	He	3708.859	3708.859	0.80	30844705	0.01	2000	>LDR
Co	59	2	He	9.282	9.282	1.14	125691	0.01	2000	
Ni	60	2	He	5.609	5.609	0.61	19638	0.03	2000	
Cu	63	2	He	3.013	3.013	2.45	25100	0.01	2000	
Zn	66	2	He	1.470	1.470	9.05	4831	0.03	2000	
Al	27	2	He	16.780	16.780	14.13	15534	0.11	2000	
B	11	1	No Gas	55.557	55.557	2.21	195005	0.03	2000	
Al	27	1	No Gas	16.543	16.543	2.83	449155	0.00	2000	
Si	28	1	No Gas	18995.046	18995.046	3.11	210679704	0.01	2000	>LDR
Ag	107	1	No Gas	0.018	0.018	14.07	507	0.00	2000	
Cd	111	1	No Gas	0.067	0.067	8.89	242	0.03	2000	
Sr	88	1	No Gas	7032.422	7032.422	1.65	282698382	0.00	2000	>LDR
Mo	95	1	No Gas	0.247	0.247	7.78	2860	0.01	2000	
Sn	118	1	No Gas	-0.035	-0.035	-30.21	1560	0.00	2000	
Sb	121	1	No Gas	0.166	0.166	3.83	3254	0.01	2000	
Ba	137	1	No Gas	402.533	402.533	0.21	2707924	0.01	2000	
Tl	205	1	No Gas	-0.001	-0.001	-38.90	237	0.00	2000	
Tl	203	1	No Gas	-0.004	-0.004	-89.57	50	-0.01	2000	
Pb	208	1	No Gas	0.541	0.541	8.83	22178	0.00	2000	
U	238	1	No Gas	0.859	0.859	5.17	33533	0.00	2000	
Ca	43	2	He	325660.342	325660.342	0.51	1434149	22.71	200000	>LDR
Sb	121	2	He	0.148	0.148	13.01	1617	0.01	2000	
Ti	47	2	He	5.647	5.647	2.87	2240	0.25	2000	
Cu	63	1	No Gas	15.152	15.152	2.19	232576	0.01	2000	
Zn	66	1	No Gas	3.257	3.257	1.99	19277	0.02	2000	
Se	82	1	No Gas	32.189	32.189	6.72	10602	0.30	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1154376	0.22	1347953	85.64	70	120	
Ge	72	2	He	989078	1.22	1047186	94.45	70	120	
Ge	72	1	No Gas	3097272	1.42	3504068	88.39	70	120	
In	115	1	No Gas	3366471	0.34	4101195	82.09	70	120	
Bi	209	1	No Gas	2456586	6.16	3488917	70.41	70	120	

Sample Report

Sample Table

Sample Name	HS23060596-03
Data File Name	376SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T23:43:59-05:00
Sample Type	Sample
Dilution	1
Comment	TW DOD B 195358 As
ISTD Ref FileName	322CALB.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
Li	7	1	No Gas	51.216	51.216	2.33	768035	0.01	2000	
Be	9	1	No Gas	0.126	0.126	14.25	535	0.02	2000	
V	51	2	He	-0.079	-0.079	-20.13	4725	0.00	2000	
Cr	52	2	He	-0.103	-0.103	-38.92	27765	0.00	2000	
Fe	56	2	He	21465.317	21465.317	2.26	190337437	0.01	200000	
Se	78	2	He	0.370	0.370	14.58	230	0.16	2000	
As	75	2	He	0.503	0.503	11.91	1064	0.05	2000	
Ca	44	2	He	40467.320	40467.320	2.08	2843507	1.42	200000	
Na	23	2	He	60929.367	60929.367	1.83	93370822	0.07	200000	
Mg	24	2	He	20891.690	20891.690	0.94	19286778	0.11	200000	
K	39	2	He	2462.329	2462.329	1.77	3583035	0.07	200000	
Mn	55	2	He	58.312	58.312	1.66	474449	0.01	2000	
Co	59	2	He	0.142	0.142	8.06	2030	0.01	2000	
Ni	60	2	He	0.192	0.192	12.15	1350	0.01	2000	
Cu	63	2	He	0.551	0.551	6.65	5061	0.01	2000	
Zn	66	2	He	0.322	0.322	36.77	2724	0.01	2000	
Al	27	2	He	6.296	6.296	6.62	7792	0.08	2000	
B	11	1	No Gas	110.303	110.303	2.00	316124	0.03	2000	
Al	27	1	No Gas	6.696	6.696	1.88	247195	0.00	2000	
Si	28	1	No Gas	13895.772	13895.772	0.48	153776451	0.01	2000	>LDR
Ag	107	1	No Gas	0.005	0.005	49.06	257	0.00	2000	
Cd	111	1	No Gas	0.026	0.026	29.24	82	0.03	2000	
Sr	88	1	No Gas	1474.084	1474.084	0.25	62426812	0.00	2000	
Mo	95	1	No Gas	0.049	0.049	15.41	1323	0.00	2000	
Sn	118	1	No Gas	-0.054	-0.054	-21.37	1397	0.00	2000	
Sb	121	1	No Gas	0.042	0.042	9.54	1060	0.00	2000	
Ba	137	1	No Gas	416.069	416.069	1.15	2948320	0.01	2000	
Tl	205	1	No Gas	-0.005	-0.005	-37.61	183	0.00	2000	
Tl	203	1	No Gas	-0.006	-0.006	-28.45	47	-0.01	2000	
Pb	208	1	No Gas	0.041	0.041	4.22	3234	0.00	2000	
U	238	1	No Gas	0.007	0.007	4.31	447	0.00	2000	
Ca	43	2	He	42226.620	42226.620	2.44	181676	23.24	200000	
Sb	121	2	He	0.032	0.032	32.62	450	0.01	2000	
Ti	47	2	He	2.470	2.470	13.32	970	0.25	2000	
Cu	63	1	No Gas	1.290	1.290	0.39	21127	0.01	2000	
Zn	66	1	No Gas	0.507	0.507	15.02	7295	0.01	2000	
Se	82	1	No Gas	1.024	1.024	10.44	489	0.21	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1056139	2.08	1347953	78.35	70	120	
Ge	72	2	He	965809	1.35	1047186	92.23	70	120	
Ge	72	1	No Gas	3086834	0.37	3504068	88.09	70	120	
In	115	1	No Gas	3546215	0.44	4101195	86.47	70	120	

Sample Report

Bi	209	1	No Gas	3019326	6.10	3488917	86.54	70	120	

Sample Report

Sample Table

Sample Name	HS23060596-04
Data File Name	377SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T23:45:57-05:00
Sample Type	Sample
Dilution	1
Comment	TW DOD B 195358 As
ISTD Ref FileName	322CALB.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
Li	7	1	No Gas	143.580	143.580	4.04	1975694	0.01	2000	
Be	9	1	No Gas	0.017	0.017	44.95	80	0.02	2000	
V	51	2	He	1.135	1.135	3.42	14718	0.01	2000	
Cr	52	2	He	0.275	0.275	12.68	29786	0.00	2000	
Fe	56	2	He	137.478	137.478	3.58	1184314	0.01	200000	
Se	78	2	He	1.120	1.120	6.35	347	0.32	2000	
As	75	2	He	0.498	0.498	11.45	999	0.05	2000	
Ca	44	2	He	289929.640	289929.640	0.96	19254238	1.51	200000	>LDR
Na	23	2	He	477615.569	477615.569	0.59	691760816	0.07	200000	>LDR
Mg	24	2	He	194303.758	194303.758	0.64	169639251	0.11	200000	>LDR
K	39	2	He	1017.998	1017.998	0.91	1485595	0.07	200000	
Mn	55	2	He	149.414	149.414	0.86	1148416	0.01	2000	
Co	59	2	He	2.180	2.180	3.91	27371	0.01	2000	
Ni	60	2	He	13.446	13.446	1.82	42516	0.03	2000	
Cu	63	2	He	1.021	1.021	3.06	8293	0.01	2000	
Zn	66	2	He	13.993	13.993	3.68	25043	0.06	2000	
Al	27	2	He	69.911	69.911	2.97	49599	0.14	2000	
B	11	1	No Gas	9.606	9.606	6.46	61256	0.02	2000	
Al	27	1	No Gas	75.218	75.218	3.05	1534671	0.00	2000	
Si	28	1	No Gas	18973.843	18973.843	0.76	196018177	0.01	2000	>LDR
Ag	107	1	No Gas	0.028	0.028	20.21	673	0.00	2000	
Cd	111	1	No Gas	0.666	0.666	15.19	2550	0.03	2000	
Sr	88	1	No Gas	6695.392	6695.392	1.22	260778389	0.00	2000	>LDR
Mo	95	1	No Gas	0.119	0.119	17.87	1767	0.01	2000	
Sn	118	1	No Gas	-0.055	-0.055	-16.86	1273	0.00	2000	
Sb	121	1	No Gas	0.109	0.109	5.81	2097	0.01	2000	
Ba	137	1	No Gas	22.397	22.397	1.59	146967	0.02	2000	
Tl	205	1	No Gas	0.003	0.003	73.37	357	0.00	2000	
Tl	203	1	No Gas	0.007	0.007	73.80	183	0.00	2000	
Pb	208	1	No Gas	0.260	0.260	8.38	11507	0.00	2000	
U	238	1	No Gas	6.359	6.359	8.10	254450	0.00	2000	
Ca	43	2	He	312650.370	312650.370	3.02	1271373	24.59	200000	>LDR
Sb	121	2	He	0.093	0.093	10.38	990	0.01	2000	
Ti	47	2	He	4.273	4.273	6.67	1570	0.27	2000	
Cu	63	1	No Gas	6.137	6.137	1.82	88574	0.01	2000	
Zn	66	1	No Gas	16.680	16.680	1.63	72302	0.02	2000	
Se	82	1	No Gas	18.844	18.844	4.81	5846	0.32	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1031193	2.72	1347953	76.50	70	120	
Ge	72	2	He	913419	0.94	1047186	87.23	70	120	
Ge	72	1	No Gas	2884243	1.07	3504068	82.31	70	120	
In	115	1	No Gas	3262061	1.59	4101195	79.54	70	120	
Bi	209	1	No Gas	2528369	7.29	3488917	72.47	70	120	

Sample Report

Sample Table

Sample Name	HS23060596-05
Data File Name	378SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T23:48:01-05:00
Sample Type	Sample
Dilution	1
Comment	TW DOD B 195358 As
ISTD Ref FileName	322CALB.d
Sample QC Pass/Fail	Fail
ISTD Pass/Fail	Fail

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	Conc	FinalConc	Conc %RSD	CPS	%RSD	LDR	QC Flag
Li	7	1	No Gas	154.838	154.838	1.71	2112218	0.01	2000	
Be	9	1	No Gas	0.022	0.022	42.05	102	0.02	2000	
V	51	2	He	1.278	1.278	2.96	16308	0.01	2000	
Cr	52	2	He	0.326	0.326	10.08	30999	0.00	2000	
Fe	56	2	He	149.547	149.547	1.08	1316839	0.01	200000	
Se	78	2	He	1.174	1.174	16.79	365	0.32	2000	
As	75	2	He	0.528	0.528	3.60	1067	0.05	2000	
Ca	44	2	He	310008.244	310008.244	0.17	21086041	1.47	200000	>LDR
Na	23	2	He	506333.254	506333.254	0.85	751065962	0.07	200000	>LDR
Mg	24	2	He	204829.709	204829.709	0.93	183150077	0.11	200000	>LDR
K	39	2	He	1084.684	1084.684	1.37	1611553	0.07	200000	
Mn	55	2	He	157.048	157.048	2.48	1236144	0.01	2000	
Co	59	2	He	2.254	2.254	0.12	28981	0.01	2000	
Ni	60	2	He	13.919	13.919	1.46	45058	0.03	2000	
Cu	63	2	He	0.833	0.833	4.69	7055	0.01	2000	
Zn	66	2	He	12.822	12.822	1.17	23674	0.05	2000	
Al	27	2	He	79.256	79.256	2.14	57158	0.14	2000	
B	11	1	No Gas	10.497	10.497	6.44	63038	0.02	2000	
Al	27	1	No Gas	88.335	88.335	7.33	1767386	0.00	2000	
Si	28	1	No Gas	20441.182	20441.182	1.48	209184250	0.01	2000	>LDR
Ag	107	1	No Gas	0.031	0.031	21.65	717	0.00	2000	
Cd	111	1	No Gas	0.716	0.716	6.42	2718	0.03	2000	
Sr	88	1	No Gas	7135.248	7135.248	1.48	275060469	0.00	2000	>LDR
Mo	95	1	No Gas	0.105	0.105	2.35	1643	0.01	2000	
Sn	118	1	No Gas	-0.063	-0.063	-18.57	1160	-0.01	2000	
Sb	121	1	No Gas	0.120	0.120	4.46	2260	0.01	2000	
Ba	137	1	No Gas	23.045	23.045	1.64	149641	0.02	2000	
Tl	205	1	No Gas	0.004	0.004	30.81	367	0.00	2000	
Tl	203	1	No Gas	0.008	0.008	40.59	193	0.00	2000	
Pb	208	1	No Gas	0.236	0.236	5.22	10119	0.00	2000	
U	238	1	No Gas	6.723	6.723	6.92	257909	0.00	2000	
Ca	43	2	He	333536.753	333536.753	1.20	1389220	24.01	200000	>LDR
Sb	121	2	He	0.104	0.104	4.13	1113	0.01	2000	
Ti	47	2	He	5.603	5.603	14.97	2104	0.27	2000	
Cu	63	1	No Gas	6.514	6.514	2.24	93054	0.01	2000	
Zn	66	1	No Gas	15.842	15.842	2.66	68265	0.02	2000	
Se	82	1	No Gas	20.191	20.191	3.70	6196	0.33	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1024428	1.95	1347953	76.00	70	120	
Ge	72	2	He	935496	0.72	1047186	89.33	70	120	
Ge	72	1	No Gas	2857610	1.27	3504068	81.55	70	120	
In	115	1	No Gas	3228399	0.77	4101195	78.72	70	120	
Bi	209	1	No Gas	2422339	6.99	3488917	69.43	70	120	ISTD Failed

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	380_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T23:51:59-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	322CALB.d
n	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
Li	7	1	No Gas	105.673	2.112	1395296	0.91	100	105.7	90	110	
Be	9	1	No Gas	107.150	2.436	408609	1.53	100	107.1	90	110	
V	51	2	He	98.214	0.276	824424	0.27	100	98.2	90	110	
Cr	52	2	He	94.291	1.654	897431	1.57	100	94.3	90	110	
Fe	56	2	He	9660.035	0.515	80114905	0.45	10000	96.6	90	110	
Se	78	2	He	98.308	1.270	16971	1.24	100	98.3	90	110	
As	75	2	He	98.554	0.100	134077	0.07	100	98.6	90	110	
Ca	44	2	He	9976.440	0.915	657114	0.88	10000	99.8	90	110	
Na	23	2	He	9346.400	0.343	13460129	0.36	10000	93.5	90	110	
Mg	24	2	He	9387.400	0.529	8103618	0.54	10000	93.9	90	110	
K	39	2	He	9909.083	1.705	13051838	1.72	10000	99.1	90	110	
Mn	55	2	He	98.752	0.961	750656	0.92	100	98.8	90	110	
Co	59	2	He	100.404	0.876	1239946	0.86	100	100.4	90	110	
Ni	60	2	He	96.122	0.660	296351	0.60	100	96.1	90	110	
Cu	63	2	He	98.177	0.861	726133	0.83	100	98.2	90	110	
Zn	66	2	He	99.050	0.514	162918	0.48	100	99.0	90	110	
Al	27	2	He	100.044	6.227	68814	5.92	100	100.0	90	110	
B	11	1	No Gas	509.631	1.558	1221615	0.50	500	101.9	90	110	
Al	27	1	No Gas	105.617	0.626	2109834	1.51	100	105.6	90	110	
Si	28	1	No Gas	572.974	0.262	6347760	1.63	5000	11.5	90	110	CCV Main CR1-2 Failed
Ag	107	1	No Gas	101.645	2.335	2002160	1.64	100	101.6	90	110	
Cd	111	1	No Gas	101.521	2.086	408698	1.43	100	101.5	90	110	
Sr	88	1	No Gas	102.687	1.349	4168614	0.78	100	102.7	90	110	
Mo	95	1	No Gas	101.512	2.088	830020	1.50	100	101.5	90	110	
Sn	118	1	No Gas	101.935	1.698	1257068	1.15	100	101.9	90	110	
Sb	121	1	No Gas	105.290	2.248	1732655	0.83	100	105.3	90	110	
Ba	137	1	No Gas	102.884	2.683	698912	2.00	100	102.9	90	110	
Tl	205	1	No Gas	98.364	9.936	3163713	3.36	100	98.4	90	110	
Tl	203	1	No Gas	96.065	9.276	1324559	2.47	100	96.1	90	110	
Pb	208	1	No Gas	98.643	8.790	4679328	2.80	100	98.6	90	110	
U	238	1	No Gas	97.407	9.182	4595689	3.05	100	97.4	90	110	
Ca	43	2	He	9735.761	1.638	39270	1.59	10000	97.4	90	110	
Sb	121	2	He	98.538	0.541	896993	0.58	100	98.5	90	110	
Ti	47	2	He	97.668	1.611	34991	1.55	100	97.7	90	110	
Cu	63	1	No Gas	101.640	0.955	1442844	2.67	100	101.6	90	110	
Se	82	1	No Gas	101.615	2.164	30811	0.29	100	101.6	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	976615	1.11	1347953	72.45	70	120	
Ge	72	2	He	902940	0.06	1047186	86.23	70	120	
Ge	72	1	No Gas	2879615	1.86	3504068	82.18	70	120	
In	115	1	No Gas	3395957	0.80	4101195	82.80	70	120	
Bi	209	1	No Gas	2983340	7.27	3488917	85.51	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	381_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq Date Time	2023-06-20T23:53:49-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	322CALB.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
Li	7	1	No Gas	0.525	3.9	75667	0.1	0.5	CCB Main CR1 Failed
Be	9	1	No Gas	0.012	32.0	63	25.4	0.5	
V	51	2	He	-0.044	-31.9	4786	2.8	2.5	
Cr	52	2	He	-0.111	-57.8	26292	1.7	2.5	
Fe	56	2	He	1.476	15.0	44165	4.1	100	
Se	78	2	He	0.290	13.2	205	3.7	2	
As	75	2	He	0.015	323.1	338	19.4	2.5	
Ca	44	2	He	-8.483	-13.9	1697	4.2	100	
Na	23	2	He	68.353	1.5	180488	0.8	100	
Mg	24	2	He	3.891	8.6	5081	5.3	100	
K	39	2	He	3.827	63.9	149715	1.7	100	
Mn	55	2	He	0.029	31.8	1140	6.1	2.5	
Co	59	2	He	0.007	19.5	230	7.5	2.5	
Ni	60	2	He	-0.005	-83.5	667	2.3	2.5	
Cu	63	2	He	-0.009	-46.7	597	5.1	2	
Zn	66	2	He	-0.074	-58.5	1934	4.0	2.5	
Al	27	2	He	-2.798	-3.1	1340	3.7	5	
B	11	1	No Gas	4.989	11.8	49229	3.2	0.5	CCB Main CR1 Failed
Al	27	1	No Gas	-3.095	-0.3	45783	2.5	5	
Si	28	1	No Gas	2.808	32.2	493050	0.8	10	
Ag	107	1	No Gas	0.009	22.6	330	12.1	2.5	
Cd	111	1	No Gas	0.016	1.1	39	1.9	1	
Sr	88	1	No Gas	0.069	10.5	7692	4.0	2.5	
Mo	95	1	No Gas	0.070	32.2	1477	12.9	2.5	
Sn	118	1	No Gas	0.181	10.8	4341	5.6	5	
Sb	121	1	No Gas	0.113	11.0	2214	11.4	2.5	
Ba	137	1	No Gas	-0.081	-11.5	563	11.6	2.5	
Tl	205	1	No Gas	0.712	36.4	24244	43.2	1	
Tl	203	1	No Gas	0.719	34.5	10475	41.6	1	
Pb	208	1	No Gas	0.017	53.7	2117	28.5	2.5	
U	238	1	No Gas	0.031	29.7	1610	36.1	2.5	
Ca	43	2	He	-7.588	-96.9	103	29.6	100	
Sb	121	2	He	0.069	10.9	773	8.8	2.5	
Ti	47	2	He	-0.018	-86.7	17	34.6	2.5	
Cu	63	1	No Gas	0.050	13.5	2184	5.4	2.5	
Se	82	1	No Gas	0.027	832.9	159	44.3	2	

QC ISTD Table

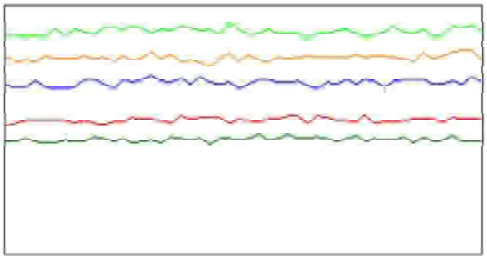
Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	1016480	0.42	1347953	75.41	70	120	
Ge	72	2	He	917315	0.58	1047186	87.60	70	120	
Ge	72	1	No Gas	2956907	2.13	3504068	84.38	70	120	
In	115	1	No Gas	3482520	0.11	4101195	84.91	70	120	
Bi	209	1	No Gas	3051140	7.40	3488917	87.45	70	120	

Tune Check Report

Operator Name	ALSHS NoUser
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\062023A.b
Acq. Date-Time	6/20/2023 8:56:32 AM
Report Comment	---
Instrument Name	G8421A SG18523544

[No Gas]

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	5438	54380.42		
24	20000	18007	180074.88		
59	50000	34707	347070.91		
115	50000	39758	397582.37		
208	50000	23226	232257.58		

Mass	Resp Ratio	Resp Ratio (Required)	Resp Ratio (Flag)
9		-	
24		-	
59		-	
115		-	
208		-	

Mass	RSD%	RSD% (Required)	RSD% (Flag)
9	1.780	5.000	
24	1.688	5.000	
59	1.807	5.000	
115	1.669	5.000	
208	1.956	5.000	

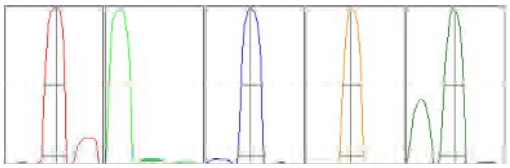
Mass	Background	Background (Required)	Background (Flag)
9	1.300		
24	2.400		
59	1.300		
115	1.300		
208	4.100		

Oxide/Doubly Charged Ratio

Oxide	156 / 140 1.445 %
Doubly Charged	70 / 140 1.161 %

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	5532.22	9.10	8.90 - 9.10	
24	17912.44	23.95	23.90 - 24.10	
59	35047.96	58.90	58.90 - 59.10	
115	40252.21	114.90	114.90 - 115.10	
208	23207.59	208.00	207.90 - 208.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.63	0.742		
24	0.66	0.771		
59	0.61	0.774		
115	0.55	0.731		
208	0.60	0.787		

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.57 L/min	Dilution Gas	0.50 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	9.0 V	Deflect	15.5 V
Extract 2	-200.0 V	Cell Entrance	-30 V	Plate Bias	-50 V
Omega Bias	-90 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	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	133	Axis Gain	1.0003	QP Bias	-3.0 V
Mass Offset	125	Axis Offset	0.09		

Hardware Settings

Torch

Torch H	0.6 mm	Torch V	-0.8 mm

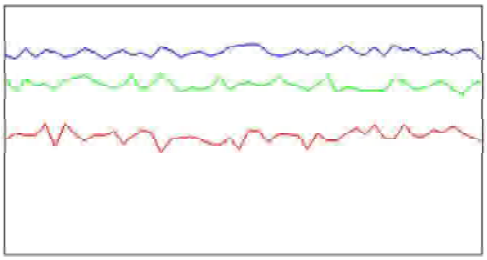
EM

Discriminator	5.0 mV	Analog HV	3042 V	Pulse HV	1666 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	239	2389.80		
24	2000	1372	13717.90		
59	20000	16330	163298.29		

Mass	Resp Ratio	Resp Ratio (Required)	Resp Ratio (Flag)
9		-	
24		-	
59		-	

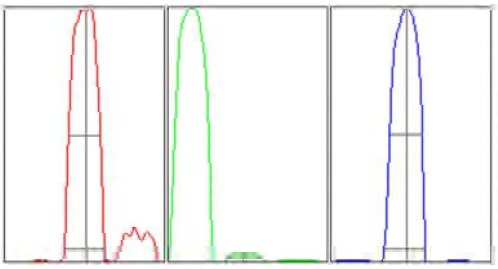
Mass	RSD%	RSD% (Required)	RSD% (Flag)
9	5.557	5.000	Fail
24	3.027	5.000	
59	1.888	5.000	

Mass	Background	Background (Required)	Background (Flag)
9	0.100		
24	0.200		
59	0.400		

Oxide/Doubly Charged Ratio

Oxide	156 / 140 2.255 %
Doubly Charged	70 / 140 1.141 %

Resolution/Axis



Integration Time [sec]	0.1
Acquisition Time [sec]	22.24
Y Axis	Linear

Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	231.28	9.05	8.90 - 9.10	
24	1360.71	23.95	23.90 - 24.10	
59	16336.88	58.95	58.90 - 59.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.61	0.741		
24	0.66	0.769		

Tune Check Report

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
59	0.61	0.770		

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.57 L/min	Dilution Gas	0.50 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	9.5 V	Deflect	0.9 V
Extract 2	-200.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-90 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	3.0 V
He Flow	3.8 mL/min	OctP Bias	-18.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	133	Axis Gain	1.0003	QP Bias	-15.0 V
Mass Offset	125	Axis Offset	0.09		

Hardware Settings

Torch

Torch H	0.6 mm	Torch V	-0.8 mm

EM

Discriminator	5.0 mV	Analog HV	3042 V	Pulse HV	1666 V

HS23060722 LHAAP58 Cover Page

ALS WO# HS23060722

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WorkOrder: HS23060722

LHAAP-58

Bhate Environmental Associates, Inc.

Marcia Olive
445 Union Blvd Ste 129
Lakewood CO 80228

21-Jun-2023

HS23060722 LHAAP58 Final

ALS WO# HS23060722

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June 28, 2023

Marcia Olive
Bhate Environmental Associates, Inc.
445 Union Blvd Ste 129
Lakewood, CO 80228

Work Order: **HS23060722**

Laboratory Results for: **LHAAP-58**

Dear Marcia Olive,

ALS Environmental received 10 sample(s) on Jun 13, 2023 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: DAYNA.FISHER
James Guin

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Work Order: HS23060722

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23060722-01	35AWW05_060723	Water		07-Jun-2023 07:20	13-Jun-2023 09:40	☐
HS23060722-02	35AWW15_060723	Water		07-Jun-2023 08:00	13-Jun-2023 09:40	☐
HS23060722-03	35AWW16_060723	Water		07-Jun-2023 08:40	13-Jun-2023 09:40	☐
HS23060722-04	35AWW17_060723	Water		07-Jun-2023 09:20	13-Jun-2023 09:40	☐
HS23060722-05	35AWW18_060723	Water		07-Jun-2023 10:00	13-Jun-2023 09:40	☐
HS23060722-06	LHSMW06_060723	Water		07-Jun-2023 10:45	13-Jun-2023 09:40	☐
HS23060722-07	LHSMW06_060723.a	Water		07-Jun-2023 10:45	13-Jun-2023 09:40	☐
HS23060722-08	35AWW24_060723	Water		07-Jun-2023 11:30	13-Jun-2023 09:40	☐
HS23060722-09	35AWW14_060723	Water		07-Jun-2023 11:40	13-Jun-2023 09:40	☐
HS23060722-10	Trip Blank	Water	CG-041923-630	07-Jun-2023 00:00	13-Jun-2023 09:40	☐

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Work Order: HS23060722

CASE NARRATIVE

GCMS Volatiles by Method SW8260

Batch ID: R439205

Sample ID: 35AWW18_060723 (HS23060722-05MS)

- MS and/or MSD recovered outside control limits for multiple compounds

Metals by Method SW6020A

Batch ID: 196608

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 35AWW05_060723
Collection Date: 07-Jun-2023 07:20

ANALYTICAL REPORT
WorkOrder:HS23060722
Lab ID:HS23060722-01
Matrix:Water

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C	**Method:SW8260**							Analyst: PC
1,1,1,2-Tetrachloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 15:50
1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 15:50
1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 15:50
1,1,2-Trichloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 15:50
1,1-Dichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 15:50
1,1-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 15:50
1,1-Dichloropropene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 15:50
1,2,3-Trichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 15:50
1,2,3-Trichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 15:50
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 15:50
1,2,4-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 15:50
1,2-Dibromo-3-chloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 15:50
1,2-Dibromoethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 15:50
1,2-Dichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 15:50
1,2-Dichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 15:50
1,2-Dichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 15:50
1,3,5-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 15:50
1,3-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 15:50
1,3-Dichloropropane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 15:50
1,4-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 15:50
2,2-Dichloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 15:50
2-Butanone	0.50	U	0.50	0.50	2.0	ug/L	1	17-Jun-2023 15:50
2-Chlorotoluene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 15:50
2-Hexanone	0.50	U	1.0	0.50	2.0	ug/L	1	17-Jun-2023 15:50
4-Chlorotoluene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 15:50
4-Isopropyltoluene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 15:50
4-Methyl-2-pentanone	0.50	U	0.70	0.50	2.0	ug/L	1	17-Jun-2023 15:50
Acetone	0.50	U	0.40	0.50	2.0	ug/L	1	17-Jun-2023 15:50
Benzene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 15:50
Bromobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 15:50
Bromochloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 15:50
Bromodichloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 15:50
Bromoform	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 15:50
Bromomethane	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 15:50
Carbon disulfide	0.50	U	0.60	0.50	2.0	ug/L	1	17-Jun-2023 15:50
Carbon tetrachloride	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 15:50
Chlorobenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 15:50
Chloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 15:50
Chloroform	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 15:50

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 35AWW05_060723
Collection Date: 07-Jun-2023 07:20

ANALYTICAL REPORT
WorkOrder:HS23060722
Lab ID:HS23060722-01
Matrix:Water

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C		**Method:SW8260**						Analyst: PC
Chloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 15:50
cis-1,2-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 15:50
cis-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 15:50
Dibromochloromethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 15:50
Dibromomethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 15:50
Dichlorodifluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 15:50
Ethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 15:50
Hexachlorobutadiene	0.50	U	1.0	0.50	1.0	ug/L	1	17-Jun-2023 15:50
Isopropylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 15:50
m,p-Xylene	1.0	U	0.50	1.0	2.0	ug/L	1	17-Jun-2023 15:50
Methylene chloride	0.50	U	0.40	0.50	2.0	ug/L	1	17-Jun-2023 15:50
n-Butylbenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 15:50
n-Propylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 15:50
Naphthalene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 15:50
o-Xylene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 15:50
sec-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 15:50
Styrene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 15:50
tert-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 15:50
Tetrachloroethene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 15:50
Toluene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 15:50
trans-1,2-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 15:50
trans-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 15:50
Trichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 15:50
Trichlorofluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 15:50
Vinyl chloride	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 15:50
Surr: 1,2-Dichloroethane-d4	*104*			**0**	*81-118*	*%REC*	*1*	*17-Jun-2023 15:50*
Surr: 4-Bromofluorobenzene	*98.1*			**0**	*85-114*	*%REC*	*1*	*17-Jun-2023 15:50*
Surr: Dibromofluoromethane	*100*			**0**	*80-119*	*%REC*	*1*	*17-Jun-2023 15:50*
Surr: Toluene-d8	*106*			**0**	*89-112*	*%REC*	*1*	*17-Jun-2023 15:50*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 35AWW15_060723
Collection Date: 07-Jun-2023 08:00

ANALYTICAL REPORT
WorkOrder:HS23060722
Lab ID:HS23060722-02
Matrix:Water

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C	**Method:SW8260**							Analyst: PC
1,1,1,2-Tetrachloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:11
1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:11
1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 16:11
1,1,2-Trichloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:11
1,1-Dichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:11
1,1-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:11
1,1-Dichloropropene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:11
1,2,3-Trichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 16:11
1,2,3-Trichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 16:11
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 16:11
1,2,4-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:11
1,2-Dibromo-3-chloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:11
1,2-Dibromoethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:11
1,2-Dichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 16:11
1,2-Dichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:11
1,2-Dichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 16:11
1,3,5-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:11
1,3-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 16:11
1,3-Dichloropropane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:11
1,4-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 16:11
2,2-Dichloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:11
2-Butanone	0.50	U	0.50	0.50	2.0	ug/L	1	17-Jun-2023 16:11
2-Chlorotoluene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:11
2-Hexanone	0.50	U	1.0	0.50	2.0	ug/L	1	17-Jun-2023 16:11
4-Chlorotoluene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 16:11
4-Isopropyltoluene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:11
4-Methyl-2-pentanone	0.50	U	0.70	0.50	2.0	ug/L	1	17-Jun-2023 16:11
Acetone	0.50	U	0.40	0.50	2.0	ug/L	1	17-Jun-2023 16:11
Benzene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:11
Bromobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 16:11
Bromochloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:11
Bromodichloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:11
Bromoform	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 16:11
Bromomethane	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 16:11
Carbon disulfide	0.50	U	0.60	0.50	2.0	ug/L	1	17-Jun-2023 16:11
Carbon tetrachloride	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 16:11
Chlorobenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:11
Chloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:11
Chloroform	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:11

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 35AWW15_060723
Collection Date: 07-Jun-2023 08:00

ANALYTICAL REPORT
WorkOrder:HS23060722
Lab ID:HS23060722-02
Matrix:Water

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C	**Method:SW8260**							Analyst: PC
Chloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:11
cis-1,2-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:11
cis-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:11
Dibromochloromethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:11
Dibromomethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:11
Dichlorodifluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:11
Ethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:11
Hexachlorobutadiene	0.50	U	1.0	0.50	1.0	ug/L	1	17-Jun-2023 16:11
Isopropylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:11
m,p-Xylene	1.0	U	0.50	1.0	2.0	ug/L	1	17-Jun-2023 16:11
Methylene chloride	0.50	U	0.40	0.50	2.0	ug/L	1	17-Jun-2023 16:11
n-Butylbenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 16:11
n-Propylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:11
Naphthalene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:11
o-Xylene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:11
sec-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:11
Styrene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:11
tert-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:11
Tetrachloroethene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:11
Toluene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:11
trans-1,2-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:11
trans-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:11
Trichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:11
Trichlorofluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:11
Vinyl chloride	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:11
Surr: 1,2-Dichloroethane-d4	*105*			**0**	*81-118*	*%REC*	*1*	*17-Jun-2023 16:11*
Surr: 4-Bromofluorobenzene	*96.7*			**0**	*85-114*	*%REC*	*1*	*17-Jun-2023 16:11*
Surr: Dibromofluoromethane	*100*			**0**	*80-119*	*%REC*	*1*	*17-Jun-2023 16:11*
Surr: Toluene-d8	*107*			**0**	*89-112*	*%REC*	*1*	*17-Jun-2023 16:11*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 35AWW16_060723
Collection Date: 07-Jun-2023 08:40

ANALYTICAL REPORT
WorkOrder:HS23060722
Lab ID:HS23060722-03
Matrix:Water

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C	**Method:SW8260**							Analyst: PC
1,1,1,2-Tetrachloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:32
1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:32
1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 16:32
1,1,2-Trichloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:32
1,1-Dichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:32
1,1-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:32
1,1-Dichloropropene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:32
1,2,3-Trichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 16:32
1,2,3-Trichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 16:32
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 16:32
1,2,4-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:32
1,2-Dibromo-3-chloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:32
1,2-Dibromoethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:32
1,2-Dichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 16:32
1,2-Dichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:32
1,2-Dichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 16:32
1,3,5-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:32
1,3-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 16:32
1,3-Dichloropropane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:32
1,4-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 16:32
2,2-Dichloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:32
2-Butanone	0.50	U	0.50	0.50	2.0	ug/L	1	17-Jun-2023 16:32
2-Chlorotoluene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:32
2-Hexanone	0.50	U	1.0	0.50	2.0	ug/L	1	17-Jun-2023 16:32
4-Chlorotoluene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 16:32
4-Isopropyltoluene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:32
4-Methyl-2-pentanone	0.50	U	0.70	0.50	2.0	ug/L	1	17-Jun-2023 16:32
Acetone	0.50	U	0.40	0.50	2.0	ug/L	1	17-Jun-2023 16:32
Benzene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:32
Bromobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 16:32
Bromochloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:32
Bromodichloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:32
Bromoform	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 16:32
Bromomethane	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 16:32
Carbon disulfide	0.50	U	0.60	0.50	2.0	ug/L	1	17-Jun-2023 16:32
Carbon tetrachloride	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 16:32
Chlorobenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:32
Chloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:32
Chloroform	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:32

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 35AWW16_060723
Collection Date: 07-Jun-2023 08:40

ANALYTICAL REPORT
WorkOrder:HS23060722
Lab ID:HS23060722-03
Matrix:Water

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C		**Method:SW8260**						Analyst: PC
Chloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:32
cis-1,2-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:32
cis-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:32
Dibromochloromethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:32
Dibromomethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:32
Dichlorodifluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:32
Ethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:32
Hexachlorobutadiene	0.50	U	1.0	0.50	1.0	ug/L	1	17-Jun-2023 16:32
Isopropylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:32
m,p-Xylene	1.0	U	0.50	1.0	2.0	ug/L	1	17-Jun-2023 16:32
Methylene chloride	0.50	U	0.40	0.50	2.0	ug/L	1	17-Jun-2023 16:32
n-Butylbenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 16:32
n-Propylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:32
Naphthalene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:32
o-Xylene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:32
sec-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:32
Styrene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:32
tert-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:32
Tetrachloroethene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:32
Toluene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:32
trans-1,2-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:32
trans-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:32
Trichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:32
Trichlorofluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:32
Vinyl chloride	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:32
Surr: 1,2-Dichloroethane-d4	*106*			**0**	*81-118*	*%REC*	*1*	*17-Jun-2023 16:32*
Surr: 4-Bromofluorobenzene	*97.3*			**0**	*85-114*	*%REC*	*1*	*17-Jun-2023 16:32*
Surr: Dibromofluoromethane	*101*			**0**	*80-119*	*%REC*	*1*	*17-Jun-2023 16:32*
Surr: Toluene-d8	*107*			**0**	*89-112*	*%REC*	*1*	*17-Jun-2023 16:32*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 35AWW17_060723
Collection Date: 07-Jun-2023 09:20

ANALYTICAL REPORT
WorkOrder:HS23060722
Lab ID:HS23060722-04
Matrix:Water

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C	**Method:SW8260**							Analyst: PC
1,1,1,2-Tetrachloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:53
1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:53
1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 16:53
1,1,2-Trichloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:53
1,1-Dichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:53
1,1-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:53
1,1-Dichloropropene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:53
1,2,3-Trichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 16:53
1,2,3-Trichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 16:53
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 16:53
1,2,4-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:53
1,2-Dibromo-3-chloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:53
1,2-Dibromoethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:53
1,2-Dichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 16:53
1,2-Dichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:53
1,2-Dichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 16:53
1,3,5-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:53
1,3-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 16:53
1,3-Dichloropropane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:53
1,4-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 16:53
2,2-Dichloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:53
2-Butanone	0.50	U	0.50	0.50	2.0	ug/L	1	17-Jun-2023 16:53
2-Chlorotoluene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:53
2-Hexanone	0.50	U	1.0	0.50	2.0	ug/L	1	17-Jun-2023 16:53
4-Chlorotoluene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 16:53
4-Isopropyltoluene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:53
4-Methyl-2-pentanone	0.50	U	0.70	0.50	2.0	ug/L	1	17-Jun-2023 16:53
Acetone	0.50	U	0.40	0.50	2.0	ug/L	1	17-Jun-2023 16:53
Benzene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:53
Bromobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 16:53
Bromochloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:53
Bromodichloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:53
Bromoform	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 16:53
Bromomethane	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 16:53
Carbon disulfide	0.50	U	0.60	0.50	2.0	ug/L	1	17-Jun-2023 16:53
Carbon tetrachloride	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 16:53
Chlorobenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:53
Chloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:53
Chloroform	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 35AWW17_060723
Collection Date: 07-Jun-2023 09:20

ANALYTICAL REPORT
WorkOrder:HS23060722
Lab ID:HS23060722-04
Matrix:Water

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C		**Method:SW8260**						Analyst: PC
Chloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:53
cis-1,2-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:53
cis-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:53
Dibromochloromethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:53
Dibromomethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:53
Dichlorodifluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:53
Ethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:53
Hexachlorobutadiene	0.50	U	1.0	0.50	1.0	ug/L	1	17-Jun-2023 16:53
Isopropylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:53
m,p-Xylene	1.0	U	0.50	1.0	2.0	ug/L	1	17-Jun-2023 16:53
Methylene chloride	0.50	U	0.40	0.50	2.0	ug/L	1	17-Jun-2023 16:53
n-Butylbenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 16:53
n-Propylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:53
Naphthalene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:53
o-Xylene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:53
sec-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:53
Styrene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:53
tert-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:53
Tetrachloroethene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:53
Toluene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:53
trans-1,2-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:53
trans-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:53
Trichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:53
Trichlorofluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 16:53
Vinyl chloride	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 16:53
Surr: 1,2-Dichloroethane-d4	*108*			**0**	*81-118*	*%REC*	*1*	*17-Jun-2023 16:53*
Surr: 4-Bromofluorobenzene	*96.4*			**0**	*85-114*	*%REC*	*1*	*17-Jun-2023 16:53*
Surr: Dibromofluoromethane	*102*			**0**	*80-119*	*%REC*	*1*	*17-Jun-2023 16:53*
Surr: Toluene-d8	*107*			**0**	*89-112*	*%REC*	*1*	*17-Jun-2023 16:53*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 35AWW18_060723
Collection Date: 07-Jun-2023 10:00

ANALYTICAL REPORT
WorkOrder:HS23060722
Lab ID:HS23060722-05
Matrix:Water

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C		**Method:SW8260**						Analyst: PC
1,1,1,2-Tetrachloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 14:05
1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 14:05
1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 14:05
1,1,2-Trichloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 14:05
1,1-Dichloroethane	**5.9**		**0.20**	**0.50**	**1.0**	**ug/L**	1	17-Jun-2023 14:05
1,1-Dichloroethene	**29**		**0.20**	**0.50**	**1.0**	**ug/L**	1	17-Jun-2023 14:05
1,1-Dichloropropene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 14:05
1,2,3-Trichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 14:05
1,2,3-Trichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 14:05
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 14:05
1,2,4-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 14:05
1,2-Dibromo-3-chloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 14:05
1,2-Dibromoethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 14:05
1,2-Dichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 14:05
1,2-Dichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 14:05
1,2-Dichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 14:05
1,3,5-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 14:05
1,3-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 14:05
1,3-Dichloropropane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 14:05
1,4-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 14:05
2,2-Dichloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 14:05
2-Butanone	0.50	U	0.50	0.50	2.0	ug/L	1	17-Jun-2023 14:05
2-Chlorotoluene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 14:05
2-Hexanone	0.50	U	1.0	0.50	2.0	ug/L	1	17-Jun-2023 14:05
4-Chlorotoluene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 14:05
4-Isopropyltoluene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 14:05
4-Methyl-2-pentanone	0.50	U	0.70	0.50	2.0	ug/L	1	17-Jun-2023 14:05
Acetone	0.50	U	0.40	0.50	2.0	ug/L	1	17-Jun-2023 14:05
Benzene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 14:05
Bromobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 14:05
Bromochloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 14:05
Bromodichloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 14:05
Bromoform	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 14:05
Bromomethane	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 14:05
Carbon disulfide	0.50	U	0.60	0.50	2.0	ug/L	1	17-Jun-2023 14:05
Carbon tetrachloride	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 14:05
Chlorobenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 14:05
Chloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 14:05
Chloroform	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 14:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 35AWW18_060723
Collection Date: 07-Jun-2023 10:00

ANALYTICAL REPORT
WorkOrder:HS23060722
Lab ID:HS23060722-05
Matrix:Water

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C		**Method:SW8260**						Analyst: PC
Chloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 14:05
cis-1,2-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 14:05
cis-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 14:05
Dibromochloromethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 14:05
Dibromomethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 14:05
Dichlorodifluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 14:05
Ethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 14:05
Hexachlorobutadiene	0.50	U	1.0	0.50	1.0	ug/L	1	17-Jun-2023 14:05
Isopropylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 14:05
m,p-Xylene	1.0	U	0.50	1.0	2.0	ug/L	1	17-Jun-2023 14:05
Methylene chloride	0.50	U	0.40	0.50	2.0	ug/L	1	17-Jun-2023 14:05
n-Butylbenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 14:05
n-Propylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 14:05
Naphthalene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 14:05
o-Xylene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 14:05
sec-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 14:05
Styrene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 14:05
tert-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 14:05
Tetrachloroethene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 14:05
Toluene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 14:05
trans-1,2-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 14:05
trans-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 14:05
Trichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 14:05
Trichlorofluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 14:05
Vinyl chloride	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 14:05
Surr: 1,2-Dichloroethane-d4	*104*			**0**	*81-118*	*%REC*	*1*	*17-Jun-2023 14:05*
Surr: 4-Bromofluorobenzene	*98.3*			**0**	*85-114*	*%REC*	*1*	*17-Jun-2023 14:05*
Surr: Dibromofluoromethane	*101*			**0**	*80-119*	*%REC*	*1*	*17-Jun-2023 14:05*
Surr: Toluene-d8	*106*			**0**	*89-112*	*%REC*	*1*	*17-Jun-2023 14:05*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: LHSMW06_060723
Collection Date: 07-Jun-2023 10:45

ANALYTICAL REPORT
WorkOrder:HS23060722
Lab ID:HS23060722-06
Matrix:Water

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C		**Method:SW8260**						Analyst: PC
1,1,1,2-Tetrachloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:14
1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:14
1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 17:14
1,1,2-Trichloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:14
1,1-Dichloroethane	**8.2**		**0.20**	**0.50**	**1.0**	**ug/L**	1	17-Jun-2023 17:14
1,1-Dichloroethene	**21**		**0.20**	**0.50**	**1.0**	**ug/L**	1	17-Jun-2023 17:14
1,1-Dichloropropene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:14
1,2,3-Trichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 17:14
1,2,3-Trichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 17:14
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 17:14
1,2,4-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:14
1,2-Dibromo-3-chloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:14
1,2-Dibromoethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:14
1,2-Dichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 17:14
1,2-Dichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:14
1,2-Dichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 17:14
1,3,5-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:14
1,3-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 17:14
1,3-Dichloropropane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:14
1,4-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 17:14
2,2-Dichloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:14
2-Butanone	0.50	U	0.50	0.50	2.0	ug/L	1	17-Jun-2023 17:14
2-Chlorotoluene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:14
2-Hexanone	0.50	U	1.0	0.50	2.0	ug/L	1	17-Jun-2023 17:14
4-Chlorotoluene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 17:14
4-Isopropyltoluene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:14
4-Methyl-2-pentanone	0.50	U	0.70	0.50	2.0	ug/L	1	17-Jun-2023 17:14
Acetone	0.50	U	0.40	0.50	2.0	ug/L	1	17-Jun-2023 17:14
Benzene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:14
Bromobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 17:14
Bromochloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:14
Bromodichloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:14
Bromoform	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 17:14
Bromomethane	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 17:14
Carbon disulfide	0.50	U	0.60	0.50	2.0	ug/L	1	17-Jun-2023 17:14
Carbon tetrachloride	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 17:14
Chlorobenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:14
Chloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:14
Chloroform	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:14

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: LHSMW06_060723
Collection Date: 07-Jun-2023 10:45

ANALYTICAL REPORT
WorkOrder:HS23060722
Lab ID:HS23060722-06
Matrix:Water

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C		**Method:SW8260**						Analyst: PC
Chloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:14
cis-1,2-Dichloroethene	**120**		**0.20**	**0.50**	**1.0**	**ug/L**	1	17-Jun-2023 17:14
cis-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:14
Dibromochloromethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:14
Dibromomethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:14
Dichlorodifluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:14
Ethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:14
Hexachlorobutadiene	0.50	U	1.0	0.50	1.0	ug/L	1	17-Jun-2023 17:14
Isopropylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:14
m,p-Xylene	1.0	U	0.50	1.0	2.0	ug/L	1	17-Jun-2023 17:14
Methylene chloride	0.50	U	0.40	0.50	2.0	ug/L	1	17-Jun-2023 17:14
n-Butylbenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 17:14
n-Propylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:14
Naphthalene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:14
o-Xylene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:14
sec-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:14
Styrene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:14
tert-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:14
Tetrachloroethene	**3.1**		**0.30**	**0.50**	**1.0**	**ug/L**	1	17-Jun-2023 17:14
Toluene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:14
trans-1,2-Dichloroethene	**2.2**		**0.20**	**0.50**	**1.0**	**ug/L**	1	17-Jun-2023 17:14
trans-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:14
Trichloroethene	**21**		**0.20**	**0.50**	**1.0**	**ug/L**	1	17-Jun-2023 17:14
Trichlorofluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:14
Vinyl chloride	**6.6**		**0.20**	**0.50**	**1.0**	**ug/L**	1	17-Jun-2023 17:14
Surr: 1,2-Dichloroethane-d4	*105*			**0**	*81-118*	*%REC*	*1*	*17-Jun-2023 17:14*
Surr: 4-Bromofluorobenzene	*97.2*			**0**	*85-114*	*%REC*	*1*	*17-Jun-2023 17:14*
Surr: Dibromofluoromethane	*99.9*			**0**	*80-119*	*%REC*	*1*	*17-Jun-2023 17:14*
Surr: Toluene-d8	*106*			**0**	*89-112*	*%REC*	*1*	*17-Jun-2023 17:14*
METALS BY ICPMS BY SW6020A		**Method:SW6020A**				Prep:SW3010A / 22-Jun-2023		Analyst: JC
Arsenic	**0.000466**	J	**0.000400**	**0.00125**	**0.00500**	**mg/L**	1	28-Jun-2023 16:41

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: LHSMW06_060723.a
Collection Date: 07-Jun-2023 10:45

ANALYTICAL REPORT
WorkOrder:HS23060722
Lab ID:HS23060722-07
Matrix:Water

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C	**Method:SW8260**							Analyst: PC
1,1,1,2-Tetrachloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:35
1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:35
1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 17:35
1,1,2-Trichloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:35
1,1-Dichloroethane	**8.1**		**0.20**	**0.50**	**1.0**	**ug/L**	1	17-Jun-2023 17:35
1,1-Dichloroethene	**21**		**0.20**	**0.50**	**1.0**	**ug/L**	1	17-Jun-2023 17:35
1,1-Dichloropropene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:35
1,2,3-Trichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 17:35
1,2,3-Trichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 17:35
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 17:35
1,2,4-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:35
1,2-Dibromo-3-chloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:35
1,2-Dibromoethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:35
1,2-Dichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 17:35
1,2-Dichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:35
1,2-Dichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 17:35
1,3,5-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:35
1,3-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 17:35
1,3-Dichloropropane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:35
1,4-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 17:35
2,2-Dichloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:35
2-Butanone	0.50	U	0.50	0.50	2.0	ug/L	1	17-Jun-2023 17:35
2-Chlorotoluene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:35
2-Hexanone	0.50	U	1.0	0.50	2.0	ug/L	1	17-Jun-2023 17:35
4-Chlorotoluene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 17:35
4-Isopropyltoluene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:35
4-Methyl-2-pentanone	0.50	U	0.70	0.50	2.0	ug/L	1	17-Jun-2023 17:35
Acetone	0.50	U	0.40	0.50	2.0	ug/L	1	17-Jun-2023 17:35
Benzene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:35
Bromobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 17:35
Bromochloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:35
Bromodichloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:35
Bromoform	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 17:35
Bromomethane	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 17:35
Carbon disulfide	0.50	U	0.60	0.50	2.0	ug/L	1	17-Jun-2023 17:35
Carbon tetrachloride	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 17:35
Chlorobenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:35
Chloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:35
Chloroform	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:35

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: LHSMW06_060723.a
Collection Date: 07-Jun-2023 10:45

ANALYTICAL REPORT
WorkOrder:HS23060722
Lab ID:HS23060722-07
Matrix:Water

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C		**Method:SW8260**						Analyst: PC
Chloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:35
cis-1,2-Dichloroethene	**120**		**0.20**	**0.50**	**1.0**	**ug/L**	1	17-Jun-2023 17:35
cis-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:35
Dibromochloromethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:35
Dibromomethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:35
Dichlorodifluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:35
Ethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:35
Hexachlorobutadiene	0.50	U	1.0	0.50	1.0	ug/L	1	17-Jun-2023 17:35
Isopropylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:35
m,p-Xylene	1.0	U	0.50	1.0	2.0	ug/L	1	17-Jun-2023 17:35
Methylene chloride	0.50	U	0.40	0.50	2.0	ug/L	1	17-Jun-2023 17:35
n-Butylbenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 17:35
n-Propylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:35
Naphthalene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:35
o-Xylene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:35
sec-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:35
Styrene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:35
tert-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:35
Tetrachloroethene	**3.0**		**0.30**	**0.50**	**1.0**	**ug/L**	1	17-Jun-2023 17:35
Toluene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:35
trans-1,2-Dichloroethene	**2.3**		**0.20**	**0.50**	**1.0**	**ug/L**	1	17-Jun-2023 17:35
trans-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:35
Trichloroethene	**20**		**0.20**	**0.50**	**1.0**	**ug/L**	1	17-Jun-2023 17:35
Trichlorofluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:35
Vinyl chloride	**6.7**		**0.20**	**0.50**	**1.0**	**ug/L**	1	17-Jun-2023 17:35
Surr: 1,2-Dichloroethane-d4	*105*			**0**	*81-118*	*%REC*	*1*	*17-Jun-2023 17:35*
Surr: 4-Bromofluorobenzene	*96.5*			**0**	*85-114*	*%REC*	*1*	*17-Jun-2023 17:35*
Surr: Dibromofluoromethane	*100*			**0**	*80-119*	*%REC*	*1*	*17-Jun-2023 17:35*
Surr: Toluene-d8	*106*			**0**	*89-112*	*%REC*	*1*	*17-Jun-2023 17:35*
METALS BY ICPMS BY SW6020A		**Method:SW6020A**				Prep:SW3010A / 22-Jun-2023		Analyst: JC
Arsenic	0.00125	U	0.000400	0.00125	0.00500	mg/L	1	28-Jun-2023 17:01

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 35AWW24_060723
Collection Date: 07-Jun-2023 11:30

ANALYTICAL REPORT
WorkOrder:HS23060722
Lab ID:HS23060722-08
Matrix:Water

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C	**Method:SW8260**							Analyst: PC
1,1,1,2-Tetrachloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:56
1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:56
1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 17:56
1,1,2-Trichloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:56
1,1-Dichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:56
1,1-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:56
1,1-Dichloropropene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:56
1,2,3-Trichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 17:56
1,2,3-Trichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 17:56
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 17:56
1,2,4-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:56
1,2-Dibromo-3-chloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:56
1,2-Dibromoethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:56
1,2-Dichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 17:56
1,2-Dichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:56
1,2-Dichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 17:56
1,3,5-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:56
1,3-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 17:56
1,3-Dichloropropane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:56
1,4-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 17:56
2,2-Dichloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:56
2-Butanone	0.50	U	0.50	0.50	2.0	ug/L	1	17-Jun-2023 17:56
2-Chlorotoluene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:56
2-Hexanone	0.50	U	1.0	0.50	2.0	ug/L	1	17-Jun-2023 17:56
4-Chlorotoluene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 17:56
4-Isopropyltoluene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:56
4-Methyl-2-pentanone	0.50	U	0.70	0.50	2.0	ug/L	1	17-Jun-2023 17:56
Acetone	0.50	U	0.40	0.50	2.0	ug/L	1	17-Jun-2023 17:56
Benzene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:56
Bromobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 17:56
Bromochloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:56
Bromodichloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:56
Bromoform	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 17:56
Bromomethane	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 17:56
Carbon disulfide	0.50	U	0.60	0.50	2.0	ug/L	1	17-Jun-2023 17:56
Carbon tetrachloride	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 17:56
Chlorobenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:56
Chloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:56
Chloroform	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:56

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 35AWW24_060723
Collection Date: 07-Jun-2023 11:30

ANALYTICAL REPORT
WorkOrder:HS23060722
Lab ID:HS23060722-08
Matrix:Water

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C	**Method:SW8260**							Analyst: PC
Chloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:56
cis-1,2-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:56
cis-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:56
Dibromochloromethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:56
Dibromomethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:56
Dichlorodifluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:56
Ethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:56
Hexachlorobutadiene	0.50	U	1.0	0.50	1.0	ug/L	1	17-Jun-2023 17:56
Isopropylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:56
m,p-Xylene	1.0	U	0.50	1.0	2.0	ug/L	1	17-Jun-2023 17:56
Methylene chloride	0.50	U	0.40	0.50	2.0	ug/L	1	17-Jun-2023 17:56
n-Butylbenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 17:56
n-Propylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:56
Naphthalene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:56
o-Xylene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:56
sec-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:56
Styrene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:56
tert-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:56
Tetrachloroethene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:56
Toluene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:56
trans-1,2-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:56
trans-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:56
Trichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:56
Trichlorofluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 17:56
Vinyl chloride	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 17:56
Surr: 1,2-Dichloroethane-d4	*106*			**0**	*81-118*	*%REC*	*1*	*17-Jun-2023 17:56*
Surr: 4-Bromofluorobenzene	*98.2*			**0**	*85-114*	*%REC*	*1*	*17-Jun-2023 17:56*
Surr: Dibromofluoromethane	*101*			**0**	*80-119*	*%REC*	*1*	*17-Jun-2023 17:56*
Surr: Toluene-d8	*108*			**0**	*89-112*	*%REC*	*1*	*17-Jun-2023 17:56*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 35AWW14_060723
Collection Date: 07-Jun-2023 11:40

ANALYTICAL REPORT
WorkOrder:HS23060722
Lab ID:HS23060722-09
Matrix:Water

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C	**Method:SW8260**							Analyst: PC
1,1,1,2-Tetrachloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 18:17
1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 18:17
1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 18:17
1,1,2-Trichloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 18:17
1,1-Dichloroethane	**9.9**		**0.20**	**0.50**	**1.0**	**ug/L**	1	17-Jun-2023 18:17
1,1-Dichloroethene	**9.3**		**0.20**	**0.50**	**1.0**	**ug/L**	1	17-Jun-2023 18:17
1,1-Dichloropropene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 18:17
1,2,3-Trichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 18:17
1,2,3-Trichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 18:17
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 18:17
1,2,4-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 18:17
1,2-Dibromo-3-chloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 18:17
1,2-Dibromoethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 18:17
1,2-Dichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 18:17
1,2-Dichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 18:17
1,2-Dichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 18:17
1,3,5-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 18:17
1,3-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 18:17
1,3-Dichloropropane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 18:17
1,4-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 18:17
2,2-Dichloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 18:17
2-Butanone	0.50	U	0.50	0.50	2.0	ug/L	1	17-Jun-2023 18:17
2-Chlorotoluene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 18:17
2-Hexanone	0.50	U	1.0	0.50	2.0	ug/L	1	17-Jun-2023 18:17
4-Chlorotoluene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 18:17
4-Isopropyltoluene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 18:17
4-Methyl-2-pentanone	0.50	U	0.70	0.50	2.0	ug/L	1	17-Jun-2023 18:17
Acetone	**7.3**		**0.40**	**0.50**	**2.0**	**ug/L**	1	17-Jun-2023 18:17
Benzene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 18:17
Bromobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 18:17
Bromochloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 18:17
Bromodichloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 18:17
Bromoform	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 18:17
Bromomethane	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 18:17
Carbon disulfide	0.50	U	0.60	0.50	2.0	ug/L	1	17-Jun-2023 18:17
Carbon tetrachloride	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 18:17
Chlorobenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 18:17
Chloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 18:17
Chloroform	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 18:17

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: 35AWW14_060723
Collection Date: 07-Jun-2023 11:40

ANALYTICAL REPORT
WorkOrder:HS23060722
Lab ID:HS23060722-09
Matrix:Water

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C		**Method:SW8260**						Analyst: PC
Chloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 18:17
cis-1,2-Dichloroethene	**4.3**		**0.20**	**0.50**	**1.0**	**ug/L**	1	17-Jun-2023 18:17
cis-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 18:17
Dibromochloromethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 18:17
Dibromomethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 18:17
Dichlorodifluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 18:17
Ethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 18:17
Hexachlorobutadiene	0.50	U	1.0	0.50	1.0	ug/L	1	17-Jun-2023 18:17
Isopropylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 18:17
m,p-Xylene	1.0	U	0.50	1.0	2.0	ug/L	1	17-Jun-2023 18:17
Methylene chloride	0.50	U	0.40	0.50	2.0	ug/L	1	17-Jun-2023 18:17
n-Butylbenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 18:17
n-Propylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 18:17
Naphthalene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 18:17
o-Xylene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 18:17
sec-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 18:17
Styrene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 18:17
tert-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 18:17
Tetrachloroethene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 18:17
Toluene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 18:17
trans-1,2-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 18:17
trans-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 18:17
Trichloroethene	**10**		**0.20**	**0.50**	**1.0**	**ug/L**	1	17-Jun-2023 18:17
Trichlorofluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 18:17
Vinyl chloride	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 18:17
Surr: 1,2-Dichloroethane-d4	*105*			**0**	*81-118*	*%REC*	*1*	*17-Jun-2023 18:17*
Surr: 4-Bromofluorobenzene	*98.1*			**0**	*85-114*	*%REC*	*1*	*17-Jun-2023 18:17*
Surr: Dibromofluoromethane	*101*			**0**	*80-119*	*%REC*	*1*	*17-Jun-2023 18:17*
Surr: Toluene-d8	*106*			**0**	*89-112*	*%REC*	*1*	*17-Jun-2023 18:17*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: Trip Blank
Collection Date: 07-Jun-2023 00:00

ANALYTICAL REPORT
WorkOrder:HS23060722
Lab ID:HS23060722-10
Matrix:Water

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C	**Method:SW8260**							Analyst: PC
1,1,1,2-Tetrachloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 13:44
1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 13:44
1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 13:44
1,1,2-Trichloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 13:44
1,1-Dichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 13:44
1,1-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 13:44
1,1-Dichloropropene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 13:44
1,2,3-Trichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 13:44
1,2,3-Trichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 13:44
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 13:44
1,2,4-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 13:44
1,2-Dibromo-3-chloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 13:44
1,2-Dibromoethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 13:44
1,2-Dichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 13:44
1,2-Dichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 13:44
1,2-Dichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 13:44
1,3,5-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 13:44
1,3-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 13:44
1,3-Dichloropropane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 13:44
1,4-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 13:44
2,2-Dichloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 13:44
2-Butanone	0.50	U	0.50	0.50	2.0	ug/L	1	17-Jun-2023 13:44
2-Chlorotoluene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 13:44
2-Hexanone	0.50	U	1.0	0.50	2.0	ug/L	1	17-Jun-2023 13:44
4-Chlorotoluene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 13:44
4-Isopropyltoluene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 13:44
4-Methyl-2-pentanone	0.50	U	0.70	0.50	2.0	ug/L	1	17-Jun-2023 13:44
Acetone	0.50	U	0.40	0.50	2.0	ug/L	1	17-Jun-2023 13:44
Benzene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 13:44
Bromobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 13:44
Bromochloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 13:44
Bromodichloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 13:44
Bromoform	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 13:44
Bromomethane	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 13:44
Carbon disulfide	0.50	U	0.60	0.50	2.0	ug/L	1	17-Jun-2023 13:44
Carbon tetrachloride	0.50	U	0.50	0.50	1.0	ug/L	1	17-Jun-2023 13:44
Chlorobenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 13:44
Chloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 13:44
Chloroform	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 13:44

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
Sample ID: Trip Blank
Collection Date: 07-Jun-2023 00:00

ANALYTICAL REPORT
WorkOrder:HS23060722
Lab ID:HS23060722-10
Matrix:Water

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C		**Method:SW8260**						Analyst: PC
Chloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 13:44
cis-1,2-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 13:44
cis-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 13:44
Dibromochloromethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 13:44
Dibromomethane	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 13:44
Dichlorodifluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 13:44
Ethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 13:44
Hexachlorobutadiene	0.50	U	1.0	0.50	1.0	ug/L	1	17-Jun-2023 13:44
Isopropylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 13:44
m,p-Xylene	1.0	U	0.50	1.0	2.0	ug/L	1	17-Jun-2023 13:44
Methylene chloride	0.50	U	0.40	0.50	2.0	ug/L	1	17-Jun-2023 13:44
n-Butylbenzene	0.50	U	0.40	0.50	1.0	ug/L	1	17-Jun-2023 13:44
n-Propylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 13:44
Naphthalene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 13:44
o-Xylene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 13:44
sec-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 13:44
Styrene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 13:44
tert-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 13:44
Tetrachloroethene	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 13:44
Toluene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 13:44
trans-1,2-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 13:44
trans-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 13:44
Trichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 13:44
Trichlorofluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	17-Jun-2023 13:44
Vinyl chloride	0.50	U	0.20	0.50	1.0	ug/L	1	17-Jun-2023 13:44
Surr: 1,2-Dichloroethane-d4	*105*			**0**	*81-118*	*%REC*	*1*	*17-Jun-2023 13:44*
Surr: 4-Bromofluorobenzene	*95.8*			**0**	*85-114*	*%REC*	*1*	*17-Jun-2023 13:44*
Surr: Dibromofluoromethane	*100*			**0**	*80-119*	*%REC*	*1*	*17-Jun-2023 13:44*
Surr: Toluene-d8	*107*			**0**	*89-112*	*%REC*	*1*	*17-Jun-2023 13:44*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 28-Jun-23

Weight / Prep Log

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060722

Batch ID: 196608 **Start Date:** 22 Jun 2023 14:30 **End Date:** 22 Jun 2023 14:30
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23060722-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS23060722-07		10 (mL)	10 (mL)	1	120 plastic HNO3

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060722

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 196608 (0)	**Test Name :** METALS BY ICPMS BY SW6020A				**Matrix:** Water	
HS23060722-06	LHSMW06_060723	07 Jun 2023 10:45		22 Jun 2023 14:30	28 Jun 2023 16:41	1
HS23060722-07	LHSMW06_060723.a	07 Jun 2023 10:45		22 Jun 2023 14:30	28 Jun 2023 17:01	1
Batch ID: R439205 (0)	**Test Name :** VOLATILES ORGANICS BY METHOD 8260C				**Matrix:** Water	
HS23060722-01	35AWW05_060723	07 Jun 2023 07:20			17 Jun 2023 15:50	1
HS23060722-02	35AWW15_060723	07 Jun 2023 08:00			17 Jun 2023 16:11	1
HS23060722-03	35AWW16_060723	07 Jun 2023 08:40			17 Jun 2023 16:32	1
HS23060722-04	35AWW17_060723	07 Jun 2023 09:20			17 Jun 2023 16:53	1
HS23060722-05	35AWW18_060723	07 Jun 2023 10:00			17 Jun 2023 14:05	1
HS23060722-06	LHSMW06_060723	07 Jun 2023 10:45			17 Jun 2023 17:14	1
HS23060722-07	LHSMW06_060723.a	07 Jun 2023 10:45			17 Jun 2023 17:35	1
HS23060722-08	35AWW24_060723	07 Jun 2023 11:30			17 Jun 2023 17:56	1
HS23060722-09	35AWW14_060723	07 Jun 2023 11:40			17 Jun 2023 18:17	1
HS23060722-10	Trip Blank	07 Jun 2023 00:00			17 Jun 2023 13:44	1

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060722

QC BATCH REPORT

Batch ID: 196608 (0) **Instrument: ICPMS06** **Method: METALS BY ICPMS BY SW6020A**

MBLK Sample ID: **MBLK-196608** Units: **mg/L** Analysis Date: **28-Jun-2023 16:37**
Client ID: Run ID: **ICPMS06_440069** SeqNo: **7391179** PrepDate: **22-Jun-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.00125	0.00500								U

LCS Sample ID: **LCS-196608** Units: **mg/L** Analysis Date: **28-Jun-2023 16:39**
Client ID: Run ID: **ICPMS06_440069** SeqNo: **7391180** PrepDate: **22-Jun-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04748	0.00500	0.05	0	95.0	84 - 116				

MS Sample ID: **HS23060722-06MS** Units: **mg/L** Analysis Date: **28-Jun-2023 16:45**
Client ID: **LHSMW06_060723** Run ID: **ICPMS06_440069** SeqNo: **7391183** PrepDate: **22-Jun-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04958	0.00500	0.05	0.000466	98.2	84 - 116				

MSD Sample ID: **HS23060722-06MSD** Units: **mg/L** Analysis Date: **28-Jun-2023 16:47**
Client ID: **LHSMW06_060723** Run ID: **ICPMS06_440069** SeqNo: **7391184** PrepDate: **22-Jun-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04882	0.00500	0.05	0.000466	96.7	84 - 116	0.04958	1.54	20	

PDS Sample ID: **HS23060722-06PDS** Units: **mg/L** Analysis Date: **28-Jun-2023 16:49**
Client ID: **LHSMW06_060723** Run ID: **ICPMS06_440069** SeqNo: **7391185** PrepDate: **22-Jun-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.09754	0.00500	0.1	0.000466	97.1	80 - 120				

SD Sample ID: **HS23060722-06SD** Units: **mg/L** Analysis Date: **28-Jun-2023 16:43**
Client ID: **LHSMW06_060723** Run ID: **ICPMS06_440069** SeqNo: **7391182** PrepDate: **22-Jun-2023** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	0.00625	0.0250					0.000466	0	10	U

The following samples were analyzed in this batch: HS23060722-06 HS23060722-07

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060722

QC BATCH REPORT

Batch ID: R439205 (0) **Instrument:** VOA6 **Method:** VOLATILES ORGANICS BY METHOD 8260C

MBLK Sample ID: **VBLKW-230617** Units: **ug/L** Analysis Date: **17-Jun-2023 13:23**
Client ID: Run ID: **VOA6_439205** SeqNo: **7369574** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0.50	1.0								U
1,1,1-Trichloroethane	0.50	1.0								U
1,1,2,2-Tetrachloroethane	0.50	1.0								U
1,1,2-Trichloroethane	0.50	1.0								U
1,1-Dichloroethane	0.50	1.0								U
1,1-Dichloroethene	0.50	1.0								U
1,1-Dichloropropene	0.50	1.0								U
1,2,3-Trichlorobenzene	0.50	1.0								U
1,2,3-Trichloropropane	0.50	1.0								U
1,2,4-Trichlorobenzene	0.50	1.0								U
1,2,4-Trimethylbenzene	0.50	1.0								U
1,2-Dibromo-3-chloropropane	0.50	1.0								U
1,2-Dibromoethane	0.50	1.0								U
1,2-Dichlorobenzene	0.50	1.0								U
1,2-Dichloroethane	0.50	1.0								U
1,2-Dichloropropane	0.50	1.0								U
1,3,5-Trimethylbenzene	0.50	1.0								U
1,3-Dichlorobenzene	0.50	1.0								U
1,3-Dichloropropane	0.50	1.0								U
1,4-Dichlorobenzene	0.50	1.0								U
2,2-Dichloropropane	0.50	1.0								U
2-Butanone	0.50	2.0								U
2-Chlorotoluene	0.50	1.0								U
2-Hexanone	0.50	2.0								U
4-Chlorotoluene	0.50	1.0								U
4-Isopropyltoluene	0.50	1.0								U
4-Methyl-2-pentanone	0.50	2.0								U
Acetone	0.50	2.0								U
Benzene	0.50	1.0								U
Bromobenzene	0.50	1.0								U
Bromochloromethane	0.50	1.0								U
Bromodichloromethane	0.50	1.0								U
Bromoform	0.50	1.0								U
Bromomethane	0.50	1.0								U

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060722

QC BATCH REPORT

Batch ID: R439205 (0) **Instrument:** VOA6 **Method:** VOLATILES ORGANICS BY METHOD 8260C

MBLK Sample ID: **VBLKW-230617** Units: **ug/L** Analysis Date: **17-Jun-2023 13:23**
Client ID: Run ID: **VOA6_439205** SeqNo: **7369574** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Carbon disulfide	0.50	2.0								U
Carbon tetrachloride	0.50	1.0								U
Chlorobenzene	0.50	1.0								U
Chloroethane	0.50	1.0								U
Chloroform	0.50	1.0								U
Chloromethane	0.50	1.0								U
cis-1,2-Dichloroethene	0.50	1.0								U
cis-1,3-Dichloropropene	0.50	1.0								U
Dibromochloromethane	0.50	1.0								U
Dibromomethane	0.50	1.0								U
Dichlorodifluoromethane	0.50	1.0								U
Ethylbenzene	0.50	1.0								U
Hexachlorobutadiene	0.50	1.0								U
Isopropylbenzene	0.50	1.0								U
m,p-Xylene	1.0	2.0								U
Methylene chloride	0.50	2.0								U
Naphthalene	0.50	1.0								U
n-Butylbenzene	0.50	1.0								U
n-Propylbenzene	0.50	1.0								U
o-Xylene	0.50	1.0								U
sec-Butylbenzene	0.50	1.0								U
Styrene	0.50	1.0								U
tert-Butylbenzene	0.50	1.0								U
Tetrachloroethene	0.50	1.0								U
Toluene	0.50	1.0								U
trans-1,2-Dichloroethene	0.50	1.0								U
trans-1,3-Dichloropropene	0.50	1.0								U
Trichloroethene	0.50	1.0								U
Trichlorofluoromethane	0.50	1.0								U
Vinyl chloride	0.50	1.0								U
Surr: 1,2-Dichloroethane-d4	*51.46*	*1.0*	*50*	*0*	*103*	*81 - 118*				
Surr: 4-Bromofluorobenzene	*48.92*	*1.0*	*50*	*0*	*97.8*	*85 - 114*				
Surr: Dibromofluoromethane	*50.82*	*1.0*	*50*	*0*	*102*	*80 - 119*				
Surr: Toluene-d8	*53.41*	*1.0*	*50*	*0*	*107*	*89 - 112*				

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060722

QC BATCH REPORT

Batch ID: R439205 (0) **Instrument:** VOA6 **Method:** VOLATILES ORGANICS BY METHOD 8260C

LCS Sample ID: **VLCSW-230617** Units: **ug/L** Analysis Date: **17-Jun-2023 12:40**
Client ID: Run ID: **VOA6_439205** SeqNo: **7369573** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	19.12	1.0	20	0	95.6	78 - 124				
1,1,1-Trichloroethane	19.15	1.0	20	0	95.7	74 - 131				
1,1,2,2-Tetrachloroethane	18.86	1.0	20	0	94.3	71 - 121				
1,1,2-Trichloroethane	19.18	1.0	20	0	95.9	80 - 119				
1,1-Dichloroethane	19.68	1.0	20	0	98.4	77 - 125				
1,1-Dichloroethene	18.91	1.0	20	0	94.6	71 - 131				
1,1-Dichloropropene	19.35	1.0	20	0	96.7	78 - 125				
1,2,3-Trichlorobenzene	19.91	1.0	20	0	99.6	69 - 129				
1,2,3-Trichloropropane	20.1	1.0	20	0	101	73 - 122				
1,2,4-Trichlorobenzene	19.27	1.0	20	0	96.3	69 - 130				
1,2,4-Trimethylbenzene	19.42	1.0	20	0	97.1	76 - 124				
1,2-Dibromo-3-chloropropane	20.01	1.0	20	0	100	62 - 128				
1,2-Dibromoethane	19.49	1.0	20	0	97.4	77 - 121				
1,2-Dichlorobenzene	19.13	1.0	20	0	95.6	80 - 119				
1,2-Dichloroethane	20.27	1.0	20	0	101	73 - 128				
1,2-Dichloropropane	19.87	1.0	20	0	99.3	78 - 122				
1,3,5-Trimethylbenzene	19.19	1.0	20	0	95.9	75 - 124				
1,3-Dichlorobenzene	18.98	1.0	20	0	94.9	80 - 119				
1,3-Dichloropropane	19.64	1.0	20	0	98.2	80 - 119				
1,4-Dichlorobenzene	18.82	1.0	20	0	94.1	79 - 118				
2,2-Dichloropropane	21.02	1.0	20	0	105	60 - 139				
2-Butanone	36.49	2.0	40	0	91.2	56 - 143				
2-Chlorotoluene	19.13	1.0	20	0	95.6	79 - 122				
2-Hexanone	41.8	2.0	40	0	105	57 - 139				
4-Chlorotoluene	19.81	1.0	20	0	99.0	78 - 122				
4-Isopropyltoluene	19.11	1.0	20	0	95.5	77 - 127				
4-Methyl-2-pentanone	39.82	2.0	40	0	99.6	67 - 130				
Acetone	36.87	2.0	40	0	92.2	39 - 160				
Benzene	19.05	1.0	20	0	95.3	79 - 120				
Bromobenzene	18.64	1.0	20	0	93.2	80 - 120				
Bromochloromethane	19.56	1.0	20	0	97.8	78 - 123				
Bromodichloromethane	19.21	1.0	20	0	96.1	79 - 125				
Bromoform	18.99	1.0	20	0	94.9	66 - 130				
Bromomethane	20.25	1.0	20	0	101	53 - 141				

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060722

QC BATCH REPORT

Batch ID: R439205 (0) **Instrument:** VOA6 **Method:** VOLATILES ORGANICS BY METHOD 8260C

LCS Sample ID: **VLCSW-230617** Units: **ug/L** Analysis Date: **17-Jun-2023 12:40**
Client ID: Run ID: **VOA6_439205** SeqNo: **7369573** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Carbon disulfide	37.45	2.0	40	0	93.6	64 - 133				
Carbon tetrachloride	18.74	1.0	20	0	93.7	72 - 136				
Chlorobenzene	19.48	1.0	20	0	97.4	82 - 118				
Chloroethane	20.93	1.0	20	0	105	60 - 138				
Chloroform	19.27	1.0	20	0	96.4	79 - 124				
Chloromethane	20.82	1.0	20	0	104	50 - 139				
cis-1,2-Dichloroethene	19.37	1.0	20	0	96.8	78 - 123				
cis-1,3-Dichloropropene	19.89	1.0	20	0	99.5	75 - 124				
Dibromochloromethane	19.35	1.0	20	0	96.8	74 - 126				
Dibromomethane	19.87	1.0	20	0	99.3	79 - 123				
Dichlorodifluoromethane	19.87	1.0	20	0	99.4	32 - 152				
Ethylbenzene	19.08	1.0	20	0	95.4	79 - 121				
Hexachlorobutadiene	18.29	1.0	20	0	91.5	66 - 134				
Isopropylbenzene	19.19	1.0	20	0	95.9	72 - 131				
m,p-Xylene	39.74	2.0	40	0	99.4	80 - 121				
Methylene chloride	19.29	2.0	20	0	96.4	74 - 124				
Naphthalene	19.76	1.0	20	0	98.8	61 - 128				
n-Butylbenzene	20.02	1.0	20	0	100	75 - 128				
n-Propylbenzene	19.5	1.0	20	0	97.5	76 - 126				
o-Xylene	19.28	1.0	20	0	96.4	78 - 122				
sec-Butylbenzene	18.75	1.0	20	0	93.7	77 - 126				
Styrene	19.92	1.0	20	0	99.6	78 - 123				
tert-Butylbenzene	18.77	1.0	20	0	93.9	78 - 124				
Tetrachloroethene	18.59	1.0	20	0	93.0	74 - 129				
Toluene	19.64	1.0	20	0	98.2	80 - 121				
trans-1,2-Dichloroethene	18.78	1.0	20	0	93.9	75 - 124				
trans-1,3-Dichloropropene	19.98	1.0	20	0	99.9	73 - 127				
Trichloroethene	18.91	1.0	20	0	94.6	79 - 123				
Trichlorofluoromethane	19.71	1.0	20	0	98.5	65 - 141				
Vinyl chloride	19.32	1.0	20	0	96.6	58 - 137				
Surr: 1,2-Dichloroethane-d4	*55.25*	*1.0*	*50*	*0*	*111*	*81 - 118*				
Surr: 4-Bromofluorobenzene	*52.77*	*1.0*	*50*	*0*	*106*	*85 - 114*				
Surr: Dibromofluoromethane	*54.46*	*1.0*	*50*	*0*	*109*	*80 - 119*				
Surr: Toluene-d8	*50.42*	*1.0*	*50*	*0*	*101*	*89 - 112*				

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060722

QC BATCH REPORT

Batch ID: R439205 (0) **Instrument:** VOA6 **Method:** VOLATILES ORGANICS BY METHOD 8260C

MS Sample ID: **HS23060722-05MS** Units: **ug/L** Analysis Date: **17-Jun-2023 14:26**
Client ID: **35AWW18_060723** Run ID: **VOA6_439205** SeqNo: **7369577** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	22.13	1.0	20	0	111	78 - 124				
1,1,1-Trichloroethane	21.53	1.0	20	0	108	74 - 131				
1,1,2,2-Tetrachloroethane	22.27	1.0	20	0	111	71 - 121				
1,1,2-Trichloroethane	22.32	1.0	20	0	112	80 - 119				
1,1-Dichloroethane	26.73	1.0	20	5.87	104	77 - 125				
1,1-Dichloroethene	50.29	1.0	20	28.53	109	71 - 131				
1,1-Dichloropropene	23.42	1.0	20	0	117	78 - 125				
1,2,3-Trichlorobenzene	22.81	1.0	20	0	114	69 - 129				
1,2,3-Trichloropropane	23.28	1.0	20	0	116	73 - 122				
1,2,4-Trichlorobenzene	23.53	1.0	20	0	118	69 - 130				
1,2,4-Trimethylbenzene	24.35	1.0	20	0	122	76 - 124				
1,2-Dibromo-3-chloropropane	23.23	1.0	20	0	116	62 - 128				
1,2-Dibromoethane	22.39	1.0	20	0	112	77 - 121				
1,2-Dichlorobenzene	23	1.0	20	0	115	80 - 119				
1,2-Dichloroethane	22.52	1.0	20	0	113	73 - 128				
1,2-Dichloropropane	21.79	1.0	20	0	109	78 - 122				
1,3,5-Trimethylbenzene	24.53	1.0	20	0	123	75 - 124				
1,3-Dichlorobenzene	23.44	1.0	20	0	117	80 - 119				
1,3-Dichloropropane	22.9	1.0	20	0	115	80 - 119				
1,4-Dichlorobenzene	22.91	1.0	20	0	115	79 - 118				
2,2-Dichloropropane	23.8	1.0	20	0	119	60 - 139				
2-Butanone	35.54	2.0	40	0	88.8	56 - 143				
2-Chlorotoluene	24.19	1.0	20	0	121	79 - 122				
2-Hexanone	47.34	2.0	40	0	118	57 - 139				
4-Chlorotoluene	24.54	1.0	20	0	123	78 - 122				S
4-Isopropyltoluene	25.14	1.0	20	0	126	77 - 127				
4-Methyl-2-pentanone	47.74	2.0	40	0	119	67 - 130				
Acetone	34.24	2.0	40	0	85.6	39 - 160				
Benzene	21.98	1.0	20	0	110	79 - 120				
Bromobenzene	22.55	1.0	20	0	113	80 - 120				
Bromochloromethane	19.53	1.0	20	0	97.7	78 - 123				
Bromodichloromethane	21.12	1.0	20	0	106	79 - 125				
Bromoform	21.24	1.0	20	0	106	66 - 130				
Bromomethane	20.15	1.0	20	0	101	53 - 141				

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060722

QC BATCH REPORT

Batch ID: R439205 (0) **Instrument:** VOA6 **Method:** VOLATILES ORGANICS BY METHOD 8260C

MS Sample ID: **HS23060722-05MS** Units: **ug/L** Analysis Date: **17-Jun-2023 14:26**
Client ID: **35AWW18_060723** Run ID: **VOA6_439205** SeqNo: **7369577** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Carbon disulfide	39.11	2.0	40	0	97.8	64 - 133				
Carbon tetrachloride	23.31	1.0	20	0	117	72 - 136				
Chlorobenzene	22.88	1.0	20	0	114	82 - 118				
Chloroethane	21.98	1.0	20	0	110	60 - 138				
Chloroform	20.12	1.0	20	0	101	79 - 124				
Chloromethane	21.19	1.0	20	0	106	50 - 139				
cis-1,2-Dichloroethene	20.78	1.0	20	0	104	78 - 123				
cis-1,3-Dichloropropene	21.58	1.0	20	0	108	75 - 124				
Dibromochloromethane	22.04	1.0	20	0	110	74 - 126				
Dibromomethane	21.53	1.0	20	0	108	79 - 123				
Dichlorodifluoromethane	21.09	1.0	20	0	105	32 - 152				
Ethylbenzene	23.49	1.0	20	0	117	79 - 121				
Hexachlorobutadiene	24.33	1.0	20	0	122	66 - 134				
Isopropylbenzene	24.24	1.0	20	0	121	72 - 131				
m,p-Xylene	47.9	2.0	40	0	120	80 - 121				
Methylene chloride	18.89	2.0	20	0	94.4	74 - 124				
Naphthalene	23.12	1.0	20	0	116	61 - 128				
n-Butylbenzene	26.53	1.0	20	0	133	75 - 128				S
n-Propylbenzene	25.61	1.0	20	0	128	76 - 126				S
o-Xylene	23.05	1.0	20	0	115	78 - 122				
sec-Butylbenzene	25.39	1.0	20	0	127	77 - 126				S
Styrene	23.01	1.0	20	0	115	78 - 123				
tert-Butylbenzene	24.95	1.0	20	0	125	78 - 124				S
Tetrachloroethene	24.07	1.0	20	0	120	74 - 129				
Toluene	23.37	1.0	20	0	117	80 - 121				
trans-1,2-Dichloroethene	20.39	1.0	20	0	102	75 - 124				
trans-1,3-Dichloropropene	21.94	1.0	20	0	110	73 - 127				
Trichloroethene	22.02	1.0	20	0	110	79 - 123				
Trichlorofluoromethane	23.23	1.0	20	0	116	65 - 141				
Vinyl chloride	22	1.0	20	0	110	58 - 137				
Surr: 1,2-Dichloroethane-d4	*51.68*	*1.0*	*50*	*0*	*103*	*81 - 118*				
Surr: 4-Bromofluorobenzene	*48.96*	*1.0*	*50*	*0*	*97.9*	*85 - 114*				
Surr: Dibromofluoromethane	*49.14*	*1.0*	*50*	*0*	*98.3*	*80 - 119*				
Surr: Toluene-d8	*52.94*	*1.0*	*50*	*0*	*106*	*89 - 112*				

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060722

QC BATCH REPORT

Batch ID: R439205 (0) **Instrument:** VOA6 **Method:** VOLATILES ORGANICS BY METHOD 8260C

MSD Sample ID: **HS23060722-05MSD** Units: **ug/L** Analysis Date: **17-Jun-2023 14:47**
Client ID: **35AWW18_060723** Run ID: **VOA6_439205** SeqNo: **7369578** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	21.8	1.0	20	0	109	78 - 124	22.13	1.51	20	
1,1,1-Trichloroethane	21.66	1.0	20	0	108	74 - 131	21.53	0.593	20	
1,1,2,2-Tetrachloroethane	22.9	1.0	20	0	114	71 - 121	22.27	2.78	20	
1,1,2-Trichloroethane	22.11	1.0	20	0	111	80 - 119	22.32	0.947	20	
1,1-Dichloroethane	26.49	1.0	20	5.87	103	77 - 125	26.73	0.923	20	
1,1-Dichloroethene	47.7	1.0	20	28.53	95.9	71 - 131	50.29	5.27	20	
1,1-Dichloropropene	22.72	1.0	20	0	114	78 - 125	23.42	3.01	20	
1,2,3-Trichlorobenzene	23.72	1.0	20	0	119	69 - 129	22.81	3.91	20	
1,2,3-Trichloropropane	25.69	1.0	20	0	128	73 - 122	23.28	9.83	20	S
1,2,4-Trichlorobenzene	23.43	1.0	20	0	117	69 - 130	23.53	0.446	20	
1,2,4-Trimethylbenzene	24.1	1.0	20	0	121	76 - 124	24.35	1.01	20	
1,2-Dibromo-3-chloropropane	23.35	1.0	20	0	117	62 - 128	23.23	0.524	20	
1,2-Dibromoethane	22.47	1.0	20	0	112	77 - 121	22.39	0.383	20	
1,2-Dichlorobenzene	23.24	1.0	20	0	116	80 - 119	23	1.04	20	
1,2-Dichloroethane	22.37	1.0	20	0	112	73 - 128	22.52	0.668	20	
1,2-Dichloropropane	21.88	1.0	20	0	109	78 - 122	21.79	0.413	20	
1,3,5-Trimethylbenzene	24.64	1.0	20	0	123	75 - 124	24.53	0.448	20	
1,3-Dichlorobenzene	23.09	1.0	20	0	115	80 - 119	23.44	1.49	20	
1,3-Dichloropropane	22.86	1.0	20	0	114	80 - 119	22.9	0.179	20	
1,4-Dichlorobenzene	22.58	1.0	20	0	113	79 - 118	22.91	1.45	20	
2,2-Dichloropropane	23.33	1.0	20	0	117	60 - 139	23.8	1.99	20	
2-Butanone	40.91	2.0	40	0	102	56 - 143	35.54	14	20	
2-Chlorotoluene	23.72	1.0	20	0	119	79 - 122	24.19	1.96	20	
2-Hexanone	48.78	2.0	40	0	122	57 - 139	47.34	3.01	20	
4-Chlorotoluene	24.53	1.0	20	0	123	78 - 122	24.54	0.0422	20	S
4-Isopropyltoluene	24.91	1.0	20	0	125	77 - 127	25.14	0.914	20	
4-Methyl-2-pentanone	48.23	2.0	40	0	121	67 - 130	47.74	1.03	20	
Acetone	35.79	2.0	40	0	89.5	39 - 160	34.24	4.43	20	
Benzene	21.51	1.0	20	0	108	79 - 120	21.98	2.2	20	
Bromobenzene	22.93	1.0	20	0	115	80 - 120	22.55	1.67	20	
Bromochloromethane	19.88	1.0	20	0	99.4	78 - 123	19.53	1.78	20	
Bromodichloromethane	20.95	1.0	20	0	105	79 - 125	21.12	0.827	20	
Bromoform	21.85	1.0	20	0	109	66 - 130	21.24	2.84	20	
Bromomethane	20.23	1.0	20	0	101	53 - 141	20.15	0.366	20	

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060722

QC BATCH REPORT

Batch ID: R439205 (0) **Instrument:** VOA6 **Method:** VOLATILES ORGANICS BY METHOD 8260C

MSD Sample ID: **HS23060722-05MSD** Units: **ug/L** Analysis Date: **17-Jun-2023 14:47**
Client ID: **35AWW18_060723** Run ID: **VOA6_439205** SeqNo: **7369578** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Carbon disulfide	38.18	2.0	40	0	95.4	64 - 133	39.11	2.42	20	
Carbon tetrachloride	22.81	1.0	20	0	114	72 - 136	23.31	2.15	20	
Chlorobenzene	22.33	1.0	20	0	112	82 - 118	22.88	2.43	20	
Chloroethane	21.24	1.0	20	0	106	60 - 138	21.98	3.45	20	
Chloroform	20.03	1.0	20	0	100	79 - 124	20.12	0.453	20	
Chloromethane	21.29	1.0	20	0	106	50 - 139	21.19	0.467	20	
cis-1,2-Dichloroethene	20.67	1.0	20	0	103	78 - 123	20.78	0.519	20	
cis-1,3-Dichloropropene	21.74	1.0	20	0	109	75 - 124	21.58	0.717	20	
Dibromochloromethane	22.03	1.0	20	0	110	74 - 126	22.04	0.0225	20	
Dibromomethane	21.93	1.0	20	0	110	79 - 123	21.53	1.83	20	
Dichlorodifluoromethane	20.93	1.0	20	0	105	32 - 152	21.09	0.772	20	
Ethylbenzene	22.84	1.0	20	0	114	79 - 121	23.49	2.78	20	
Hexachlorobutadiene	24.31	1.0	20	0	122	66 - 134	24.33	0.0778	20	
Isopropylbenzene	23.72	1.0	20	0	119	72 - 131	24.24	2.14	20	
m,p-Xylene	47.36	2.0	40	0	118	80 - 121	47.9	1.13	20	
Methylene chloride	19.15	2.0	20	0	95.8	74 - 124	18.89	1.4	20	
Naphthalene	24.24	1.0	20	0	121	61 - 128	23.12	4.71	20	
n-Butylbenzene	25.9	1.0	20	0	130	75 - 128	26.53	2.38	20	S
n-Propylbenzene	25.19	1.0	20	0	126	76 - 126	25.61	1.65	20	
o-Xylene	22.56	1.0	20	0	113	78 - 122	23.05	2.17	20	
sec-Butylbenzene	24.92	1.0	20	0	125	77 - 126	25.39	1.88	20	
Styrene	22.64	1.0	20	0	113	78 - 123	23.01	1.63	20	
tert-Butylbenzene	24.76	1.0	20	0	124	78 - 124	24.95	0.772	20	
Tetrachloroethene	23.47	1.0	20	0	117	74 - 129	24.07	2.54	20	
Toluene	22.98	1.0	20	0	115	80 - 121	23.37	1.7	20	
trans-1,2-Dichloroethene	20.82	1.0	20	0	104	75 - 124	20.39	2.09	20	
trans-1,3-Dichloropropene	21.46	1.0	20	0	107	73 - 127	21.94	2.24	20	
Trichloroethene	21.83	1.0	20	0	109	79 - 123	22.02	0.848	20	
Trichlorofluoromethane	22.26	1.0	20	0	111	65 - 141	23.23	4.27	20	
Vinyl chloride	21.4	1.0	20	0	107	58 - 137	22	2.74	20	
Surr: 1,2-Dichloroethane-d4	*50.7*	*1.0*	*50*	*0*	*101*	*81 - 118*	*51.68*	*1.92*	*20*	
Surr: 4-Bromofluorobenzene	*49.44*	*1.0*	*50*	*0*	*98.9*	*85 - 114*	*48.96*	*0.991*	*20*	
Surr: Dibromofluoromethane	*49.36*	*1.0*	*50*	*0*	*98.7*	*80 - 119*	*49.14*	*0.442*	*20*	
Surr: Toluene-d8	*52.32*	*1.0*	*50*	*0*	*105*	*89 - 112*	*52.94*	*1.17*	*20*	

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060722

QC BATCH REPORT

Batch ID: R439205 (0)	Instrument: VOA6	Method: VOLATILES ORGANICS BY METHOD 8260C

The following samples were analyzed in this batch:

HS23060722-01	HS23060722-02	HS23060722-03	HS23060722-04
HS23060722-05	HS23060722-06	HS23060722-07	HS23060722-08
HS23060722-09	HS23060722-10		

ALS Houston, US Date: 28-Jun-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: **HS23060722**

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

ALS Houston, US Date: 28-Jun-23

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-37	30-Jun-2023
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352; 2022-2023	31-Jul-2023
Louisiana	03087, 2022-2023	30-Jun-2023
Maryland	343, 2022-2023	30-Jun-2023
North Carolina	624-2023	31-Dec-2023
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932022-13	31-Jul-2023

ALS Houston, US Date: 28-Jun-23

Sample Receipt Checklist

Work Order ID: HS23060722 **Date/Time Received:** 13-Jun-2023 09:40

Client Name: Bhate Environmental **Received by:** Paresh M. Giga

Completed By: /S/ Malcolm Burleson (eSignature) 13-Jun-2023 14:40 (Date/Time) **Reviewed by:** (eSignature) (Date/Time)

Matrices: water Carrier name: FedEx

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 ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
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):	1.8uc 1.7c	ir31
Cooler(s)/Kit(s):	49797	
Date/Time sample(s) sent to storage:	06132023	

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: Sample in Cooler on ice and in walk-in Refrigerator
TB Not listed on COC

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

01225591

bhate ENVIRONMENTAL ASSOCIATES INCORPORATED

Page: ____ of ____

Project/Phase

No: JVPCIBH.0001

1608 13th Avenue South, Suite 300
Birmingham Alabama 35205

COC Number(1):

LIMS Number:

Chain of Custody and Analytical Request

Facility/Base I.D.: LHAAP

Project/Site Name: LHAAP / Site 58

Client Name:

Collected by: Scott Beesinger

Sample Analysis Requested (5) | Quality Assurance Samples (6)

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)	Number of containers	VOC	MEE	TOC	Carbon Dioxide	Anions	Arsenic					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
35AMW05_060723	07JUN2023	0720	-	N		WG	3	X													
35AMW15_060723	07JUN2023	0800	-	N		WG	3	X													
35AMW16_060723	07JUN2023	0840	-	N		WG	3	X													
35AMW17_060723	07JUN2023	0920	-	N		WG	3	X													
35AMW18_060723	07JUN2023	1000	-	N		WG	3	X													
35AMW18_060723_MS	07JUN2023	1000	-	MS		WG	3	X													
35AMW18_060723_MSD	07JUN2023	1000	-	SD		WG	3	X													
LHSMW06_060723	07JUN2023	1045	-	N		WG	4	X					X								
LHSMW06_060723_A	07JUN2023	1045	-	FD		WG	4	X					X								
35AMW24_060723	07JUN2023	1130	-	N		WG	3	X													
35AMW14_060723	07JUN2023	1140	-	N		WG	3	X													

COMMENTS: STANDARD TAT

Bhate Environmental Associates, Inc.
LHAAP-58
HS23060722

Custody Transfers Prior to Receipt by Laboratory

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1. S. T. Beesinger	6/7/23	1330	1.	06/8/23	09.40.
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 Stanniff Rd. Suite 210 Houston, TX 77099 (281) 530-5656

ATTN: Dana Wycasey 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

49797 18° ATSI CIR-01C

bhate

Page: ____ of ____

Project/Phase

No: JVPCIBH.0001

1608 13th Avenue South, Suite 300
Birmingham Alabama 35205

Chain of Custody and Analytical Request

COC Number(1):

LIMS Number: ____

Facility/Base I.D.: LHAAP

Project/Site Name: LHAAP / Site 58

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	MEE	TOC	Carbon Dioxide	Anions	Arsenic					Quality Assurance Samples (6): Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
TRIP BLANK	07 Jun 2023		-	TB		W	2	X													
			-																		
			-																		
			-																		
			-																		
			-																		
			-																		
			-																		
			-																		

COMMENTS: ____

Custody Transfers Prior to Receipt by Laboratory

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1. [signature]	6/7/23	1330	1.		
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 Stanciff Rd. Suite 210 Houston, TX 77099 (281) 530-5656

ATTN: Dane Wiesasy 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)

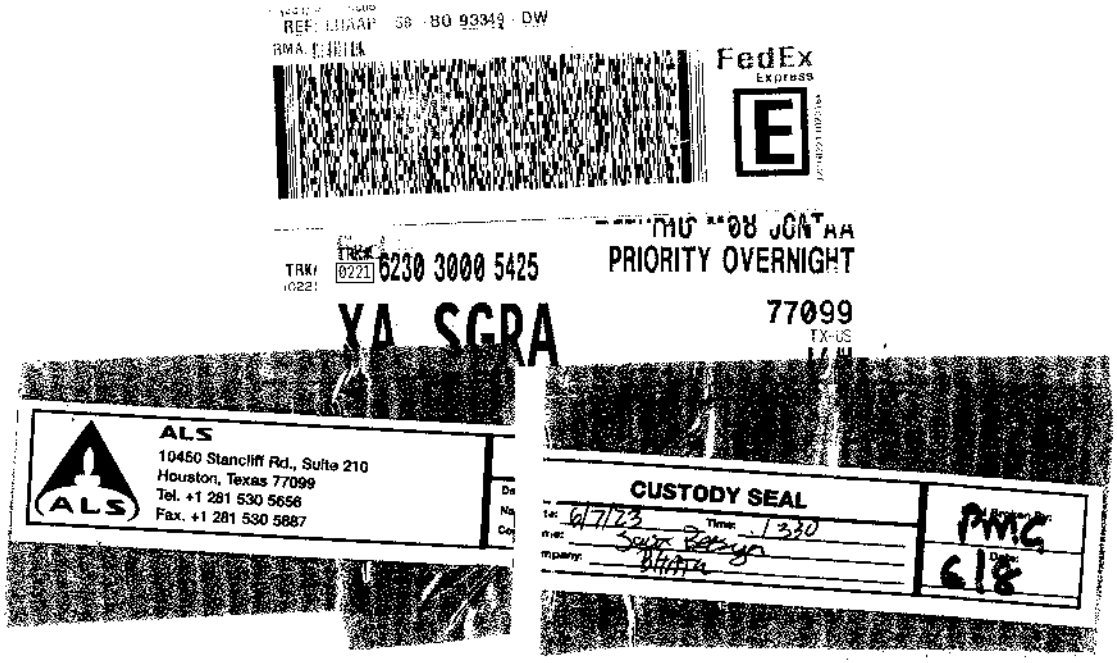
3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

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

ALS


FedEx
Express
PRIORITY OVERNIGHT
77099
TX-US
XA SGRA
6230 3000 5425
ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5687
CUSTODY SEAL
PMC
618

HS23060722-MSVOA-SW8260

ALS WO# HS23060722

01225595

right solutions.
right partner.

Form 1

Organic Analysis Data Sheet

Volatiles by EPA 8260

Workorder

HS23060722

Client

Bhate Environmental Associates, Inc.

Project

LHAAP-58

06/21/2023

ALS Environmental–Houston Laboratory

10450 Stancliff Road, Suite 210, Houston, TX 77099

Phone (281) 530-5656 Fax (281) 530-5887

www.alsglobal.com

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder **HS23060722**

Volatiles by EPA 8260

HS23060722-01	Collected	Received	Matrix	Basis
35AWW05_060723	06/07/23 07:20	06/13/23 09:40	Water	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
1,1,1-Trichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
1,1,2,2-Tetrachloroethane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
1,1,2-Trichloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
1,1-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
1,1-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
1,1-Dichloropropene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
1,2,3-Trichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
1,2,3-Trichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
1,2,4-Trichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
1,2,4-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
1,2-Dibromo-3-chloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
1,2-Dibromoethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
1,2-Dichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
1,2-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
1,2-Dichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
1,3,5-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
1,3-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
1,3-Dichloropropane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
1,4-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
2,2-Dichloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
2-Butanone	ug/L	2.0	U	0.50	2.0	2.0	1	06/17/23 15:50	VOA6_439205	X061714.D
2-Chlorotoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
2-Hexanone	ug/L	2.0	U	1.0	2.0	2.0	1	06/17/23 15:50	VOA6_439205	X061714.D
4-Chlorotoluene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
4-Isopropyltoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
4-Methyl-2-pentanone	ug/L	2.0	U	0.70	2.0	2.0	1	06/17/23 15:50	VOA6_439205	X061714.D
Acetone	ug/L	2.0	U	0.40	2.0	2.0	1	06/17/23 15:50	VOA6_439205	X061714.D
Benzene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
Bromobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
Bromochloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
Bromodichloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
Bromoform	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder **HS23060722**

Volatiles by EPA 8260

HS23060722-01	Collected	Received	Matrix	Basis
35AWW05_060723	06/07/23 07:20	06/13/23 09:40	Water	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Bromomethane	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
Carbon disulfide	ug/L	2.0	U	0.60	2.0	2.0	1	06/17/23 15:50	VOA6_439205	X061714.D
Carbon tetrachloride	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
Chlorobenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
Chloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
Chloroform	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
Chloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
cis-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
cis-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
Dibromochloromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
Dibromomethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
Dichlorodifluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
Ethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
Hexachlorobutadiene	ug/L	1.0	U	1.0	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
Isopropylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
m,p-Xylene	ug/L	2.0	U	0.50	2.0	2.0	1	06/17/23 15:50	VOA6_439205	X061714.D
Methylene chloride	ug/L	2.0	U	0.40	2.0	2.0	1	06/17/23 15:50	VOA6_439205	X061714.D
Naphthalene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
n-Butylbenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
n-Propylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
o-Xylene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
sec-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
Styrene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
tert-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
Tetrachloroethene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
Toluene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
trans-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
trans-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
Trichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
Trichlorofluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D
Vinyl chloride	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 15:50	VOA6_439205	X061714.D

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder **HS23060722**

Volatiles by EPA 8260

HS23060722-02	Collected	Received	Matrix	Basis
35AWW15_060723	06/07/23 08:00	06/13/23 09:40	Water	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
1,1,1-Trichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
1,1,2,2-Tetrachloroethane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
1,1,2-Trichloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
1,1-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
1,1-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
1,1-Dichloropropene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
1,2,3-Trichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
1,2,3-Trichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
1,2,4-Trichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
1,2,4-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
1,2-Dibromo-3-chloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
1,2-Dibromoethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
1,2-Dichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
1,2-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
1,2-Dichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
1,3,5-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
1,3-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
1,3-Dichloropropane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
1,4-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
2,2-Dichloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
2-Butanone	ug/L	2.0	U	0.50	2.0	2.0	1	06/17/23 16:11	VOA6_439205	X061715.D
2-Chlorotoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
2-Hexanone	ug/L	2.0	U	1.0	2.0	2.0	1	06/17/23 16:11	VOA6_439205	X061715.D
4-Chlorotoluene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
4-Isopropyltoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
4-Methyl-2-pentanone	ug/L	2.0	U	0.70	2.0	2.0	1	06/17/23 16:11	VOA6_439205	X061715.D
Acetone	ug/L	2.0	U	0.40	2.0	2.0	1	06/17/23 16:11	VOA6_439205	X061715.D
Benzene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
Bromobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
Bromochloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
Bromodichloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
Bromoform	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder **HS23060722**

Volatiles by EPA 8260

HS23060722-02	Collected	Received	Matrix	Basis
35AWW15_060723	06/07/23 08:00	06/13/23 09:40	Water	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Bromomethane	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
Carbon disulfide	ug/L	2.0	U	0.60	2.0	2.0	1	06/17/23 16:11	VOA6_439205	X061715.D
Carbon tetrachloride	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
Chlorobenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
Chloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
Chloroform	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
Chloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
cis-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
cis-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
Dibromochloromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
Dibromomethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
Dichlorodifluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
Ethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
Hexachlorobutadiene	ug/L	1.0	U	1.0	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
Isopropylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
m,p-Xylene	ug/L	2.0	U	0.50	2.0	2.0	1	06/17/23 16:11	VOA6_439205	X061715.D
Methylene chloride	ug/L	2.0	U	0.40	2.0	2.0	1	06/17/23 16:11	VOA6_439205	X061715.D
Naphthalene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
n-Butylbenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
n-Propylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
o-Xylene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
sec-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
Styrene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
tert-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
Tetrachloroethene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
Toluene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
trans-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
trans-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
Trichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
Trichlorofluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D
Vinyl chloride	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:11	VOA6_439205	X061715.D

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder **HS23060722**

Volatiles by EPA 8260

HS23060722-03

35AWW16_060723

Collected	Received	Matrix	Basis
06/07/23 08:40	06/13/23 09:40	Water	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
1,1,1-Trichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
1,1,2,2-Tetrachloroethane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
1,1,2-Trichloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
1,1-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
1,1-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
1,1-Dichloropropene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
1,2,3-Trichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
1,2,3-Trichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
1,2,4-Trichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
1,2,4-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
1,2-Dibromo-3-chloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
1,2-Dibromoethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
1,2-Dichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
1,2-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
1,2-Dichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
1,3,5-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
1,3-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
1,3-Dichloropropane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
1,4-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
2,2-Dichloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
2-Butanone	ug/L	2.0	U	0.50	2.0	2.0	1	06/17/23 16:32	VOA6_439205	X061716.D
2-Chlorotoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
2-Hexanone	ug/L	2.0	U	1.0	2.0	2.0	1	06/17/23 16:32	VOA6_439205	X061716.D
4-Chlorotoluene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
4-Isopropyltoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
4-Methyl-2-pentanone	ug/L	2.0	U	0.70	2.0	2.0	1	06/17/23 16:32	VOA6_439205	X061716.D
Acetone	ug/L	2.0	U	0.40	2.0	2.0	1	06/17/23 16:32	VOA6_439205	X061716.D
Benzene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
Bromobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
Bromochloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
Bromodichloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
Bromoform	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder **HS23060722**

Volatiles by EPA 8260

HS23060722-03	Collected	Received	Matrix	Basis
35AWW16_060723	06/07/23 08:40	06/13/23 09:40	Water	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Bromomethane	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
Carbon disulfide	ug/L	2.0	U	0.60	2.0	2.0	1	06/17/23 16:32	VOA6_439205	X061716.D
Carbon tetrachloride	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
Chlorobenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
Chloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
Chloroform	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
Chloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
cis-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
cis-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
Dibromochloromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
Dibromomethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
Dichlorodifluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
Ethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
Hexachlorobutadiene	ug/L	1.0	U	1.0	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
Isopropylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
m,p-Xylene	ug/L	2.0	U	0.50	2.0	2.0	1	06/17/23 16:32	VOA6_439205	X061716.D
Methylene chloride	ug/L	2.0	U	0.40	2.0	2.0	1	06/17/23 16:32	VOA6_439205	X061716.D
Naphthalene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
n-Butylbenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
n-Propylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
o-Xylene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
sec-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
Styrene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
tert-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
Tetrachloroethene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
Toluene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
trans-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
trans-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
Trichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
Trichlorofluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D
Vinyl chloride	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:32	VOA6_439205	X061716.D

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder **HS23060722**

Volatiles by EPA 8260

HS23060722-04	Collected	Received	Matrix	Basis
35AWW17_060723	06/07/23 09:20	06/13/23 09:40	Water	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
1,1,1-Trichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
1,1,2,2-Tetrachloroethane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
1,1,2-Trichloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
1,1-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
1,1-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
1,1-Dichloropropene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
1,2,3-Trichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
1,2,3-Trichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
1,2,4-Trichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
1,2,4-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
1,2-Dibromo-3-chloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
1,2-Dibromoethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
1,2-Dichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
1,2-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
1,2-Dichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
1,3,5-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
1,3-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
1,3-Dichloropropane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
1,4-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
2,2-Dichloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
2-Butanone	ug/L	2.0	U	0.50	2.0	2.0	1	06/17/23 16:53	VOA6_439205	X061717.D
2-Chlorotoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
2-Hexanone	ug/L	2.0	U	1.0	2.0	2.0	1	06/17/23 16:53	VOA6_439205	X061717.D
4-Chlorotoluene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
4-Isopropyltoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
4-Methyl-2-pentanone	ug/L	2.0	U	0.70	2.0	2.0	1	06/17/23 16:53	VOA6_439205	X061717.D
Acetone	ug/L	2.0	U	0.40	2.0	2.0	1	06/17/23 16:53	VOA6_439205	X061717.D
Benzene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
Bromobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
Bromochloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
Bromodichloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
Bromoform	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder **HS23060722**

Volatiles by EPA 8260

HS23060722-04

35AWW17_060723

Collected	Received	Matrix	Basis
06/07/23 09:20	06/13/23 09:40	Water	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Bromomethane	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
Carbon disulfide	ug/L	2.0	U	0.60	2.0	2.0	1	06/17/23 16:53	VOA6_439205	X061717.D
Carbon tetrachloride	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
Chlorobenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
Chloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
Chloroform	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
Chloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
cis-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
cis-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
Dibromochloromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
Dibromomethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
Dichlorodifluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
Ethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
Hexachlorobutadiene	ug/L	1.0	U	1.0	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
Isopropylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
m,p-Xylene	ug/L	2.0	U	0.50	2.0	2.0	1	06/17/23 16:53	VOA6_439205	X061717.D
Methylene chloride	ug/L	2.0	U	0.40	2.0	2.0	1	06/17/23 16:53	VOA6_439205	X061717.D
Naphthalene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
n-Butylbenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
n-Propylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
o-Xylene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
sec-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
Styrene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
tert-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
Tetrachloroethene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
Toluene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
trans-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
trans-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
Trichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
Trichlorofluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D
Vinyl chloride	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 16:53	VOA6_439205	X061717.D

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder **HS23060722**

Volatiles by EPA 8260

HS23060722-05

35AWW18_060723

Collected	Received	Matrix	Basis
06/07/23 10:00	06/13/23 09:40	Water	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
1,1,1-Trichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
1,1,2,2-Tetrachloroethane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
1,1,2-Trichloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
1,1-Dichloroethane	ug/L	5.9		0.20	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
1,1-Dichloroethene	ug/L	29		0.20	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
1,1-Dichloropropene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
1,2,3-Trichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
1,2,3-Trichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
1,2,4-Trichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
1,2,4-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
1,2-Dibromo-3-chloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
1,2-Dibromoethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
1,2-Dichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
1,2-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
1,2-Dichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
1,3,5-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
1,3-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
1,3-Dichloropropane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
1,4-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
2,2-Dichloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
2-Butanone	ug/L	2.0	U	0.50	2.0	2.0	1	06/17/23 14:05	VOA6_439205	X061709.D
2-Chlorotoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
2-Hexanone	ug/L	2.0	U	1.0	2.0	2.0	1	06/17/23 14:05	VOA6_439205	X061709.D
4-Chlorotoluene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
4-Isopropyltoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
4-Methyl-2-pentanone	ug/L	2.0	U	0.70	2.0	2.0	1	06/17/23 14:05	VOA6_439205	X061709.D
Acetone	ug/L	2.0	U	0.40	2.0	2.0	1	06/17/23 14:05	VOA6_439205	X061709.D
Benzene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
Bromobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
Bromochloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
Bromodichloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
Bromoform	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder **HS23060722**

Volatiles by EPA 8260

HS23060722-05

35AWW18_060723

Collected	Received	Matrix	Basis
06/07/23 10:00	06/13/23 09:40	Water	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Bromomethane	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
Carbon disulfide	ug/L	2.0	U	0.60	2.0	2.0	1	06/17/23 14:05	VOA6_439205	X061709.D
Carbon tetrachloride	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
Chlorobenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
Chloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
Chloroform	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
Chloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
cis-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
cis-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
Dibromochloromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
Dibromomethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
Dichlorodifluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
Ethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
Hexachlorobutadiene	ug/L	1.0	U	1.0	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
Isopropylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
m,p-Xylene	ug/L	2.0	U	0.50	2.0	2.0	1	06/17/23 14:05	VOA6_439205	X061709.D
Methylene chloride	ug/L	2.0	U	0.40	2.0	2.0	1	06/17/23 14:05	VOA6_439205	X061709.D
Naphthalene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
n-Butylbenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
n-Propylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
o-Xylene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
sec-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
Styrene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
tert-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
Tetrachloroethene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
Toluene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
trans-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
trans-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
Trichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
Trichlorofluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D
Vinyl chloride	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 14:05	VOA6_439205	X061709.D

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder **HS23060722**

Volatiles by EPA 8260

HS23060722-06 | **LHSMW06_060723**

Collected	Received	Matrix	Basis
06/07/23 10:45	06/13/23 09:40	Water	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
1,1,1-Trichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
1,1,2,2-Tetrachloroethane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
1,1,2-Trichloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
1,1-Dichloroethane	ug/L	8.2		0.20	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
1,1-Dichloroethene	ug/L	21		0.20	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
1,1-Dichloropropene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
1,2,3-Trichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
1,2,3-Trichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
1,2,4-Trichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
1,2,4-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
1,2-Dibromo-3-chloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
1,2-Dibromoethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
1,2-Dichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
1,2-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
1,2-Dichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
1,3,5-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
1,3-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
1,3-Dichloropropane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
1,4-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
2,2-Dichloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
2-Butanone	ug/L	2.0	U	0.50	2.0	2.0	1	06/17/23 17:14	VOA6_439205	X061718.D
2-Chlorotoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
2-Hexanone	ug/L	2.0	U	1.0	2.0	2.0	1	06/17/23 17:14	VOA6_439205	X061718.D
4-Chlorotoluene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
4-Isopropyltoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
4-Methyl-2-pentanone	ug/L	2.0	U	0.70	2.0	2.0	1	06/17/23 17:14	VOA6_439205	X061718.D
Acetone	ug/L	2.0	U	0.40	2.0	2.0	1	06/17/23 17:14	VOA6_439205	X061718.D
Benzene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
Bromobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
Bromochloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
Bromodichloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
Bromoform	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder **HS23060722**

Volatiles by EPA 8260

HS23060722-06	Collected	Received	Matrix	Basis
LHSMW06_060723	06/07/23 10:45	06/13/23 09:40	Water	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Bromomethane	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
Carbon disulfide	ug/L	2.0	U	0.60	2.0	2.0	1	06/17/23 17:14	VOA6_439205	X061718.D
Carbon tetrachloride	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
Chlorobenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
Chloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
Chloroform	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
Chloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
cis-1,2-Dichloroethene	ug/L	120		0.20	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
cis-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
Dibromochloromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
Dibromomethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
Dichlorodifluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
Ethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
Hexachlorobutadiene	ug/L	1.0	U	1.0	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
Isopropylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
m,p-Xylene	ug/L	2.0	U	0.50	2.0	2.0	1	06/17/23 17:14	VOA6_439205	X061718.D
Methylene chloride	ug/L	2.0	U	0.40	2.0	2.0	1	06/17/23 17:14	VOA6_439205	X061718.D
Naphthalene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
n-Butylbenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
n-Propylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
o-Xylene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
sec-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
Styrene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
tert-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
Tetrachloroethene	ug/L	3.1		0.30	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
Toluene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
trans-1,2-Dichloroethene	ug/L	2.2		0.20	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
trans-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
Trichloroethene	ug/L	21		0.20	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
Trichlorofluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D
Vinyl chloride	ug/L	6.6		0.20	1.0	1.0	1	06/17/23 17:14	VOA6_439205	X061718.D

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder **HS23060722**

Volatiles by EPA 8260

HS23060722-07	Collected	Received	Matrix	Basis
LHSMW06_060723.a	06/07/23 10:45	06/13/23 09:40	Water	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
1,1,1-Trichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
1,1,2,2-Tetrachloroethane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
1,1,2-Trichloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
1,1-Dichloroethane	ug/L	8.1		0.20	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
1,1-Dichloroethene	ug/L	21		0.20	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
1,1-Dichloropropene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
1,2,3-Trichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
1,2,3-Trichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
1,2,4-Trichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
1,2,4-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
1,2-Dibromo-3-chloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
1,2-Dibromoethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
1,2-Dichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
1,2-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
1,2-Dichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
1,3,5-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
1,3-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
1,3-Dichloropropane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
1,4-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
2,2-Dichloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
2-Butanone	ug/L	2.0	U	0.50	2.0	2.0	1	06/17/23 17:35	VOA6_439205	X061719.D
2-Chlorotoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
2-Hexanone	ug/L	2.0	U	1.0	2.0	2.0	1	06/17/23 17:35	VOA6_439205	X061719.D
4-Chlorotoluene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
4-Isopropyltoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
4-Methyl-2-pentanone	ug/L	2.0	U	0.70	2.0	2.0	1	06/17/23 17:35	VOA6_439205	X061719.D
Acetone	ug/L	2.0	U	0.40	2.0	2.0	1	06/17/23 17:35	VOA6_439205	X061719.D
Benzene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
Bromobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
Bromochloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
Bromodichloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
Bromoform	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder **HS23060722**

Volatiles by EPA 8260

HS23060722-07	Collected	Received	Matrix	Basis
LHSMW06_060723.a	06/07/23 10:45	06/13/23 09:40	Water	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Bromomethane	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
Carbon disulfide	ug/L	2.0	U	0.60	2.0	2.0	1	06/17/23 17:35	VOA6_439205	X061719.D
Carbon tetrachloride	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
Chlorobenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
Chloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
Chloroform	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
Chloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
cis-1,2-Dichloroethene	ug/L	120		0.20	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
cis-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
Dibromochloromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
Dibromomethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
Dichlorodifluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
Ethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
Hexachlorobutadiene	ug/L	1.0	U	1.0	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
Isopropylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
m,p-Xylene	ug/L	2.0	U	0.50	2.0	2.0	1	06/17/23 17:35	VOA6_439205	X061719.D
Methylene chloride	ug/L	2.0	U	0.40	2.0	2.0	1	06/17/23 17:35	VOA6_439205	X061719.D
Naphthalene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
n-Butylbenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
n-Propylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
o-Xylene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
sec-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
Styrene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
tert-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
Tetrachloroethene	ug/L	3.0		0.30	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
Toluene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
trans-1,2-Dichloroethene	ug/L	2.3		0.20	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
trans-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
Trichloroethene	ug/L	20		0.20	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
Trichlorofluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D
Vinyl chloride	ug/L	6.7		0.20	1.0	1.0	1	06/17/23 17:35	VOA6_439205	X061719.D

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder **HS23060722**

Volatiles by EPA 8260

HS23060722-08	Collected	Received	Matrix	Basis
35AWW24_060723	06/07/23 11:30	06/13/23 09:40	Water	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
1,1,1-Trichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
1,1,2,2-Tetrachloroethane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
1,1,2-Trichloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
1,1-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
1,1-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
1,1-Dichloropropene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
1,2,3-Trichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
1,2,3-Trichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
1,2,4-Trichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
1,2,4-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
1,2-Dibromo-3-chloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
1,2-Dibromoethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
1,2-Dichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
1,2-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
1,2-Dichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
1,3,5-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
1,3-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
1,3-Dichloropropane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
1,4-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
2,2-Dichloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
2-Butanone	ug/L	2.0	U	0.50	2.0	2.0	1	06/17/23 17:56	VOA6_439205	X061720.D
2-Chlorotoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
2-Hexanone	ug/L	2.0	U	1.0	2.0	2.0	1	06/17/23 17:56	VOA6_439205	X061720.D
4-Chlorotoluene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
4-Isopropyltoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
4-Methyl-2-pentanone	ug/L	2.0	U	0.70	2.0	2.0	1	06/17/23 17:56	VOA6_439205	X061720.D
Acetone	ug/L	2.0	U	0.40	2.0	2.0	1	06/17/23 17:56	VOA6_439205	X061720.D
Benzene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
Bromobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
Bromochloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
Bromodichloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
Bromoform	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder **HS23060722**

Volatiles by EPA 8260

HS23060722-08	Collected	Received	Matrix	Basis
35AWW24_060723	06/07/23 11:30	06/13/23 09:40	Water	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Bromomethane	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
Carbon disulfide	ug/L	2.0	U	0.60	2.0	2.0	1	06/17/23 17:56	VOA6_439205	X061720.D
Carbon tetrachloride	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
Chlorobenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
Chloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
Chloroform	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
Chloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
cis-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
cis-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
Dibromochloromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
Dibromomethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
Dichlorodifluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
Ethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
Hexachlorobutadiene	ug/L	1.0	U	1.0	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
Isopropylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
m,p-Xylene	ug/L	2.0	U	0.50	2.0	2.0	1	06/17/23 17:56	VOA6_439205	X061720.D
Methylene chloride	ug/L	2.0	U	0.40	2.0	2.0	1	06/17/23 17:56	VOA6_439205	X061720.D
Naphthalene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
n-Butylbenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
n-Propylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
o-Xylene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
sec-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
Styrene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
tert-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
Tetrachloroethene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
Toluene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
trans-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
trans-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
Trichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
Trichlorofluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D
Vinyl chloride	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 17:56	VOA6_439205	X061720.D

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder **HS23060722**

Volatiles by EPA 8260

HS23060722-09	Collected	Received	Matrix	Basis
35AWW14_060723	06/07/23 11:40	06/13/23 09:40	Water	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
1,1,1-Trichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
1,1,2,2-Tetrachloroethane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
1,1,2-Trichloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
1,1-Dichloroethane	ug/L	9.9		0.20	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
1,1-Dichloroethene	ug/L	9.3		0.20	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
1,1-Dichloropropene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
1,2,3-Trichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
1,2,3-Trichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
1,2,4-Trichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
1,2,4-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
1,2-Dibromo-3-chloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
1,2-Dibromoethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
1,2-Dichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
1,2-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
1,2-Dichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
1,3,5-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
1,3-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
1,3-Dichloropropane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
1,4-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
2,2-Dichloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
2-Butanone	ug/L	2.0	U	0.50	2.0	2.0	1	06/17/23 18:17	VOA6_439205	X061721.D
2-Chlorotoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
2-Hexanone	ug/L	2.0	U	1.0	2.0	2.0	1	06/17/23 18:17	VOA6_439205	X061721.D
4-Chlorotoluene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
4-Isopropyltoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
4-Methyl-2-pentanone	ug/L	2.0	U	0.70	2.0	2.0	1	06/17/23 18:17	VOA6_439205	X061721.D
Acetone	ug/L	7.3		0.40	2.0	2.0	1	06/17/23 18:17	VOA6_439205	X061721.D
Benzene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
Bromobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
Bromochloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
Bromodichloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
Bromoform	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder **HS23060722**

Volatiles by EPA 8260

HS23060722-09	Collected	Received	Matrix	Basis
35AWW14_060723	06/07/23 11:40	06/13/23 09:40	Water	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Bromomethane	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
Carbon disulfide	ug/L	2.0	U	0.60	2.0	2.0	1	06/17/23 18:17	VOA6_439205	X061721.D
Carbon tetrachloride	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
Chlorobenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
Chloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
Chloroform	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
Chloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
cis-1,2-Dichloroethene	ug/L	4.3		0.20	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
cis-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
Dibromochloromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
Dibromomethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
Dichlorodifluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
Ethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
Hexachlorobutadiene	ug/L	1.0	U	1.0	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
Isopropylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
m,p-Xylene	ug/L	2.0	U	0.50	2.0	2.0	1	06/17/23 18:17	VOA6_439205	X061721.D
Methylene chloride	ug/L	2.0	U	0.40	2.0	2.0	1	06/17/23 18:17	VOA6_439205	X061721.D
Naphthalene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
n-Butylbenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
n-Propylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
o-Xylene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
sec-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
Styrene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
tert-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
Tetrachloroethene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
Toluene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
trans-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
trans-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
Trichloroethene	ug/L	10		0.20	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
Trichlorofluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D
Vinyl chloride	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 18:17	VOA6_439205	X061721.D

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder **HS23060722**

Volatiles by EPA 8260

HS23060722-10

Trip Blank

Collected	Received	Matrix	Basis
06/07/23 00:00	06/13/23 09:40	Water	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
1,1,1-Trichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
1,1,2,2-Tetrachloroethane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
1,1,2-Trichloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
1,1-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
1,1-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
1,1-Dichloropropene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
1,2,3-Trichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
1,2,3-Trichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
1,2,4-Trichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
1,2,4-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
1,2-Dibromo-3-chloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
1,2-Dibromoethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
1,2-Dichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
1,2-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
1,2-Dichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
1,3,5-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
1,3-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
1,3-Dichloropropane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
1,4-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
2,2-Dichloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
2-Butanone	ug/L	2.0	U	0.50	2.0	2.0	1	06/17/23 13:44	VOA6_439205	X061708.D
2-Chlorotoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
2-Hexanone	ug/L	2.0	U	1.0	2.0	2.0	1	06/17/23 13:44	VOA6_439205	X061708.D
4-Chlorotoluene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
4-Isopropyltoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
4-Methyl-2-pentanone	ug/L	2.0	U	0.70	2.0	2.0	1	06/17/23 13:44	VOA6_439205	X061708.D
Acetone	ug/L	2.0	U	0.40	2.0	2.0	1	06/17/23 13:44	VOA6_439205	X061708.D
Benzene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
Bromobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
Bromochloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
Bromodichloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
Bromoform	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder **HS23060722**

Volatiles by EPA 8260

HS23060722-10

Trip Blank

Collected	Received	Matrix	Basis
06/07/23 00:00	06/13/23 09:40	Water	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Bromomethane	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
Carbon disulfide	ug/L	2.0	U	0.60	2.0	2.0	1	06/17/23 13:44	VOA6_439205	X061708.D
Carbon tetrachloride	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
Chlorobenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
Chloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
Chloroform	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
Chloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
cis-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
cis-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
Dibromochloromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
Dibromomethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
Dichlorodifluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
Ethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
Hexachlorobutadiene	ug/L	1.0	U	1.0	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
Isopropylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
m,p-Xylene	ug/L	2.0	U	0.50	2.0	2.0	1	06/17/23 13:44	VOA6_439205	X061708.D
Methylene chloride	ug/L	2.0	U	0.40	2.0	2.0	1	06/17/23 13:44	VOA6_439205	X061708.D
Naphthalene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
n-Butylbenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
n-Propylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
o-Xylene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
sec-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
Styrene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
tert-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
Tetrachloroethene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
Toluene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
trans-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
trans-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
Trichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
Trichlorofluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D
Vinyl chloride	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:44	VOA6_439205	X061708.D

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder **HS23060722**

Volatiles by EPA 8260

VBLKW-230617

VBLKW-230617

Collected	Received	Matrix	Basis
NA	NA	Aqueous	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
1,1,1-Trichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
1,1,2,2-Tetrachloroethane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
1,1,2-Trichloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
1,1-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
1,1-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
1,1-Dichloropropene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
1,2,3-Trichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
1,2,3-Trichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
1,2,4-Trichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
1,2,4-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
1,2-Dibromo-3-chloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
1,2-Dibromoethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
1,2-Dichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
1,2-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
1,2-Dichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
1,3,5-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
1,3-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
1,3-Dichloropropane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
1,4-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
2,2-Dichloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
2-Butanone	ug/L	2.0	U	0.50	2.0	2.0	1	06/17/23 13:23	VOA6_439205	X061707.D
2-Chlorotoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
2-Hexanone	ug/L	2.0	U	1.0	2.0	2.0	1	06/17/23 13:23	VOA6_439205	X061707.D
4-Chlorotoluene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
4-Isopropyltoluene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
4-Methyl-2-pentanone	ug/L	2.0	U	0.70	2.0	2.0	1	06/17/23 13:23	VOA6_439205	X061707.D
Acetone	ug/L	2.0	U	0.40	2.0	2.0	1	06/17/23 13:23	VOA6_439205	X061707.D
Benzene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
Bromobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
Bromochloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
Bromodichloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
Bromoform	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder **HS23060722**

Volatiles by EPA 8260

VBLKW-230617	Collected	Received	Matrix	Basis
VBLKW-230617	NA	NA	Aqueous	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Bromomethane	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
Carbon disulfide	ug/L	2.0	U	0.60	2.0	2.0	1	06/17/23 13:23	VOA6_439205	X061707.D
Carbon tetrachloride	ug/L	1.0	U	0.50	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
Chlorobenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
Chloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
Chloroform	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
Chloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
cis-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
cis-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
Dibromochloromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
Dibromomethane	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
Dichlorodifluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
Ethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
Hexachlorobutadiene	ug/L	1.0	U	1.0	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
Isopropylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
m,p-Xylene	ug/L	2.0	U	0.50	2.0	2.0	1	06/17/23 13:23	VOA6_439205	X061707.D
Methylene chloride	ug/L	2.0	U	0.40	2.0	2.0	1	06/17/23 13:23	VOA6_439205	X061707.D
Naphthalene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
n-Butylbenzene	ug/L	1.0	U	0.40	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
n-Propylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
o-Xylene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
sec-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
Styrene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
tert-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
Tetrachloroethene	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
Toluene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
trans-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
trans-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
Trichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
Trichlorofluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D
Vinyl chloride	ug/L	1.0	U	0.20	1.0	1.0	1	06/17/23 13:23	VOA6_439205	X061707.D

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Form 2

System Monitoring Compound Recovery

Volatiles by EPA 8260

Workorder

HS23060722

Client

Bhate Environmental Associates, Inc.

Project

LHAAP-58

06/21/2023

ALS Environmental–Houston Laboratory

10450 Stancliff Road, Suite 210, Houston, TX 77099

Phone (281) 530-5656 Fax (281) 530-5887

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Form 2 - System Monitoring Compound Recovery

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder HS23060722

RunID VOA6-439205

Volatiles by EPA 8260

CCB-CCB	Analyzed	Conc Units	Dilution
CCB	06/17/23	%REC	1

Surrogate	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	51.46	50	103		80-120
4-Bromofluorobenzene	47.18	50	94.4		80-120
Dibromofluoromethane	49.56	50	99.1		80-120
Toluene-d8	53.71	50	107		80-120

CCV-CCV	Analyzed	Conc Units	Dilution
CCV	06/17/23	%REC	1

Surrogate	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	54.16	50	108		80-120
4-Bromofluorobenzene	51.35	50	103		80-120
Dibromofluoromethane	52.33	50	105		80-120
Toluene-d8	48.34	50	96.7		80-120

HS23060722-01	Analyzed	Conc Units	Dilution
35AWW05_060723	06/17/23	%REC	1

Surrogate	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	52	50	104		81-118
4-Bromofluorobenzene	49	50	98.1		85-114
Dibromofluoromethane	50	50	100		80-119
Toluene-d8	53	50	106		89-112

Form 2 - System Monitoring Compound Recovery

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder HS23060722

RunID VOA6-439205

Volatiles by EPA 8260

HS23060722-02	Analyzed	Conc Units	Dilution
35AWW15_060723	06/17/23	%REC	1

Surrogate	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	53	50	105		81-118
4-Bromofluorobenzene	48	50	96.7		85-114
Dibromofluoromethane	50	50	100		80-119
Toluene-d8	53	50	107		89-112

HS23060722-03	Analyzed	Conc Units	Dilution
35AWW16_060723	06/17/23	%REC	1

Surrogate	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	53	50	106		81-118
4-Bromofluorobenzene	49	50	97.3		85-114
Dibromofluoromethane	50	50	101		80-119
Toluene-d8	53	50	107		89-112

HS23060722-04	Analyzed	Conc Units	Dilution
35AWW17_060723	06/17/23	%REC	1

Surrogate	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	54	50	108		81-118
4-Bromofluorobenzene	48	50	96.4		85-114
Dibromofluoromethane	51	50	102		80-119
Toluene-d8	53	50	107		89-112

Form 2 - System Monitoring Compound Recovery

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder HS23060722

RunID VOA6-439205

Volatiles by EPA 8260

HS23060722-05	Analyzed	Conc Units	Dilution
35AWW18_060723	06/17/23	%REC	1

Surrogate	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	52	50	104		81-118
4-Bromofluorobenzene	49	50	98.3		85-114
Dibromofluoromethane	50	50	101		80-119
Toluene-d8	53	50	106		89-112

HS23060722-05MS	Analyzed	Conc Units	Dilution
35AWW18_060723	06/17/23	%REC	1

Surrogate	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	51.68	50	103		81-118
4-Bromofluorobenzene	48.96	50	97.9		85-114
Dibromofluoromethane	49.14	50	98.3		80-119
Toluene-d8	52.94	50	106		89-112

HS23060722-05MSD	Analyzed	Conc Units	Dilution
35AWW18_060723	06/17/23	%REC	1

Surrogate	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	50.7	50	101		81-118
4-Bromofluorobenzene	49.44	50	98.9		85-114
Dibromofluoromethane	49.36	50	98.7		80-119
Toluene-d8	52.32	50	105		89-112

Form 2 - System Monitoring Compound Recovery

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder HS23060722

RunID VOA6-439205

Volatiles by EPA 8260

HS23060722-06	Analyzed	Conc Units	Dilution
LHSMW06_060723	06/17/23	%REC	1

Surrogate	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	52	50	105		81-118
4-Bromofluorobenzene	49	50	97.2		85-114
Dibromofluoromethane	50	50	99.9		80-119
Toluene-d8	53	50	106		89-112

HS23060722-07	Analyzed	Conc Units	Dilution
LHSMW06_060723.a	06/17/23	%REC	1

Surrogate	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	53	50	105		81-118
4-Bromofluorobenzene	48	50	96.5		85-114
Dibromofluoromethane	50	50	100		80-119
Toluene-d8	53	50	106		89-112

HS23060722-08	Analyzed	Conc Units	Dilution
35AWW24_060723	06/17/23	%REC	1

Surrogate	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	53	50	106		81-118
4-Bromofluorobenzene	49	50	98.2		85-114
Dibromofluoromethane	51	50	101		80-119
Toluene-d8	54	50	108		89-112

Form 2 - System Monitoring Compound Recovery

Client: Bhate Environmental Associates, Inc.

Project: LHAAP-58

Workorder: HS23060722

RunID: VOA6-439205

Volatiles by EPA 8260

HS23060722-09	Analyzed	Conc Units	Dilution
35AWW14_060723	06/17/23	%REC	1

Surrogate	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	52	50	105		81-118
4-Bromofluorobenzene	49	50	98.1		85-114
Dibromofluoromethane	50	50	101		80-119
Toluene-d8	53	50	106		89-112

HS23060722-10	Analyzed	Conc Units	Dilution
Trip Blank	06/17/23	%REC	1

Surrogate	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	52	50	105		81-118
4-Bromofluorobenzene	48	50	95.8		85-114
Dibromofluoromethane	50	50	100		80-119
Toluene-d8	53	50	107		89-112

VBLKW-230617	Analyzed	Conc Units	Dilution
VBLKW-230617	06/17/23	%REC	1

Surrogate	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	51.46	50	103		81-118
4-Bromofluorobenzene	48.92	50	97.8		85-114
Dibromofluoromethane	50.82	50	102		80-119
Toluene-d8	53.41	50	107		89-112

Form 2 - System Monitoring Compound Recovery

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder HS23060722

RunID VOA6-439205

Volatiles by EPA 8260

VLCSW-230617	Analyzed	Conc Units	Dilution
VLCSW-230617	06/17/23	%REC	1

Surrogate	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	55.25	50	111		81-118
4-Bromofluorobenzene	52.77	50	106		85-114
Dibromofluoromethane	54.46	50	109		80-119
Toluene-d8	50.42	50	101		89-112

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Form 3A

Matrix Spike/Spike Duplicate Recovery

Volatiles by EPA 8260

Workorder

HS23060722

Client

Bhate Environmental Associates, Inc.

Project

LHAAP-58

06/21/2023

ALS Environmental–Houston Laboratory

10450 Stancliff Road, Suite 210, Houston, TX 77099

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Form 3A - Matrix Spike/Spike Duplicate Recovery

Client: Bhate Environmental Associates, Inc.

Project: LHAAP-58

Workorder: HS23060722

RunID: VOA6-439205

Volatiles by EPA 8260

35AWW18_060723 (HS23060722-05)				HS23060722-05MS				HS23060722-05MSD						
Sample Matrix: Aqueous			Run Date	06/17/23				06/17/23						
Result Units: ug/L			Run Time	14:26				14:47						
			Data File	X061710.D				X061711.D						
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	22.13	20	111		21.8	20	109		20	1.51	
1,1,1-Trichloroethane	74-131	1	0	21.53	20	108		21.66	20	108		20	0.593	
1,1,2,2-Tetrachloroethane	71-121	1	0	22.27	20	111		22.9	20	114		20	2.78	
1,1,2-Trichloroethane	80-119	1	0	22.32	20	112		22.11	20	111		20	0.947	
1,1-Dichloroethane	77-125	1	5.87	26.73	20	104		26.49	20	103		20	0.923	
1,1-Dichloroethene	71-131	1	28.53	50.29	20	109		47.7	20	96		20	5.27	
1,1-Dichloropropene	78-125	1	0	23.42	20	117		22.72	20	114		20	3.01	
1,2,3-Trichlorobenzene	69-129	1	0	22.81	20	114		23.72	20	119		20	3.91	
1,2,3-Trichloropropane	73-122	1	0	23.28	20	116		25.69	20	128		20	9.83	
1,2,4-Trichlorobenzene	69-130	1	0	23.53	20	118		23.43	20	117		20	0.446	
1,2,4-Trimethylbenzene	76-124	1	0	24.35	20	122		24.1	20	121		20	1.01	
1,2-Dibromo-3-chloropropane	62-128	1	0	23.23	20	116		23.35	20	117		20	0.524	
1,2-Dibromoethane	77-121	1	0	22.39	20	112		22.47	20	112		20	0.383	
1,2-Dichlorobenzene	80-119	1	0	23	20	115		23.24	20	116		20	1.04	
1,2-Dichloroethane	73-128	1	0	22.52	20	113		22.37	20	112		20	0.668	
1,2-Dichloropropane	78-122	1	0	21.79	20	109		21.88	20	109		20	0.413	
1,3,5-Trimethylbenzene	75-124	1	0	24.53	20	123		24.64	20	123		20	0.448	
1,3-Dichlorobenzene	80-119	1	0	23.44	20	117		23.09	20	115		20	1.49	
1,3-Dichloropropane	80-119	1	0	22.9	20	115		22.86	20	114		20	0.179	
1,4-Dichlorobenzene	79-118	1	0	22.91	20	115		22.58	20	113		20	1.45	
2,2-Dichloropropane	60-139	1	0	23.8	20	119		23.33	20	117		20	1.99	
2-Butanone	56-143	1	0	35.54	40	89		40.91	40	102		20	14	
2-Chlorotoluene	79-122	1	0	24.19	20	121		23.72	20	119		20	1.96	
2-Hexanone	57-139	1	0	47.34	40	118		48.78	40	122		20	3.01	
4-Chlorotoluene	78-122	1	0	24.54	20	123		24.53	20	123		20	0.0422	
4-Isopropyltoluene	77-127	1	0	25.14	20	126		24.91	20	125		20	0.914	
4-Methyl-2-pentanone	67-130	1	0	47.74	40	119		48.23	40	121		20	1.03	
Acetone	39-160	1	0	34.24	40	86		35.79	40	90		20	4.43	
Benzene	79-120	1	0	21.98	20	110		21.51	20	108		20	2.2	
Bromobenzene	80-120	1	0	22.55	20	113		22.93	20	115		20	1.67	
Bromochloromethane	78-123	1	0	19.53	20	98		19.88	20	99		20	1.78	
Bromodichloromethane	79-125	1	0	21.12	20	106		20.95	20	105		20	0.827	
Bromoform	66-130	1	0	21.24	20	106		21.85	20	109		20	2.84	
Bromomethane	53-141	1	0	20.15	20	101		20.23	20	101		20	0.366	

Q - %Recovery / RPD Flag * - %Recovery / RPD Outside Limits OL - Outside Limits %R - %Recovery DF - Dilution Factor Amt - Amount (weight or volume)

Form 3A - Matrix Spike/Spike Duplicate Recovery

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060722

RunID
VOA6-439205

Volatiles by EPA 8260

35AWW18_060723 (HS23060722-05)				HS23060722-05MS				HS23060722-05MSD						
Sample Matrix: Aqueous			Run Date	06/17/23				06/17/23						
Result Units: ug/L			Run Time	14:26				14:47						
			Data File	X061710.D				X061711.D						
Analyte	%R Limits	DF	Sample Result	MS Result	Spike Added	%R	Q	MSD Result	Spike Added	%R	Q	RPD Limit	RPD	Q
Carbon disulfide	64-133	1	0	39.11	40	98		38.18	40	95		20	2.42	
Carbon tetrachloride	72-136	1	0	23.31	20	117		22.81	20	114		20	2.15	
Chlorobenzene	82-118	1	0	22.88	20	114		22.33	20	112		20	2.43	
Chloroethane	60-138	1	0	21.98	20	110		21.24	20	106		20	3.45	
Chloroform	79-124	1	0	20.12	20	101		20.03	20	100		20	0.453	
Chloromethane	50-139	1	0	21.19	20	106		21.29	20	106		20	0.467	
cis-1,2-Dichloroethene	78-123	1	0	20.78	20	104		20.67	20	103		20	0.519	
cis-1,3-Dichloropropene	75-124	1	0	21.58	20	108		21.74	20	109		20	0.717	
Dibromochloromethane	74-126	1	0	22.04	20	110		22.03	20	110		20	0.0225	
Dibromomethane	79-123	1	0	21.53	20	108		21.93	20	110		20	1.83	
Dichlorodifluoromethane	32-152	1	0	21.09	20	105		20.93	20	105		20	0.772	
Ethylbenzene	79-121	1	0	23.49	20	117		22.84	20	114		20	2.78	
Hexachlorobutadiene	66-134	1	0	24.33	20	122		24.31	20	122		20	0.0778	
Isopropylbenzene	72-131	1	0	24.24	20	121		23.72	20	119		20	2.14	
m,p-Xylene	80-121	1	0	47.9	40	120		47.36	40	118		20	1.13	
Methylene chloride	74-124	1	0	18.89	20	94		19.15	20	96		20	1.4	
Naphthalene	61-128	1	0	23.12	20	116		24.24	20	121		20	4.71	
n-Butylbenzene	75-128	1	0	26.53	20	133		25.9	20	130		20	2.38	
n-Propylbenzene	76-126	1	0	25.61	20	128		25.19	20	126		20	1.65	
o-Xylene	78-122	1	0	23.05	20	115		22.56	20	113		20	2.17	
sec-Butylbenzene	77-126	1	0	25.39	20	127		24.92	20	125		20	1.88	
Styrene	78-123	1	0	23.01	20	115		22.64	20	113		20	1.63	
tert-Butylbenzene	78-124	1	0	24.95	20	125		24.76	20	124		20	0.772	
Tetrachloroethene	74-129	1	0	24.07	20	120		23.47	20	117		20	2.54	
Toluene	80-121	1	0	23.37	20	117		22.98	20	115		20	1.7	
trans-1,2-Dichloroethene	75-124	1	0	20.39	20	102		20.82	20	104		20	2.09	
trans-1,3-Dichloropropene	73-127	1	0	21.94	20	110		21.46	20	107		20	2.24	
Trichloroethene	79-123	1	0	22.02	20	110		21.83	20	109		20	0.848	
Trichlorofluoromethane	65-141	1	0	23.23	20	116		22.26	20	111		20	4.27	
Vinyl chloride	58-137	1	0	22	20	110		21.4	20	107		20	2.74	

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 8260

Workorder

HS23060722

Client

Bhate Environmental Associates, Inc.

Project

LHAAP-58

06/21/2023

ALS Environmental–Houston Laboratory

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Form 3B - Laboratory Control Sample Recovery

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060722

SAMPLENUM
VLCSW-230617

Volatiles by EPA 8260

VOA6_439205			VLCSW-230617		
Spike Matrix	Aqueous	**Run Date**	06/17/23		
Result Units	ug/L	**Run Time**	12:40		
		Data File	X061705.D		

Analyte	%Recovery Limits	Spike Added	LCS Result	%R	Q
1,1,1,2-Tetrachloroethane	78-124	20	19.12	96	
1,1,1-Trichloroethane	74-131	20	19.15	96	
1,1,2,2-Tetrachloroethane	71-121	20	18.86	94	
1,1,2-Trichloroethane	80-119	20	19.18	96	
1,1-Dichloroethane	77-125	20	19.68	98	
1,1-Dichloroethene	71-131	20	18.91	95	
1,1-Dichloropropene	78-125	20	19.35	97	
1,2,3-Trichlorobenzene	69-129	20	19.91	100	
1,2,3-Trichloropropane	73-122	20	20.1	101	
1,2,4-Trichlorobenzene	69-130	20	19.27	96	
1,2,4-Trimethylbenzene	76-124	20	19.42	97	
1,2-Dibromo-3-chloropropane	62-128	20	20.01	100	
1,2-Dibromoethane	77-121	20	19.49	97	
1,2-Dichlorobenzene	80-119	20	19.13	96	
1,2-Dichloroethane	73-128	20	20.27	101	
1,2-Dichloropropane	78-122	20	19.87	99	
1,3,5-Trimethylbenzene	75-124	20	19.19	96	
1,3-Dichlorobenzene	80-119	20	18.98	95	
1,3-Dichloropropane	80-119	20	19.64	98	
1,4-Dichlorobenzene	79-118	20	18.82	94	
2,2-Dichloropropane	60-139	20	21.02	105	
2-Butanone	56-143	40	36.49	91	
2-Chlorotoluene	79-122	20	19.13	96	
2-Hexanone	57-139	40	41.8	105	
4-Chlorotoluene	78-122	20	19.81	99	
4-Isopropyltoluene	77-127	20	19.11	96	
4-Methyl-2-pentanone	67-130	40	39.82	100	
Acetone	39-160	40	36.87	92	
Benzene	79-120	20	19.05	95	
Bromobenzene	80-120	20	18.64	93	
Bromochloromethane	78-123	20	19.56	98	
Bromodichloromethane	79-125	20	19.21	96	
Bromoform	66-130	20	18.99	95	
Bromomethane	53-141	20	20.25	101	

Q - %Recovery / RPD Flag * - %Recovery / RPD Outside Limits %R - %Recovery DF - Dilution Factor Amt - Amount (weight or volume)

Form 3B - Laboratory Control Sample Recovery

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060722

SAMPLENUM
VLCSW-230617

Volatiles by EPA 8260

VOA6_439205			VLCSW-230617			
Spike Matrix	Aqueous	**Run Date**	06/17/23			
Result Units	ug/L	**Run Time**	12:40			
		Data File	X061705.D			
Analyte	%Recovery Limits	Spike Added	LCS Result	%R	Q	
Carbon disulfide	64-133	40	37.45	94		
Carbon tetrachloride	72-136	20	18.74	94		
Chlorobenzene	82-118	20	19.48	97		
Chloroethane	60-138	20	20.93	105		
Chloroform	79-124	20	19.27	96		
Chloromethane	50-139	20	20.82	104		
cis-1,2-Dichloroethene	78-123	20	19.37	97		
cis-1,3-Dichloropropene	75-124	20	19.89	100		
Dibromochloromethane	74-126	20	19.35	97		
Dibromomethane	79-123	20	19.87	99		
Dichlorodifluoromethane	32-152	20	19.87	99		
Ethylbenzene	79-121	20	19.08	95		
Hexachlorobutadiene	66-134	20	18.29	92		
Isopropylbenzene	72-131	20	19.19	96		
m,p-Xylene	80-121	40	39.74	99		
Methylene chloride	74-124	20	19.29	96		
Naphthalene	61-128	20	19.76	99		
n-Butylbenzene	75-128	20	20.02	100		
n-Propylbenzene	76-126	20	19.5	98		
o-Xylene	78-122	20	19.28	96		
sec-Butylbenzene	77-126	20	18.75	94		
Styrene	78-123	20	19.92	100		
tert-Butylbenzene	78-124	20	18.77	94		
Tetrachloroethene	74-129	20	18.59	93		
Toluene	80-121	20	19.64	98		
trans-1,2-Dichloroethene	75-124	20	18.78	94		
trans-1,3-Dichloropropene	73-127	20	19.98	100		
Trichloroethene	79-123	20	18.91	95		
Trichlorofluoromethane	65-141	20	19.71	98		
Vinyl chloride	58-137	20	19.32	97		

Q - %Recovery / RPD Flag * - %Recovery / RPD Outside Limits %R - %Recovery DF - Dilution Factor Amt - Amount (weight or volume)

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Form 4

Method Blank Summary

Volatiles by EPA 8260

Workorder

HS23060722

Client

Bhate Environmental Associates, Inc.

Project

LHAAP-58

06/21/2023

ALS Environmental–Houston Laboratory

10450 Stancliff Road, Suite 210, Houston, TX 77099

Phone (281) 530-5656 Fax (281) 530-5887

www.alsglobal.com

Form 4 - Method Blank Summary

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060722

Volatiles by EPA 8260

Client Sample ID	Type	Lab Sample ID	File ID	Date Analyzed	Run ID
METHOD BLANK	MBLK	VBLKW-230617	X061707.D	06/17/23 13:23	VOA6_439205
VLCSW-230617	LCS	VLCSW-230617	X061705.D	06/17/23 12:40	VOA6_439205
Trip Blank	SAMP	HS23060722-10	X061708.D	06/17/23 13:44	VOA6_439205
35AWW18_060723	SAMP	HS23060722-05	X061709.D	06/17/23 14:05	VOA6_439205
35AWW18_060723	MS	HS23060722-05MS	X061710.D	06/17/23 14:26	VOA6_439205
35AWW18_060723	MSD	HS23060722-05MSD	X061711.D	06/17/23 14:47	VOA6_439205
35AWW05_060723	SAMP	HS23060722-01	X061714.D	06/17/23 15:50	VOA6_439205
35AWW15_060723	SAMP	HS23060722-02	X061715.D	06/17/23 16:11	VOA6_439205
35AWW16_060723	SAMP	HS23060722-03	X061716.D	06/17/23 16:32	VOA6_439205
35AWW17_060723	SAMP	HS23060722-04	X061717.D	06/17/23 16:53	VOA6_439205
LHSMW06_060723	SAMP	HS23060722-06	X061718.D	06/17/23 17:14	VOA6_439205
LHSMW06_060723.a	SAMP	HS23060722-07	X061719.D	06/17/23 17:35	VOA6_439205
35AWW24_060723	SAMP	HS23060722-08	X061720.D	06/17/23 17:56	VOA6_439205
35AWW14_060723	SAMP	HS23060722-09	X061721.D	06/17/23 18:17	VOA6_439205

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Form 5

Instrument Performance Check

Volatiles by EPA 8260

Workorder

HS23060722

Client

Bhate Environmental Associates, Inc.

Project

LHAAP-58

06/21/2023

ALS Environmental–Houston Laboratory

10450 Stancliff Road, Suite 210, Houston, TX 77099

Phone (281) 530-5656 Fax (281) 530-5887

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Form 5 - Instrument Performance Check

Client: Bhate Environmental Associates, Inc.

Project: LHAAP-58

Workorder: HS23060722

RunID: VOA6-438076

Volatiles by EPA 8260

Tune File: X061501.D 06/15/23 6/15/2023

This check applies to the following analyses

m / e	Ion Abundance Criterion	%RA
50	15.0 - 40.0% of mass 95	18.6 (18.6)
75	30.0 - 60.0% of mass 95	48.4 (48.4)
95	Base peak, 100% RA	100 (100)
96	5.0 - 9.0% of mass 95	7.1 (7.1)
173	Less than 2.0% of mass 174	0.6 (0.74) 1
174	50.0 - 120.0% of mass 95	78.8 (78.8)
175	4.0 - 9.0% of mass 174	6.3 (8.04) 1
176	93.0 - 101.0% of mass 174	78 (99.1) 1
177	5.0 - 9.0% of mass 176	5.8 (7.46) 2

%RA - Percent Relative Abundance

	Lab Samp ID	Type	Date Analyzed	Lab File ID	Sample ID
1	VSTD000.25	ICAL1	6/15/2023	X061502	VSTD000.25
2	VSTD000.5	ICAL2	6/15/2023	X061503	VSTD000.5
3	VSTD001	ICAL3	6/15/2023	X061504	VSTD001
4	VSTD002	ICAL4	6/15/2023	X061505	VSTD002
5	VSTD005	ICAL5	6/15/2023	X061506	VSTD005
6	VSTD020	ICAL6	6/15/2023	X061507	VSTD020
7	VSTD050	ICAL7	6/15/2023	X061508	VSTD050
8	VSTD100	ICAL8	6/15/2023	X061509	VSTD100
9	VSTD150	ICAL9	6/15/2023	X061510	VSTD150
10	VSTD200	ICAL	6/15/2023	X061511	VSTD200
11	CCV	ICV	6/15/2023	X061514	CCV

Form 5 - Instrument Performance Check

Client	Bhate Environmental Associates, Inc.	Workorder	
Project	LHAAP-58	**HS23060722**	

Volatiles by EPA 8260

RunID: VOA6-438076

Tune File	X061501.D	06/15/23 6/15/2023	This check applies to the following analyses

Form 5 - Instrument Performance Check

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060722

RunID
VOA6-439205

Volatiles by EPA 8260

Tune File X061701.D 06/17/23 6/17/2023

m / e	Ion Abundance Criterion	%RA
50	15.0 - 40.0% of mass 95	16 (16)
75	30.0 - 60.0% of mass 95	44.8 (44.8)
95	Base peak, 100% RA	100 (100)
96	5.0 - 9.0% of mass 95	7.2 (7.18)
173	Less than 2.0% of mass 174	0.5 (0.634) 1
174	50.0 - 120.0% of mass 95	81.9 (81.9)
175	4.0 - 9.0% of mass 174	5.9 (7.18) 1
176	93.0 - 101.0% of mass 174	78 (95.2) 1
177	5.0 - 9.0% of mass 176	5.6 (7.13) 2

%RA - Percent Relative Abundance

This check applies to the following analyses

	Lab Samp ID	Type	Date Analyzed	Lab File ID	Sample ID
1	CCV	CCV	6/17/2023	X061703	CCV
2	CCB	CCB	6/17/2023	X061704	CCB
3	VLCSW-	LCS	6/17/2023	X061705	VLCSW-230617
4	VBLKW-	MBLK	6/17/2023	X061707	VBLKW-230617
5	HS23060722-	SAMP	6/17/2023	X061708	Trip Blank
6	HS23060722-	SAMP	6/17/2023	X061709	35AWW18_060723
7	HS23060722-	MS	6/17/2023	X061710	HS23060722-05MS
8	HS23060722-	MSD	6/17/2023	X061711	HS23060722-05MSD
9	HS23060722-	SAMP	6/17/2023	X061714	35AWW05_060723
10	HS23060722-	SAMP	6/17/2023	X061715	35AWW15_060723
11	HS23060722-	SAMP	6/17/2023	X061716	35AWW16_060723
12	HS23060722-	SAMP	6/17/2023	X061717	35AWW17_060723
13	HS23060722-	SAMP	6/17/2023	X061718	LHSMW06_060723
14	HS23060722-	SAMP	6/17/2023	X061719	LHSMW06_060723.a
15	HS23060722-	SAMP	6/17/2023	X061720	35AWW24_060723
16	HS23060722-	SAMP	6/17/2023	X061721	35AWW14_060723
17	CCV-END	CCV_EN	6/17/2023	X061731	CCV-END

Form 5 - Instrument Performance Check

Client	Bhate Environmental Associates, Inc.	Workorder	
Project	LHAAP-58	**HS23060722**	

Volatiles by EPA 8260

RunID: VOA6-439205

Tune File	X061701.D	06/17/23 6/17/2023	This check applies to the following analyses

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Form 6

Initial Calibration Data

Volatiles by EPA 8260

Workorder

HS23060722

Client

Bhate Environmental Associates, Inc.

Project

LHAAP-58

06/21/2023

ALS Environmental–Houston Laboratory

10450 Stancliff Road, Suite 210, Houston, TX 77099

Phone (281) 530-5656 Fax (281) 530-5887

www.alsglobal.com

Initial Calibration Data

Client Bhate Environmental Associates, Inc.
Project LHAAP-58

Workorder HS23060722

RunID VOA6_438076

Volatiles by EPA 8260

Calibration Files

Level 1..target\chem\voa6.i\x230615.b\x061502.d **Level 5**..target\chem\voa6.i\x230615.b\x061506.d
Level 2..target\chem\voa6.i\x230615.b\x061503.d **Level 6**..target\chem\voa6.i\x230615.b\x061507.d
ICAL Start Date 15-JUN-2023 1115 **Level 3**..target\chem\voa6.i\x230615.b\x061504.d **Level 7**..target\chem\voa6.i\x230615.b\x061508.d **Level 9**..target\chem\voa6.i\x230615.b\x061510.d
ICAL End Date 15-JUN-2023 1445 **Level 4**..target\chem\voa6.i\x230615.b\x061505.d **Level 8**..target\chem\voa6.i\x230615.b\x061509.d **Level 10**target\chem\voa6.i\x230615.b\x061511.d

Compound	0.250 Level 1	0.500 Level 2	1.00 Level 3	2.00 Level 4	5.00 Level 5	20.00 Level 6	Curve	b	m1	m2	%RSD or R2	Q
Dichlorodifluoromethane	NE 197396	2615 431897	4505 640204	9827 870731	21019	86585	LINR	0.00663	0.43345		0.99964	
Chloromethane	NE 241131	3301 524590	5922 786709	11295 1090387	25651	97329	LINR	0.02054	0.53963		0.99929	
Propionitrile	NE 0.06176	0.05455 0.06051	0.06270 0.06246	0.05541 0.06236	0.06089	0.06358	AVRG		0.06047		5.37976	
Vinyl Chloride	NE 0.48769	0.60687 0.50556	0.54795 0.50115	0.57402 0.50335	0.48951	0.50986	AVRG		0.52511		7.94630	
Bromomethane	NE 0.27989	0.33537 0.29094	0.33175 0.29103	0.32542 0.28060	0.29769	0.28007	AVRG		0.30142		7.63157	
Chloroethane	NE 0.30426	0.37220 0.30884	0.33836 0.30484	0.32964 0.29773	0.31503	0.31792	AVRG		0.32098		7.20024	
Trichlorofluoromethane	NE 0.55345	0.70569 0.60431	0.65920 0.60479	0.69163 0.60887	0.58830	0.59980	AVRG		0.62401		8.07463	
Acrolein	NE 0.02794	0.03568 0.03158	0.02823 0.03279	0.02994 0.03252	0.03064	0.02991	AVRG		0.03103		7.82710	
Acetone	NE 120180	2789 254517	4663 376478	7818 532376	16276	54363	LINR	-0.00544	0.13002		0.99878	
1,1-Dichloroethene	NE 0.35517	0.45895 0.36783	0.44657 0.36468	0.41881 0.36713	0.37605	0.36786	AVRG		0.39145		10.02453	

NE - Not Evaluated, AVRG - Averaged, LINR - Linear Regression, WLIN - Weighted Linear, QUAD - Quadratic, * - Curve Fit Outside Limits

Initial Calibration Data

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder HS23060722

RunID VOA6_438076

Volatiles by EPA 8260

ICAL Start Date 15-JUN-2023 1115 **ICAL End Date** 15-JUN-2023 1445

Compound	50.00 Level 7 / 0.250 Level 1	100.00 Level 8 / 0.500 Level 2	150.00 Level 9 / 1.00 Level 3	200.00 Level 10 / 2.00 Level 4	5.00 Level 5	20.00 Level 6	Curve	b	m1	m2	%RSD or R2	Q
Isobutyl Alcohol	NE	0.05685	0.06692	0.06596	0.07003	0.06902						
	0.06440	0.06398	0.06447	0.06514			AVRG		0.06519		5.78524	
Acetonitrile	NE	0.04721	0.04408	0.05000	0.05074	0.04825						
	0.04861	0.04885	0.05012	0.04863			AVRG		0.04850		4.07759	
Allyl Chloride	NE	1.16902	1.04930	1.07830	1.11392	1.08331						
	1.08770	1.08886	1.11033	1.08781			AVRG		1.09651		3.00701	
Iodomethane	NE	2984	6227	14998	43988	223261						
	622671	1361652	1987305	2762966			QUAD	0.04643	1.52252	-0.01414	0.99955	
Acrylonitrile	NE	0.16498	0.14851	0.15637	0.15489	0.16196						
	0.15374	0.15959	0.16440	0.16394			AVRG		0.15871		3.58694	
Methylene Chloride	NE	0.65930	0.67977	0.52763	0.60779	0.53053						
	0.50432	0.49542	0.48937	0.48228			AVRG		0.55293		13.75211	
Methyl tert-butyl ether	NE	1.51541	1.35429	1.47005	1.37915	1.33784						
	1.31513	1.29341	1.32919	1.30180			AVRG		1.36625		5.64492	
Carbon Disulfide	NE	1.58729	1.49094	1.45947	1.31193	1.32063						
	1.27200	1.32682	1.37989	1.39563			AVRG		1.39384		7.29728	
trans-1,2-Dichloroethene	NE	0.54737	0.51101	0.49568	0.44892	0.44795						
	0.43392	0.44333	0.44594	0.44153			AVRG		0.46841		8.48506	
Vinyl Acetate	NE	1.14998	1.31997	1.13084	1.30406	1.36566						
	1.30590	1.23968	1.24313	1.19252			AVRG		1.25019		6.44761	
1,1-Dichloroethane	NE	0.96555	0.89576	0.89979	0.81735	0.82215						
	0.79188	0.80903	0.79801	0.79485			AVRG		0.84382		7.28399	
Chloroprene	NE	0.19494	0.15806	0.19402	0.16299	0.15462						
	0.14920	0.16266	0.15820	0.16101			AVRG		0.16619		9.98603	

NE - Not Evaluated, AVRG - Averaged, LINR - Linear Regression, WLIN - Weighted Linear, QUAD - Quadratic, * - Curve Fit Outside Limits

Initial Calibration Data

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder HS23060722

RunID VOA6_438076

Volatiles by EPA 8260

ICAL Start Date 15-JUN-2023 1115 **ICAL End Date** 15-JUN-2023 1445

Compound	50.00 Level 7 / 0.250 Level 1	100.00 Level 8 / 0.500 Level 2	150.00 Level 9 / 1.00 Level 3	200.00 Level 10 / 2.00 Level 4	5.00 Level 5	20.00 Level 6	Curve	b	m1	m2	%RSD or R2	Q
2-Butanone	NE	0.15780	0.15585	0.16329	0.13672	0.15713						
	0.16847	0.17739	0.17973	0.18455			AVRG		0.16455		9.02144	
Methacrylonitrile	NE	0.45084	0.47260	0.34475	0.41093	0.41229						
	0.41001	0.39816	0.40753	0.40591			AVRG		0.41256		8.55015	
2,2-Dichloropropane	NE	4078	7438	15188	33630	134641						
	313511	661036	998442	1330788			LINR	-0.00010	0.66582		0.99984	
cis-1,2-Dichloroethene	NE	0.63371	0.59203	0.54477	0.52201	0.52031						
	0.51032	0.51263	0.51321	0.51241			AVRG		0.54016		8.10440	
Chloroform	NE	1.06707	1.04857	1.00209	0.89839	0.85930						
	0.83554	0.82576	0.82364	0.81356			AVRG		0.90821		11.31143	
Bromochloromethane	NE	0.31540	0.32241	0.31702	0.28759	0.27231						
	0.26932	0.26813	0.27038	0.26796			AVRG		0.28784		8.22049	
1,1,1-Trichloroethane	NE	0.86069	0.78052	0.80161	0.68231	0.70420						
	0.65869	0.69751	0.70708	0.71389			AVRG		0.73406		8.94326	
1,1-Dichloropropene	NE	0.48495	0.39369	0.45740	0.41202	0.40033						
	0.38290	0.40900	0.41695	0.41345			AVRG		0.41897		7.68787	
1,2-Dichloroethane	NE	0.50041	0.44494	0.39189	0.41620	0.41114						
	0.40659	0.40754	0.41027	0.38937			AVRG		0.41982		8.13871	
Carbon Tetrachloride	NE	0.48305	0.40420	0.43692	0.38136	0.37897						
	0.35611	0.38889	0.39879	0.39810			AVRG		0.40293		9.22126	
Benzene	NE	1.43274	1.39866	1.32317	1.21650	1.23632						
	1.21772	1.25333	1.25530	1.24146			AVRG		1.28613		6.24204	
Trichloroethene	NE	0.38877	0.35052	0.38059	0.34683	0.34151						
	0.32967	0.34715	0.35260	0.35386			AVRG		0.35461		5.25026	

NE - Not Evaluated, AVRG - Averaged, LINR - Linear Regression, WLIN - Weighted Linear, QUAD - Quadratic, * - Curve Fit Outside Limits

Initial Calibration Data

Client Bhate Environmental Associates, Inc.
Project LHAAP-58

Workorder HS23060722

RunID VOA6_438076

Volatiles by EPA 8260

ICAL Start Date 15-JUN-2023 1115 **ICAL End Date** 15-JUN-2023 1445

Compound	50.00 Level 7 / 0.250 Level 1	100.00 Level 8 / 0.500 Level 2	150.00 Level 9 / 1.00 Level 3	200.00 Level 10 / 2.00 Level 4	5.00 Level 5	20.00 Level 6	Curve	b	m1	m2	%RSD or R2	Q
Bromodichloromethane	NE	0.51371	0.53585	0.45737	0.43564	0.43124						
	0.42719	0.43289	0.43326	0.42742			AVRG		0.45495		9.00412	
Methyl Methacrylate	NE	0.41027	0.40060	0.33936	0.36954	0.39466						
	0.38805	0.38979	0.39545	0.39592			AVRG		0.38707		5.41914	
2-Chloroethylvinyl ether	NE	0.10601	0.12371	0.12156	0.12156	0.13185						
	0.12791	0.12501	0.12617	0.12420			AVRG		0.12311		5.82358	
1,2-Dichloropropane	NE	0.37996	0.33362	0.33899	0.33720	0.33445						
	0.32863	0.33248	0.32951	0.32343			AVRG		0.33759		4.90636	
2-Nitropropane	NE	0.15541	0.12048	0.12260	0.13928	0.13451						
	0.13379	0.13164	0.13757	0.13758			AVRG		0.13476		7.53641	
Dibromomethane	NE	0.21555	0.23900	0.22439	0.21012	0.21202						
	0.20336	0.20193	0.20257	0.19834			AVRG		0.21192		6.13059	
4-Methyl-2-Pentanone	NE	0.30760	0.33367	0.33070	0.33715	0.34142						
	0.32212	0.31184	0.30831	0.31407			AVRG		0.32299		4.05223	
cis-1,3-Dichloropropene	NE	0.61626	0.56522	0.54409	0.54909	0.54586						
	0.54967	0.56034	0.56241	0.55560			AVRG		0.56095		3.93014	
Ethyl Methacrylate	NE	0.36463	0.39888	0.38425	0.38260	0.36686						
	0.31215	0.31567	0.34496	0.35543			AVRG		0.35838		8.34634	
Toluene	NE	1.68448	1.50279	1.56276	1.38239	1.41654						
	1.40762	1.42956	1.42094	1.40372			AVRG		1.46787		6.74844	
trans-1,3-Dichloropropene	NE	0.47369	0.51235	0.44699	0.44101	0.46631						
	0.46653	0.46660	0.47587	0.47465			AVRG		0.46933		4.30530	
2-Hexanone	NE	0.17351	0.21078	0.22169	0.22767	0.23709						
	0.21970	0.21503	0.21508	0.22116			AVRG		0.21575		8.17380	

NE - Not Evaluated, AVRG - Averaged, LINR - Linear Regression, WLIN - Weighted Linear, QUAD - Quadratic, * - Curve Fit Outside Limits

Initial Calibration Data

Client Bhate Environmental Associates, Inc.
Project LHAAP-58

Workorder HS23060722

RunID VOA6_438076

Volatiles by EPA 8260

ICAL Start Date 15-JUN-2023 1115 **ICAL End Date** 15-JUN-2023 1445

Compound	50.00 Level 7 0.250 Level 1	100.00 Level 8 0.500 Level 2	150.00 Level 9 1.00 Level 3	200.00 Level 10 2.00 Level 4	5.00 Level 5	20.00 Level 6	Curve	b	m1	m2	%RSD or R2	Q
1,1,2-Trichloroethane	NE 0.27350	0.32535 0.26982	0.29705 0.26865	0.30791 0.26434	0.28978	0.27731	AVRG		0.28597		7.23925	
1,3-Dichloropropane	NE 0.56370	0.64851 0.55661	0.60816 0.54916	0.57702 0.54626	0.57725	0.57717	AVRG		0.57821		5.59903	
Dibromochloromethane	NE 0.39440	0.45130 0.39633	0.42505 0.39869	0.41073 0.39759	0.37918	0.39427	AVRG		0.40528		5.26412	
Tetrachloroethene	NE 0.26936	0.33320 0.29091	0.30082 0.30122	0.33399 0.30164	0.29936	0.28615	AVRG		0.30185		6.87487	
1,2-Dibromoethane	NE 0.34611	0.42541 0.34375	0.40286 0.34624	0.36309 0.34502	0.36325	0.35394	AVRG		0.36552		7.95769	
1-Chlorohexane	NE 0.27058	0.31891 0.29451	0.30742 0.30497	0.33602 0.30108	0.30509	0.29798	AVRG		0.30406		5.82966	
Chlorobenzene	NE 0.95733	1.16599 0.96191	1.05258 0.96797	1.02315 0.96078	0.98663	0.96310	AVRG		1.00438		6.86694	
1,1,1,2-Tetrachloroethane	NE 0.35354	0.41610 0.36178	0.40706 0.36400	0.38381 0.36679	0.36058	0.35698	AVRG		0.37452		6.08083	
Ethylbenzene	NE 0.48268	0.58074 0.49951	0.54181 0.51159	0.54627 0.50660	0.49714	0.49091	AVRG		0.51747		6.19763	
m,p-Xylenes	NE 0.61776	0.69775 0.63064	0.60842 0.64151	0.65267 0.63784	0.63943	0.61731	AVRG		0.63815		4.13336	
o-Xylene	NE 0.60231	0.68793 0.61488	0.67177 0.61904	0.68201 0.62117	0.62191	0.60992	AVRG		0.63677		5.28356	
Styrene	NE 1.03828	1.11203 1.04302	1.06411 1.05857	1.03374 1.05409	1.01012	1.02585	AVRG		1.04887		2.76930	

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Initial Calibration Data

Client Bhate Environmental Associates, Inc.
Project LHAAP-58

Workorder HS23060722

RunID VOA6_438076

Volatiles by EPA 8260

ICAL Start Date 15-JUN-2023 1115 **ICAL End Date** 15-JUN-2023 1445

Compound	50.00 Level 7 / 0.250 Level 1	100.00 Level 8 / 0.500 Level 2	150.00 Level 9 / 1.00 Level 3	200.00 Level 10 / 2.00 Level 4	5.00 Level 5	20.00 Level 6	Curve	b	m1	m2	%RSD or R2	Q
Bromoform	NE	0.32157	0.28167	0.27167	0.26654	0.27431						
	0.27612	0.27809	0.28435	0.28854			AVRG		0.28254		5.68771	
Isopropylbenzene	NE	1.81086	1.55188	1.65791	1.51756	1.47991						
	1.45822	1.52966	1.58026	1.57911			AVRG		1.57393		6.78027	
1,1,2,2-Tetrachloroethane	NE	1.01343	1.04169	0.92927	0.90463	0.86384						
	0.80734	0.78646	0.78147	0.78458			AVRG		0.87919		11.37969	
1,2,3-Trichloropropane	NE	0.71376	0.64247	0.67579	0.64682	0.69393						
	0.58363	0.57749	0.56939	0.57068			AVRG		0.63044		8.99664	
trans-1,4-Dichloro-2-butene	NE	0.12188	0.12097	0.10883	0.11805	0.12477						
	0.12201	0.12421	0.12746	0.12711			AVRG		0.12170		4.66453	
n-Propylbenzene	NE	3.81139	3.04596	3.59078	3.20535	3.24000						
	3.06771	3.17546	3.24067	3.23495			AVRG		3.29025		7.59470	
Bromobenzene	NE	0.93832	0.84056	0.86168	0.80430	0.78514						
	0.76742	0.77052	0.78062	0.78584			AVRG		0.81493		6.90326	
1,3,5-Trimethylbenzene	NE	2.81070	2.39182	2.56909	2.31883	2.34509						
	2.24247	2.33416	2.36164	2.35482			AVRG		2.41429		7.14055	
2-Chlorotoluene	NE	2.37538	2.31498	2.30029	2.10665	2.02743						
	1.91381	1.91814	1.92712	1.92088			AVRG		2.08941		9.20889	
4-Chlorotoluene	NE	2.65754	2.26290	2.51579	2.31216	2.29693						
	2.20862	2.23079	2.24646	2.24423			AVRG		2.33060		6.55345	
tert-Butylbenzene	NE	2.31433	1.96015	2.20052	1.96704	1.95151						
	1.82457	1.93069	1.96746	1.98619			AVRG		2.01139		7.45137	
1,2,4-Trimethylbenzene	NE	2.82875	2.45476	2.51264	2.34854	2.38641						
	2.29724	2.35208	2.38166	2.36035			AVRG		2.43582		6.58075	

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sec-Butylbenzene	NE	3.32113	2.78825	3.00060	2.74806	2.69627						
	2.53422	2.75963	2.84355	2.83927			AVRG		2.83678		7.77278	
p-Isopropyltoluene	NE	2.76903	2.31617	2.63680	2.40779	2.41022						
	2.28631	2.49189	2.52839	2.50601			AVRG		2.48362		6.13282	
1,3-Dichlorobenzene	NE	1.65871	1.45865	1.47401	1.39591	1.40674						
	1.37542	1.42022	1.43696	1.43277			AVRG		1.45104		5.76143	
1,4-Dichlorobenzene	NE	1.76382	1.68376	1.67915	1.47899	1.49407						
	1.45636	1.48340	1.47244	1.46629			AVRG		1.55314		7.70609	
Benzyl Chloride	NE	0.91627	0.80528	0.71741	0.66903	0.79217						
	0.83370	0.87954	0.91703	0.90236			AVRG		0.82587		10.76194	
n-Butylbenzene	NE	2.22356	1.73994	2.12823	2.08088	2.11969						
	2.03494	2.21681	2.25668	2.23717			AVRG		2.11532		7.57840	
1,2-Dichlorobenzene	NE	1.64703	1.40433	1.51430	1.39669	1.40798						
	1.38424	1.40787	1.40761	1.38773			AVRG		1.43975		6.03897	
1,2-Dibromo-3-Chloropropane	NE	562	1184	2351	5689	22086						
	57289	117282	182534	252682			LINR	0.00523	0.14424		0.99979	
1,2,4-Trichlorobenzene	NE	1.03201	0.95053	0.92843	0.93678	1.00122						
	1.00852	1.05151	1.05450	1.05037			AVRG		1.00154		5.09180	
Hexachlorobutadiene	NE	0.45496	0.43499	0.47567	0.43999	0.40952						
	0.40176	0.46265	0.48062	0.48593			AVRG		0.44956		6.74761	
Naphthalene	NE	2.52164	1.98002	2.06297	2.15195	2.35762						
	2.30432	2.32026	2.30178	2.29116			AVRG		2.25463		7.26973	
1,2,3-Trichlorobenzene	NE	1.00600	0.82982	0.91549	0.87650	0.92316						
	0.91409	0.94320	0.94850	0.93747			AVRG		0.92158		5.30458	

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Ethyl Acetate	NE 0.48954	0.55715 0.45908	0.55803 0.45507	0.54813 0.45523	0.52955	0.53528	AVRG		0.50967		8.78368	
Methyl Acrylate	NE 0.42996	0.40444 0.42077	0.36366 0.43604	0.41022 0.42149	0.34054	0.41749	AVRG		0.40496		7.88415	
n-Butanol	NE 116028	934 246332	2023 401679	3179 566916	8163	42441	LINR	1.30216	0.01397		0.99668	
Ethyl Acrylate	NE 533003	4696 1125305	8042 1751972	14275 2344010	39998	144388	LINR	0.04728	1.18250		0.99891	
Cyclohexanone	NE 225144	2832 470281	5123 717000	11759 970775	24566	91911	LINR	-0.25984	0.02790		0.99996	
1,4-Dioxane	0.00564 0.00573	0.00561 0.00606	0.00675 0.00618	0.00622 0.00628	0.00612	0.00602	AVRG		0.00606		5.64821	
n-Hexane	NE 208750	2120 496122	4190 791040	10696 NE	23971	95375	QUAD	-0.00494	2.32300	-0.27911	0.99904	
Freon TF	NE 158688	2188 355059	3869 548562	8361 742502	18080	69934	QUAD	0.00021	2.93242	-0.16774	0.99957	
Methyl Acetate	NE 0.30048	0.31498 0.29215	0.31317 0.29784	0.26234 0.29548	0.27837	0.30868	AVRG		0.29595		5.72758	
Methylcyclohexane	NE 0.70648	0.63728 0.74078	0.62017 0.77029	0.69345 0.75370	0.69642	0.67070	AVRG		0.69881		7.28568	
Isopropyl alcohol	NE 0.02587	0.03027 0.02632	0.03392 0.02742	0.02884 0.02799	0.02722	0.02723	AVRG		0.02834		8.70660	
Amyl alcohol	NE 0.00950	0.00862 0.00970	0.00888 0.01042	0.00895 0.01061	0.00779	0.00937	AVRG		0.00932		9.45742	

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Compound	50.00 Level 7 0.250 Level 1	100.00 Level 8 0.500 Level 2	150.00 Level 9 1.00 Level 3	200.00 Level 10 2.00 Level 4	5.00 Level 5	20.00 Level 6	Curve	b	m1	m2	%RSD or R2	Q
Allyl alcohol	NE 208750	2756 496122	4190 791040	11222 NE	23971	95375	QUAD	-0.12571	46.53375	-5.61944	0.99904	
4-Methyl-2-pentanol	NE 0.06843	0.08471 0.06853	0.09038 0.07488	0.09393 0.07669	0.08353	0.07453	AVRG		0.07951		11.48326	
Tert-butyl alcohol	NE 0.04721	0.05620 0.04618	0.06105 0.04794	0.05158 0.04957	0.05225	0.05012	AVRG		0.05134		9.20429	
Diethyl ether	NE 0.30172	0.33100 0.30182	0.32986 0.30795	0.32506 0.29912	0.31304	0.30966	AVRG		0.31325		3.96667	
1,3-Butadiene	NE 0.38320	0.46769 0.40906	0.43786 0.40982	0.43128 0.40837	0.37829	0.40359	AVRG		0.41435		6.69422	
Cyclohexane	NE 0.55762	0.71131 0.62652	0.61554 0.64990	0.70135 0.66862	0.60145	0.60394	AVRG		0.63736		7.85586	
Tetrahydrofuran	NE 0.07355	0.07531 0.07188	0.07084 0.07229	0.07374 0.07204	0.06939	0.07678	AVRG		0.07287		3.09331	
alpha-Methylstyrene	NE 1.14972	1.32267 1.18100	1.09879 1.20081	1.15655 1.20136	1.15284	1.18162	AVRG		1.18282		5.17506	
Diisopropyl ether	NE 1.44796	1.70619 1.43897	1.46103 1.45103	1.46501 1.40305	1.45974	1.43875	AVRG		1.47464		6.02123	
Dichlorofluoromethane	NE 0.67939	0.84072 0.69933	0.68197 0.70668	0.80782 0.68931	0.69537	0.66668	AVRG		0.71858		8.57276	
Propylene oxide	NE 0.03660	NE 0.03513	0.05463 NE	0.05586 NE	0.04243	0.04133	AVRG		0.04433		20.07401	*
3-Methyl-1-butanol	NE 125842	1270 266062	2518 427718	3850 594725	10033	52635	LINR	0.70832	0.00998		0.99878	

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Compound	0.250 Level 1	0.500 Level 2	1.00 Level 3	2.00 Level 4	5.00 Level 5	20.00 Level 6	Curve	b	m1	m2	%RSD or R2	Q
	50.00 Level 7	100.00 Level 8	150.00 Level 9	200.00 Level 10								
Butyl acrylate	NE	1843	6899	19207	48821	203667						
	512904	1042036	1639896	2199388			LINR	0.01097	0.74717		0.99973	
Butyl methacrylate	NE	0.82471	0.80995	0.85924	0.86805	0.89548						
	0.88124	0.81967	0.82765	0.78273			AVRG		0.84097		4.39110	
Dicyclopentadiene	NE	3.29432	2.78520	2.95593	2.95812	2.68736						
	2.64890	2.62708	2.65197	2.55993			AVRG		2.79653		8.37421	
1,2,3-Trimethylbenzene	NE	2.43219	2.33843	2.47839	2.37922	2.31576						
	2.35164	2.38718	2.38987	2.31737			AVRG		2.37667		2.25782	
Ethanol	NE	0.00512	0.00500	0.00594	0.00529	0.00474						
	0.00428	0.00425	0.00428	0.00411			AVRG		0.00478		12.83125	
tert-Butyl formate	NE	0.39279	0.45974	0.42517	0.42867	0.40731						
	0.38030	0.38170	0.40182	0.42845			AVRG		0.41177		6.32007	
3,3-Dimethyl-1-butanol	NE	0.04577	0.04419	0.04692	0.04271	0.04048						
	0.03530	0.03571	0.03842	0.03856			AVRG		0.04089		10.38248	
tert-Amyl methyl ether	NE	1.82207	1.65634	1.67414	1.59982	1.52885						
	1.52534	1.52372	1.59018	1.51346			AVRG		1.60377		6.30893	
tert-Butyl ethyl ether	NE	1.80647	1.57123	1.56716	1.46858	1.46510						
	1.46020	1.45186	1.48722	1.45836			AVRG		1.52624		7.51749	
tert-Amyl alcohol	NE	0.04668	0.04597	0.04251	0.04287	0.04073						
	0.03803	0.03817	0.04018	0.04285			AVRG		0.04200		7.27701	
Epichlorohydrin	NE	0.03720	0.03387	0.03155	0.02794	0.02942						
	0.02666	0.02704	0.02777	0.02772			AVRG		0.02991		12.04819	
Isoprene	NE	0.16436	0.19825	0.16986	0.11813	0.11521						
	0.11147	0.11863	0.11449	0.11423			AVRG		0.13607		23.83892	*

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n-Amyl acetate	NE 0.63723	0.72007 0.63944	0.73131 0.65455	0.63610 0.65751	0.66393	0.68601	AVRG		0.66957		5.30890	
Isopropyl acetate	NE 0.84694	0.96664 0.83507	0.81115 0.84519	0.82457 0.83945	0.90675	0.89568	AVRG		0.86349		5.76082	
n-Butyl acetate	NE 0.54986	0.46933 0.53460	0.51599 0.54978	0.51302 0.55812	0.55855	0.57035	AVRG		0.53551		5.88026	
Acetaldehyde	NE 50952	NE 103450	NE 152553	4310 210164	6656	20285	LINR	-0.06894	0.02587		0.99963	*
Methyl Amyl Ketone	NE 0.74062	0.65724 0.75253	0.65081 0.77485	0.73145 0.78295	0.75722	0.77834	AVRG		0.73622		6.74574	
Dimethyl Disulfide	NE 0.76213	0.81112 0.75348	0.66792 0.77596	0.70809 0.75246	0.72312	0.71935	AVRG		0.74151		5.65803	
Isobutylene	NE 0.04599	0.05492 0.04507	0.05248 0.05081	0.04904 0.04389	0.04588	0.04218	AVRG		0.04781		8.88937	
2-Ethylhexyl Acrylate	NE 360378	2087 790630	3400 1215186	8837 1627894	25308	120798	LINR	0.02538	0.94922		0.99965	
94 1,2-Dichloroethylene (total)	NE 0.47212	0.59054 0.47798	0.55152 0.47957	0.52022 0.47697	0.48546	0.48413	AVRG		0.50428		8.22663	
95 Xylenes (total)	NE 0.56850	0.64773 0.59032	0.58459 0.60398	0.62199 0.60228	0.58667	0.57654	AVRG		0.59807		4.09592	
30 Dibromofluoromethane	NE 209535	1689 449558	5707 670515	9855 880893	25267	90715	LINR	-0.00695	0.44346		0.99959	
35 1,2-Dichloroethane-d4	NE 238148	3125 480296	6368 717187	11054 943547	26822	99379	LINR	-0.01718	0.47386		0.99978	

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48 Toluene-d8	NE 1.13265	1.45018 1.22907	1.43208 1.19790	1.30411 1.15568	1.24221	1.23311	AVRG		1.26411		8.86752	
69 4-Bromofluorobenzene	NE 332999	7971 703849	11345 1057321	16470 1427380	37968	139706	LINR	-0.01076	0.48296		0.99989	

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Form 6I

Initial Calibration Verification (ICV)

Volatiles by EPA 8260

Workorder

HS23060722

Client

Bhate Environmental Associates, Inc.

Project

LHAAP-58

06/21/2023

ALS Environmental–Houston Laboratory
10450 Stancliff Road, Suite 210, Houston, TX 77099
Phone (281) 530-5656 Fax (281) 530-5887
www.alsglobal.com

Initial Calibration Verification (ICV)

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Project LHAAP-58

Workorder
HS23060722

RunID
VOA6_438076

Volatiles by EPA 8260

Sample Matrix LIQUID
Lab Smp Id ICV
Level LOW

Fraction VOA
Client Smp ID ICV
Operator PC

Compound	Conc Added	Conc Recovered	% Recovered	Limits	Q
1,1,1,2-Tetrachloroethane	50.00	46.87	93.74	80-120	
1,1,1-Trichloroethane	50.00	44.94	89.89	80-120	
1,1,2,2-Tetrachloroethane	50.00	46.24	92.49	80-120	
Freon TF	50.00	49.79	99.59	80-120	
Methyl acetate	50.00	48.69	97.38	80-120	
Cyclohexane	50.00	46.80	93.62	80-120	
Methylcyclohexane	50.00	53.51	107.04	80-120	
Carbon Disulfide	100.00	90.58	90.58	80-120	
2-Hexanone	100.00	98.60	98.60	80-120	
1,1,2-Trichloroethane	50.00	47.08	94.17	80-120	
1,1-Dichloroethane	50.00	46.17	92.34	80-120	
1,1-Dichloroethene	50.00	44.21	88.43	80-120	
1,1-Dichloropropene	50.00	46.82	93.64	80-120	
1,2,3-Trichlorobenzene	50.00	50.83	101.67	80-120	
1,2,3-Trichloropropane	50.00	47.13	94.28	80-120	
1,2,4-Trichlorobenzene	50.00	50.59	101.19	80-120	
1,2,4-Trimethylbenzene	50.00	46.23	92.47	80-120	
1,2-Dibromo-3-Chloropropane	50.00	50.38	100.77	80-120	
1,2-Dibromoethane	50.00	47.45	94.91	80-120	
Acrolein	100.00	103.93	103.93	80-120	
Acrylonitrile	100.00	94.07	94.08	80-120	
1,2-Dichlorobenzene	50.00	47.36	94.73	80-120	
1,2-Dichloroethane	50.00	49.10	98.20	80-120	
1,2-Dichloropropane	50.00	48.45	96.90	80-120	
1,3,5-Trimethylbenzene	50.00	46.12	92.25	80-120	
1,3-Dichlorobenzene	50.00	47.31	94.64	80-120	
1,3-Dichloropropane	50.00	48.46	96.92	80-120	
1,4-Dichlorobenzene	50.00	46.35	92.71	80-120	
1-Chlorohexane	50.00	45.55	91.10	80-120	
2,2-Dichloropropane	50.00	49.24	98.49	80-120	
2-Butanone	100.00	102.39	102.40	80-120	
2-Chloroethylvinyl ether	100.00	102.53	102.53	80-120	
2-Chlorotoluene	50.00	45.20	90.40	80-120	
4-Chlorotoluene	50.00	46.76	93.53	80-120	

Initial Calibration Verification (ICV)

Client Bhate Environmental Associates, Inc.
Project LHAAP-58

Workorder
HS23060722

RunID
VOA6_438076

Volatiles by EPA 8260

Sample Matrix LIQUID
Lab Smp Id ICV
Level LOW

Fraction VOA
Client Smp ID ICV
Operator PC

Compound	Conc Added	Conc Recovered	% Recovered	Limits	Q
p-Isopropyltoluene	50.00	46.63	93.27	80-120	
4-Methyl-2-Pentanone	100.00	97.98	97.98	80-120	
Acetone	100.00	87.51	87.52	80-120	
Acetonitrile	500.00	494.01	98.80	80-120	
Allyl Chloride	50.00	49.12	98.25	80-120	
Benzene	50.00	47.05	94.11	80-120	
Bromobenzene	50.00	47.80	95.61	80-120	
Bromochloromethane	50.00	44.92	89.85	80-120	
Bromodichloromethane	50.00	46.41	92.84	80-120	
Bromoform	50.00	48.28	96.57	80-120	
Bromomethane	50.00	46.93	93.86	80-120	
Carbon Tetrachloride	50.00	46.16	92.34	80-120	
Chlorobenzene	50.00	46.73	93.47	80-120	
Chloroethane	50.00	46.13	92.28	80-120	
Chloroform	50.00	44.31	88.62	80-120	
Chloromethane	50.00	47.99	96.00	80-120	
Chloroprene	50.00	44.77	89.56	80-120	
cis-1,2-Dichloroethene	50.00	46.34	92.69	80-120	
cis-1,3-Dichloropropene	50.00	49.32	98.65	80-120	
Dibromochloromethane	50.00	48.01	96.02	80-120	
Dibromomethane	50.00	48.22	96.45	80-120	
Dichlorodifluoromethane	50.00	48.88	97.77	80-120	
Ethylbenzene	50.00	45.79	91.59	80-120	
Ethyl Methacrylate	50.00	42.61	85.24	80-120	
Iodomethane	100.00	92.19	92.19	80-120	
Isobutyl Alcohol	1000.00	980.04	98.00	70-130	
Propionitrile	500.00	498.23	99.65	70-130	
Hexachlorobutadiene	50.00	49.69	99.39	80-120	
Isopropylbenzene	50.00	45.67	91.36	80-120	
m,p-Xylenes	100.00	95.16	95.17	80-120	
Methyl tert-butyl ether	50.00	47.37	94.75	80-120	
Methylene Chloride	50.00	43.72	87.45	80-120	
Methacrylonitrile	50.00	48.78	97.56	80-120	
Methyl Methacrylate	50.00	49.45	98.90	80-120	

Initial Calibration Verification (ICV)

Client Bhate Environmental Associates, Inc.
Project LHAAP-58

Workorder HS23060722

RunID VOA6_438076

Volatiles by EPA 8260

Sample Matrix LIQUID
Lab Smp Id ICV
Level LOW
Fraction VOA
Client Smp ID ICV
Operator PC

Compound	Conc Added	Conc Recovered	% Recovered	Limits	Q
n-Butylbenzene	50.00	48.74	97.49	80-120	
n-Propylbenzene	50.00	46.49	92.99	80-120	
Naphthalene	50.00	52.43	104.86	80-120	
o-Xylene	50.00	46.20	92.40	80-120	
sec-Butylbenzene	50.00	45.26	90.53	80-120	
Styrene	50.00	48.54	97.09	80-120	
tert-Butylbenzene	50.00	45.20	90.41	80-120	
Tetrachloroethene	50.00	45.65	91.32	80-120	
Toluene	50.00	47.38	94.76	80-120	
trans-1,2-Dichloroethene	50.00	45.23	90.46	80-120	
trans-1,3-Dichloropropene	50.00	49.63	99.28	80-120	
trans-1,4-Dichloro-2-butene	50.00	51.27	102.56	80-120	
Trichloroethene	50.00	46.73	93.48	80-120	
Trichlorofluoromethane	50.00	46.34	92.69	80-120	
Vinyl Acetate	100.00	103.98	103.98	80-120	
Vinyl Chloride	50.00	45.89	91.79	80-120	
1,2-Dichloroethylene (total)	100.00	91.57	91.58	80-120	
Xylenes (total)	150.00	141.36	94.25	80-120	
1,4-Dioxane	1000.00	977.76	97.78	80-120	
Dibromofluoromethane	50.00	50.87	101.75	71-125	
1,2-Dichloroethane-d4	50.00	50.05	100.12	70-125	
Toluene-d8	50.00	48.61	97.23	75-125	

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Form 7

Continuing Calibration Verification (CCV)

Volatiles by EPA 8260

Workorder

HS23060722

Client

Bhate Environmental Associates, Inc.

Project

LHAAP-58

06/21/2023

ALS Environmental–Houston Laboratory

10450 Stancliff Road, Suite 210, Houston, TX 77099

Phone (281) 530-5656 Fax (281) 530-5887

www.alsglobal.com

Continuing Calibration Verification (CCV)

Client Bhate Environmental Associates, Inc.
Project LHAAP-58

Workorder HS23060722

RunID VOA6_439205

Volatiles by EPA 8260

Instrument ID VOA6.I
Lab File ID X061703.D
Analysis Type WATER
Lab Sample ID CCV

Injection Date 17-JUN-2023 11:58
ICAL Date(s) 15-JUN-2023 15-JUN-2023
ICAL Times 11:15 14:45
Quant Type ISTD

Compound	$\overline{RRF}$ / Conc	RF50 / Conc	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
1,4-Dioxane	0.00606	0.00646	0.00646	0.001	-6.58245	20.0	Averaged	
1,3-Butadiene	0.41435	0.39867	0.39867	0.100	3.78551	20.0	Averaged	
Methacrylonitrile	0.41256	0.43328	0.43328	0.100	-5.02396	20.0	Averaged	
Isobutyl Alcohol	0.06519	0.06743	0.06743	0.005	-3.42915	20.0	Averaged	
Acetonitrile	0.04850	0.04871	0.04871	0.005	-0.43789	20.0	Averaged	
Allyl Chloride	1.09651	1.09423	1.09423	0.100	0.20739	20.0	Averaged	
Propionitrile	0.06047	0.06516	0.06516	0.010	-7.75533	20.0	Averaged	
trans-1,4-Dichloro-2-butene	0.12170	0.12810	0.12810	0.050	-5.25907	20.0	Averaged	
Acetaldehyde	200	203	0.02665	0.001	-1.30926	20.0	Linear	
Chloroprene	0.16619	0.15639	0.15639	0.100	5.89754	20.0	Averaged	
Ethyl Acetate	0.50967	0.50541	0.50541	0.100	0.83567	20.0	Averaged	
Methyl Methacrylate	0.38707	0.40265	0.40265	0.100	-4.02523	20.0	Averaged	
Ethyl Methacrylate	0.35838	0.32233	0.32233	0.100	10.05936	20.0	Averaged	
Methyl Acrylate	0.40496	0.46552	0.46552	0.100	-14.95627	20.0	Averaged	
n-Hexane	50.0	55.37706	0.51017	0.100	-10.75413	20.0	Quadratic	
Diisopropyl ether	1.47464	1.45117	1.45117	0.100	1.59110	20.0	Averaged	
1,2,3-Trimethylbenzene	2.37667	2.20867	2.20867	0.100	7.06891	20.0	Averaged	
Dichlorodifluoromethane	50.0	50.83105	0.43778	0.100	-1.66211	20.0	Linear	
Chloromethane	50.0	48.51988	0.51257	0.100	2.96025	20.0	Linear	
Vinyl Chloride	0.52511	0.50050	0.50050	0.100	4.68691	20.0	Averaged	
Bromomethane	0.30142	0.28826	0.28826	0.100	4.36625	20.0	Averaged	
Chloroethane	0.32098	0.32401	0.32401	0.100	-0.94536	20.0	Averaged	
Trichlorofluoromethane	0.62401	0.62494	0.62494	0.100	-0.15052	20.0	Averaged	
Acrolein	0.03103	0.02776	0.02776	0.010	10.51727	20.0	Averaged	
Acetone	100	87.85476	0.11458	0.100	12.14524	20.0	Linear	
1,1-Dichloroethene	0.39145	0.36478	0.36478	0.100	6.81371	20.0	Averaged	
Iodomethane	100	92.46546	0.59873	0.100	7.53454	20.0	Quadratic	
Acrylonitrile	0.15871	0.15862	0.15862	0.050	0.05514	20.0	Averaged	
Methylene Chloride	0.55293	0.50746	0.50746	0.100	8.22424	20.0	Averaged	
Methyl tert-butyl ether	1.36625	1.36362	1.36362	0.100	0.19256	20.0	Averaged	
Carbon Disulfide	1.39384	1.30878	1.30878	0.100	6.10293	20.0	Averaged	
trans-1,2-Dichloroethene	0.46841	0.44607	0.44607	0.100	4.76902	20.0	Averaged	
Vinyl Acetate	1.25019	1.37708	1.37708	0.010	-10.14957	20.0	Averaged	
1,1-Dichloroethane	0.84382	0.82774	0.82774	0.200	1.90605	20.0	Averaged	

Continuing Calibration Verification (CCV)

Client Bhate Environmental Associates, Inc.
Project LHAAP-58

Workorder HS23060722

RunID VOA6_439205

Volatiles by EPA 8260

Instrument ID VOA6.I
Lab File ID X061703.D
Analysis Type WATER
Lab Sample ID CCV

Injection Date 17-JUN-2023 11:58
ICAL Date(s) 15-JUN-2023 15-JUN-2023
ICAL Times 11:15 14:45
Quant Type ISTD

Compound	$\overline{RRF}$ / Conc	RF50 / Conc	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
2-Butanone	0.16455	0.17063	0.17063	0.100	-3.69427	20.0	Averaged	
2,2-Dichloropropane	50.0	52.65730	0.70127	0.100	-5.31460	20.0	Linear	
cis-1,2-Dichloroethene	0.54016	0.51582	0.51582	0.100	4.50555	20.0	Averaged	
Chloroform	0.90821	0.85698	0.85698	0.200	5.64107	20.0	Averaged	
Bromochloromethane	0.28784	0.27386	0.27386	0.100	4.85602	20.0	Averaged	
30 Dibromofluoromethane	50.0	52.32537	0.46716	0.100	-4.65074	20.0	Linear	
1,1,1-Trichloroethane	0.73406	0.71128	0.71128	0.100	3.10342	20.0	Averaged	
1,1-Dichloropropene	0.41897	0.41133	0.41133	0.100	1.82246	20.0	Averaged	
1,2-Dichloroethane	0.41982	0.43195	0.43195	0.100	-2.89017	20.0	Averaged	
Carbon Tetrachloride	0.40293	0.38891	0.38891	0.100	3.47925	20.0	Averaged	
35 1,2-Dichloroethane-d4	50.0	54.15505	0.52138	0.100	-8.31009	20.0	Linear	
Benzene	1.28613	1.23804	1.23804	0.500	3.73961	20.0	Averaged	
Trichloroethene	0.35461	0.33750	0.33750	0.200	4.82633	20.0	Averaged	
Bromodichloromethane	0.45495	0.43930	0.43930	0.200	3.43929	20.0	Averaged	
2-Chloroethylvinyl ether	0.12311	0.12913	0.12913	0.001	-4.89232	20.0	Averaged	
1,2-Dichloropropane	0.33759	0.33519	0.33519	0.100	0.70937	20.0	Averaged	
Dibromomethane	0.21192	0.21020	0.21020	0.100	0.80906	20.0	Averaged	
4-Methyl-2-Pentanone	0.32299	0.33162	0.33162	0.100	-2.67139	20.0	Averaged	
cis-1,3-Dichloropropene	0.56095	0.57012	0.57012	0.200	-1.63574	20.0	Averaged	
48 Toluene-d8	1.26411	1.22223	1.22223	0.100	3.31292	20.0	Averaged	
Toluene	1.46787	1.42156	1.42156	0.400	3.15475	20.0	Averaged	
trans-1,3-Dichloropropene	0.46933	0.48261	0.48261	0.100	-2.82964	20.0	Averaged	
2-Hexanone	0.21575	0.22199	0.22199	0.100	-2.89546	20.0	Averaged	
1,1,2-Trichloroethane	0.28597	0.27940	0.27940	0.100	2.29668	20.0	Averaged	
1,3-Dichloropropane	0.57821	0.57974	0.57974	0.100	-0.26537	20.0	Averaged	
Dibromochloromethane	0.40528	0.40025	0.40025	0.100	1.24285	20.0	Averaged	
Tetrachloroethene	0.30185	0.28318	0.28318	0.200	6.18415	20.0	Averaged	
1,2-Dibromoethane	0.36552	0.36228	0.36228	0.100	0.88614	20.0	Averaged	
1-Chlorohexane	0.30406	0.30378	0.30378	0.100	0.09183	20.0	Averaged	
Chlorobenzene	1.00438	0.96462	0.96462	0.500	3.95859	20.0	Averaged	
1,1,1,2-Tetrachloroethane	0.37452	0.35959	0.35959	0.100	3.98621	20.0	Averaged	
Ethylbenzene	0.51747	0.49026	0.49026	0.100	5.25792	20.0	Averaged	
m,p-Xylenes	0.63815	0.62899	0.62899	0.100	1.43458	20.0	Averaged	
o-Xylene	0.63677	0.61056	0.61056	0.300	4.11613	20.0	Averaged	

Continuing Calibration Verification (CCV)

Client Bhate Environmental Associates, Inc.
Project LHAAP-58

Workorder HS23060722

RunID VOA6_439205

Volatiles by EPA 8260

Instrument ID VOA6.I
Lab File ID X061703.D
Analysis Type WATER
Lab Sample ID CCV

Injection Date 17-JUN-2023 11:58
ICAL Date(s) 15-JUN-2023 15-JUN-2023
ICAL Times 11:15 14:45
Quant Type ISTD

Compound	$\overline{RRF}$ / Conc	RF50 / Conc	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
Styrene	1.04887	1.04957	1.04957	0.300	-0.06753	20.0	Averaged	
Bromoform	0.28254	0.28099	0.28099	0.100	0.54975	20.0	Averaged	
Isopropylbenzene	1.57393	1.49340	1.49340	0.100	5.11664	20.0	Averaged	
1,1,2,2-Tetrachloroethane	0.87919	0.83530	0.83530	0.300	4.99236	20.0	Averaged	
1,2,3-Trichloropropane	0.63044	0.60537	0.60537	0.100	3.97701	20.0	Averaged	
n-Propylbenzene	3.29025	3.16931	3.16931	0.100	3.67573	20.0	Averaged	
Bromobenzene	0.81493	0.77874	0.77874	0.100	4.44151	20.0	Averaged	
1,3,5-Trimethylbenzene	2.41429	2.30999	2.30999	0.100	4.32037	20.0	Averaged	
2-Chlorotoluene	2.08941	1.94324	1.94324	0.100	6.99578	20.0	Averaged	
4-Chlorotoluene	2.33060	2.26035	2.26035	0.100	3.01455	20.0	Averaged	
tert-Butylbenzene	2.01139	1.88909	1.88909	0.100	6.08025	20.0	Averaged	
1,2,4-Trimethylbenzene	2.43582	2.33712	2.33712	0.100	4.05233	20.0	Averaged	
sec-Butylbenzene	2.83678	2.72152	2.72152	0.100	4.06300	20.0	Averaged	
p-Isopropyltoluene	2.48362	2.40729	2.40729	0.100	3.07352	20.0	Averaged	
1,3-Dichlorobenzene	1.45104	1.38334	1.38334	0.600	4.66562	20.0	Averaged	
1,4-Dichlorobenzene	1.55314	1.45852	1.45852	0.400	6.09199	20.0	Averaged	
n-Butylbenzene	2.11532	2.18751	2.18751	0.500	-3.41265	20.0	Averaged	
1,2-Dichlorobenzene	1.43975	1.39350	1.39350	0.400	3.21249	20.0	Averaged	
1,2-Dibromo-3-Chloropropane	50.0	50.75122	0.14565	0.040	-1.50244	20.0	Linear	
1,2,4-Trichlorobenzene	1.00154	1.01924	1.01924	0.100	-1.76659	20.0	Averaged	
Hexachlorobutadiene	0.44956	0.46141	0.46141	0.100	-2.63586	20.0	Averaged	
Naphthalene	2.25463	2.38133	2.38133	0.200	-5.61934	20.0	Averaged	
1,2,3-Trichlorobenzene	0.92158	0.95077	0.95077	0.010	-3.16735	20.0	Averaged	
94 1,2-Dichloroethylene (total	0.50428	0.48094	0.48094	0.200	4.62791	20.0	Averaged	
95 Xylenes (total)	0.59807	0.58876	0.58876	0.100	1.55629	20.0	Averaged	
Cyclohexane	0.63736	0.63929	0.63929	0.100	-0.30308	20.0	Averaged	
Freon TF	50.0	53.25271	0.37100	0.100	-6.50541	20.0	Quadratic	
Methylcyclohexane	0.69881	0.69554	0.69554	0.100	0.46805	20.0	Averaged	
Methyl Acetate	0.29595	0.30972	0.30972	0.100	-4.65320	20.0	Averaged	
Tert-butyl alcohol	0.05134	0.05023	0.05023	0.005	2.16406	20.0	Averaged	
Isopropyl alcohol	0.02834	0.02863	0.02863	0.005	-1.00538	20.0	Averaged	

Continuing Calibration Verification (CCV)

Client Bhate Environmental Associates, Inc.
Project LHAAP-58

Workorder HS23060722

RunID VOA6_439205

Volatiles by EPA 8260

Instrument ID VOA6.I
Lab File ID X061731.D
Analysis Type WATER
Lab Sample ID CCV-END

Injection Date 17-JUN-2023 21:47
ICAL Date(s) 15-JUN-2023 15-JUN-2023
ICAL Times 11:15 14:45
Quant Type ISTD

Compound	$\overline{RRF}$ / Conc	RF50 / Conc	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
1,4-Dioxane	0.00606	0.00620	0.00620	0.001	-2.24039	50.0	Averaged	
1,3-Butadiene	0.41435	0.40861	0.40861	0.100	1.38527	50.0	Averaged	
Methacrylonitrile	0.41256	0.44506	0.44506	0.100	-7.87904	50.0	Averaged	
Isobutyl Alcohol	0.06519	0.06825	0.06825	0.005	-4.67975	50.0	Averaged	
Acetonitrile	0.04850	0.05338	0.05338	0.005	-10.06385	50.0	Averaged	
Allyl Chloride	1.09651	1.14547	1.14547	0.100	-4.46549	50.0	Averaged	
Propionitrile	0.06047	0.06615	0.06615	0.010	-9.39245	50.0	Averaged	
trans-1,4-Dichloro-2-butene	0.12170	0.11097	0.11097	0.050	8.81477	50.0	Averaged	
Acetaldehyde	200	203	0.02672	0.001	-1.57323	50.0	Linear	
Chloroprene	0.16619	0.15217	0.15217	0.100	8.43655	50.0	Averaged	
Ethyl Acetate	0.50967	0.50478	0.50478	0.100	0.96011	50.0	Averaged	
Methyl Methacrylate	0.38707	0.42072	0.42072	0.100	-8.69417	50.0	Averaged	
Ethyl Methacrylate	0.35838	0.33106	0.33106	0.100	7.62380	50.0	Averaged	
Methyl Acrylate	0.40496	0.46742	0.46742	0.100	-15.42449	50.0	Averaged	
n-Hexane	50.0	48.28523	0.44124	0.100	3.42955	50.0	Quadratic	
Diisopropyl ether	1.47464	1.48182	1.48182	0.100	-0.48711	50.0	Averaged	
1,2,3-Trimethylbenzene	2.37667	2.39477	2.39477	0.100	-0.76138	50.0	Averaged	
Dichlorodifluoromethane	50.0	48.72272	0.41950	0.100	2.55457	50.0	Linear	
Chloromethane	50.0	44.94595	0.47400	0.100	10.10810	50.0	Linear	
Vinyl Chloride	0.52511	0.50623	0.50623	0.100	3.59478	50.0	Averaged	
Bromomethane	0.30142	0.25811	0.25811	0.100	14.36794	50.0	Averaged	
Chloroethane	0.32098	0.31644	0.31644	0.100	1.41503	50.0	Averaged	
Trichlorofluoromethane	0.62401	0.61569	0.61569	0.100	1.33293	50.0	Averaged	
Acrolein	0.03103	0.02993	0.02993	0.010	3.52597	50.0	Averaged	
Acetone	100	91.19626	0.11893	0.100	8.80374	50.0	Linear	
1,1-Dichloroethene	0.39145	0.37301	0.37301	0.100	4.71127	50.0	Averaged	
Iodomethane	100	76.66680	0.49281	0.100	23.33320	50.0	Quadratic	
Acrylonitrile	0.15871	0.16251	0.16251	0.050	-2.39476	50.0	Averaged	
Methylene Chloride	0.55293	0.51073	0.51073	0.100	7.63199	50.0	Averaged	
Methyl tert-butyl ether	1.36625	1.34341	1.34341	0.100	1.67172	50.0	Averaged	
Carbon Disulfide	1.39384	1.18173	1.18173	0.100	15.21768	50.0	Averaged	
trans-1,2-Dichloroethene	0.46841	0.44711	0.44711	0.100	4.54636	50.0	Averaged	
Vinyl Acetate	1.25019	1.35322	1.35322	0.010	-8.24069	50.0	Averaged	
1,1-Dichloroethane	0.84382	0.83578	0.83578	0.200	0.95285	50.0	Averaged	

Continuing Calibration Verification (CCV)

Client Bhate Environmental Associates, Inc.
Project LHAAP-58

Workorder HS23060722

RunID VOA6_439205

Volatiles by EPA 8260

Instrument ID VOA6.I
Lab File ID X061731.D
Analysis Type WATER
Lab Sample ID CCV-END

Injection Date 17-JUN-2023 21:47
ICAL Date(s) 15-JUN-2023 15-JUN-2023
ICAL Times 11:15 14:45
Quant Type ISTD

Compound	$\overline{RRF}$ / Conc	RF50 / Conc	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
2-Butanone	0.16455	0.16762	0.16762	0.100	-1.86890	50.0	Averaged	
2,2-Dichloropropane	50.0	46.19588	0.61523	0.100	7.60823	50.0	Linear	
cis-1,2-Dichloroethene	0.54016	0.52452	0.52452	0.100	2.89406	50.0	Averaged	
Chloroform	0.90821	0.87139	0.87139	0.200	4.05436	50.0	Averaged	
Bromochloromethane	0.28784	0.27421	0.27421	0.100	4.73390	50.0	Averaged	
30 Dibromofluoromethane	50.0	54.84366	0.48950	0.100	-9.68732	50.0	Linear	
1,1,1-Trichloroethane	0.73406	0.70890	0.70890	0.100	3.42688	50.0	Averaged	
1,1-Dichloropropene	0.41897	0.39880	0.39880	0.100	4.81430	50.0	Averaged	
1,2-Dichloroethane	0.41982	0.42508	0.42508	0.100	-1.25364	50.0	Averaged	
Carbon Tetrachloride	0.40293	0.37446	0.37446	0.100	7.06551	50.0	Averaged	
35 1,2-Dichloroethane-d4	50.0	55.63435	0.53540	0.100	-11.26869	50.0	Linear	
Benzene	1.28613	1.22451	1.22451	0.500	4.79139	50.0	Averaged	
Trichloroethene	0.35461	0.33351	0.33351	0.200	5.95093	50.0	Averaged	
Bromodichloromethane	0.45495	0.43314	0.43314	0.200	4.79375	50.0	Averaged	
2-Chloroethylvinyl ether	0.12311	0.10922	0.10922	0.001	11.28414	50.0	Averaged	
1,2-Dichloropropane	0.33759	0.32926	0.32926	0.100	2.46672	50.0	Averaged	
Dibromomethane	0.21192	0.20781	0.20781	0.100	1.93854	50.0	Averaged	
4-Methyl-2-Pentanone	0.32299	0.32151	0.32151	0.100	0.45720	50.0	Averaged	
cis-1,3-Dichloropropene	0.56095	0.54368	0.54368	0.200	3.07790	50.0	Averaged	
48 Toluene-d8	1.26411	1.24155	1.24155	0.100	1.78469	50.0	Averaged	
Toluene	1.46787	1.40541	1.40541	0.400	4.25522	50.0	Averaged	
trans-1,3-Dichloropropene	0.46933	0.45911	0.45911	0.100	2.17776	50.0	Averaged	
2-Hexanone	0.21575	0.21775	0.21775	0.100	-0.92658	50.0	Averaged	
1,1,2-Trichloroethane	0.28597	0.26955	0.26955	0.100	5.74205	50.0	Averaged	
1,3-Dichloropropane	0.57821	0.55682	0.55682	0.100	3.69798	50.0	Averaged	
Dibromochloromethane	0.40528	0.38536	0.38536	0.100	4.91608	50.0	Averaged	
Tetrachloroethene	0.30185	0.26841	0.26841	0.200	11.07939	50.0	Averaged	
1,2-Dibromoethane	0.36552	0.34601	0.34601	0.100	5.33599	50.0	Averaged	
1-Chlorohexane	0.30406	0.26684	0.26684	0.100	12.24232	50.0	Averaged	
Chlorobenzene	1.00438	0.93960	0.93960	0.500	6.44956	50.0	Averaged	
1,1,1,2-Tetrachloroethane	0.37452	0.35091	0.35091	0.100	6.30334	50.0	Averaged	
Ethylbenzene	0.51747	0.47271	0.47271	0.100	8.64957	50.0	Averaged	
m,p-Xylenes	0.63815	0.60117	0.60117	0.100	5.79416	50.0	Averaged	
o-Xylene	0.63677	0.58647	0.58647	0.300	7.89961	50.0	Averaged	

Continuing Calibration Verification (CCV)

Client Bhate Environmental Associates, Inc.
Project LHAAP-58

Workorder HS23060722

RunID VOA6_439205

Volatiles by EPA 8260

Instrument ID VOA6.I
Lab File ID X061731.D
Analysis Type WATER
Lab Sample ID CCV-END

Injection Date 17-JUN-2023 21:47
ICAL Date(s) 15-JUN-2023 15-JUN-2023
ICAL Times 11:15 14:45
Quant Type ISTD

Compound	$\overline{RRF}$ / Conc	RF50 / Conc	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
Styrene	1.04887	1.00609	1.00609	0.300	4.07803	50.0	Averaged	
Bromoform	0.28254	0.26837	0.26837	0.100	5.01460	50.0	Averaged	
Isopropylbenzene	1.57393	1.43673	1.43673	0.100	8.71716	50.0	Averaged	
1,1,2,2-Tetrachloroethane	0.87919	0.81660	0.81660	0.300	7.11894	50.0	Averaged	
1,2,3-Trichloropropane	0.63044	0.63040	0.63040	0.100	0.00613	50.0	Averaged	
n-Propylbenzene	3.29025	3.01952	3.01952	0.100	8.22822	50.0	Averaged	
Bromobenzene	0.81493	0.75965	0.75965	0.100	6.78344	50.0	Averaged	
1,3,5-Trimethylbenzene	2.41429	2.21669	2.21669	0.100	8.18485	50.0	Averaged	
2-Chlorotoluene	2.08941	1.87610	1.87610	0.100	10.20914	50.0	Averaged	
4-Chlorotoluene	2.33060	2.18015	2.18015	0.100	6.45558	50.0	Averaged	
tert-Butylbenzene	2.01139	1.82015	1.82015	0.100	9.50770	50.0	Averaged	
1,2,4-Trimethylbenzene	2.43582	2.23914	2.23914	0.100	8.07483	50.0	Averaged	
sec-Butylbenzene	2.83678	2.54425	2.54425	0.100	10.31197	50.0	Averaged	
p-Isopropyltoluene	2.48362	2.24354	2.24354	0.100	9.66649	50.0	Averaged	
1,3-Dichlorobenzene	1.45104	1.32569	1.32569	0.600	8.63881	50.0	Averaged	
1,4-Dichlorobenzene	1.55314	1.37933	1.37933	0.400	11.19093	50.0	Averaged	
n-Butylbenzene	2.11532	1.98023	1.98023	0.500	6.38631	50.0	Averaged	
1,2-Dichlorobenzene	1.43975	1.31462	1.31462	0.400	8.69151	50.0	Averaged	
1,2-Dibromo-3-Chloropropane	50.0	48.18903	0.13826	0.040	3.62193	50.0	Linear	
1,2,4-Trichlorobenzene	1.00154	0.94184	0.94184	0.100	5.96095	50.0	Averaged	
Hexachlorobutadiene	0.44956	0.40009	0.40009	0.100	11.00434	50.0	Averaged	
Naphthalene	2.25463	2.26193	2.26193	0.200	-0.32345	50.0	Averaged	
1,2,3-Trichlorobenzene	0.92158	0.88271	0.88271	0.010	4.21751	50.0	Averaged	
94 1,2-Dichloroethylene (total	0.50428	0.48582	0.48582	0.200	3.66144	50.0	Averaged	
95 Xylenes (total)	0.59807	0.56679	0.56679	0.100	5.22999	50.0	Averaged	
Cyclohexane	0.63736	0.64215	0.64215	0.100	-0.75054	50.0	Averaged	
Freon TF	50.0	50.16516	0.34904	0.100	-0.33032	50.0	Quadratic	
Methylcyclohexane	0.69881	0.74500	0.74500	0.100	-6.60997	50.0	Averaged	
Methyl Acetate	0.29595	0.32048	0.32048	0.100	-8.29166	50.0	Averaged	
Tert-butyl alcohol	0.05134	0.04778	0.04778	0.005	6.93842	50.0	Averaged	
Isopropyl alcohol	0.02834	0.02620	0.02620	0.005	7.54757	50.0	Averaged	

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Form 8

Internal Standard Area and RT Summary

Volatiles by EPA 8260

Workorder

HS23060722

Client

Bhate Environmental Associates, Inc.

Project

LHAAP-58

06/21/2023

ALS Environmental–Houston Laboratory

10450 Stancliff Road, Suite 210, Houston, TX 77099

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Form 8 - Internal Standard Area and RT Summary

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder **HS23060722**

Volatiles by EPA 8260

VOA6_439205		Pentafluorobenzene				1,4-Difluorobenzene				Chlorobenzene				1,4-Dichlorobenze			
Sample ID	File ID	Area	#	RT	#	Area	#	RT	#	Area	#	RT	#	Area	#	RT	#
12-HOUR STD (CCV)	X061703.D	464761	#	4.18	#	718789	#	4.97	#	679450	#	7.67	#	385495	#	9.66	#
HS23060722-01	X061714.D	508264		4.18		746209		4.97		658282		7.67		332308		9.66	
HS23060722-02	X061715.D	489510		4.18		710307		4.97		621821		7.67		315024		9.66	
HS23060722-03	X061716.D	483893		4.18		710458		4.97		625935		7.67		309104		9.66	
HS23060722-04	X061717.D	479689		4.18		711016		4.97		625329		7.67		308530		9.66	
HS23060722-05	X061709.D	502504		4.18		739475		4.97		653992		7.67		338346		9.66	
HS23060722-05MS	X061710.D	499166		4.18		726571		4.97		647565		7.67		351472		9.66	
HS23060722-05MSD	X061711.D	506199		4.18		741804		4.97		668832		7.67		359957		9.66	
HS23060722-06	X061718.D	499600		4.18		720940		4.97		637557		7.67		308584		9.66	
HS23060722-07	X061719.D	495077		4.18		725717		4.97		642682		7.67		330864		9.66	
HS23060722-08	X061720.D	485560		4.18		709991		4.97		625729		7.67		313299		9.66	
HS23060722-09	X061721.D	492348		4.18		720112		4.97		647240		7.67		336944		9.66	
HS23060722-10	X061708.D	498067		4.18		731211		4.97		643081		7.67		316902		9.66	
VBLKW-230617	X061707.D	497634		4.18		733360		4.97		649753		7.67		331139		9.66	
VLCSW-230617	X061705.D	467611		4.18		727193		4.97		681365		7.67		388069		9.66	

AREA UPPER LIMIT = +100% of 12H STD IS Area
AREA LOWER LIMIT = - 50% of 12H STD IS Area
RT - Retention IS - Internal StandardTime

RT UPPER LIMIT = + 0.50 of 12H STD IS RT
RT LOWER LIMIT = - 0.50 of 12H STD IS RT
CCV - Continuing Calibration Verification

- Area or RT Limit Flag
* - Value Outside Area or RT limits
H - Hour STD - Standard

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Analysis Run Log

Volatiles by EPA 8260

Workorder

HS23060722

Client

Bhate Environmental Associates, Inc.

Project

LHAAP-58

06/21/2023

ALS Environmental–Houston Laboratory

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Form 13 - Analysis Run Log

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060722

RunID
VOA6-438076

Volatiles by EPA 8260

Run ID VOA6_438076 **Start Date** 06/15/23 **EndDate** 06/15/23

Inj. Time	Client Sample ID	Type	Lab Sample ID	File ID	Analysis Date	DF
10:54	BFB	TUNE	BFB	X061501.D	06/15/23	1
11:15	VSTD000.25	ICAL1	VSTD000.25	X061502.D	06/15/23	1
11:36	VSTD000.5	ICAL2	VSTD000.5	X061503.D	06/15/23	1
12:18	VSTD001	ICAL3	VSTD001	X061504.D	06/15/23	1
12:39	VSTD002	ICAL4	VSTD002	X061505.D	06/15/23	1
13:00	VSTD005	ICAL5	VSTD005	X061506.D	06/15/23	1
13:21	VSTD020	ICAL6	VSTD020	X061507.D	06/15/23	1
13:42	VSTD050	ICAL7	VSTD050	X061508.D	06/15/23	1
14:03	VSTD100	ICAL8	VSTD100	X061509.D	06/15/23	1
14:24	VSTD150	ICAL9	VSTD150	X061510.D	06/15/23	1
14:45	VSTD200	ICAL	VSTD200	X061511.D	06/15/23	1
15:47	CCV	ICV	CCV	X061514.D	06/15/23	1

Form 13 - Analysis Run Log

Client Bhate Environmental Associates, Inc.

Project LHAAP-58

Workorder
HS23060722

RunID
VOA6-439205

Volatiles by EPA 8260

Run ID VOA6_439205 **Start Date** 06/17/23 **EndDate** 06/17/23

Inj. Time	Client Sample ID	Type	Lab Sample ID	File ID	Analysis Date	DF
11:17	BFB	TUNE	BFB	X061701.D	06/17/23	1
11:58	CCV	CCV	CCV	X061703.D	06/17/23	1
12:19	CCB	CCB	CCB	X061704.D	06/17/23	1
12:40	VLCSW-230617	LCS	VLCSW-230617	X061705.D	06/17/23	1
13:23	VBLKW-230617	MBLK	VBLKW-230617	X061707.D	06/17/23	1
13:44	HS23060722-10	SAMP	Trip Blank	X061708.D	06/17/23	1
14:05	HS23060722-05	SAMP	35AWW18_060723	X061709.D	06/17/23	1
14:26	HS23060722-05MS	MS	HS23060722-05MS	X061710.D	06/17/23	1
14:47	HS23060722-05MSD	MSD	HS23060722-05MSD	X061711.D	06/17/23	1
15:29	HS23060739-07	SAMP	ZZZZZZZZZZ	X061713.D	06/17/23	1
15:50	HS23060722-01	SAMP	35AWW05_060723	X061714.D	06/17/23	1
16:11	HS23060722-02	SAMP	35AWW15_060723	X061715.D	06/17/23	1
16:32	HS23060722-03	SAMP	35AWW16_060723	X061716.D	06/17/23	1
16:53	HS23060722-04	SAMP	35AWW17_060723	X061717.D	06/17/23	1
17:14	HS23060722-06	SAMP	LHSMW06_060723	X061718.D	06/17/23	1
17:35	HS23060722-07	SAMP	LHSMW06_060723.a	X061719.D	06/17/23	1
17:56	HS23060722-08	SAMP	35AWW24_060723	X061720.D	06/17/23	1
18:17	HS23060722-09	SAMP	35AWW14_060723	X061721.D	06/17/23	1
18:38	HS23060739-05	SAMP	ZZZZZZZZZZ	X061722.D	06/17/23	1
18:59	HS23060739-06	SAMP	ZZZZZZZZZZ	X061723.D	06/17/23	1
19:20	HS23060999-01	SAMP	ZZZZZZZZZZ	X061724.D	06/17/23	1
19:41	HS23060999-02	SAMP	ZZZZZZZZZZ	X061725.D	06/17/23	1
20:02	HS23060999-05	SAMP	ZZZZZZZZZZ	X061726.D	06/17/23	1
20:23	HS23060999-06	SAMP	ZZZZZZZZZZ	X061727.D	06/17/23	1
20:44	HS23060739-01	SAMP	ZZZZZZZZZZ	X061728.D	06/17/23	1
21:05	HS23060739-03	SAMP	ZZZZZZZZZZ	X061729.D	06/17/23	1
21:27	HS23060739-04	SAMP	ZZZZZZZZZZ	X061730.D	06/17/23	1
21:47	CCV-END	CCV_END	CCV-END	X061731.D	06/17/23	1

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Raw Data VOA6 438076

Volatiles by EPA 8260

Workorder

HS23060722

Client

Bhate Environmental Associates, Inc.

Project

LHAAP-58

06/21/2023

ALS Environmental–Houston Laboratory

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Data File: \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061501.D Page 1
Report Date: 15-Jun-2023 11:38

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061501.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 15-JUN-2023 10:54
Operator : PC Inst ID: voa6.i
Smp Info : BFB;BFB;3;;BFB
Misc Info : V6;WATER;0;1;
Comment :
Method : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\bfb.m
Meth Date : 14-Mar-2023 15:45 Linh.Pham Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: NAHSTW7051

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	2.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/l)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
8.691	8.889	(0.000)	95	91504			0.00- 100.00	100.00
8.691	8.889	(0.000)	50	17024			15.00- 40.00	18.60
8.691	8.889	(0.000)	75	44272			30.00- 60.00	48.38
8.691	8.889	(0.000)	96	6495			5.00- 9.00	7.10
8.691	8.889	(0.000)	173	533			0.00- 2.00	0.74
8.691	8.889	(0.000)	174	72064			50.00- 0.00	78.76
8.691	8.889	(0.000)	175	5792			5.00- 9.00	8.04
8.691	8.889	(0.000)	176	71408			95.00- 101.00	99.09
8.691	8.889	(0.000)	177	5330			5.00- 9.00	7.46

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.60
75	30.00 - 60.00% of mass 95	48.38
96	5.00 - 9.00% of mass 95	7.10
173	Less than 2.00% of mass 174	0.58 (0.74)
174	Greater than 50.00% of mass 95	78.76
175	5.00 - 9.00% of mass 174	6.33 (8.04)
176	95.00 - 101.00% of mass 174	78.04 (99.09)
177	5.00 - 9.00% of mass 176	5.82 (7.46)

Data File: X061501.D
Spectrum: Scan 2160 (8.68)
Location of Maximum: 95.00
Number of points: 91

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	732	62.00	3604	92.10	1898	141.90	68
37.10	4114	63.00	2982	93.00	3456	143.00	777
38.10	3477	63.90	141	94.00	11246	143.90	94
39.10	1745	64.80	123	95.00	91504	147.70	291
40.00	1863	66.90	341	96.00	6495	148.80	125
41.10	52	68.00	9377	96.90	224	149.70	51
42.00	50	69.10	8186	104.00	204	151.90	69
42.90	82	70.00	449	104.80	127	152.80	64
44.10	1699	72.00	505	106.00	388	154.80	170
45.00	935	73.00	3827	106.90	76	156.90	174
46.00	105	74.10	13173	109.90	113	157.70	64
47.10	1295	75.10	44272	110.80	95	158.80	71
48.00	358	76.00	3684	115.10	123	169.90	113
49.00	3460	76.90	535	115.90	365	172.80	533
50.10	17024	77.90	379	116.90	632	173.90	72064
51.10	5327	78.90	2312	117.90	274	174.90	5792
52.00	282	80.00	561	118.90	458	175.90	71408
54.80	200	80.90	2487	128.00	326	176.90	5330
56.00	1410	81.90	556	128.80	272	178.00	84
57.00	1995	86.00	91	130.00	338	186.00	171
57.90	156	86.90	3763	135.00	109	191.00	88
59.90	837	87.90	3752	136.90	179	262.00	65
61.00	4172	90.90	273	140.90	1058		

Data File: \\nahstws005\target\chem\voa6.i\x230615.b\x061501.d Page 1

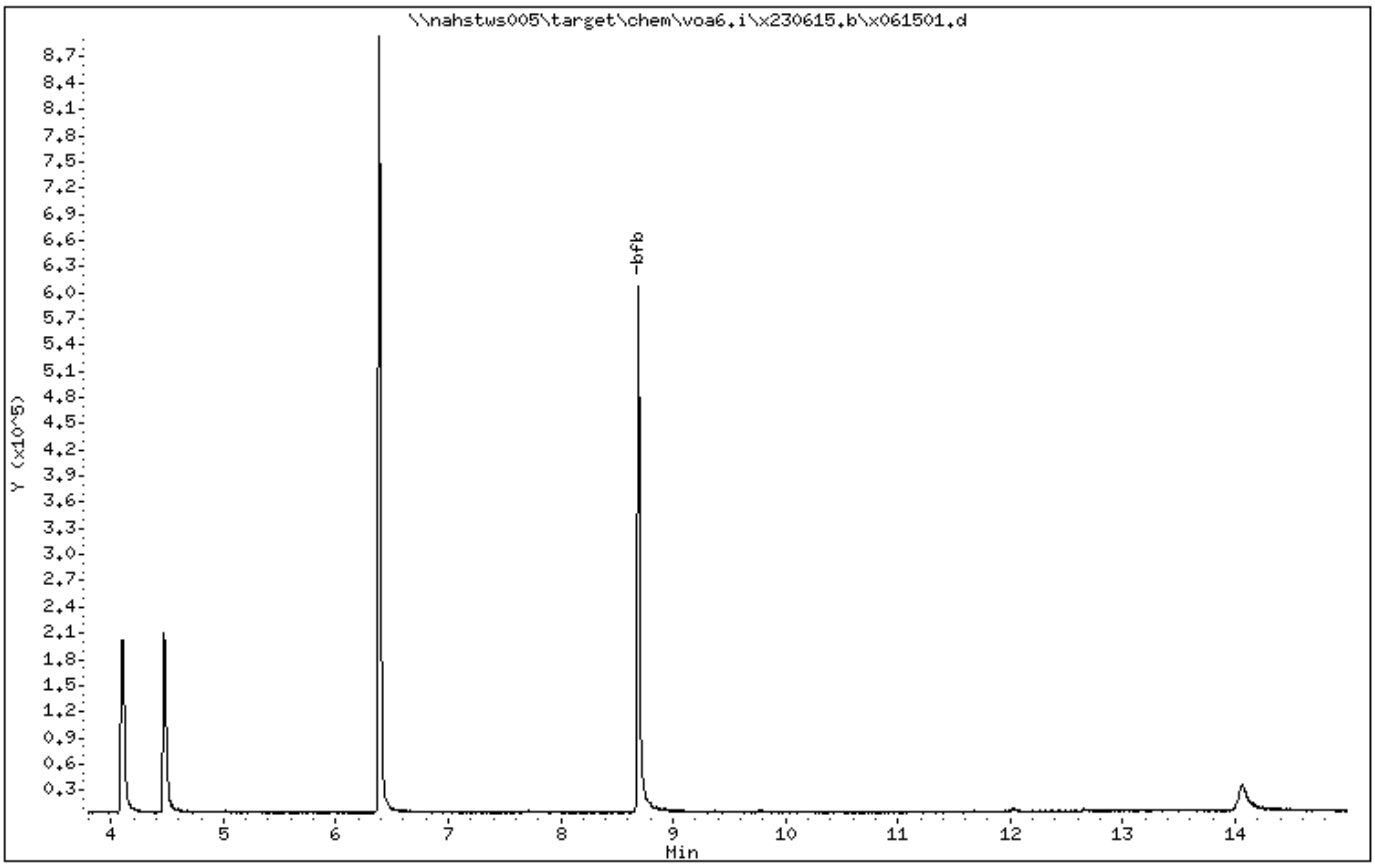
Date : 15-JUN-2023 10:54

Client ID: BFB Instrument: voa6.i

Sample Info: BFB;BFB;3;;BFB

Volume Injected (uL): 2.0 Operator: PC

Column phase: DB624 Column diameter: 0.25



Data File : \\nahstws005\target\chem\voa6.i\x230615.b\x061501.d
Inj Date : 15-JUN-2023 10:54
InstruID : voa6.i
LabSampID : BFB

NO MANUAL INTEGRATIONS

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061502.D Page 1
Report Date: 20-Jun-2023 18:25

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061502.D
Lab Smp Id: VSTD000.25 Client Smp ID: VSTD000.25
Inj Date : 15-JUN-2023 11:15
Operator : PC Inst ID: voa6.i
Smp Info : VSTD000.25;VSTD000.25;1;1;
Misc Info : V6;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\8260W.m
Meth Date : 20-Jun-2023 18:24 voa6.i Quant Type: ISTD
Cal Date : 15-JUN-2023 11:15 Cal File: X061502.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 00000_8260.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
*	1 Pentafluorobenzene	168	4.181	4.181	(1.000)	494932	50.0000	
	6 Bromomethane	94	1.343	1.344	(0.321)	1702	0.25000	0.57
	10 Acetone	43	1.977	1.973	(0.473)	3259	0.50000	2.26
	13 Acetonitrile	39	2.206	2.202	(0.528)	1535	2.50000	3.19(a)
	15 Iodomethane	142	2.029	2.030	(0.485)	1365	0.50000	2.53(T)
	17 Methylene Chloride	84	2.307	2.307	(0.552)	5303	0.25000	0.96
*	36 1,4-Difluorobenzene	114	4.965	4.965	(1.000)	766330	50.0000	
	42 1,2-Dichloropropane	63	5.441	5.437	(1.096)	1532	0.25000	0.29(a)
	43 2-Nitropropane	43	6.352	5.966	(1.519)	2352	0.25000	1.76(Ta)
	45 4-Methyl-2-Pentanone	43	6.352	6.322	(0.828)	2352	0.50000	0.52(a)
	46 cis-1,3-Dichloropropene	75	6.175	6.153	(1.244)	2487	0.25000	0.28(a)
*	47 Chlorobenzene-d5	117	7.667	7.668	(1.000)	699301	50.0000	
$	48 Toluene-d8	98	6.400	6.386	(0.835)	9354	0.25000	0.52(a)
	49 Ethyl Methacrylate	69	6.738	6.708	(1.357)	997	0.25000	0.18(a)
	50 Toluene	91	6.464	6.445	(0.843)	6514	0.25000	0.31(a)
	52 2-Hexanone	43	7.139	7.083	(0.931)	730	0.50000	0.24(Ta)
	53 1,1,2-Trichloroethane	83	6.843	6.835	(0.892)	1411	0.25000	0.35(a)
	54 1,3-Dichloropropane	76	6.993	6.978	(0.912)	3023	0.25000	0.37(a)
	55 Dibromochloromethane	129	7.184	7.173	(0.937)	1999	0.25000	0.35(a)
	56 Tetrachloroethene	164	6.940	6.925	(0.905)	1096	0.25000	0.25(a)
	57 1,2-Dibromoethane	107	7.281	7.259	(0.950)	1818	0.25000	0.35(a)

58 1-Chlorohexane	55	7.716	7.694 (1.554)	1009	0.25000	0.21(a)
59 Chlorobenzene	112	7.697	7.690 (1.004)	4842	0.25000	0.34(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
60	1,1,1,2-Tetrachloroethane	131	7.776	7.773	(1.014)	1838	0.25000	0.35(a)
61	Ethylbenzene	106	7.810	7.799	(1.019)	2138	0.25000	0.29(a)
62	m,p-Xylenes	106	7.922	7.900	(1.033)	4853	0.50000	0.54(a)
63	o-Xylene	106	8.260	8.237	(1.077)	2870	0.25000	0.32(a)
64	Styrene	104	8.301	8.256	(1.083)	4358	0.25000	0.29(a)
67	Isopropylbenzene	105	8.567	8.560	(1.117)	6739	0.25000	0.30(a)
$ 69	4-Bromofluorobenzene	95	8.710	8.687	(1.136)	6918	0.25000	0.48(a)
* 70	1,4-Dichlorobenzene-d4	152	9.662	9.658	(1.000)	377299	50.0000	
71	1,2,3-Trichloropropane	75	8.878	8.863	(0.919)	1462	0.25000	0.30(a)
73	n-Propylbenzene	91	8.927	8.908	(0.924)	7862	0.25000	0.31(a)
74	Bromobenzene	156	8.822	8.803	(0.913)	2206	0.25000	0.35(a)
75	1,3,5-Trimethylbenzene	105	9.077	9.066	(0.939)	5834	0.25000	0.32(a)
76	2-Chlorotoluene	91	8.991	8.972	(0.931)	6413	0.25000	0.40(a)
77	4-Chlorotoluene	91	9.103	9.070	(0.942)	6038	0.25000	0.34(a)
78	tert-Butylbenzene	119	9.336	9.336	(0.966)	4660	0.25000	0.30(a)
79	1,2,4-Trimethylbenzene	105	9.392	9.377	(0.972)	6265	0.25000	0.34(a)
81	sec-Butylbenzene	105	9.519	9.519	(0.985)	6772	0.25000	0.31(a)
82	p-Isopropyltoluene	119	9.658	9.647	(1.000)	5545	0.25000	0.29(a)
83	1,3-Dichlorobenzene	146	9.609	9.602	(0.995)	3815	0.25000	0.34(a)
84	1,4-Dichlorobenzene	146	9.688	9.681	(1.003)	4582	0.25000	0.39(a)
87	n-Butylbenzene	91	10.033	9.992	(1.038)	2862	0.25000	0.17(a)
88	1,2-Dichlorobenzene	146	10.014	9.992	(1.036)	2957	0.25000	0.27(a)
91	Hexachlorobutadiene	225	11.491	11.476	(1.189)	911	0.25000	0.26(a)
92	Naphthalene	128	11.607	11.540	(1.201)	3349	0.25000	0.19(a)
141	Cyclohexane	56	4.177	4.121	(0.999)	7819	0.25000	1.23(a)
147	Methylcyclohexane	55	5.377	5.381	(1.083)	1111	0.25000	0.10(a)
135	1,4-Dioxane	88	5.624	5.598	(1.345)	279	5.00000	4.65(aM)
136	n-Hexane	57	2.772	2.776	(0.663)	805	0.25000	(Ta)
139	Diethyl ether	59	1.767	1.760	(0.423)	1156	0.25000	0.37(a)
149	Isopropyl alcohol	45	2.104	2.093	(0.503)	1938	5.00000	6.90(T)
160	2-Methylnaphthalene	142	12.694	12.634	(1.314)	824	0.25000	0.11(a)
166	1,2,3-Trimethylbenzene	105	9.740	9.729	(1.008)	6314	0.25000	0.35(a)
174	tert-Amyl methyl ether	73	4.669	4.665	(1.117)	6862	0.25000	0.43(a)
175	tert-Butyl ethyl ether	59	3.379	3.379	(0.808)	5136	0.25000	0.33(a)
176	tert-Amyl alcohol	59	4.639	4.612	(1.109)	2691	5.00000	6.47
151	4-Methyl-2-pentanol	45	6.730	6.708	(1.356)	7887	5.00000	6.47
180	1-Methylnaphthalene	142	12.694	12.634	(1.314)	824	0.25000	(a)
140	1,3-Butadiene	54	1.167	1.167	(0.279)	1108	0.25000	0.27(a)
162	Butyl acrylate	55	8.323	8.249	(1.086)	733	0.25000	0.61(a)
164	Dicyclopentadiene	66	9.677	9.681	(1.002)	13171	0.25000	0.62(a)
M 94	1,2-Dichloroethylene (total)	96				2586	0.50000	(a)
134	Cyclohexanone	55	8.653	8.642	(0.896)	2230	5.00000	(a)
150	Allyl alcohol	57	2.772	2.772	(0.663)	805	5.00000	(a)
200	Dimethyl Disulfide	94	6.209	6.194	(0.810)	3528	0.25000	0.34(a)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

01225676

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061502.D

Page 1

Date : 15-JUN-2023 11:15

Client ID: VSTD000.25

Instrument: voa6.i

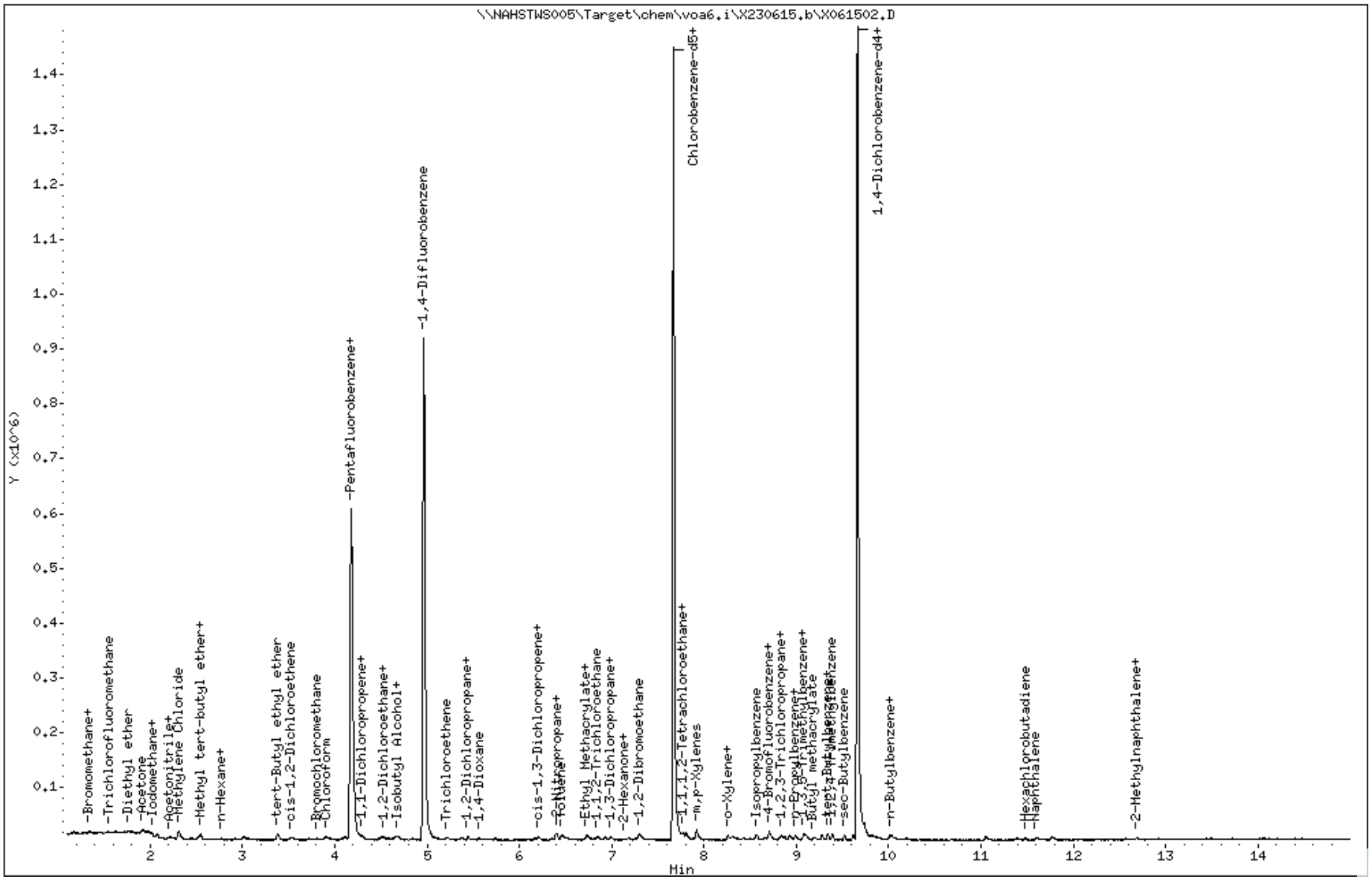
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Purge Volume: 5.0

Operator: PC

Column phase: DB624

Column diameter: 0.18



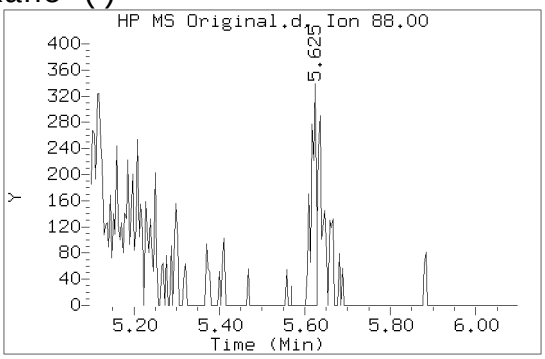
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Inj Date : 15-JUN-2023 11:15
InstruID : voa6.i
LabSampID : VSTD000.25

1,4-Dioxane ()

Reason Code:

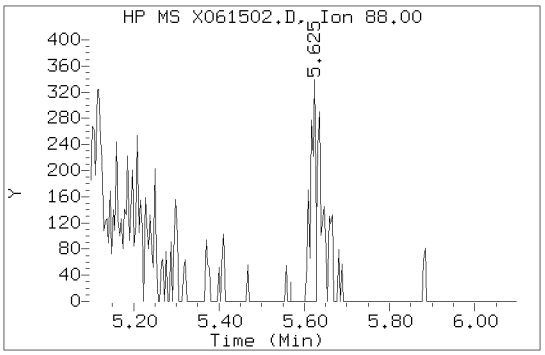
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20-Jun-2023
18:22
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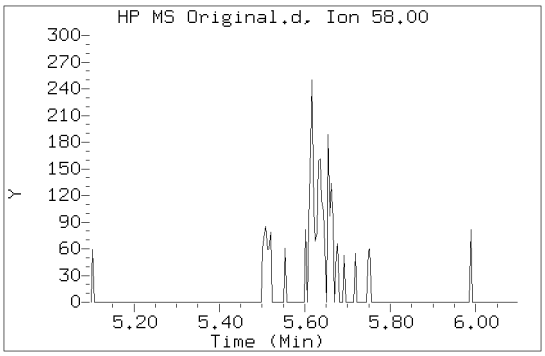
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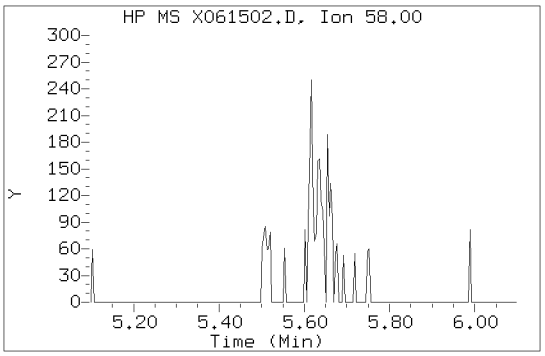
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AFTER

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20-Jun-2023
18:24
linh
pham



Data File: \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061503.D Page 1
Report Date: 20-Jun-2023 18:25

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Data file : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061503.D
Lab Smp Id: VSTD000.5 Client Smp ID: VSTD000.5
Inj Date : 15-JUN-2023 11:36
Operator : PC Inst ID: voa6.i
Smp Info : VSTD000.5;VSTD000.5;1;2;
Misc Info : V6;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\8260W.m
Meth Date : 20-Jun-2023 18:24 voa6.i Quant Type: ISTD
Cal Date : 15-JUN-2023 11:36 Cal File: X061503.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 00000_8260.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
* 1	Pentafluorobenzene	168	4.181	4.181	(1.000)	480661	50.0000	
2	Dichlorodifluoromethane	85	0.973	0.976	(0.233)	2615	0.50000	0.95(M)
3	Chloromethane	50	1.081	1.081	(0.259)	3301	0.50000	1.66(M)
4	Propionitrile	54	3.709	3.653	(0.887)	2622	5.00000	4.51(aM)
5	Vinyl Chloride	62	1.145	1.149	(0.274)	2917	0.50000	0.57(M)
6	Bromomethane	94	1.344	1.344	(0.321)	1612	0.50000	0.55(M)
7	Chloroethane	64	1.407	1.407	(0.337)	1789	0.50000	0.57(M)
8	Trichlorofluoromethane	101	1.561	1.565	(0.373)	3392	0.50000	0.56(M)
9	Acrolein	56	1.445	1.449	(0.346)	343	1.00000	1.15(aM)
11	1,1-Dichloroethene	96	1.917	1.917	(0.459)	2206	0.50000	0.58(M)
12	Isobutyl Alcohol	43	4.702	4.676	(1.125)	5465	10.0000	8.71(aM)
13	Acetonitrile	39	2.213	2.202	(0.529)	2269	5.00000	4.86(aM)
14	Allyl Chloride	41	2.217	2.202	(0.530)	5619	0.50000	0.53(a)
15	Iodomethane	142	2.026	2.030	(0.485)	2984	1.00000	2.79(TM)
16	Acrylonitrile	53	2.584	2.536	(0.618)	1586	1.00000	1.03(M)
17	Methylene Chloride	84	2.307	2.307	(0.552)	3169	0.50000	0.59(M)
18	Methyl tert-butyl ether	73	2.543	2.536	(0.608)	7284	0.50000	0.55
19	Carbon Disulfide	76	2.075	2.071	(0.496)	15259	1.00000	1.13(M)
20	trans-1,2-Dichloroethene	96	2.539	2.532	(0.607)	2631	0.50000	0.58
21	Vinyl Acetate	43	3.046	2.997	(0.728)	11055	1.00000	0.91(aM)
22	1,1-Dichloroethane	63	2.926	2.922	(0.700)	4641	0.50000	0.57(M)

23 Chloroprene	53	1.775	1.775 (0.425)	937	0.50000	0.58(aM)
24 2-Butanone	43	3.683	3.578 (0.881)	1517	1.00000	0.95(aM)

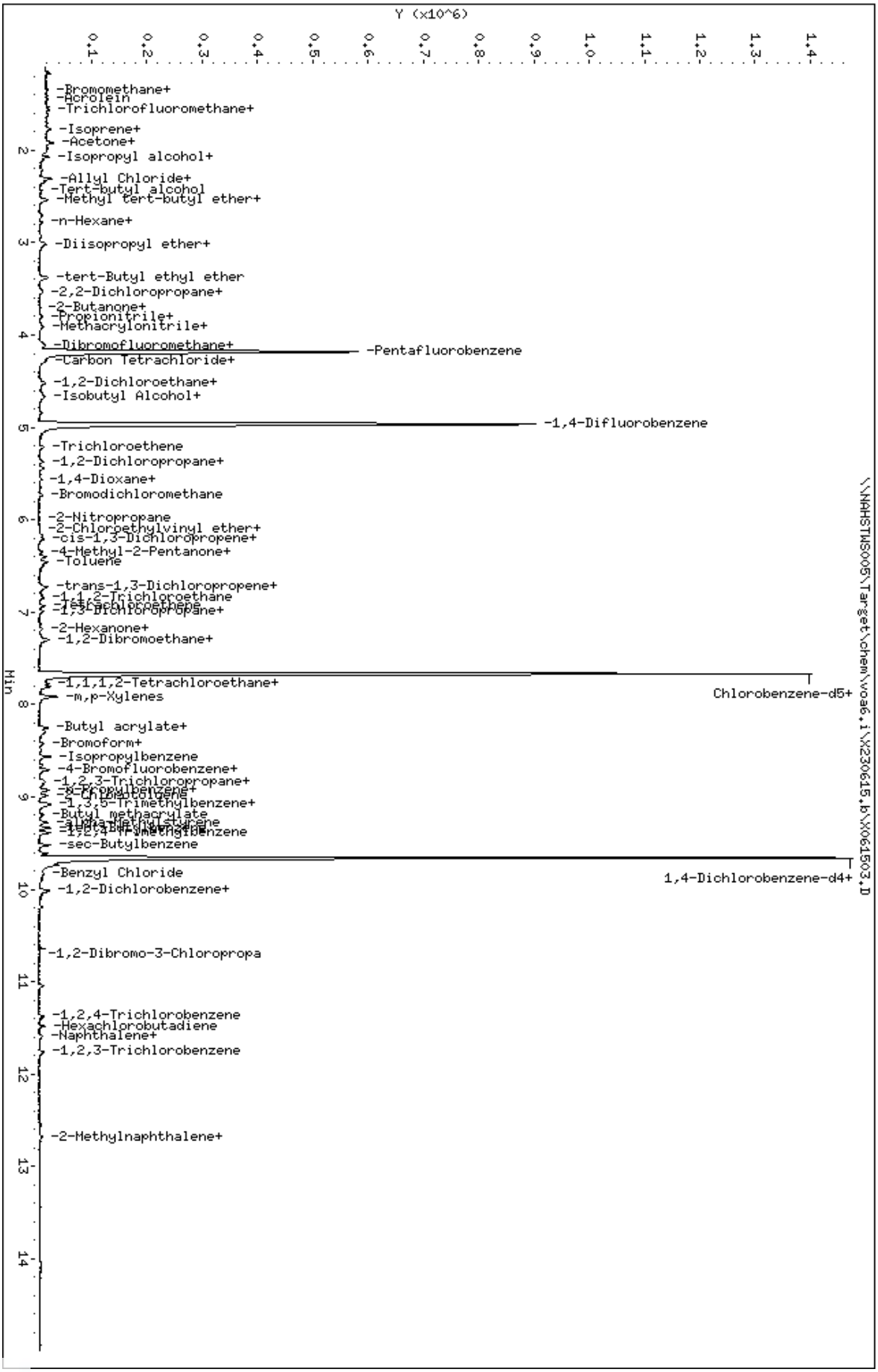
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
25	Methacrylonitrile	41	3.870	3.821	(0.926)	2167	0.50000	0.54(aM)
26	2,2-Dichloropropane	77	3.514	3.514	(0.840)	4078	0.50000	0.63(M)
27	cis-1,2-Dichloroethene	96	3.537	3.525	(0.846)	3046	0.50000	0.58(M)
28	Chloroform	83	3.908	3.904	(0.935)	5129	0.50000	0.58(M)
29	Bromochloromethane	128	3.807	3.795	(0.910)	1516	0.50000	0.54(M)
31	1,1,1-Trichloroethane	97	4.076	4.084	(0.975)	4137	0.50000	0.58
32	1,1-Dichloropropene	75	4.283	4.279	(0.863)	3575	0.50000	0.57(M)
33	1,2-Dichloroethane	62	4.582	4.556	(0.923)	3689	0.50000	0.59
34	Carbon Tetrachloride	117	4.268	4.264	(0.860)	3561	0.50000	0.59
* 36	1,4-Difluorobenzene	114	4.965	4.965	(1.000)	737190	50.0000	
37	Benzene	78	4.519	4.511	(0.910)	10562	0.50000	0.55(M)
38	Trichloroethene	130	5.220	5.205	(1.051)	2866	0.50000	0.54(a)
39	Bromodichloromethane	83	5.726	5.722	(1.153)	3787	0.50000	0.56(aM)
40	Methyl Methacrylate	41	5.643	5.606	(1.350)	1972	0.50000	0.52(aM)
41	2-Chloroethylvinyl ether	63	6.093	6.048	(1.227)	1563	1.00000	0.86(aM)
42	1,2-Dichloropropane	63	5.445	5.437	(1.097)	2801	0.50000	0.56(aM)
43	2-Nitropropane	43	5.977	5.966	(1.429)	747	0.50000	0.57(aM)
44	Dibromomethane	93	5.568	5.550	(1.122)	1589	0.50000	0.50(aM)
45	4-Methyl-2-Pentanone	43	6.348	6.322	(0.828)	4230	1.00000	0.95(a)
46	cis-1,3-Dichloropropene	75	6.161	6.153	(1.241)	4543	0.50000	0.54(a)
* 47	Chlorobenzene-d5	117	7.668	7.668	(1.000)	687572	50.0000	
$ 48	Toluene-d8	98	6.401	6.386	(0.835)	9971	0.50000	0.57(a)
49	Ethyl Methacrylate	69	6.727	6.708	(1.355)	2688	0.50000	0.50(aM)
50	Toluene	91	6.461	6.445	(0.843)	11582	0.50000	0.57(aM)
51	trans-1,3-Dichloropropene	75	6.708	6.678	(1.351)	3492	0.50000	0.50(a)
52	2-Hexanone	43	7.117	7.083	(0.928)	2386	1.00000	0.80(a)
53	1,1,2-Trichloroethane	83	6.843	6.835	(0.892)	2237	0.50000	0.56(aM)
54	1,3-Dichloropropane	76	6.989	6.978	(0.912)	4459	0.50000	0.56(aM)
55	Dibromochloromethane	129	7.184	7.173	(0.937)	3103	0.50000	0.55(a)
56	Tetrachloroethene	164	6.929	6.925	(0.904)	2291	0.50000	0.55(aM)
57	1,2-Dibromoethane	107	7.274	7.259	(0.949)	2925	0.50000	0.58(a)
58	1-Chlorohexane	55	7.705	7.694	(1.552)	2351	0.50000	0.52(aM)
59	Chlorobenzene	112	7.694	7.690	(1.003)	8017	0.50000	0.58(aM)
60	1,1,1,2-Tetrachloroethane	131	7.773	7.773	(1.014)	2861	0.50000	0.55(a)
61	Ethylbenzene	106	7.806	7.799	(1.018)	3993	0.50000	0.56(a)
62	m,p-Xylenes	106	7.915	7.900	(1.032)	9595	1.00000	1.09(aM)
63	o-Xylene	106	8.252	8.237	(1.076)	4730	0.50000	0.54(aM)
64	Styrene	104	8.297	8.256	(1.082)	7646	0.50000	0.53(aM)
66	Bromoform	173	8.417	8.410	(1.098)	2211	0.50000	0.56(Ta)
67	Isopropylbenzene	105	8.567	8.560	(1.117)	12451	0.50000	0.57(a)
68	1,1,2,2-Tetrachloroethane	83	8.841	8.837	(0.915)	3818	0.50000	0.57(aM)
$ 69	4-Bromofluorobenzene	95	8.706	8.687	(1.135)	7971	0.50000	0.66(a)
* 70	1,4-Dichlorobenzene-d4	152	9.662	9.658	(1.000)	376739	50.0000	
71	1,2,3-Trichloropropane	75	8.878	8.863	(0.919)	2689	0.50000	0.56(a)
72	trans-1,4-Dichloro-2-butene	53	8.935	8.886	(1.165)	838	0.50000	0.50(aM)
73	n-Propylbenzene	91	8.927	8.908	(0.924)	14359	0.50000	0.57(a)
74	Bromobenzene	156	8.826	8.803	(0.913)	3535	0.50000	0.57(aM)
75	1,3,5-Trimethylbenzene	105	9.073	9.066	(0.939)	10589	0.50000	0.58(aM)
76	2-Chlorotoluene	91	8.983	8.972	(0.930)	8949	0.50000	0.56(aM)
77	4-Chlorotoluene	91	9.092	9.070	(0.941)	10012	0.50000	0.57(aM)
78	tert-Butylbenzene	119	9.336	9.336	(0.966)	8719	0.50000	0.57(aM)
79	1,2,4-Trimethylbenzene	105	9.388	9.377	(0.972)	10657	0.50000	0.58(aM)

81 sec-Butylbenzene	105	9.519	9.519 (0.985)	12512	0.50000	0.58(aM)
82 p-Isopropyltoluene	119	9.658	9.647 (1.000)	10432	0.50000	0.55(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
83	1,3-Dichlorobenzene	146	9.613	9.602	(0.995)	6249	0.50000	0.57(a)
84	1,4-Dichlorobenzene	146	9.681	9.681	(1.002)	6645	0.50000	0.56(a)
86	Benzyl Chloride	91	9.834	9.808	(1.283)	6300	0.50000	0.55(aM)
87	n-Butylbenzene	91	10.018	9.992	(1.037)	8377	0.50000	0.52(aM)
88	1,2-Dichlorobenzene	146	10.011	9.992	(1.036)	6205	0.50000	0.57(a)
89	1,2-Dibromo-3-Chloropropane	155	10.689	10.655	(1.106)	562	0.50000	0.77(aM)
90	1,2,4-Trichlorobenzene	180	11.371	11.334	(1.177)	3888	0.50000	0.51(a)
91	Hexachlorobutadiene	225	11.480	11.476	(1.188)	1714	0.50000	0.50(a)
92	Naphthalene	128	11.596	11.540	(1.200)	9500	0.50000	0.55(aM)
93	1,2,3-Trichlorobenzene	180	11.769	11.739	(1.218)	3790	0.50000	0.54(a)
146	Methyl acetate	43	2.255	2.232	(0.539)	1514	0.50000	0.53(aM)
138	Freon TF	101	1.917	1.917	(0.459)	2188	0.50000	0.67(aM)
141	Cyclohexane	56	4.129	4.121	(0.987)	3419	0.50000	0.55(aMH)
142	Tetrahydrofuran	42	3.874	3.844	(0.926)	724	1.00000	1.03(aM)
147	Methylcyclohexane	55	5.373	5.381	(1.082)	4698	0.50000	0.45(aM)
135	1,4-Dioxane	88	5.621	5.598	(1.344)	539	10.0000	9.25(aM)
132	n-Butanol	56	5.373	5.253	(1.285)	934	10.0000	72.06(TaM)
131	Methyl Acrylate	55	3.784	3.690	(0.905)	1944	0.50000	0.49(aM)
133	Ethyl Acrylate	55	5.448	5.381	(1.303)	4696	0.50000	2.77(M)
136	n-Hexane	57	2.779	2.776	(0.665)	2120	0.50000	0.26(TaM)
139	Diethyl ether	59	1.764	1.760	(0.422)	1591	0.50000	0.52(aM)
148	Tert-butyl alcohol	59	2.435	2.431	(0.582)	5403	10.0000	10.94(M)
149	Isopropyl alcohol	45	2.101	2.093	(0.502)	2910	10.0000	10.68
156	Diisopropyl ether	45	3.012	3.000	(0.720)	8201	0.50000	0.57(Ta)
160	2-Methylnaphthalene	142	12.668	12.634	(1.311)	3514	0.50000	0.47(a)
166	1,2,3-Trimethylbenzene	105	9.741	9.729	(1.008)	9163	0.50000	0.51(a)
167	Ethanol	45	1.700	1.707	(0.407)	492	10.0000	10.70(M)
172	tert-Butyl formate	59	4.635	4.612	(1.108)	3776	1.00000	0.95(aM)
173	3,3-Dimethyl-1-butanol	57	7.293	7.285	(0.951)	6294	10.0000	11.19(M)
174	tert-Amyl methyl ether	73	4.669	4.665	(1.117)	8758	0.50000	0.56(aM)
175	tert-Butyl ethyl ether	59	3.383	3.379	(0.809)	8683	0.50000	0.59(a)
176	tert-Amyl alcohol	59	4.635	4.612	(1.108)	4487	10.0000	11.11(M)
151	4-Methyl-2-pentanol	45	6.727	6.708	(1.355)	12489	10.0000	10.65
180	1-Methylnaphthalene	142	12.668	12.634	(1.311)	3514	0.50000	(a)
140	1,3-Butadiene	54	1.167	1.167	(0.279)	2248	0.50000	0.56(aM)
152	Amyl alcohol	42	7.015	6.899	(0.915)	1185	10.0000	9.25(TM)
158	Dichlorofluoromethane	67	1.535	1.535	(0.367)	4041	0.50000	0.58(M)
161	3-Methyl-1-butanol	55	7.004	6.899	(0.913)	1270	10.0000	44.67(TM)
162	Butyl acrylate	55	8.297	8.249	(1.082)	1843	0.50000	0.72(a)
164	Dicyclopentadiene	66	9.681	9.681	(1.002)	12411	0.50000	0.58(aM)
182	Epichlorohydrin	57	6.127	6.093	(1.234)	1097	2.00000	2.48(aM)
M 94	1,2-Dichloroethylene (total)	96				5677	1.00000	(a)
130	Ethyl Acetate	43	3.717	3.657	(0.889)	2678	0.50000	0.54(aM)
134	Cyclohexanone	55	8.657	8.642	(0.896)	2832	10.0000	0.47(a)
185	Isoprene	39	1.779	1.775	(0.425)	790	0.50000	0.60(a)
188	Isopropyl acetate	43	4.702	4.676	(0.947)	7126	0.50000	0.55(aM)
187	n-Amyl acetate	43	8.489	8.451	(1.107)	4951	0.50000	0.53(aM)
189	n-Butyl acetate	43	7.244	7.210	(0.945)	3227	0.50000	0.43(aM)
150	Allyl alcohol	57	2.779	2.772	(0.665)	2756	10.0000	7.04(M)
195	Methyl Amyl Ketone	43	8.425	8.380	(1.099)	4519	0.50000	0.44(aM)
200	Dimethyl Disulfide	94	6.209	6.194	(0.810)	5577	0.50000	0.54(a)
205	2-Ethylhexyl Acrylate	55	11.615	11.544	(1.202)	2087	0.50000	1.56(aM)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.



Data File: \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061503.D
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Client ID: VSTD000.5
Sample Info: VSTD000.5;VSTD000.5;1;2;
Purge Volume: 5.0
Column phase: DB624

Instrument: voa6.i
Operator: PC
Column diameter: 0.18

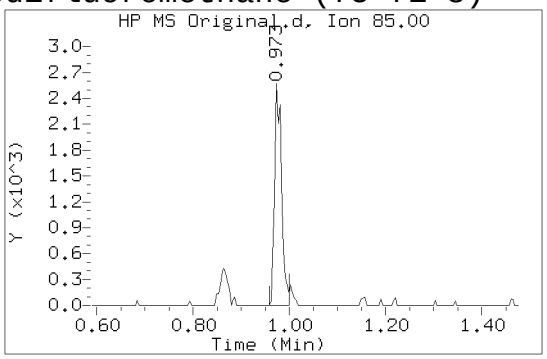
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Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

Dichlorodifluoromethane (75-71-8)

Reason Code:

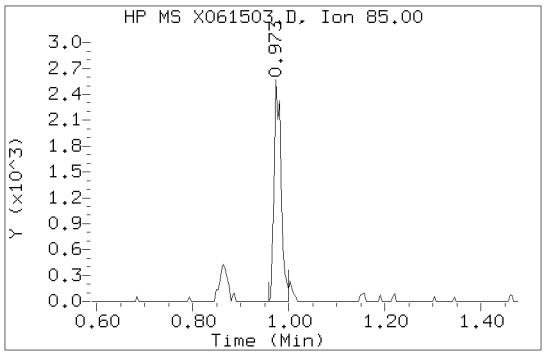
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HEIGHT
2570
20-Jun-2023
18:22
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pham



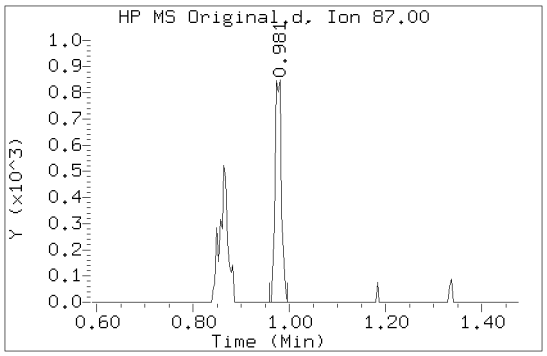
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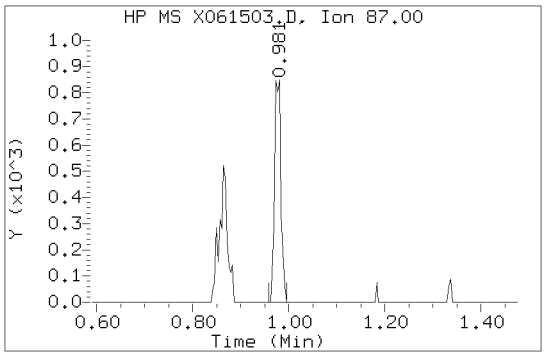
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AFTER

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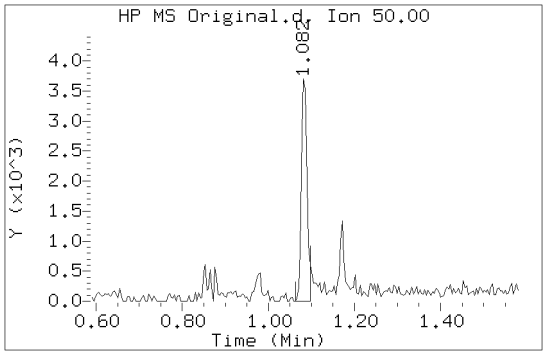


Chloromethane (74-87-3)

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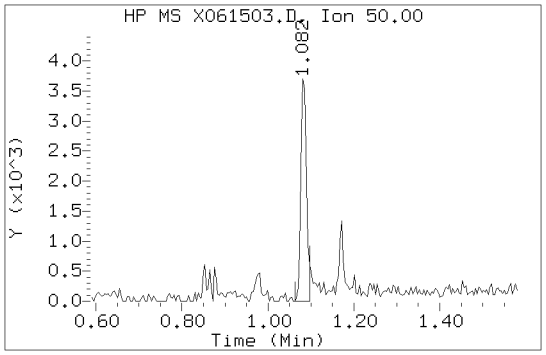
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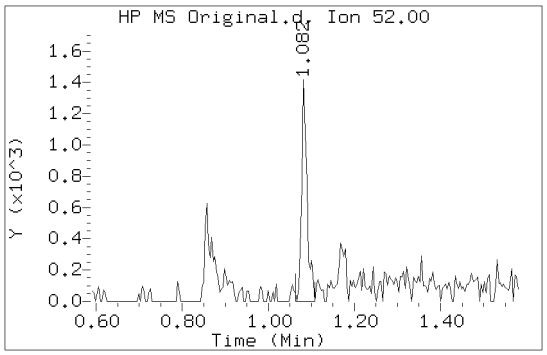
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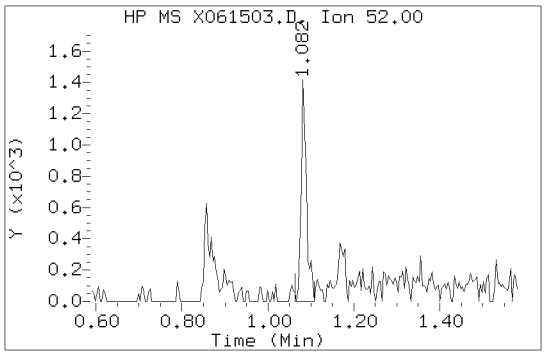
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AFTER

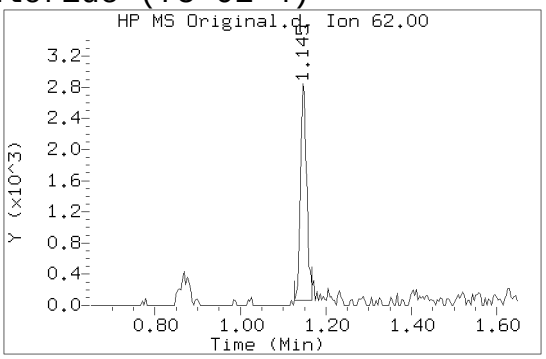
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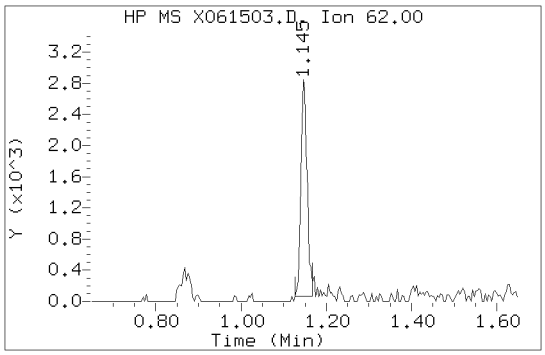
Vinyl Chloride (75-01-4)

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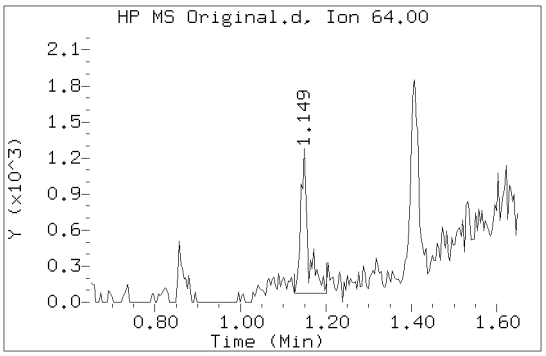


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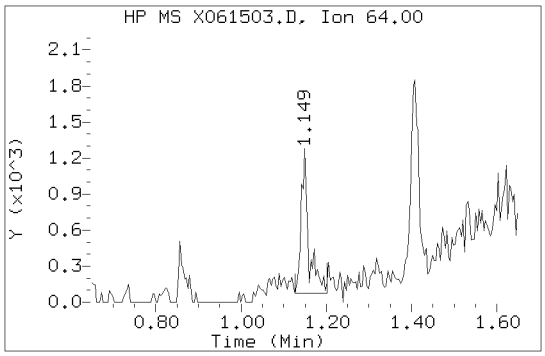
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BEFORE
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20-Jun-2023
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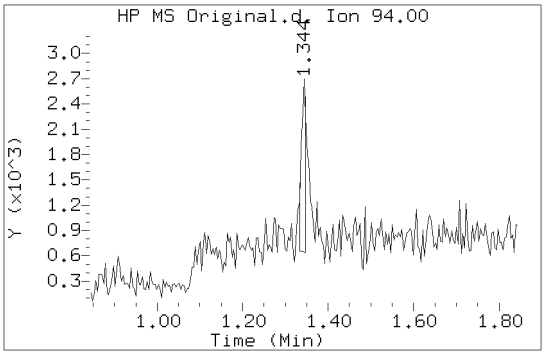


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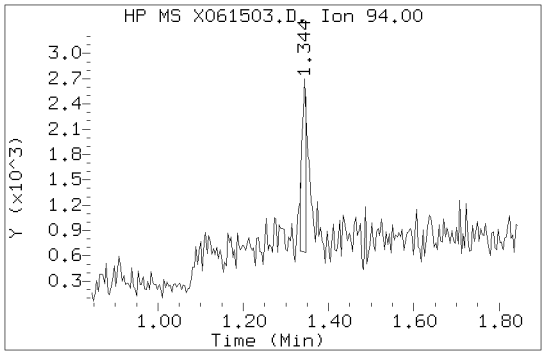
Bromomethane (74-83-9)

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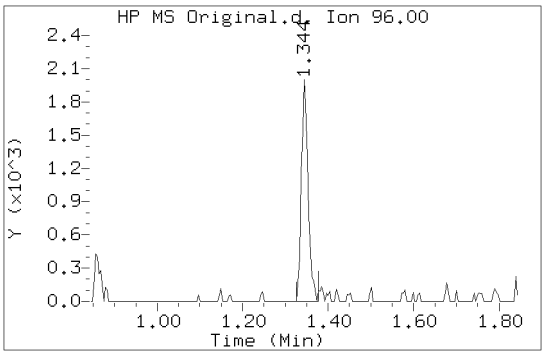


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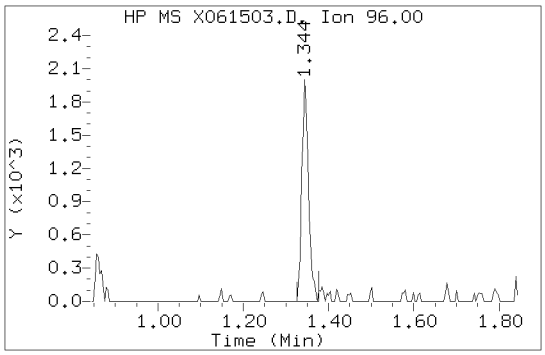
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BEFORE
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2285
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2001
20-Jun-2023
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AFTER
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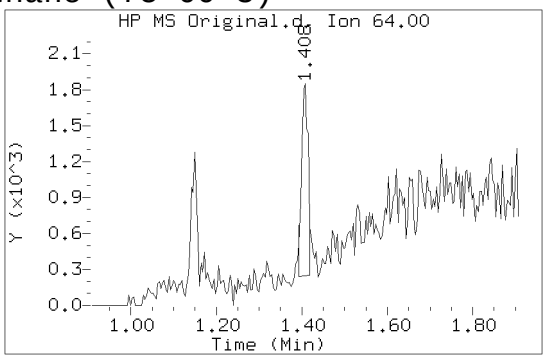


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LabSampID : VSTD000.5

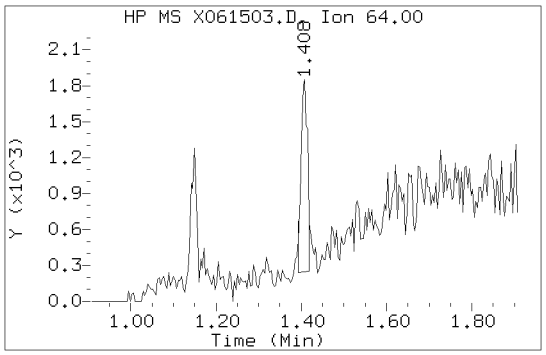
Chloroethane (75-00-3)

Reason Code:

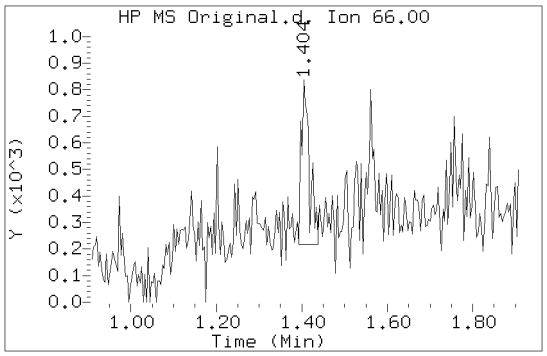
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20-Jun-2023
18:22
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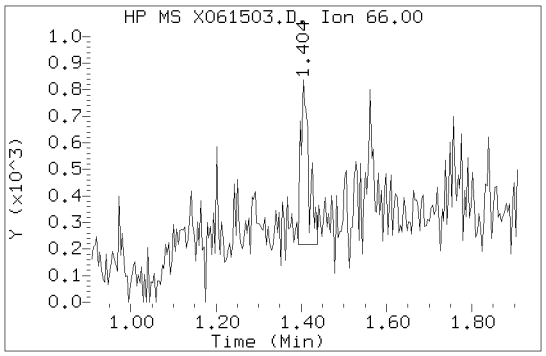
AFTER
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BEFORE
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20-Jun-2023
18:22
linh
pham



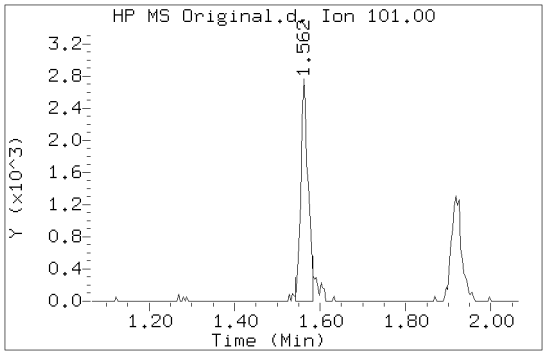
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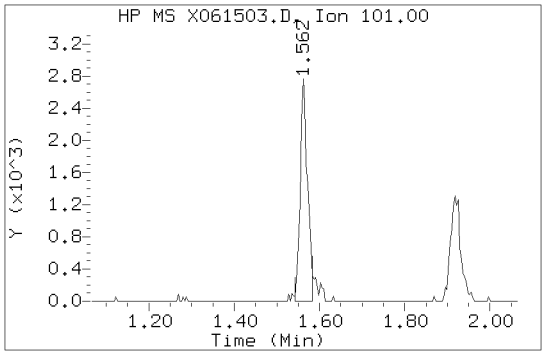
Trichlorofluoromethane (75-69-4)

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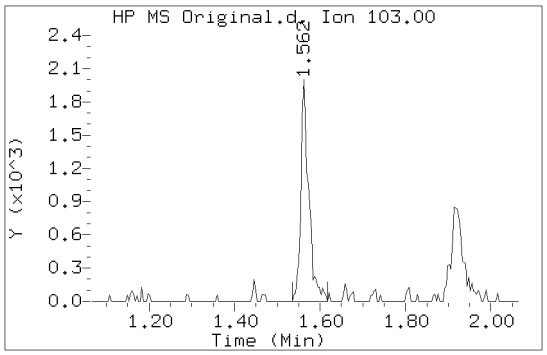
BEFORE
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20-Jun-2023
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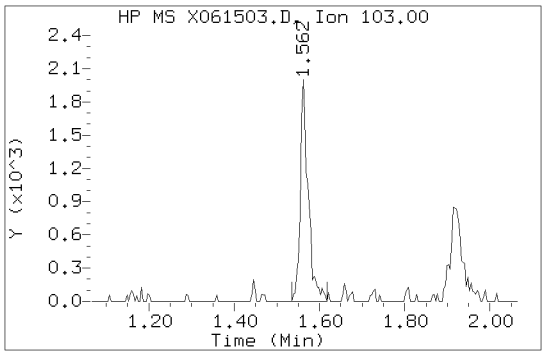
AFTER
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BEFORE
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2654
HEIGHT
2001
20-Jun-2023
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AFTER
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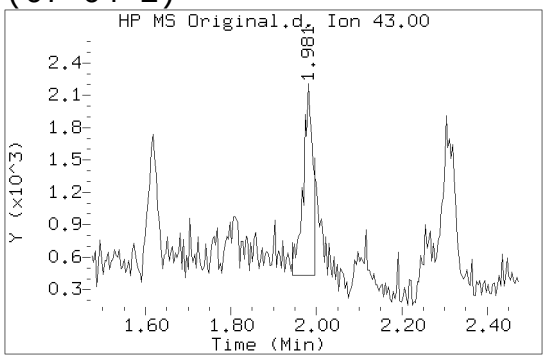


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InstruID : voa6.i
LabSampID : VSTD000.5

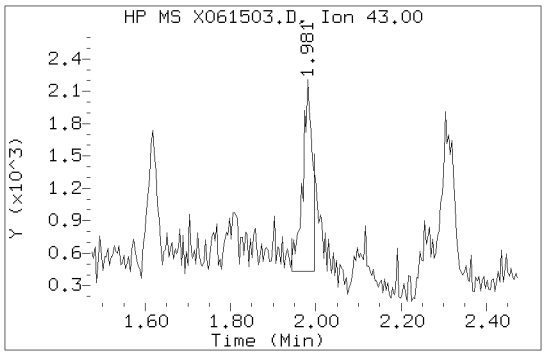
Acetone (67-64-1)

Reason Code:

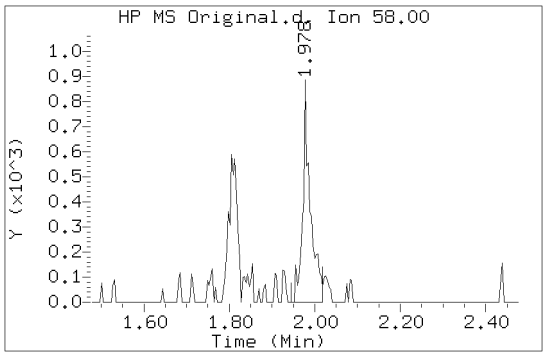
BEFORE
MASS
43
AREA
2789
HEIGHT
1772
20-Jun-2023
18:22
linh
pham



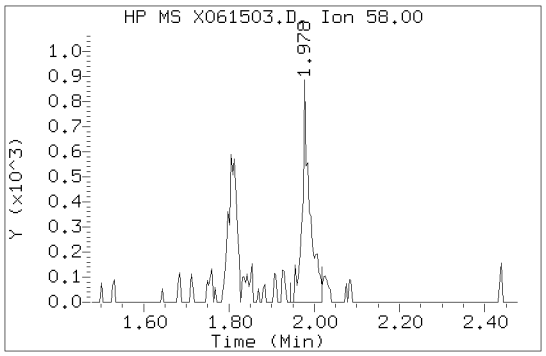
AFTER
MASS
43
AREA
2789
HEIGHT
1772
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
58
AREA
1118
HEIGHT
886
20-Jun-2023
18:22
linh
pham



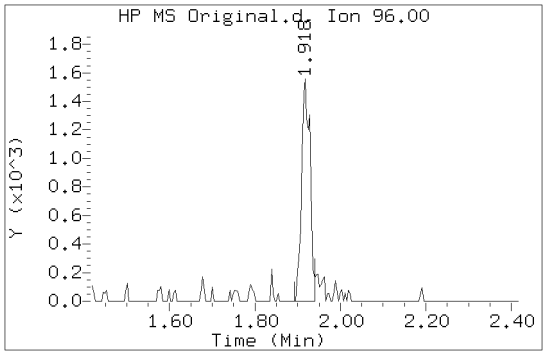
AFTER
MASS
58
AREA
1118
HEIGHT
886
20-Jun-2023
18:22
linh
pham



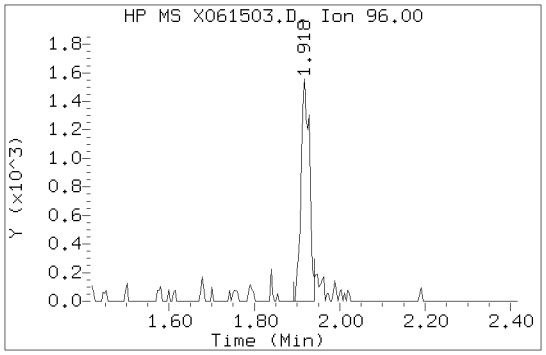
1,1-Dichloroethene (75-35-4)

Reason Code:

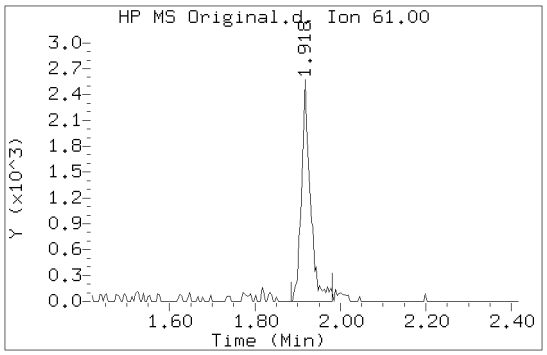
BEFORE
MASS
96
AREA
2206
HEIGHT
1557
20-Jun-2023
18:22
linh
pham



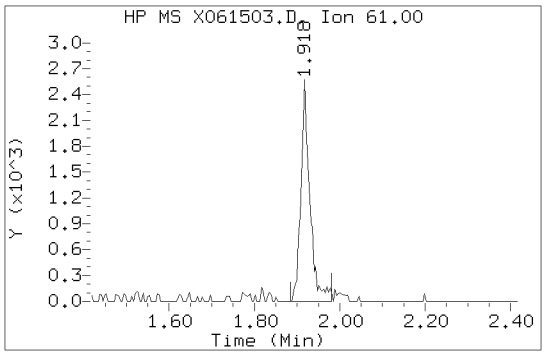
AFTER
MASS
96
AREA
2206
HEIGHT
1557
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
61
AREA
3870
HEIGHT
2572
20-Jun-2023
18:22
linh
pham



AFTER
MASS
61
AREA
3870
HEIGHT
2572
20-Jun-2023
18:22
linh
pham



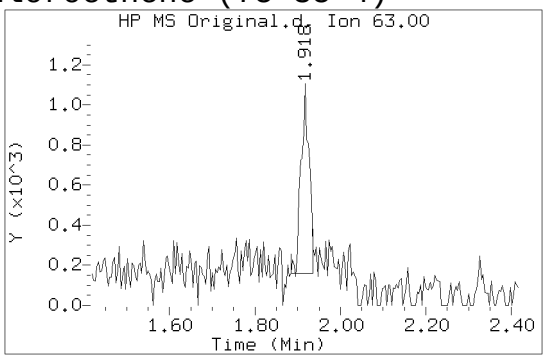
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Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

1,1-Dichloroethene (75-35-4)

Reason Code:

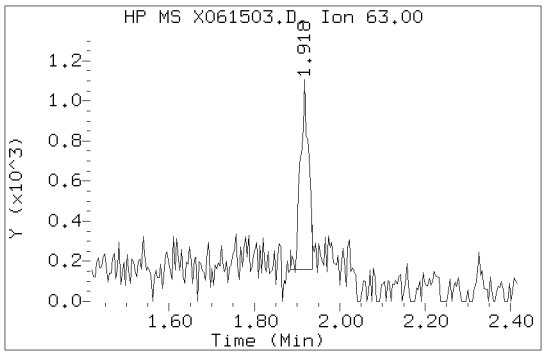
BEFORE

MASS
63
AREA
1295
HEIGHT
947
20-Jun-2023
18:22
linh
pham



AFTER

MASS
63
AREA
1295
HEIGHT
947
20-Jun-2023
18:22
linh
pham

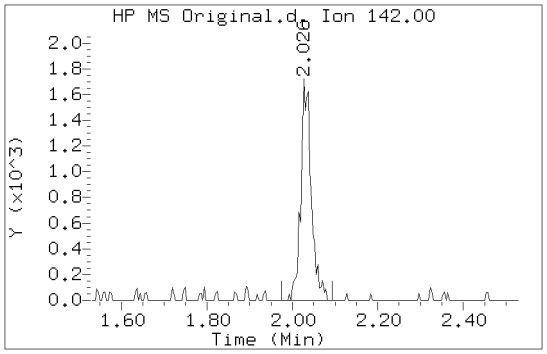


Iodomethane (74-88-4)

Reason Code:

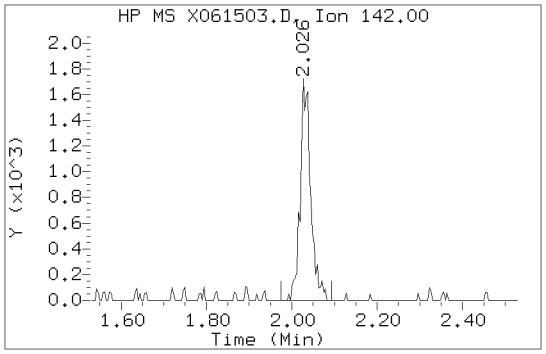
BEFORE

MASS
142
AREA
2984
HEIGHT
1723
20-Jun-2023
18:22
linh
pham



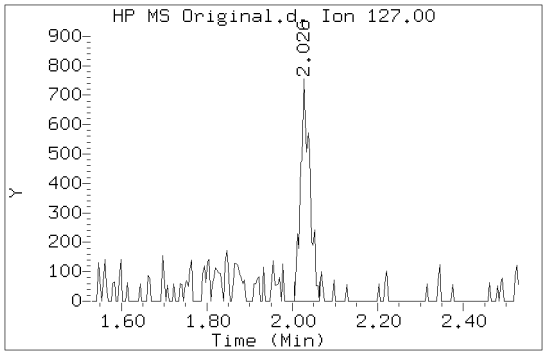
AFTER

MASS
142
AREA
2984
HEIGHT
1723
20-Jun-2023
18:22
linh
pham



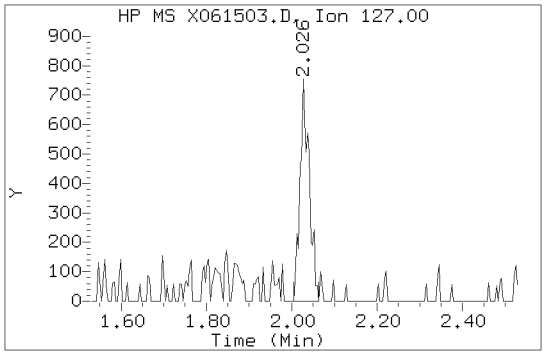
BEFORE

MASS
127
AREA
1150
HEIGHT
755
20-Jun-2023
18:22
linh
pham



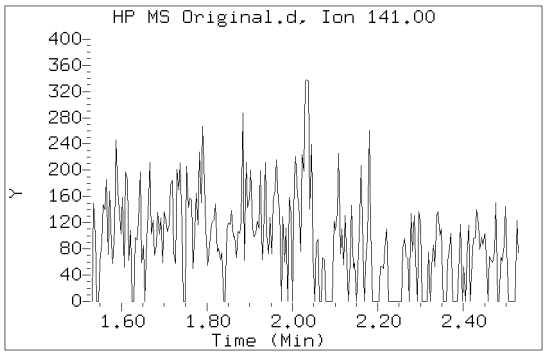
AFTER

MASS
127
AREA
1150
HEIGHT
755
20-Jun-2023
18:22
linh
pham



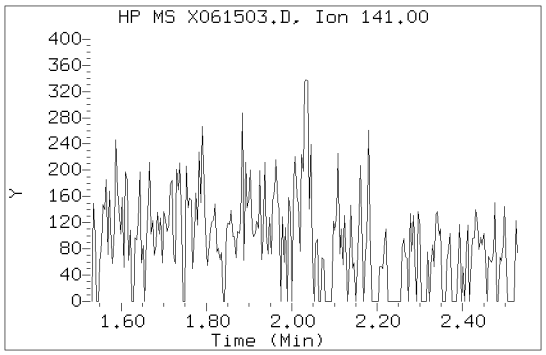
BEFORE

MASS
141
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



AFTER

MASS
141
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



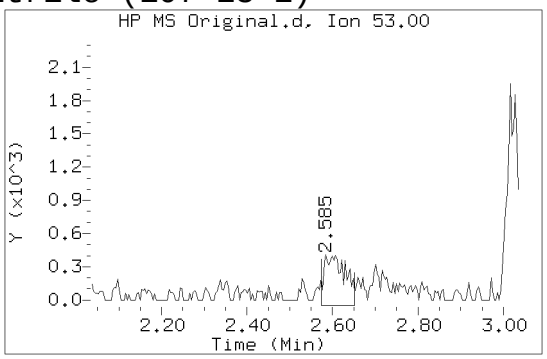
Data File : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061503.D
Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

Acrylonitrile (107-13-1)

Reason Code:

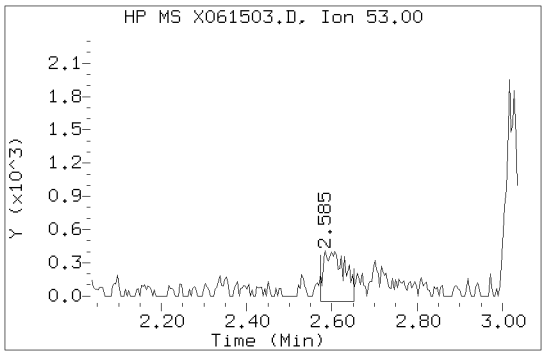
BEFORE

MASS
53
AREA
1586
HEIGHT
459
20-Jun-2023
18:22
linh
pham



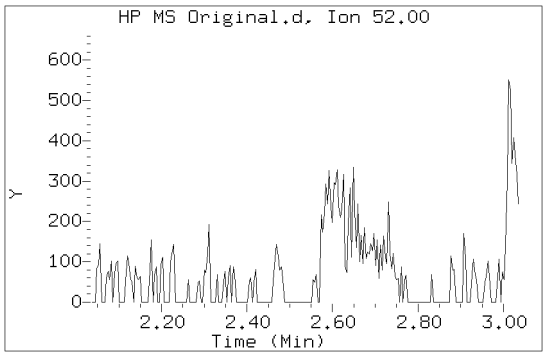
AFTER

MASS
53
AREA
1586
HEIGHT
459
20-Jun-2023
18:22
linh
pham



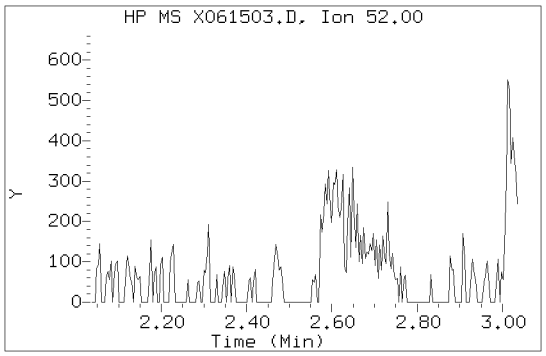
BEFORE

MASS
52
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



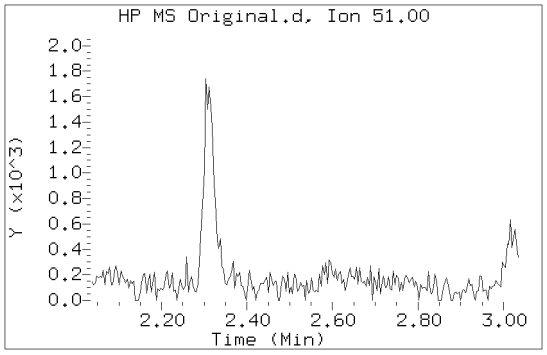
AFTER

MASS
52
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



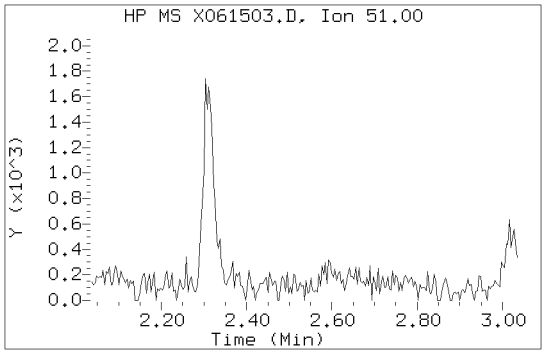
BEFORE

MASS
51
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



AFTER

MASS
51
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham

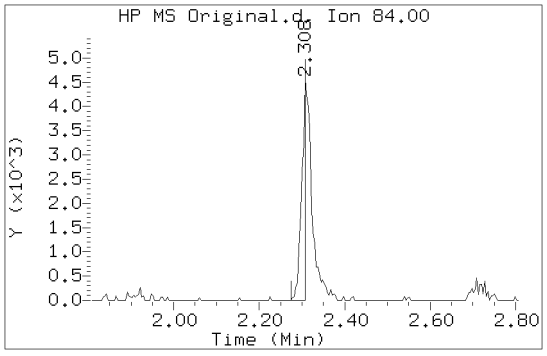


Methylene Chloride (75-09-2)

Reason Code:

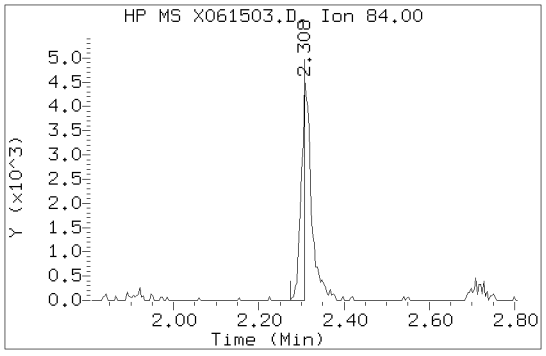
BEFORE

MASS
84
AREA
3169
HEIGHT
4572
20-Jun-2023
18:22
linh
pham



AFTER

MASS
84
AREA
3169
HEIGHT
4572
20-Jun-2023
18:22
linh
pham

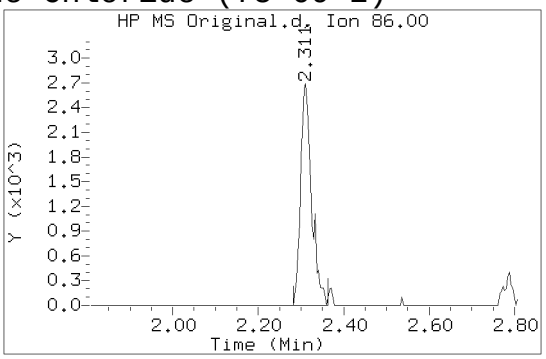


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Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

Methylene Chloride (75-09-2)

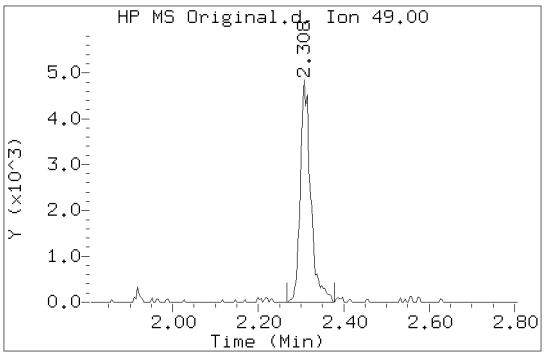
BEFORE

MASS
86
AREA
4937
HEIGHT
2690
20-Jun-2023
18:22
linh
pham



BEFORE

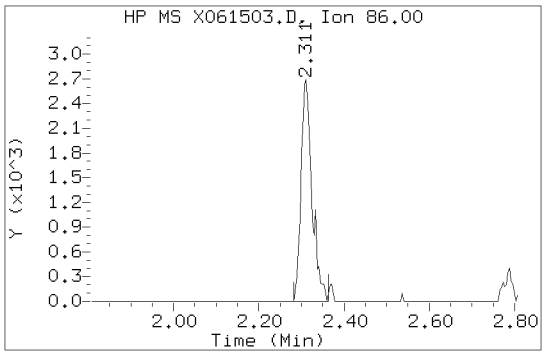
MASS
49
AREA
8445
HEIGHT
4847
20-Jun-2023
18:22
linh
pham



Reason Code:

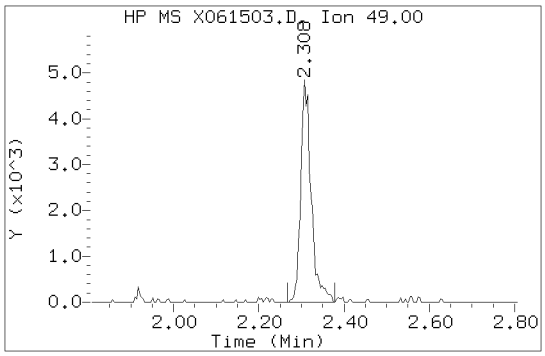
AFTER

MASS
86
AREA
4937
HEIGHT
2690
20-Jun-2023
18:22
linh
pham



AFTER

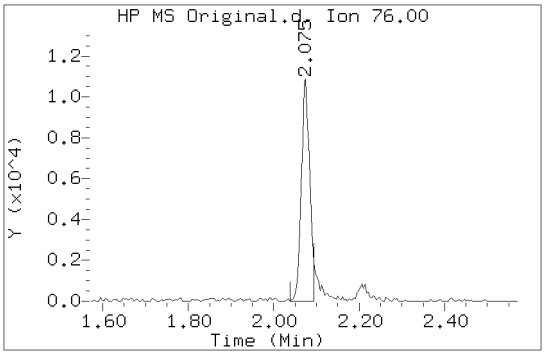
MASS
49
AREA
8445
HEIGHT
4847
20-Jun-2023
18:22
linh
pham



Carbon Disulfide (75-15-0)

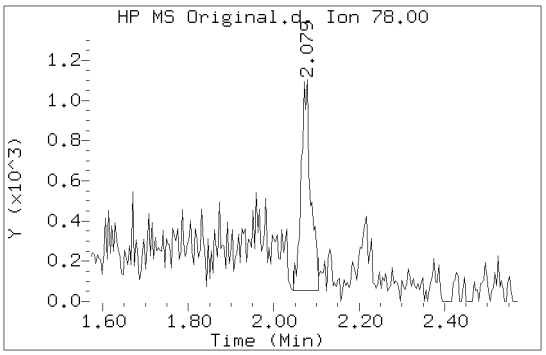
BEFORE

MASS
76
AREA
15259
HEIGHT
10881
20-Jun-2023
18:22
linh
pham



BEFORE

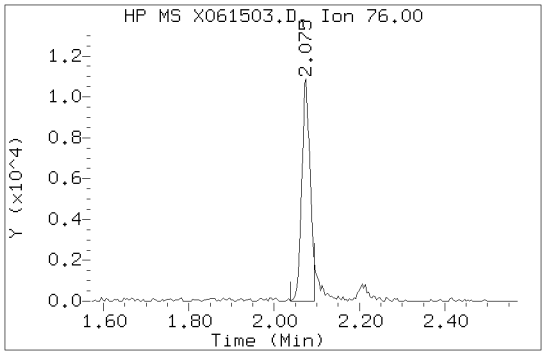
MASS
78
AREA
1652
HEIGHT
1049
20-Jun-2023
18:22
linh
pham



Reason Code:

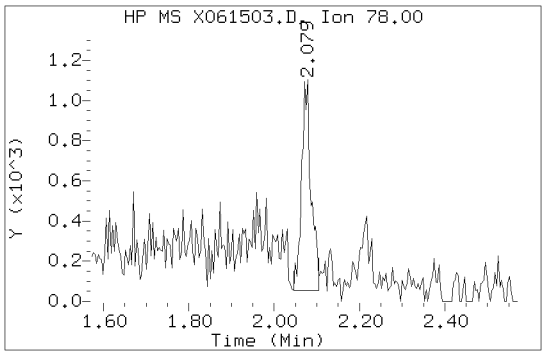
AFTER

MASS
76
AREA
15259
HEIGHT
10881
20-Jun-2023
18:22
linh
pham



AFTER

MASS
78
AREA
1652
HEIGHT
1049
20-Jun-2023
18:22
linh
pham

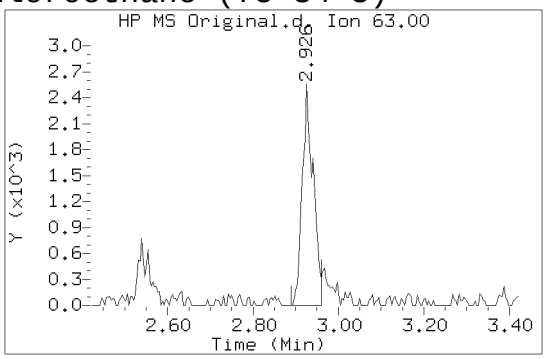


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Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

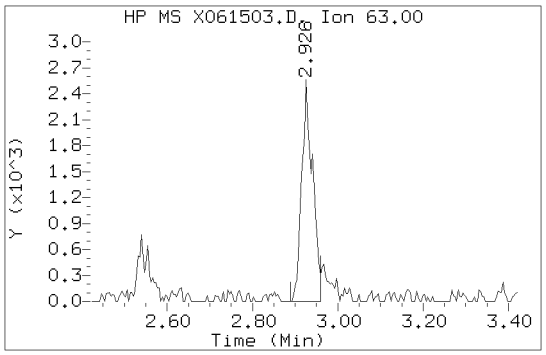
1,1-Dichloroethane (75-34-3)

Reason Code:

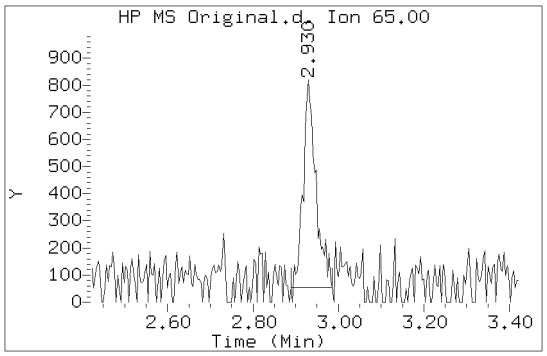
BEFORE
MASS
63
AREA
4641
HEIGHT
2564
20-Jun-2023
18:22
linh
pham



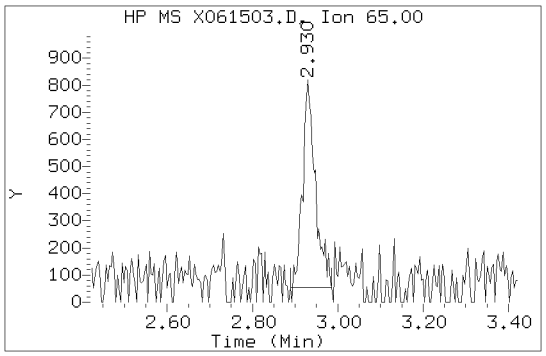
AFTER
MASS
63
AREA
4641
HEIGHT
2564
20-Jun-2023
18:22
linh
pham



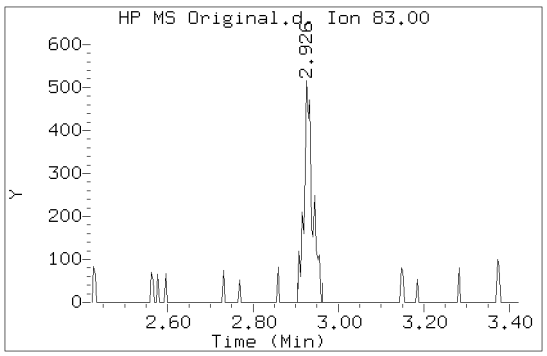
BEFORE
MASS
65
AREA
1597
HEIGHT
766
20-Jun-2023
18:22
linh
pham



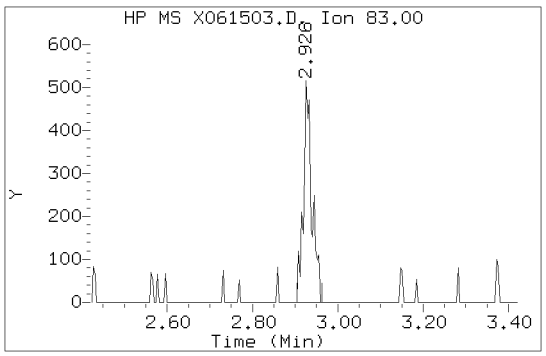
AFTER
MASS
65
AREA
1597
HEIGHT
766
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
83
AREA
714
HEIGHT
516
20-Jun-2023
18:22
linh
pham



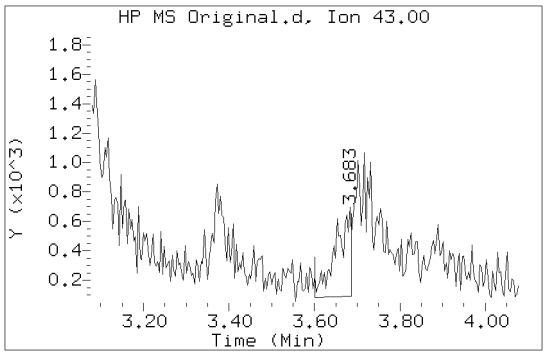
AFTER
MASS
83
AREA
714
HEIGHT
516
20-Jun-2023
18:22
linh
pham



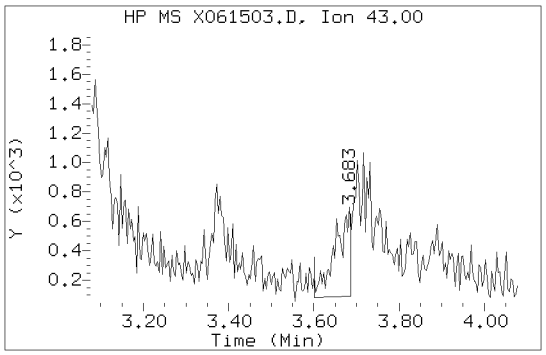
2-Butanone (78-93-3)

Reason Code:

BEFORE
MASS
43
AREA
1517
HEIGHT
606
20-Jun-2023
18:22
linh
pham



AFTER
MASS
43
AREA
1517
HEIGHT
606
20-Jun-2023
18:22
linh
pham



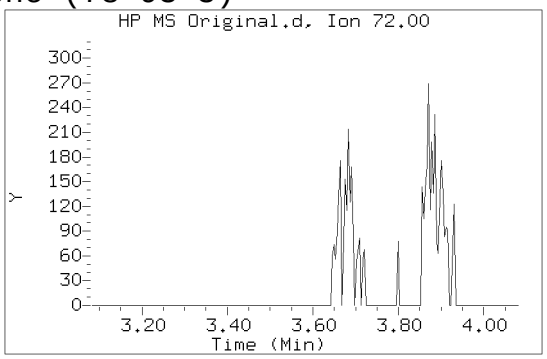
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Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

2-Butanone (78-93-3)

Reason Code:

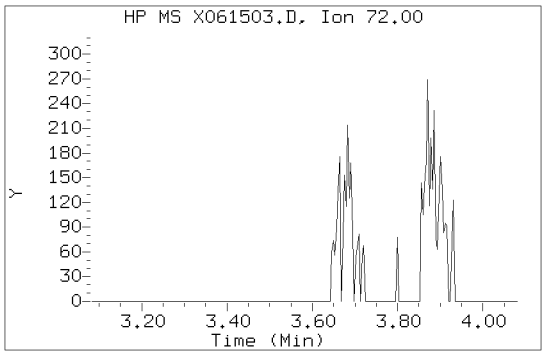
BEFORE

MASS
72
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



AFTER

MASS
72
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham

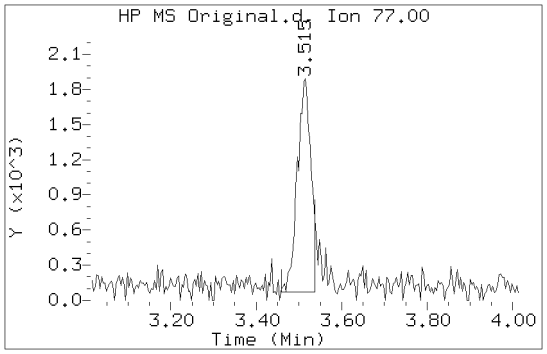


2,2-Dichloropropane (594-20-7)

Reason Code:

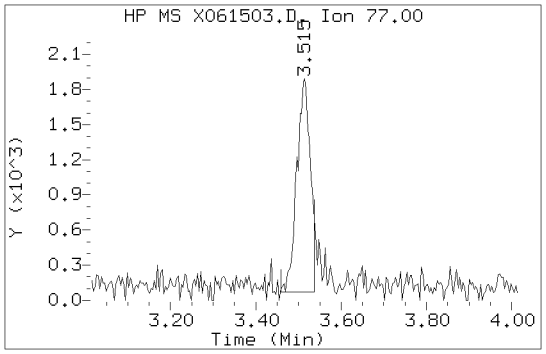
BEFORE

MASS
77
AREA
4078
HEIGHT
1819
20-Jun-2023
18:22
linh
pham



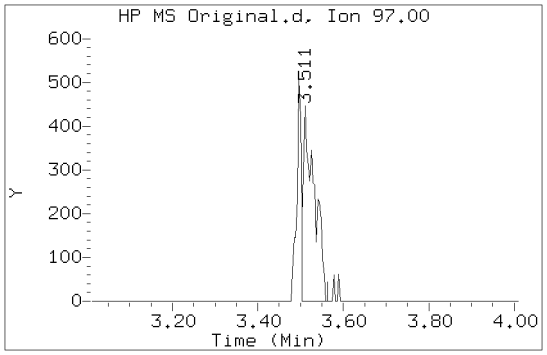
AFTER

MASS
77
AREA
4078
HEIGHT
1819
20-Jun-2023
18:22
linh
pham



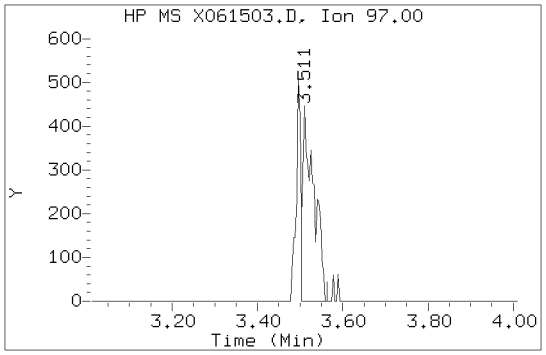
BEFORE

MASS
97
AREA
839
HEIGHT
446
20-Jun-2023
18:22
linh
pham



AFTER

MASS
97
AREA
839
HEIGHT
446
20-Jun-2023
18:22
linh
pham

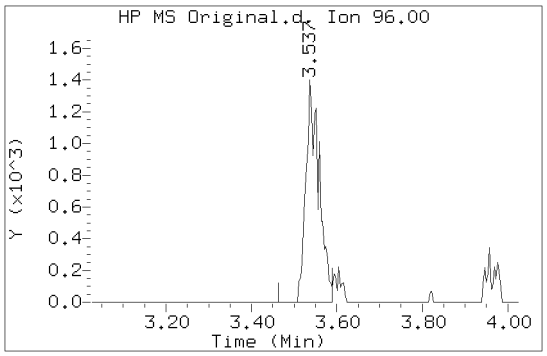


cis-1,2-Dichloroethene (156-59-2)

Reason Code:

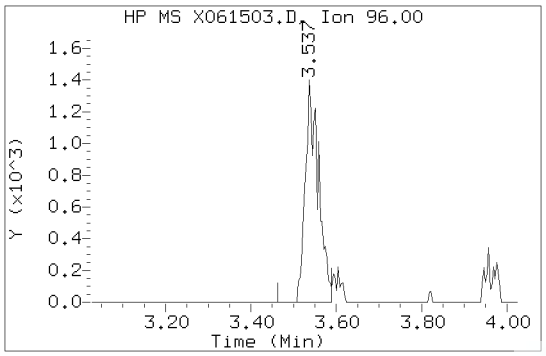
BEFORE

MASS
96
AREA
3046
HEIGHT
1401
20-Jun-2023
18:22
linh
pham



AFTER

MASS
96
AREA
3046
HEIGHT
1401
20-Jun-2023
18:22
linh
pham



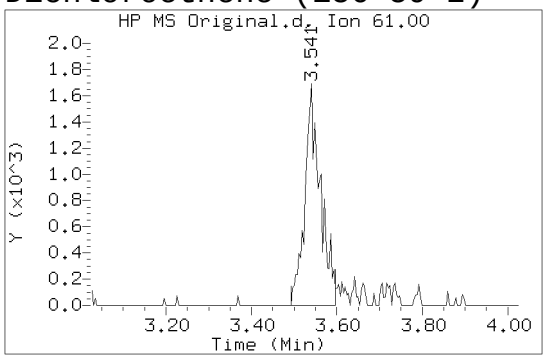
Data File : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061503.D
Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

cis-1,2-Dichloroethene (156-59-2)

Reason Code:

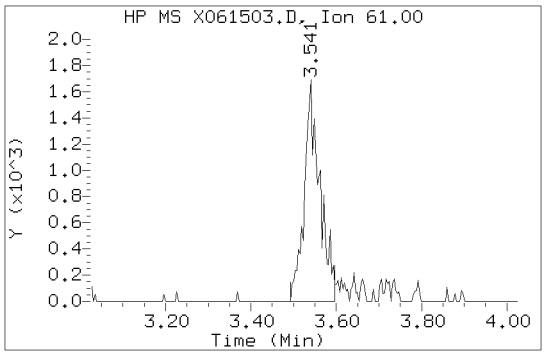
BEFORE

MASS
61
AREA
4277
HEIGHT
1692
20-Jun-2023
18:22
linh
pham



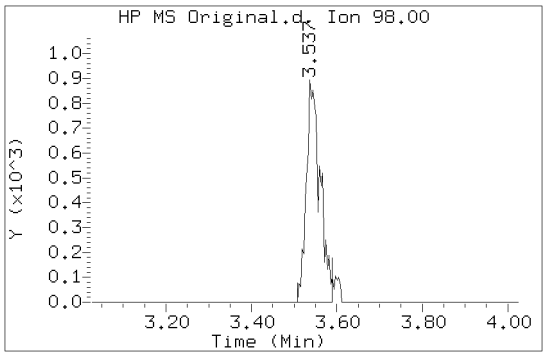
AFTER

MASS
61
AREA
4277
HEIGHT
1692
20-Jun-2023
18:22
linh
pham



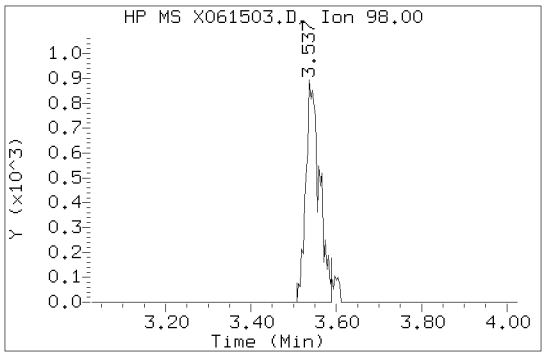
BEFORE

MASS
98
AREA
2016
HEIGHT
894
20-Jun-2023
18:22
linh
pham



AFTER

MASS
98
AREA
2016
HEIGHT
894
20-Jun-2023
18:22
linh
pham

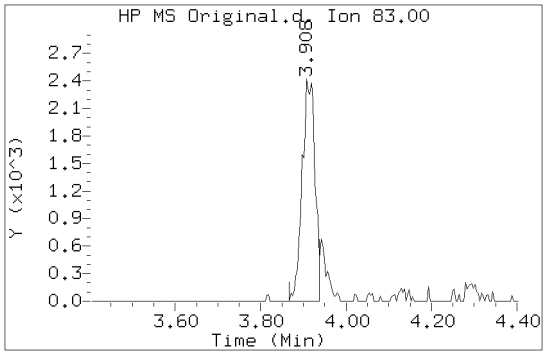


Chloroform (67-66-3)

Reason Code:

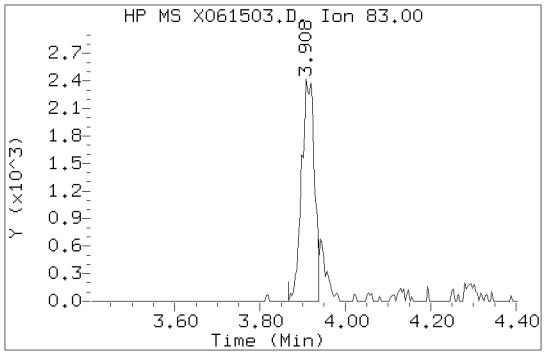
BEFORE

MASS
83
AREA
5129
HEIGHT
2422
20-Jun-2023
18:22
linh
pham



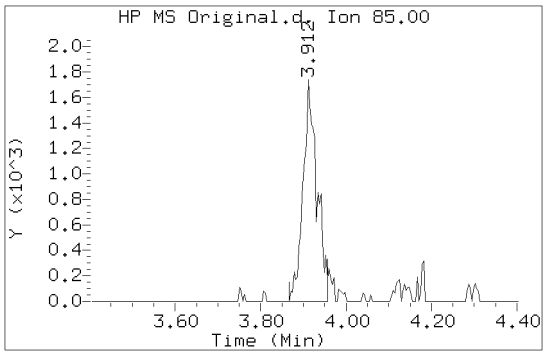
AFTER

MASS
83
AREA
5129
HEIGHT
2422
20-Jun-2023
18:22
linh
pham



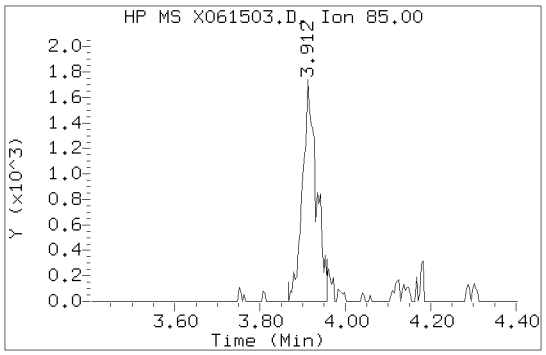
BEFORE

MASS
85
AREA
3961
HEIGHT
1740
20-Jun-2023
18:22
linh
pham



AFTER

MASS
85
AREA
3961
HEIGHT
1740
20-Jun-2023
18:22
linh
pham



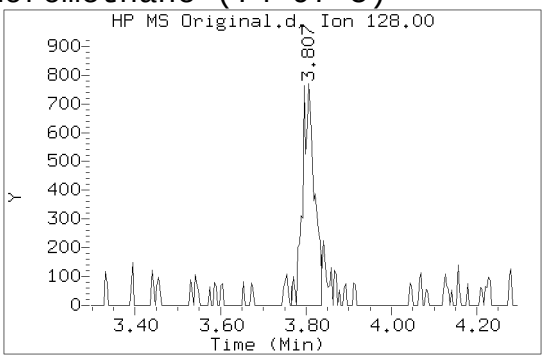
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Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

Bromochloromethane (74-97-5)

Reason Code:

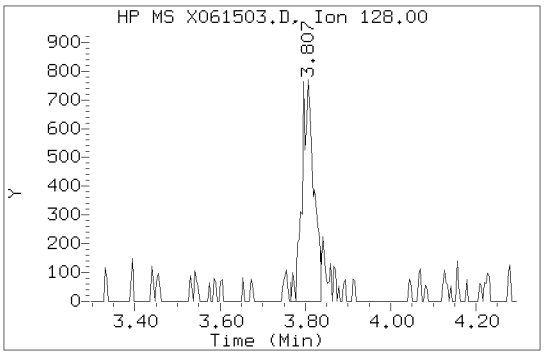
BEFORE

MASS
128
AREA
1516
HEIGHT
770
20-Jun-2023
18:22
linh
pham



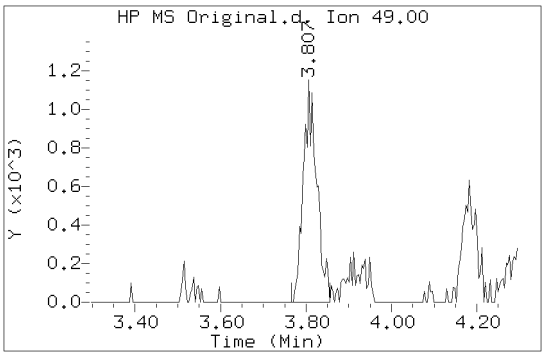
AFTER

MASS
128
AREA
1516
HEIGHT
770
20-Jun-2023
18:22
linh
pham



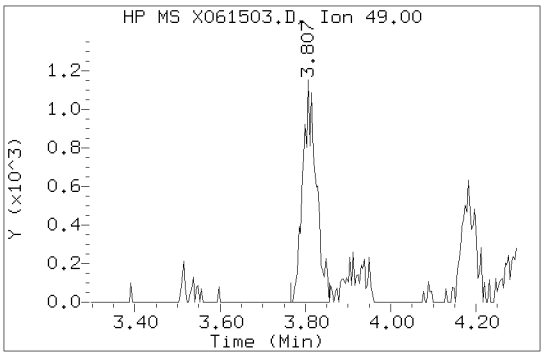
BEFORE

MASS
49
AREA
2523
HEIGHT
1153
20-Jun-2023
18:22
linh
pham



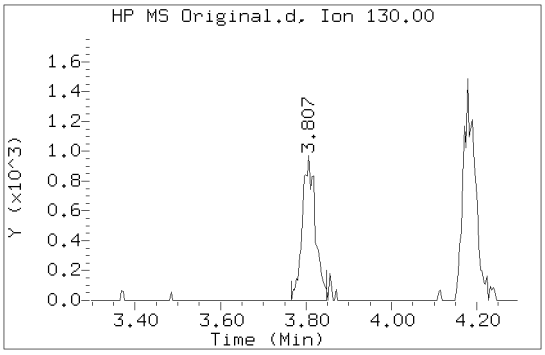
AFTER

MASS
49
AREA
2523
HEIGHT
1153
20-Jun-2023
18:22
linh
pham



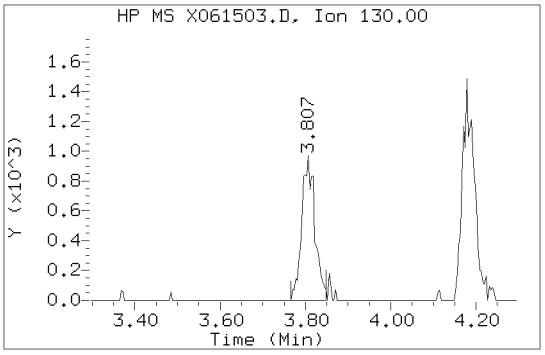
BEFORE

MASS
130
AREA
2109
HEIGHT
971
20-Jun-2023
18:22
linh
pham



AFTER

MASS
130
AREA
2109
HEIGHT
971
20-Jun-2023
18:22
linh
pham

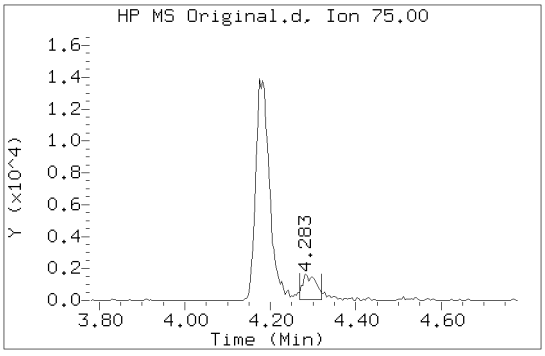


1,1-Dichloropropene (563-58-6)

Reason Code:

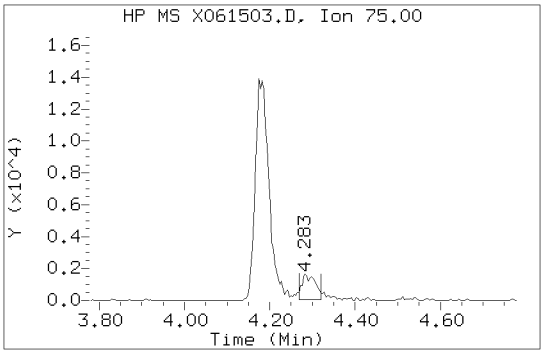
BEFORE

MASS
75
AREA
3575
HEIGHT
1615
20-Jun-2023
18:22
linh
pham



AFTER

MASS
75
AREA
3575
HEIGHT
1615
20-Jun-2023
18:22
linh
pham

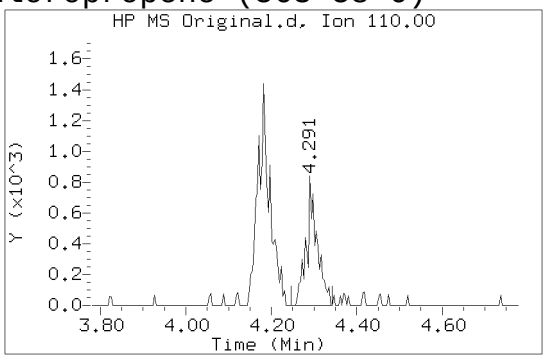


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Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

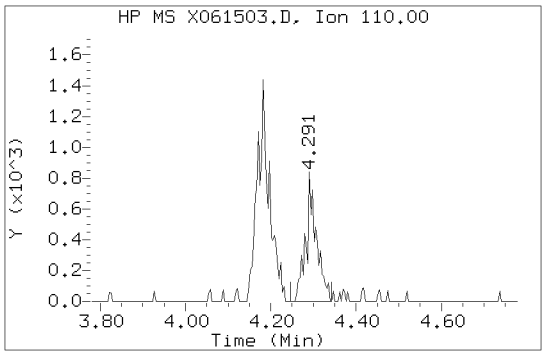
1,1-Dichloropropene (563-58-6)

Reason Code:

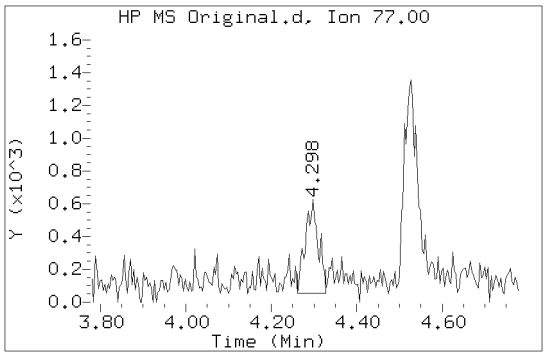
BEFORE
MASS
110
AREA
1455
HEIGHT
841
20-Jun-2023
18:22
linh
pham



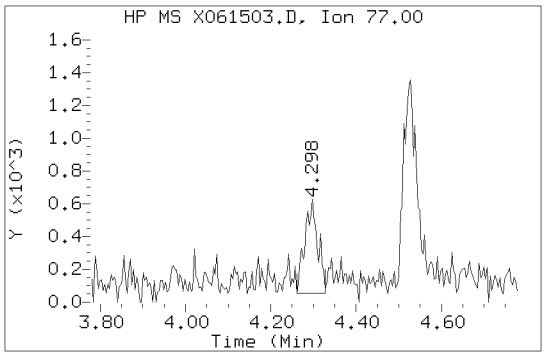
AFTER
MASS
110
AREA
1455
HEIGHT
841
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
77
AREA
1207
HEIGHT
572
20-Jun-2023
18:22
linh
pham



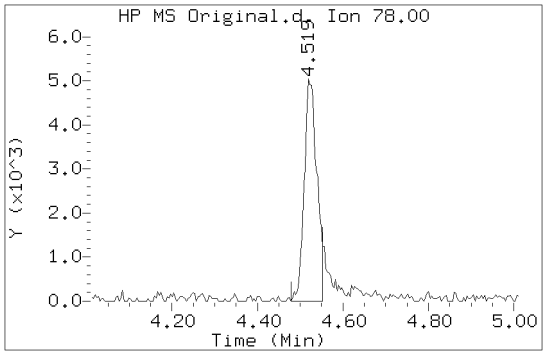
AFTER
MASS
77
AREA
1207
HEIGHT
572
20-Jun-2023
18:22
linh
pham



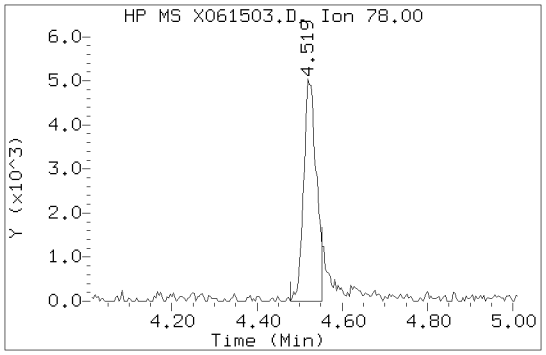
Benzene (71-43-2)

Reason Code:

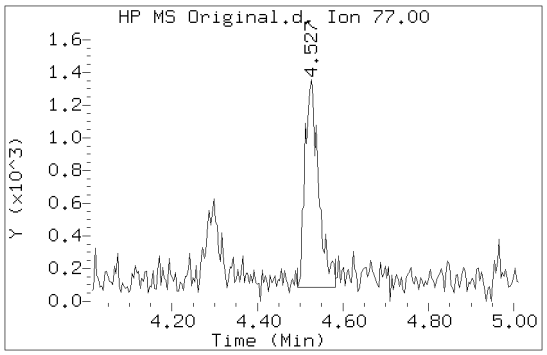
BEFORE
MASS
78
AREA
10562
HEIGHT
5044
20-Jun-2023
18:22
linh
pham



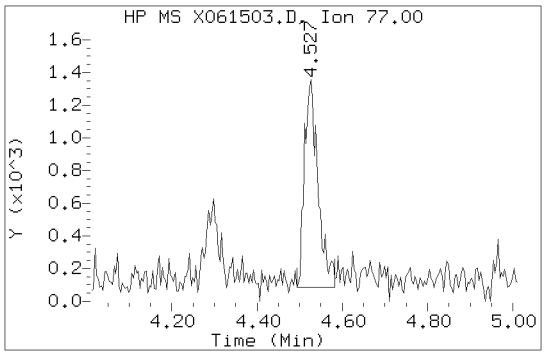
AFTER
MASS
78
AREA
10562
HEIGHT
5044
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
77
AREA
2831
HEIGHT
1269
20-Jun-2023
18:22
linh
pham



AFTER
MASS
77
AREA
2831
HEIGHT
1269
20-Jun-2023
18:22
linh
pham



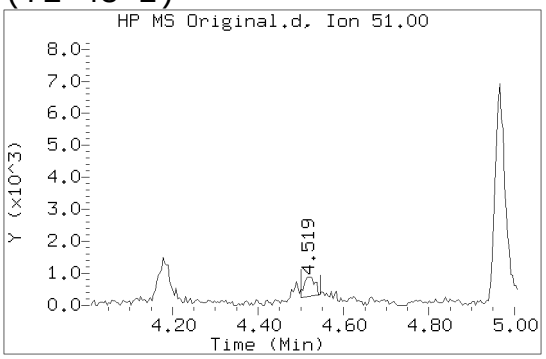
Data File : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061503.D
Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

Benzene (71-43-2)

Reason Code:

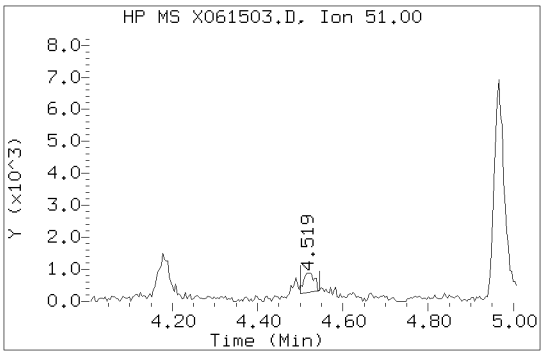
BEFORE

MASS
51
AREA
1097
HEIGHT
604
20-Jun-2023
18:22
linh
pham



AFTER

MASS
51
AREA
1097
HEIGHT
604
20-Jun-2023
18:22
linh
pham

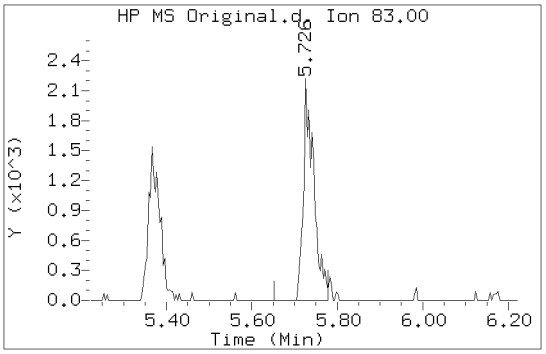


Bromodichloromethane (75-27-4)

Reason Code:

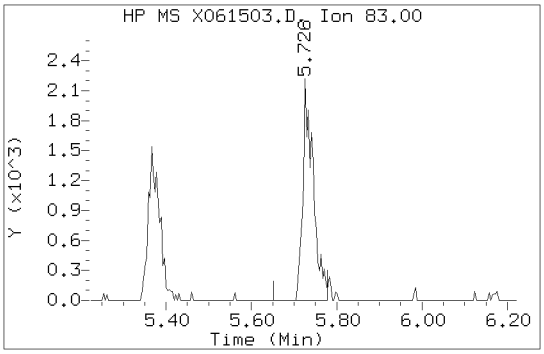
BEFORE

MASS
83
AREA
3787
HEIGHT
2221
20-Jun-2023
18:22
linh
pham



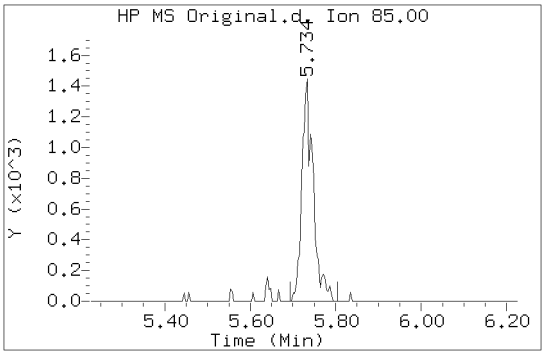
AFTER

MASS
83
AREA
3787
HEIGHT
2221
20-Jun-2023
18:22
linh
pham



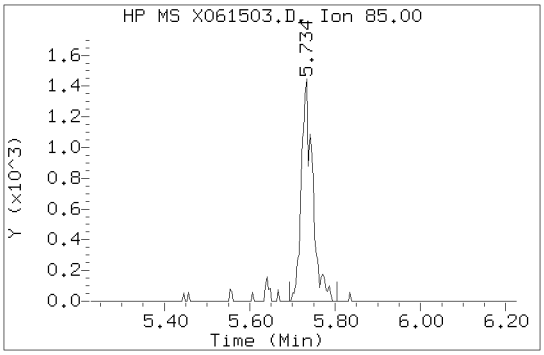
BEFORE

MASS
85
AREA
2700
HEIGHT
1447
20-Jun-2023
18:22
linh
pham



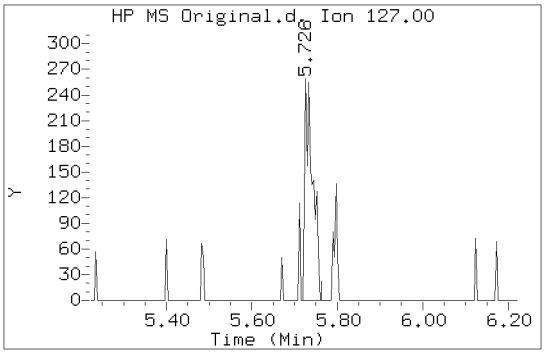
AFTER

MASS
85
AREA
2700
HEIGHT
1447
20-Jun-2023
18:22
linh
pham



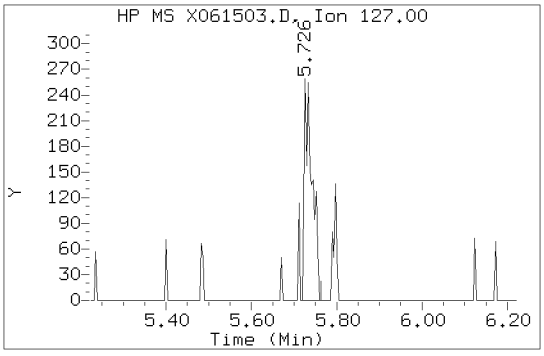
BEFORE

MASS
127
AREA
334
HEIGHT
259
20-Jun-2023
18:22
linh
pham



AFTER

MASS
127
AREA
334
HEIGHT
259
20-Jun-2023
18:22
linh
pham



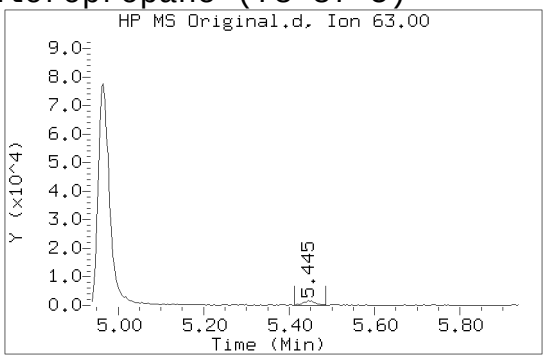
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Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

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

Reason Code:

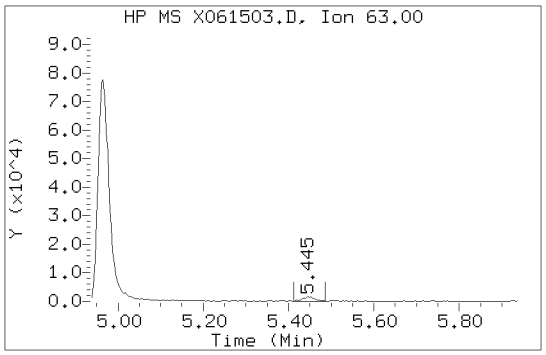
BEFORE

MASS
63
AREA
2801
HEIGHT
1642
20-Jun-2023
18:22
linh
pham



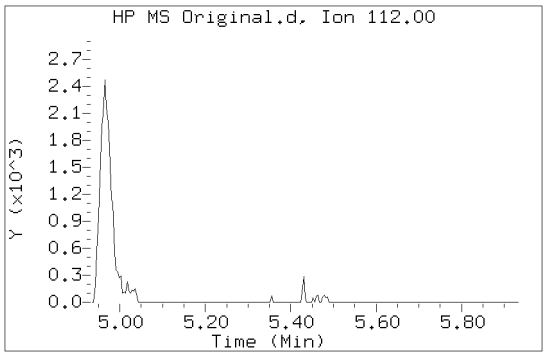
AFTER

MASS
63
AREA
2801
HEIGHT
1642
20-Jun-2023
18:22
linh
pham



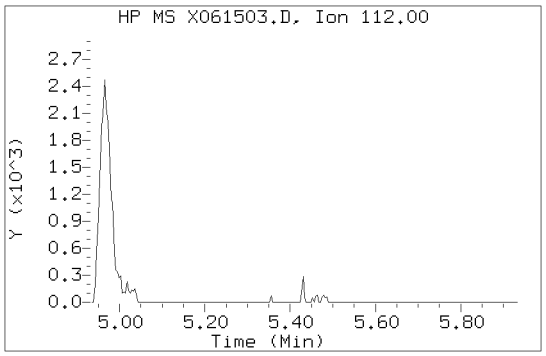
BEFORE

MASS
112
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



AFTER

MASS
112
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham

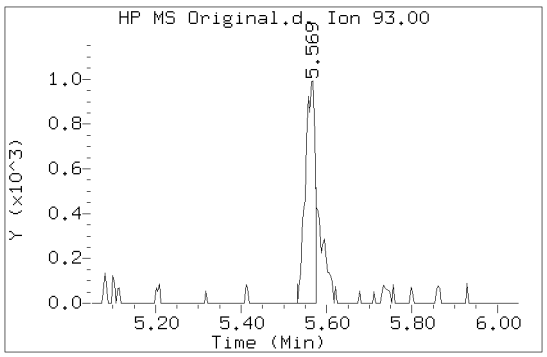


Dibromomethane (74-95-3)

Reason Code:

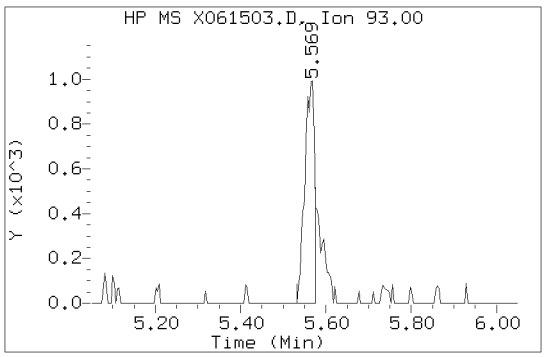
BEFORE

MASS
93
AREA
1589
HEIGHT
993
20-Jun-2023
18:22
linh
pham



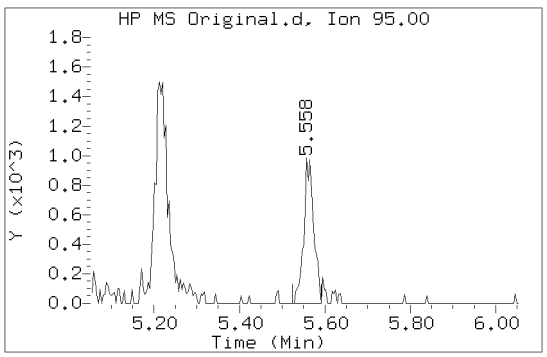
AFTER

MASS
93
AREA
1589
HEIGHT
993
20-Jun-2023
18:22
linh
pham



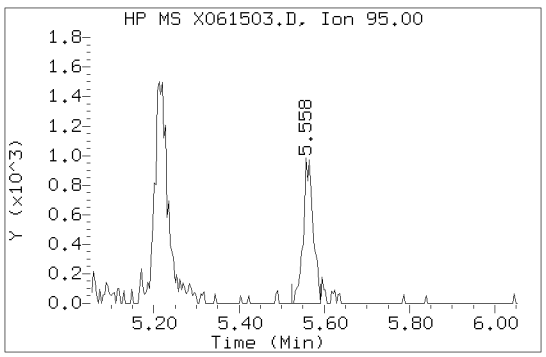
BEFORE

MASS
95
AREA
1616
HEIGHT
984
20-Jun-2023
18:22
linh
pham



AFTER

MASS
95
AREA
1616
HEIGHT
984
20-Jun-2023
18:22
linh
pham



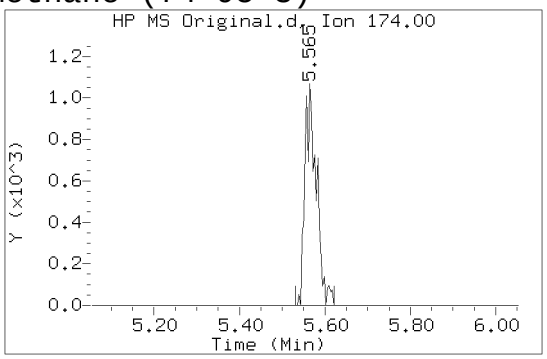
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Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

Dibromomethane (74-95-3)

Reason Code:

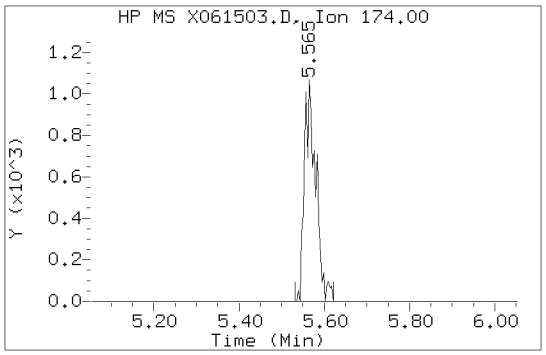
BEFORE

MASS
174
AREA
2024
HEIGHT
1069
20-Jun-2023
18:22
linh
pham



AFTER

MASS
174
AREA
2024
HEIGHT
1069
20-Jun-2023
18:22
linh
pham

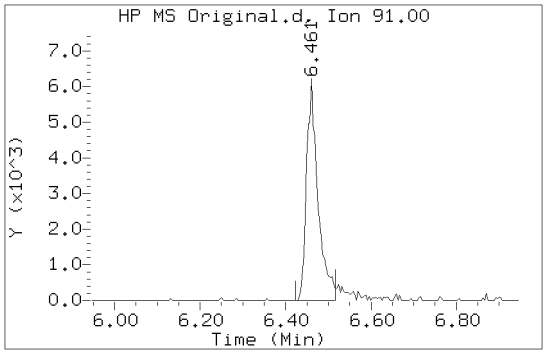


Toluene (108-88-3)

Reason Code:

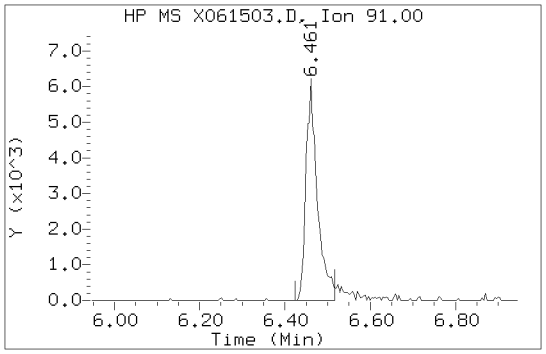
BEFORE

MASS
91
AREA
11582
HEIGHT
6218
20-Jun-2023
18:22
linh
pham



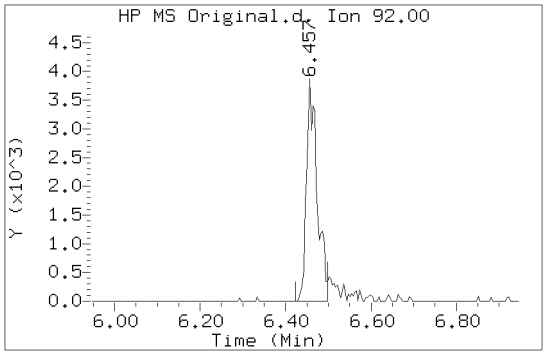
AFTER

MASS
91
AREA
11582
HEIGHT
6218
20-Jun-2023
18:22
linh
pham



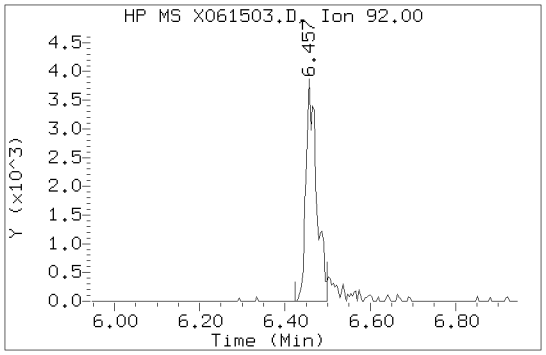
BEFORE

MASS
92
AREA
6796
HEIGHT
3869
20-Jun-2023
18:22
linh
pham



AFTER

MASS
92
AREA
6796
HEIGHT
3869
20-Jun-2023
18:22
linh
pham

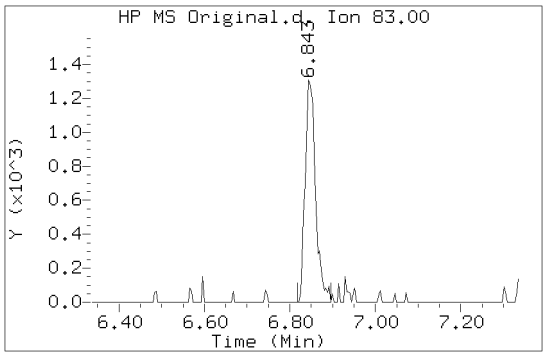


1,1,2-Trichloroethane (79-00-5)

Reason Code:

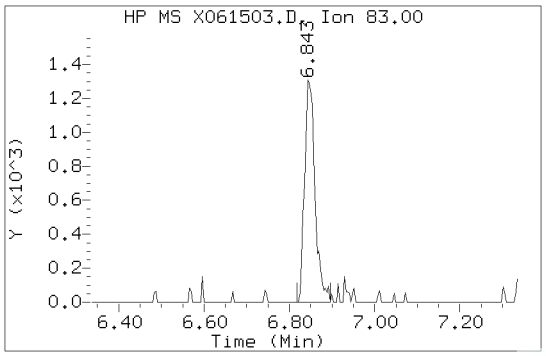
BEFORE

MASS
83
AREA
2237
HEIGHT
1309
20-Jun-2023
18:22
linh
pham



AFTER

MASS
83
AREA
2237
HEIGHT
1309
20-Jun-2023
18:22
linh
pham



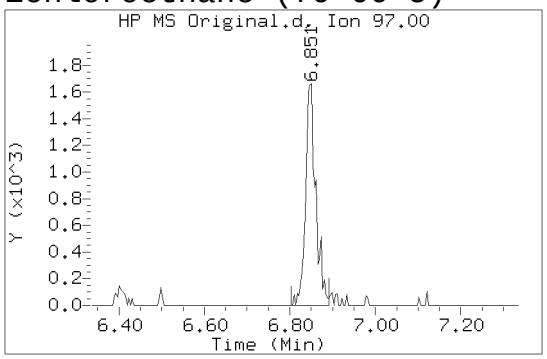
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Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

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

Reason Code:

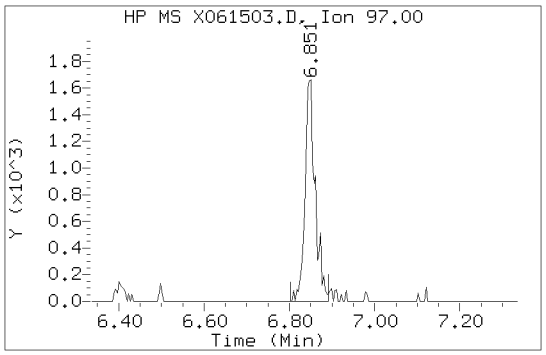
BEFORE

MASS
97
AREA
2754
HEIGHT
1663
20-Jun-2023
18:22
linh
pham



AFTER

MASS
97
AREA
2754
HEIGHT
1663
20-Jun-2023
18:22
linh
pham

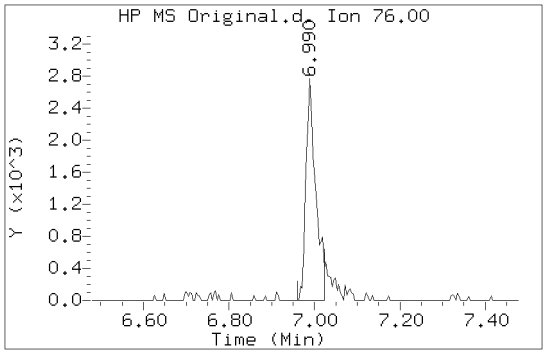


1,3-Dichloropropane (142-28-9)

Reason Code:

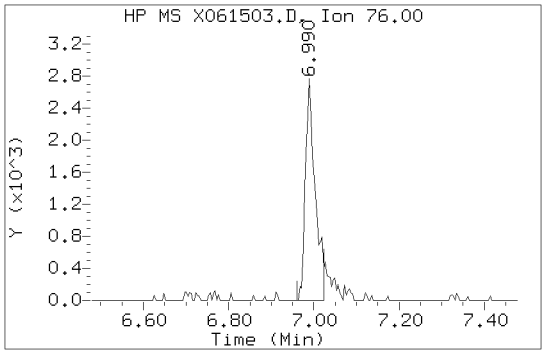
BEFORE

MASS
76
AREA
4459
HEIGHT
2769
20-Jun-2023
18:22
linh
pham



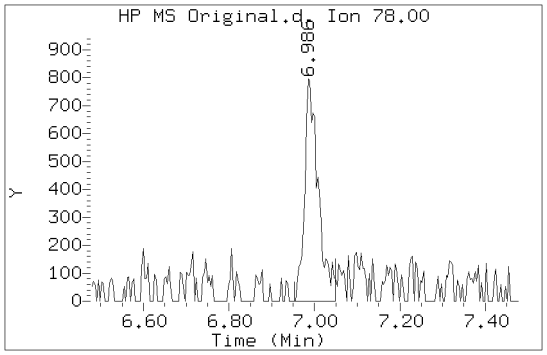
AFTER

MASS
76
AREA
4459
HEIGHT
2769
20-Jun-2023
18:22
linh
pham



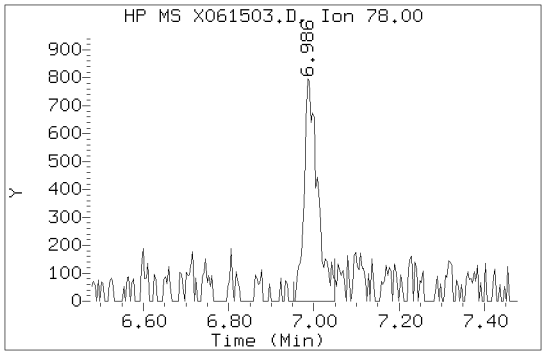
BEFORE

MASS
78
AREA
1798
HEIGHT
796
20-Jun-2023
18:22
linh
pham



AFTER

MASS
78
AREA
1798
HEIGHT
796
20-Jun-2023
18:22
linh
pham

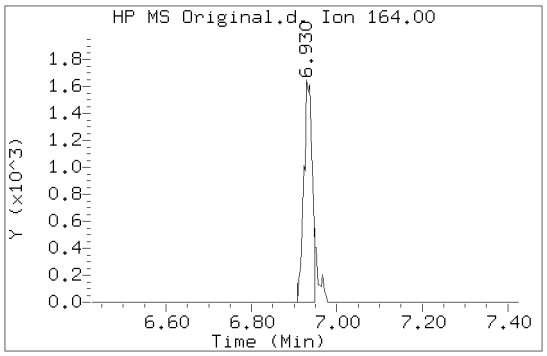


Tetrachloroethene (127-18-4)

Reason Code:

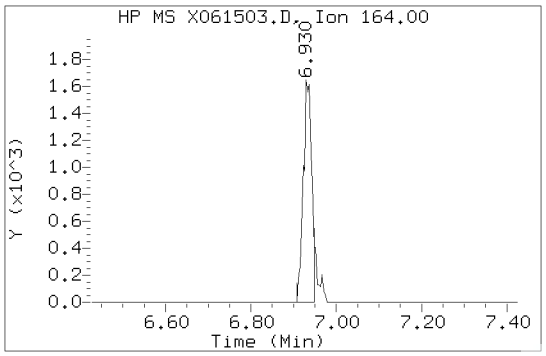
BEFORE

MASS
164
AREA
2291
HEIGHT
1649
20-Jun-2023
18:22
linh
pham



AFTER

MASS
164
AREA
2291
HEIGHT
1649
20-Jun-2023
18:22
linh
pham



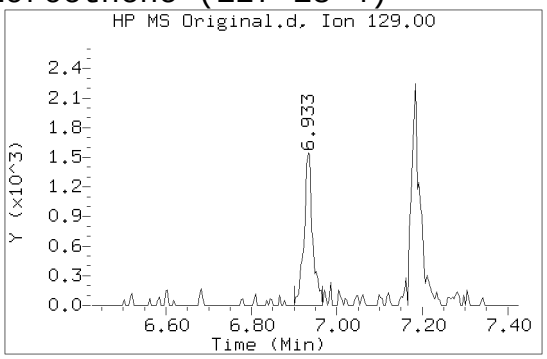
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Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

Tetrachloroethene (127-18-4)

Reason Code:

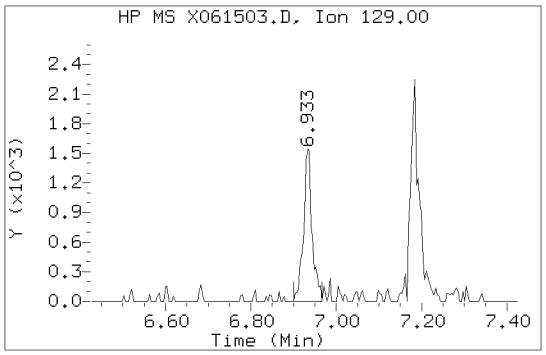
BEFORE

MASS
129
AREA
2191
HEIGHT
1543
20-Jun-2023
18:22
linh
pham



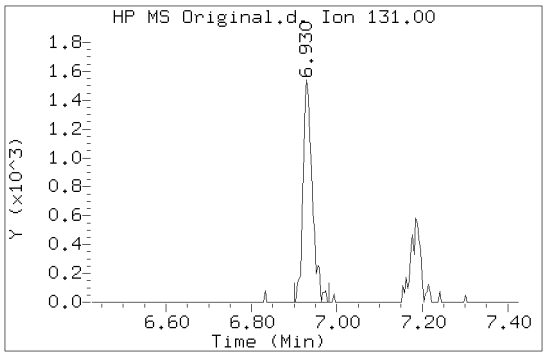
AFTER

MASS
129
AREA
2191
HEIGHT
1543
20-Jun-2023
18:22
linh
pham



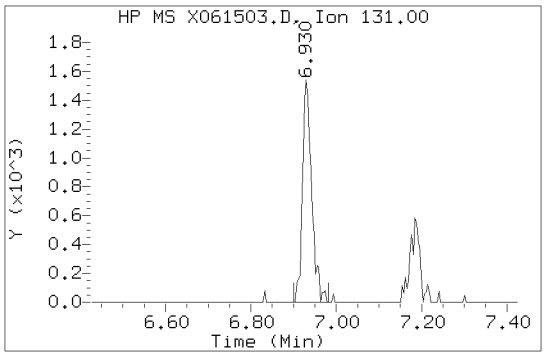
BEFORE

MASS
131
AREA
2372
HEIGHT
1541
20-Jun-2023
18:22
linh
pham



AFTER

MASS
131
AREA
2372
HEIGHT
1541
20-Jun-2023
18:22
linh
pham

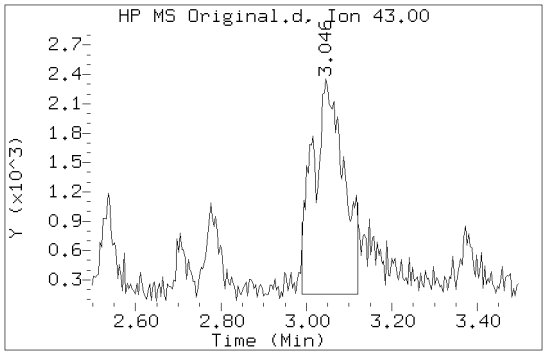


Vinyl Acetate (108-05-4)

Reason Code:

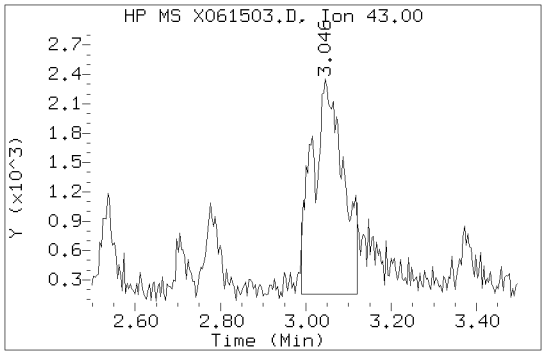
BEFORE

MASS
43
AREA
11055
HEIGHT
2198
20-Jun-2023
18:22
linh
pham



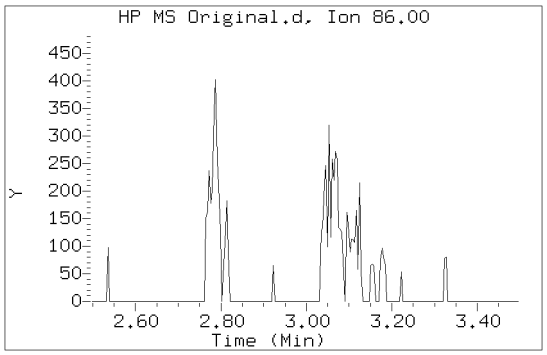
AFTER

MASS
43
AREA
11055
HEIGHT
2198
20-Jun-2023
18:22
linh
pham



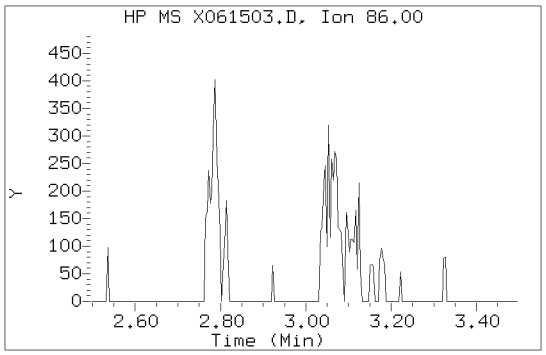
BEFORE

MASS
86
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



AFTER

MASS
86
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham

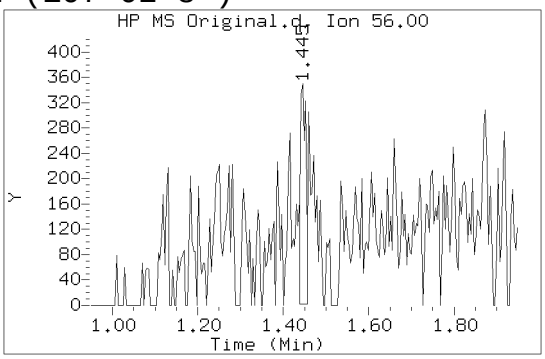


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Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

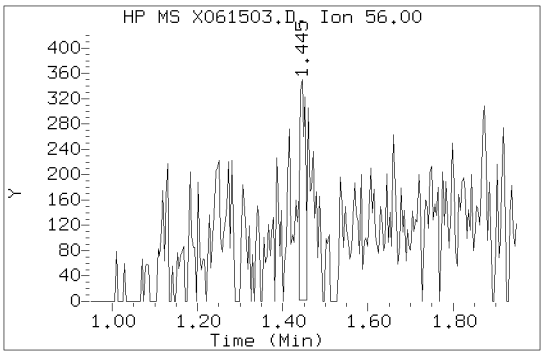
Acrolein (107-02-8)

Reason Code:

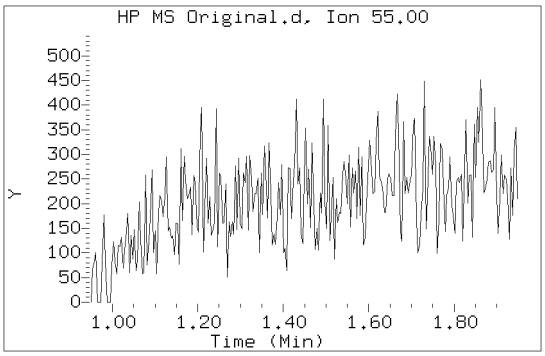
BEFORE
MASS
56
AREA
343
HEIGHT
348
20-Jun-2023
18:22
linh
pham



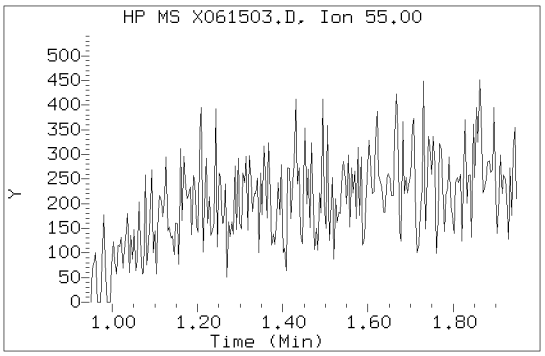
AFTER
MASS
56
AREA
343
HEIGHT
348
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
55
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



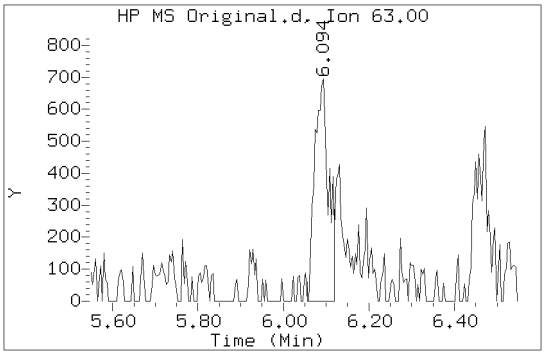
AFTER
MASS
55
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



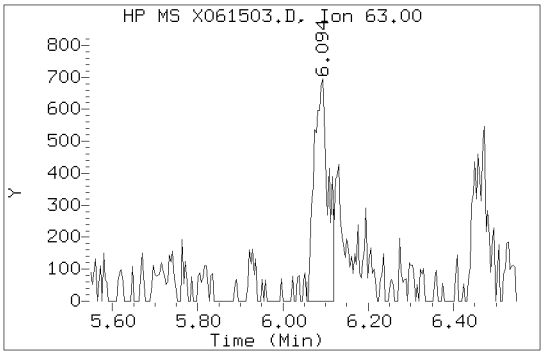
2-Chloroethylvinyl ether (110-75-8)

Reason Code:

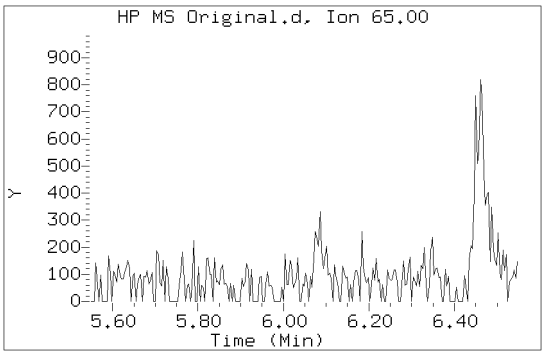
BEFORE
MASS
63
AREA
1563
HEIGHT
695
20-Jun-2023
18:22
linh
pham



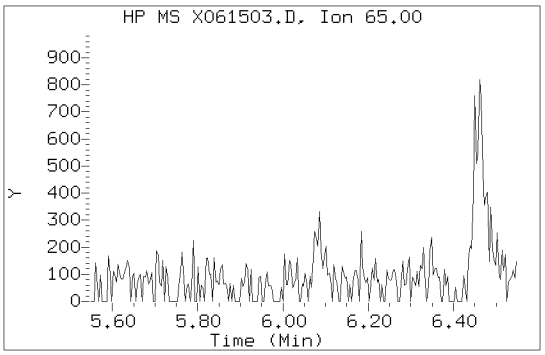
AFTER
MASS
63
AREA
1563
HEIGHT
695
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
65
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



AFTER
MASS
65
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



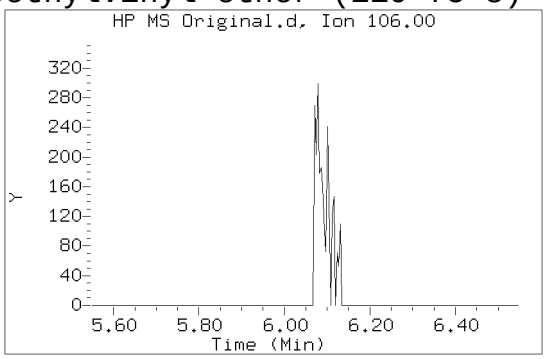
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Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

2-Chloroethylvinyl ether (110-75-8)

Reason Code:

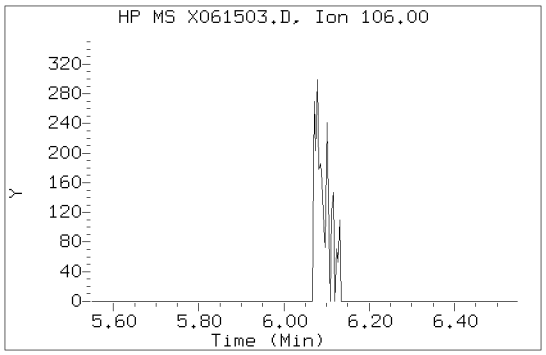
BEFORE

MASS
106
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



AFTER

MASS
106
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham

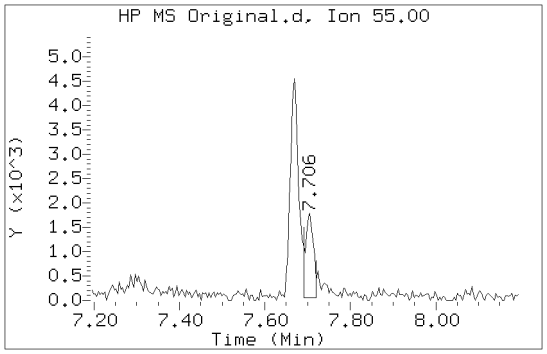


1-Chlorohexane (544-10-5)

Reason Code:

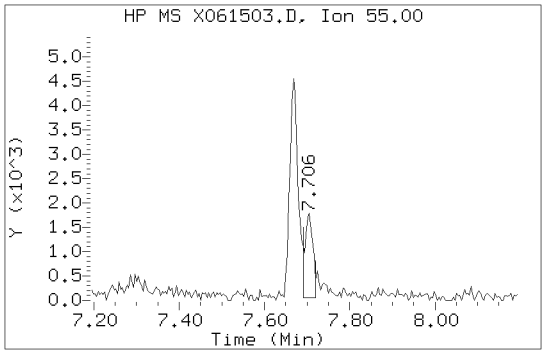
BEFORE

MASS
55
AREA
2351
HEIGHT
1734
20-Jun-2023
18:22
linh
pham



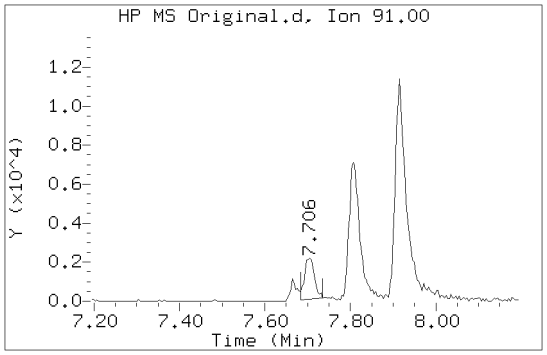
AFTER

MASS
55
AREA
2351
HEIGHT
1734
20-Jun-2023
18:22
linh
pham



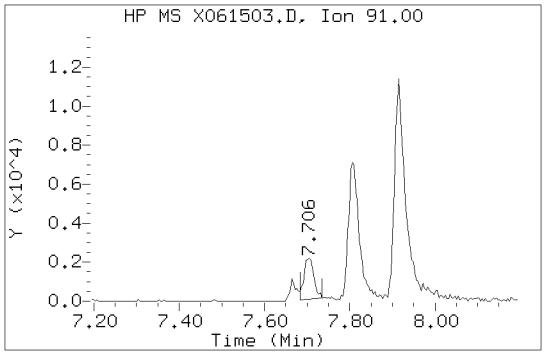
BEFORE

MASS
91
AREA
3502
HEIGHT
2100
20-Jun-2023
18:22
linh
pham



AFTER

MASS
91
AREA
3502
HEIGHT
2100
20-Jun-2023
18:22
linh
pham

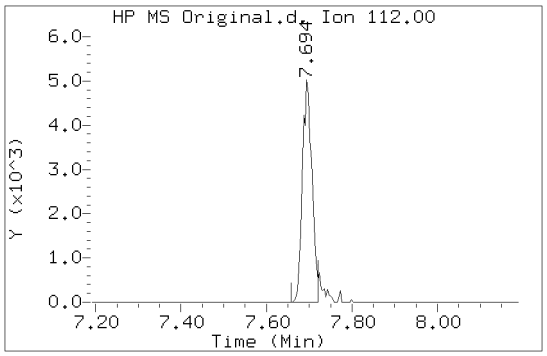


Chlorobenzene (108-90-7)

Reason Code:

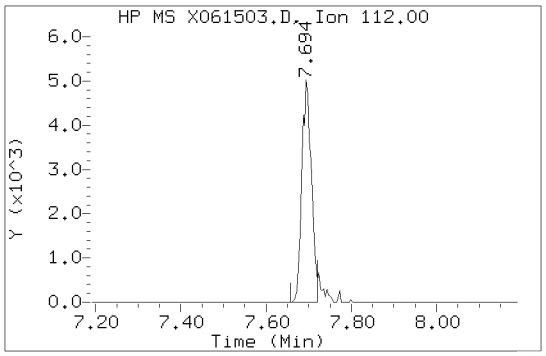
BEFORE

MASS
112
AREA
8017
HEIGHT
5025
20-Jun-2023
18:22
linh
pham



AFTER

MASS
112
AREA
8017
HEIGHT
5025
20-Jun-2023
18:22
linh
pham



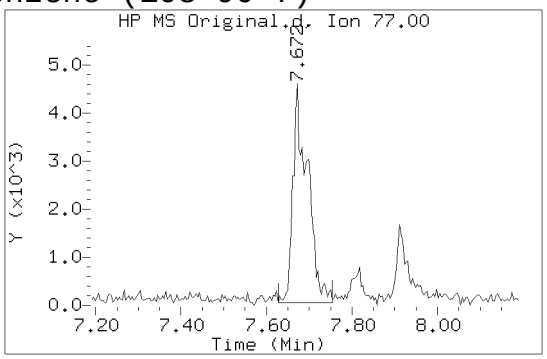
Data File : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061503.D
Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

Chlorobenzene (108-90-7)

Reason Code:

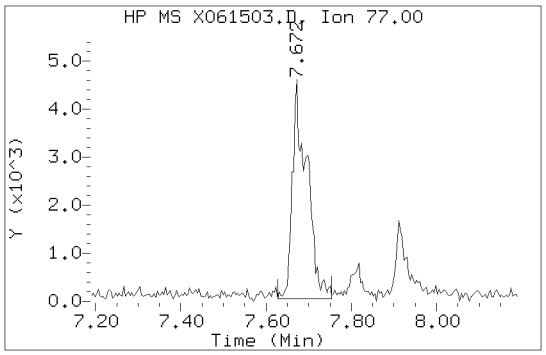
BEFORE

MASS
77
AREA
10984
HEIGHT
4562
20-Jun-2023
18:22
linh
pham



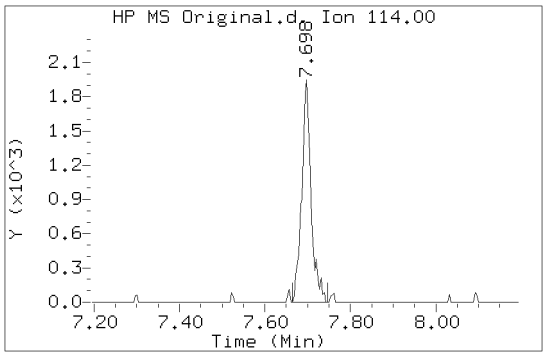
AFTER

MASS
77
AREA
10984
HEIGHT
4562
20-Jun-2023
18:22
linh
pham



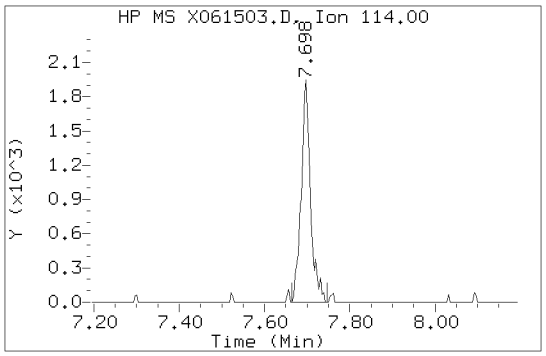
BEFORE

MASS
114
AREA
3036
HEIGHT
1947
20-Jun-2023
18:22
linh
pham



AFTER

MASS
114
AREA
3036
HEIGHT
1947
20-Jun-2023
18:22
linh
pham

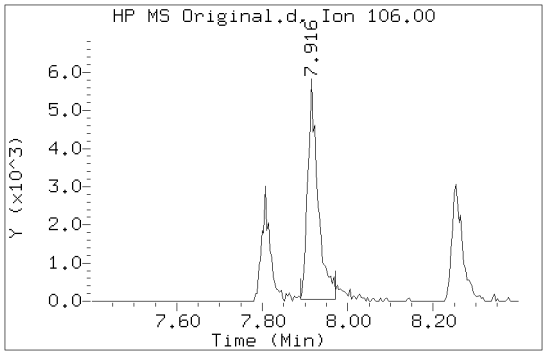


m,p-Xylenes ()

Reason Code:

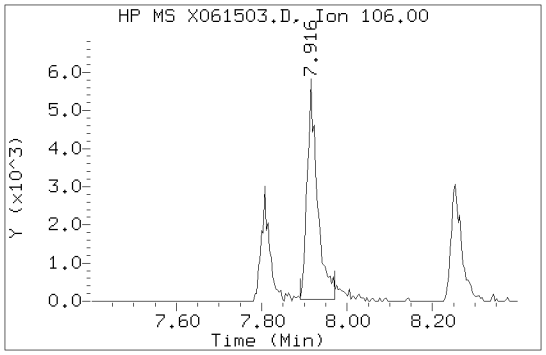
BEFORE

MASS
106
AREA
9595
HEIGHT
5771
20-Jun-2023
18:22
linh
pham



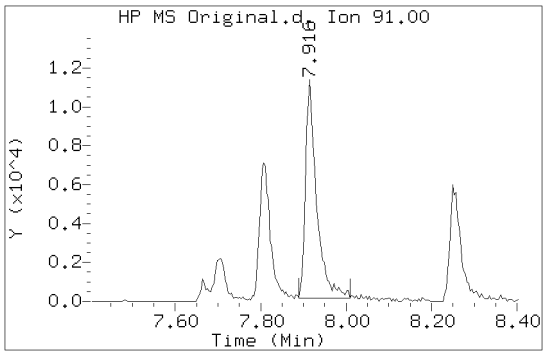
AFTER

MASS
106
AREA
9595
HEIGHT
5771
20-Jun-2023
18:22
linh
pham



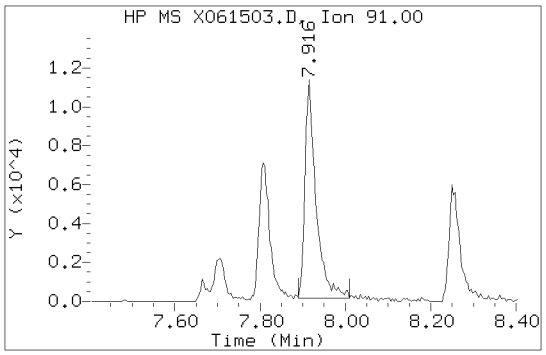
BEFORE

MASS
91
AREA
20412
HEIGHT
11224
20-Jun-2023
18:22
linh
pham



AFTER

MASS
91
AREA
20412
HEIGHT
11224
20-Jun-2023
18:22
linh
pham



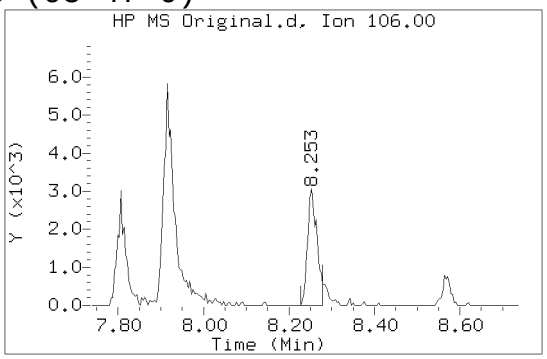
Data File : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061503.D
Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

o-Xylene (95-47-6)

Reason Code:

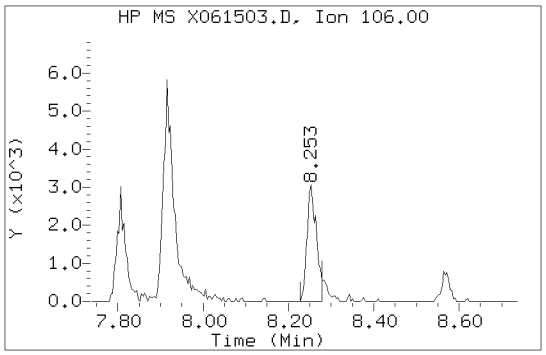
BEFORE

MASS
106
AREA
4730
HEIGHT
3061
20-Jun-2023
18:22
linh
pham



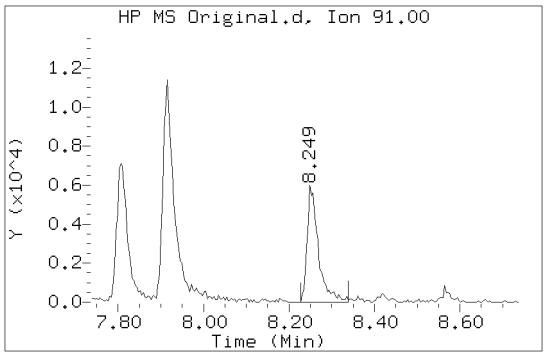
AFTER

MASS
106
AREA
4730
HEIGHT
3061
20-Jun-2023
18:22
linh
pham



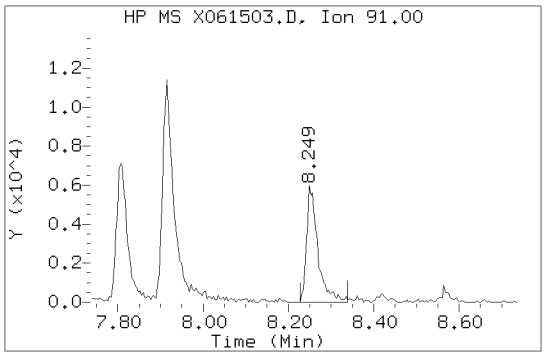
BEFORE

MASS
91
AREA
11044
HEIGHT
5995
20-Jun-2023
18:22
linh
pham



AFTER

MASS
91
AREA
11044
HEIGHT
5995
20-Jun-2023
18:22
linh
pham

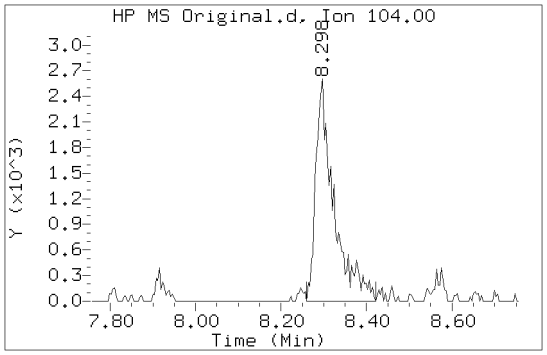


Styrene (100-42-5)

Reason Code:

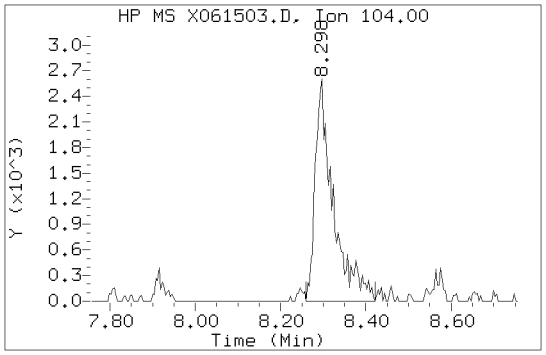
BEFORE

MASS
104
AREA
7646
HEIGHT
2604
20-Jun-2023
18:22
linh
pham



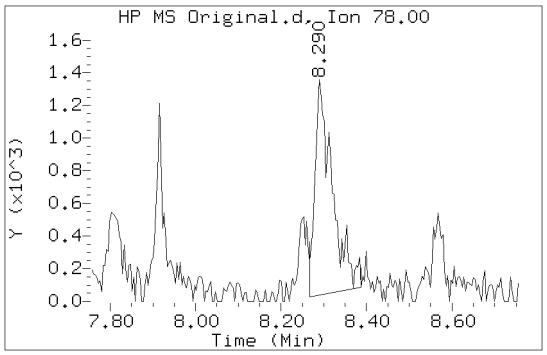
AFTER

MASS
104
AREA
7646
HEIGHT
2604
20-Jun-2023
18:22
linh
pham



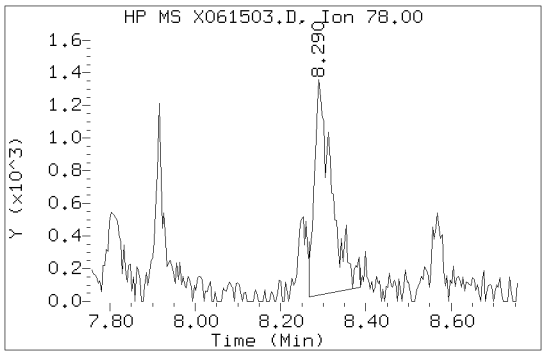
BEFORE

MASS
78
AREA
3712
HEIGHT
1318
20-Jun-2023
18:22
linh
pham



AFTER

MASS
78
AREA
3712
HEIGHT
1318
20-Jun-2023
18:22
linh
pham

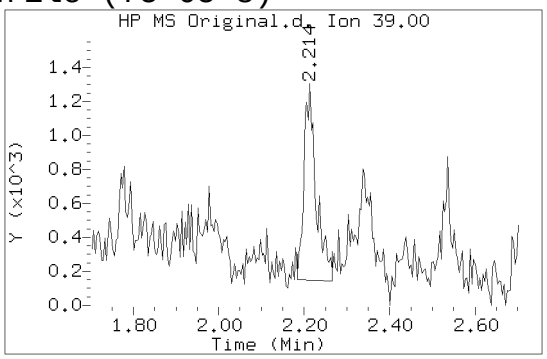


Data File : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061503.D
Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

Acetonitrile (75-05-8)

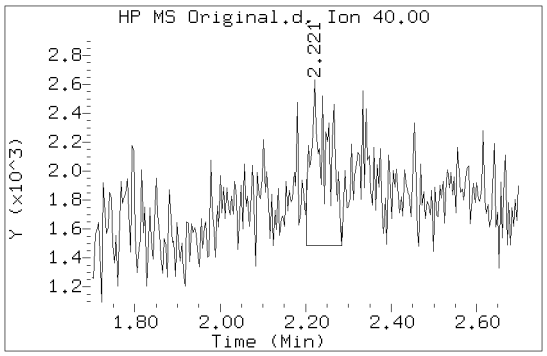
BEFORE

MASS
39
AREA
2269
HEIGHT
1156
20-Jun-2023
18:22
linh
pham



BEFORE

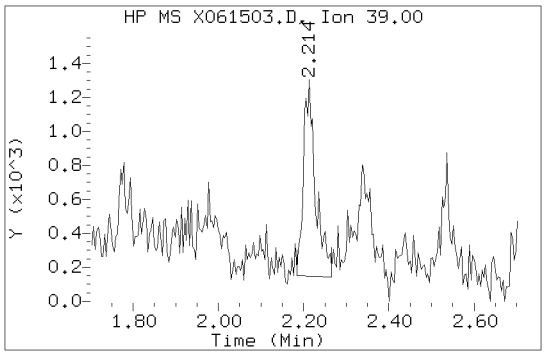
MASS
40
AREA
3102
HEIGHT
1145
20-Jun-2023
18:22
linh
pham



Reason Code:

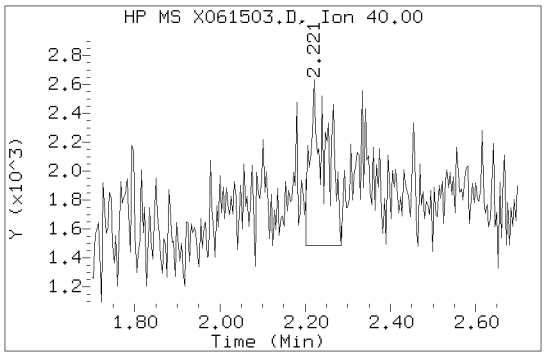
AFTER

MASS
39
AREA
2269
HEIGHT
1156
20-Jun-2023
18:22
linh
pham



AFTER

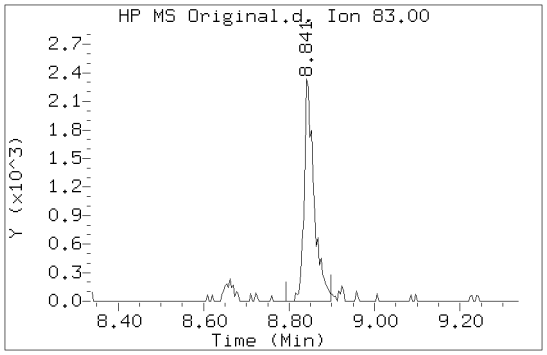
MASS
40
AREA
3102
HEIGHT
1145
20-Jun-2023
18:22
linh
pham



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

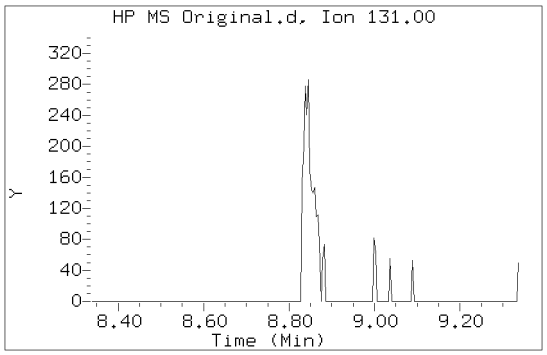
BEFORE

MASS
83
AREA
3818
HEIGHT
2336
20-Jun-2023
18:22
linh
pham



BEFORE

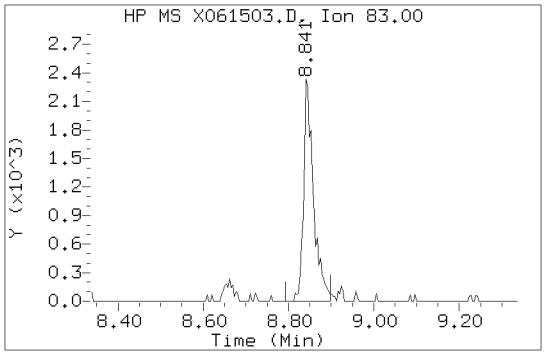
MASS
131
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



Reason Code:

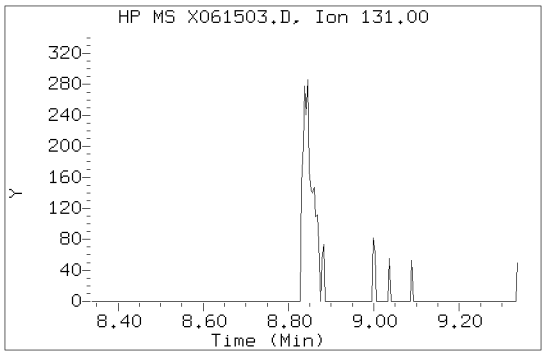
AFTER

MASS
83
AREA
3818
HEIGHT
2336
20-Jun-2023
18:22
linh
pham



AFTER

MASS
131
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



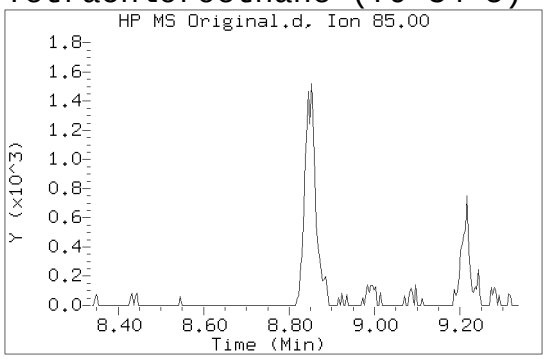
Data File : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061503.D
Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

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

Reason Code:

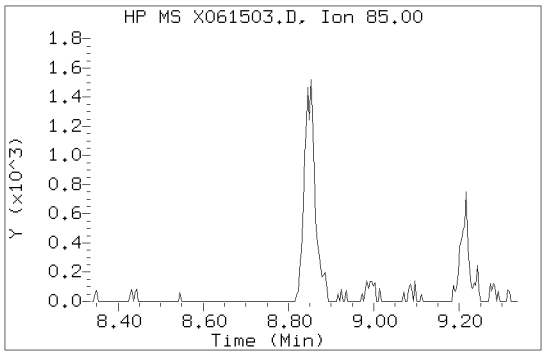
BEFORE

MASS
85
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



AFTER

MASS
85
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham

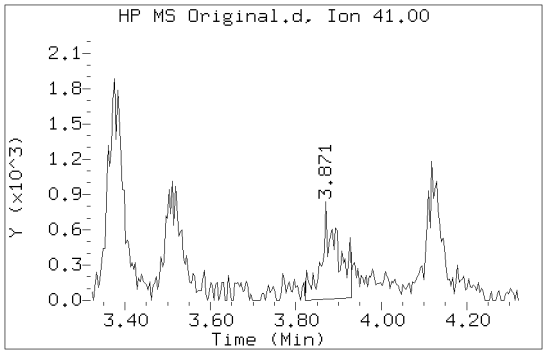


Methacrylonitrile (126-98-7)

Reason Code:

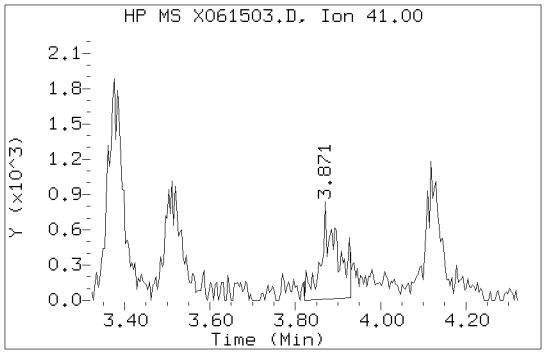
BEFORE

MASS
41
AREA
2167
HEIGHT
829
20-Jun-2023
18:22
linh
pham



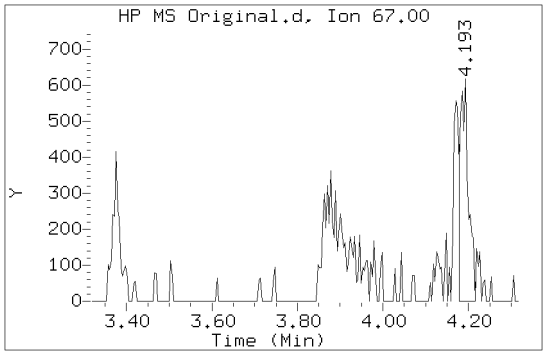
AFTER

MASS
41
AREA
2167
HEIGHT
829
20-Jun-2023
18:22
linh
pham



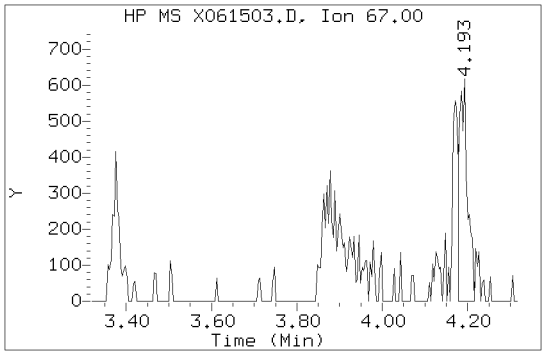
BEFORE

MASS
67
AREA
843
HEIGHT
617
20-Jun-2023
18:22
linh
pham



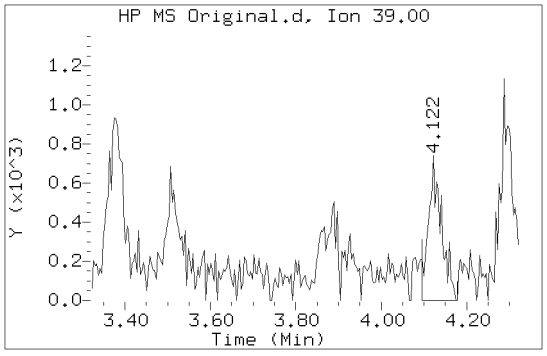
AFTER

MASS
67
AREA
843
HEIGHT
617
20-Jun-2023
18:22
linh
pham



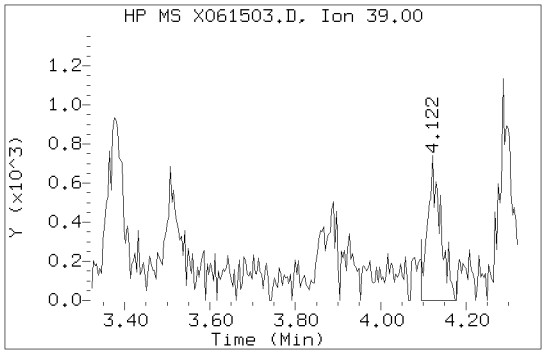
BEFORE

MASS
39
AREA
1554
HEIGHT
740
20-Jun-2023
18:22
linh
pham



AFTER

MASS
39
AREA
1554
HEIGHT
740
20-Jun-2023
18:22
linh
pham



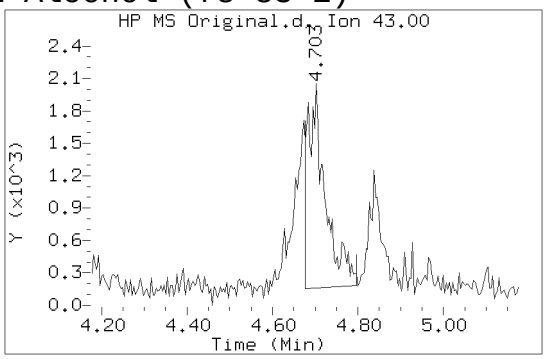
Data File : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061503.D
Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

Isobutyl Alcohol (78-83-1)

Reason Code:

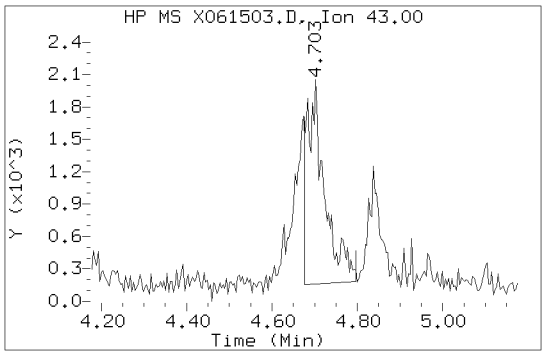
BEFORE

MASS
43
AREA
5465
HEIGHT
1892
20-Jun-2023
18:22
linh
pham



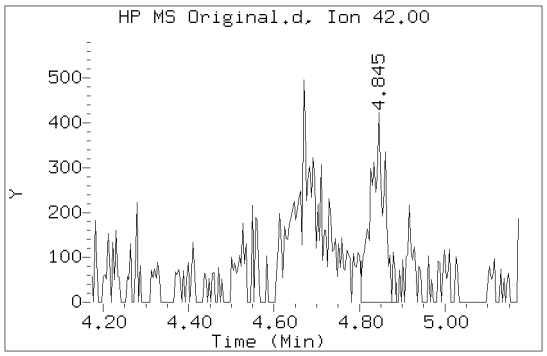
AFTER

MASS
43
AREA
5465
HEIGHT
1892
20-Jun-2023
18:22
linh
pham



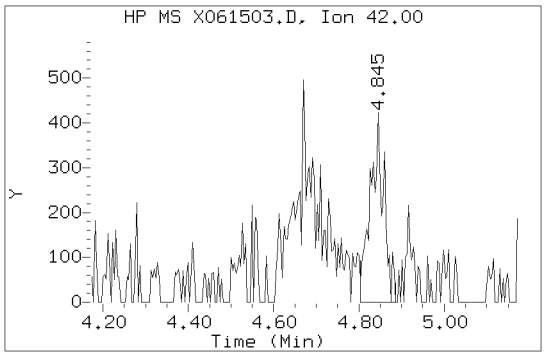
BEFORE

MASS
42
AREA
927
HEIGHT
423
20-Jun-2023
18:22
linh
pham



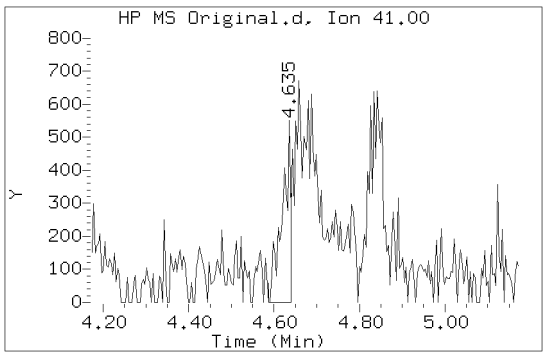
AFTER

MASS
42
AREA
927
HEIGHT
423
20-Jun-2023
18:22
linh
pham



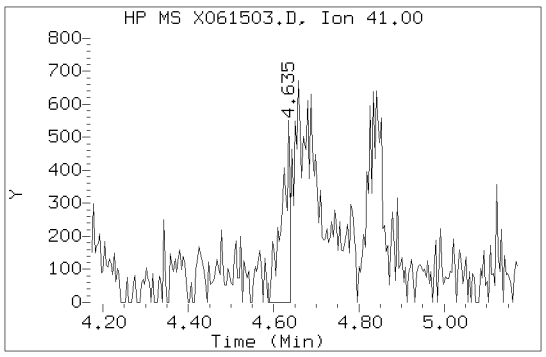
BEFORE

MASS
41
AREA
729
HEIGHT
551
20-Jun-2023
18:22
linh
pham



AFTER

MASS
41
AREA
729
HEIGHT
551
20-Jun-2023
18:22
linh
pham

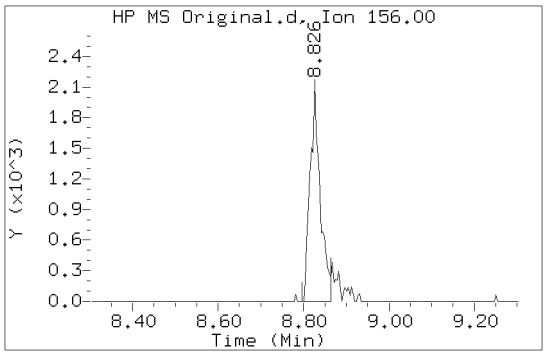


Bromobenzene (108-86-1)

Reason Code:

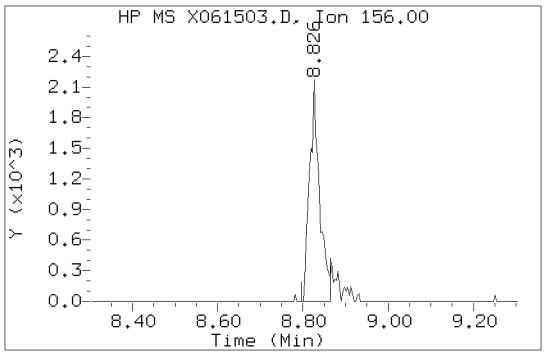
BEFORE

MASS
156
AREA
3535
HEIGHT
2172
20-Jun-2023
18:22
linh
pham



AFTER

MASS
156
AREA
3535
HEIGHT
2172
20-Jun-2023
18:22
linh
pham



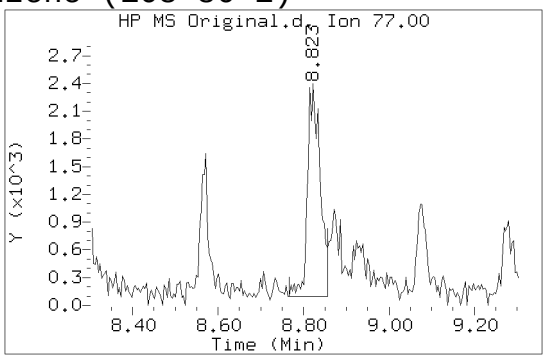
Data File : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061503.D
Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

Bromobenzene (108-86-1)

Reason Code:

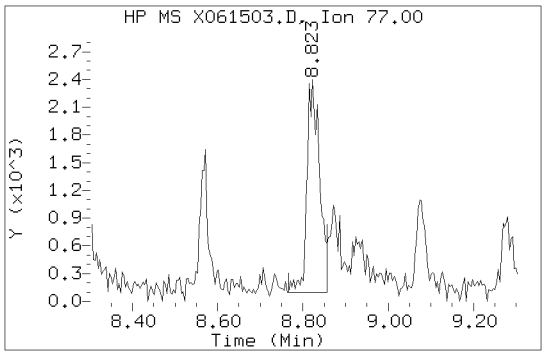
BEFORE

MASS
77
AREA
4744
HEIGHT
2298
20-Jun-2023
18:22
linh
pham



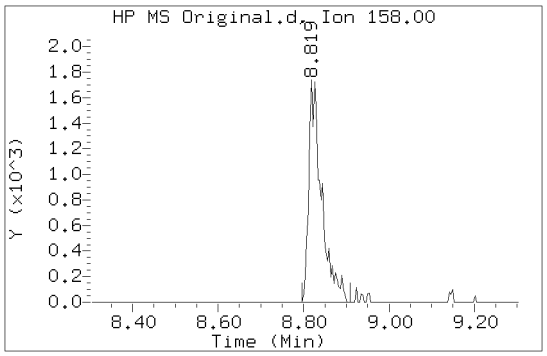
AFTER

MASS
77
AREA
4744
HEIGHT
2298
20-Jun-2023
18:22
linh
pham



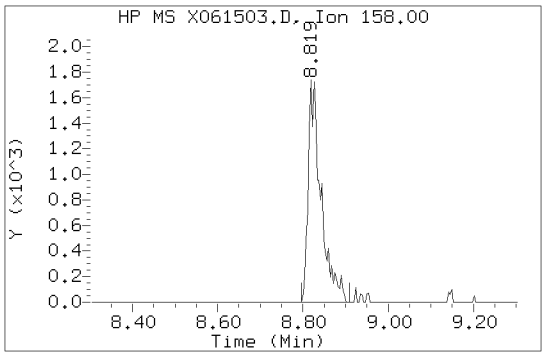
BEFORE

MASS
158
AREA
3619
HEIGHT
1739
20-Jun-2023
18:22
linh
pham



AFTER

MASS
158
AREA
3619
HEIGHT
1739
20-Jun-2023
18:22
linh
pham

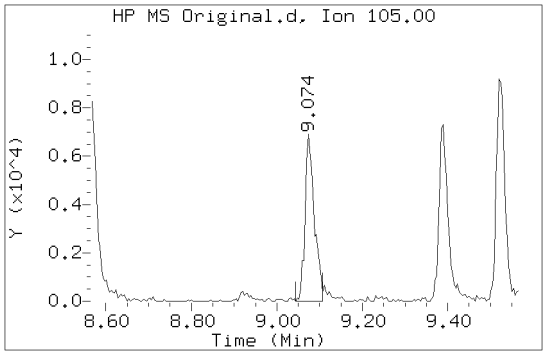


1,3,5-Trimethylbenzene (108-67-8)

Reason Code:

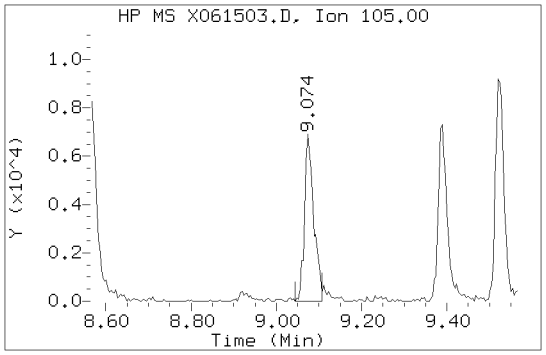
BEFORE

MASS
105
AREA
10589
HEIGHT
6918
20-Jun-2023
18:22
linh
pham



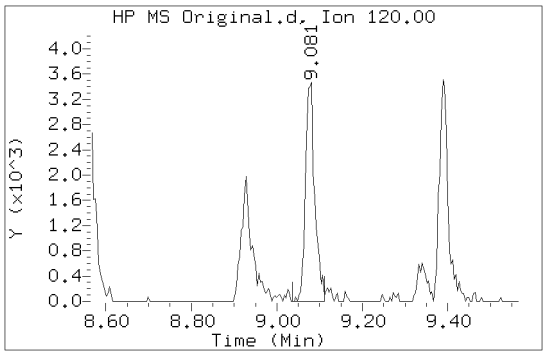
AFTER

MASS
105
AREA
10589
HEIGHT
6918
20-Jun-2023
18:22
linh
pham



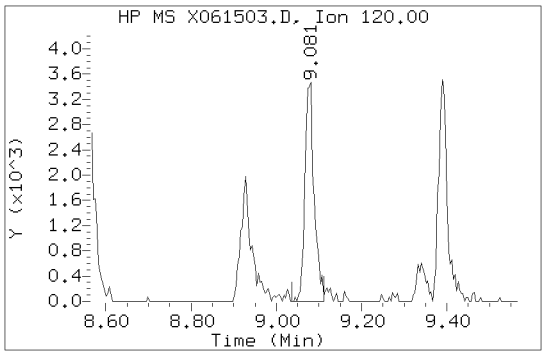
BEFORE

MASS
120
AREA
5301
HEIGHT
3469
20-Jun-2023
18:22
linh
pham



AFTER

MASS
120
AREA
5301
HEIGHT
3469
20-Jun-2023
18:22
linh
pham



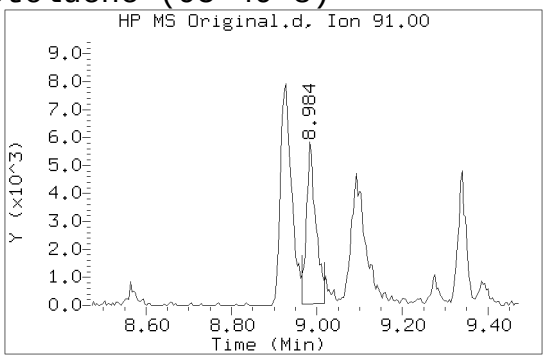
Data File : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061503.D
Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

2-Chlorotoluene (95-49-8)

Reason Code:

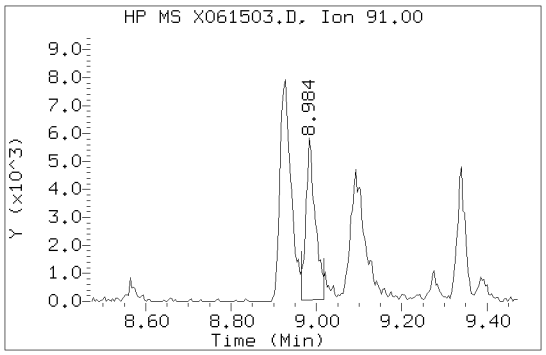
BEFORE

MASS
91
AREA
8949
HEIGHT
5784
20-Jun-2023
18:22
linh
pham



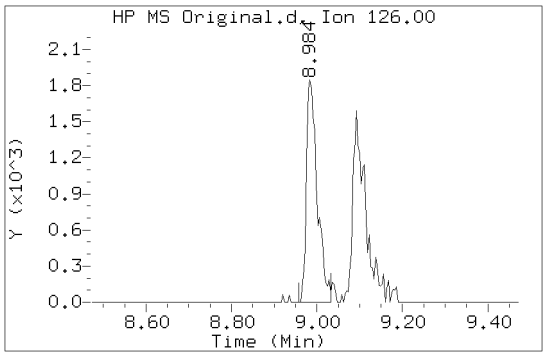
AFTER

MASS
91
AREA
8949
HEIGHT
5784
20-Jun-2023
18:22
linh
pham



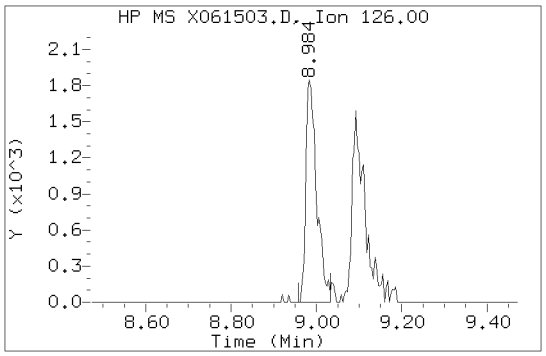
BEFORE

MASS
126
AREA
3287
HEIGHT
1848
20-Jun-2023
18:22
linh
pham



AFTER

MASS
126
AREA
3287
HEIGHT
1848
20-Jun-2023
18:22
linh
pham

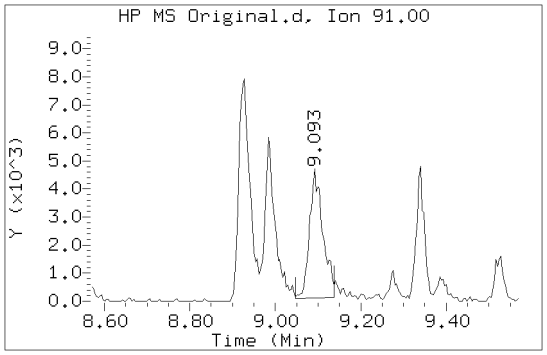


4-Chlorotoluene (106-43-4)

Reason Code:

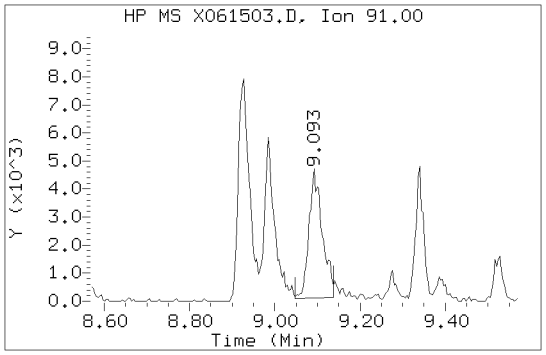
BEFORE

MASS
91
AREA
10012
HEIGHT
4610
20-Jun-2023
18:22
linh
pham



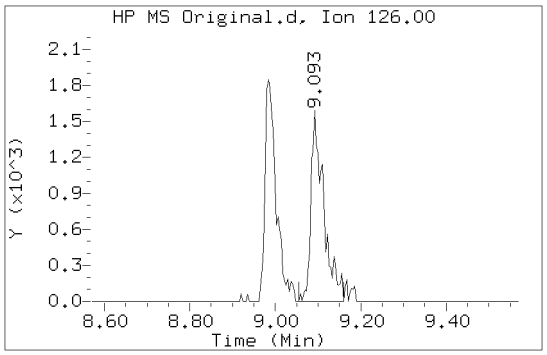
AFTER

MASS
91
AREA
10012
HEIGHT
4610
20-Jun-2023
18:22
linh
pham



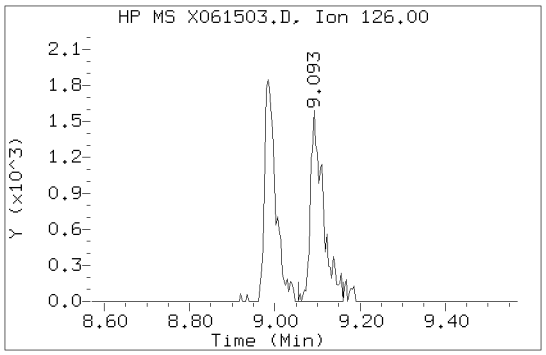
BEFORE

MASS
126
AREA
3291
HEIGHT
1590
20-Jun-2023
18:22
linh
pham



AFTER

MASS
126
AREA
3291
HEIGHT
1590
20-Jun-2023
18:22
linh
pham

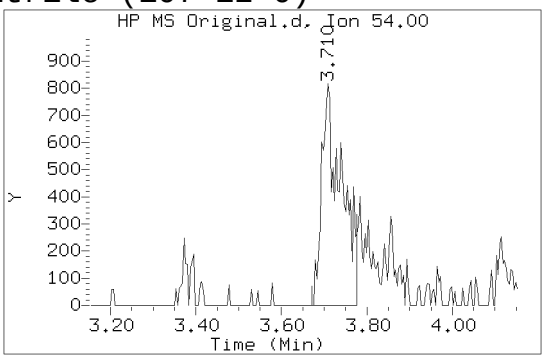


Data File : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061503.D
Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

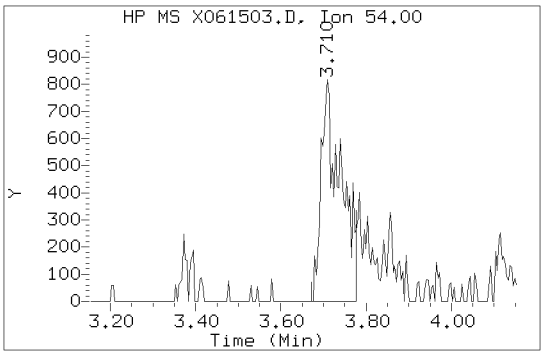
Propionitrile (107-12-0)

Reason Code:

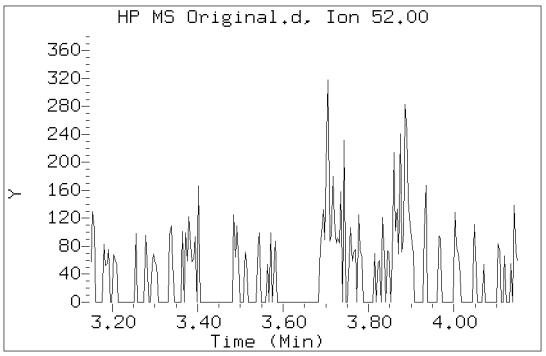
BEFORE
MASS
54
AREA
2622
HEIGHT
817
20-Jun-2023
18:22
linh
pham



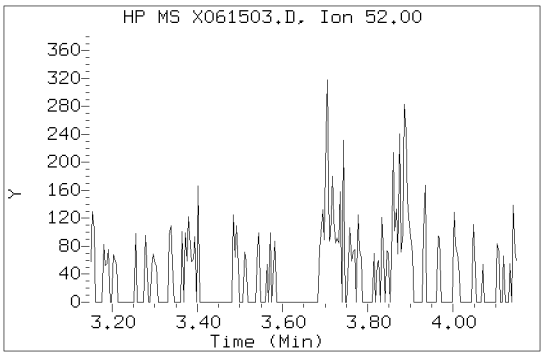
AFTER
MASS
54
AREA
2622
HEIGHT
817
20-Jun-2023
18:22
linh
pham



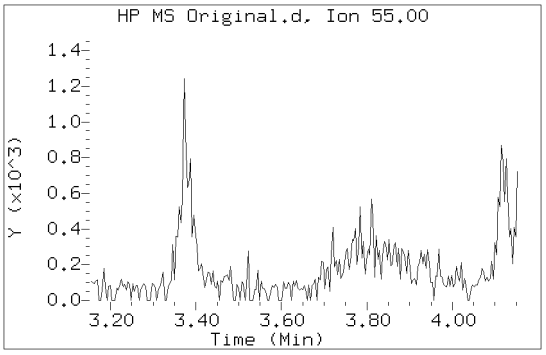
BEFORE
MASS
52
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



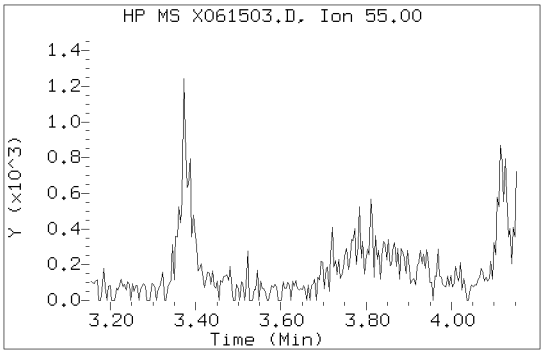
AFTER
MASS
52
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
55
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



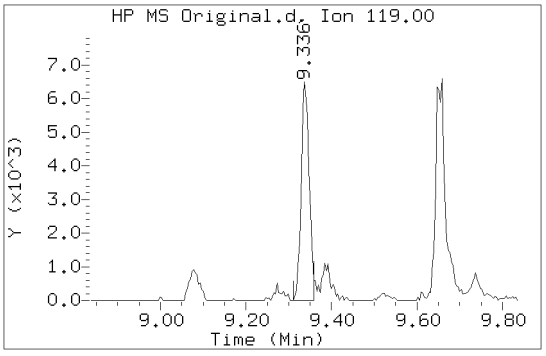
AFTER
MASS
55
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



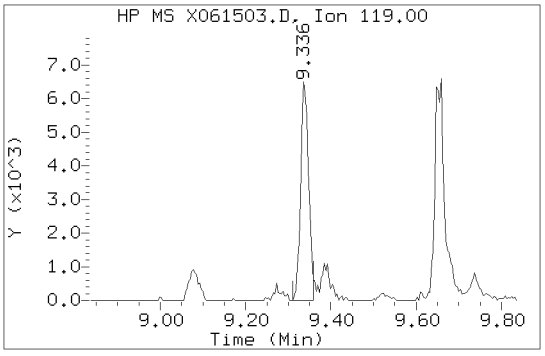
tert-Butylbenzene (98-06-6)

Reason Code:

BEFORE
MASS
119
AREA
8719
HEIGHT
6495
20-Jun-2023
18:22
linh
pham



AFTER
MASS
119
AREA
8719
HEIGHT
6495
20-Jun-2023
18:22
linh
pham



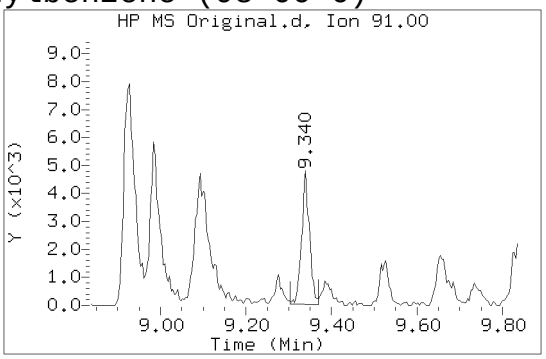
Data File : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061503.D
Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

tert-Butylbenzene (98-06-6)

Reason Code:

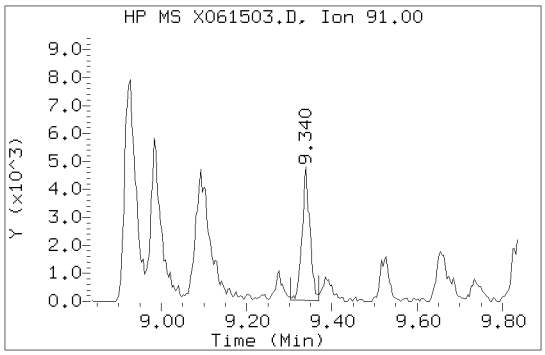
BEFORE

MASS
91
AREA
6264
HEIGHT
4775
20-Jun-2023
18:22
linh
pham



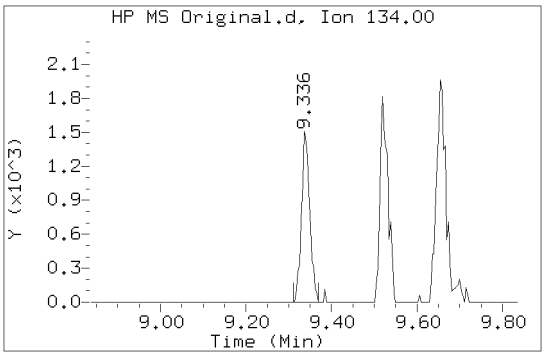
AFTER

MASS
91
AREA
6264
HEIGHT
4775
20-Jun-2023
18:22
linh
pham



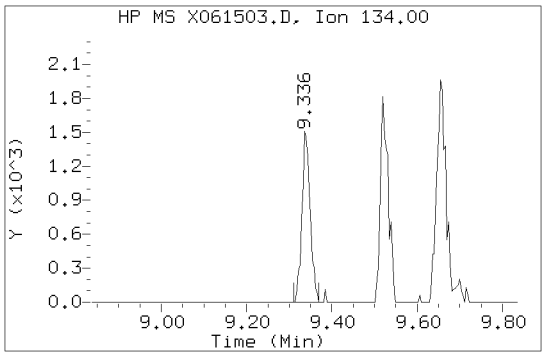
BEFORE

MASS
134
AREA
2080
HEIGHT
1511
20-Jun-2023
18:22
linh
pham



AFTER

MASS
134
AREA
2080
HEIGHT
1511
20-Jun-2023
18:22
linh
pham

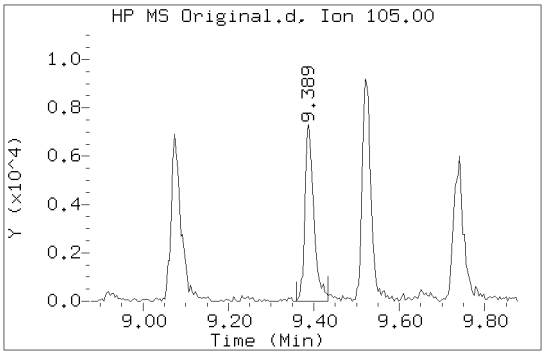


1,2,4-Trimethylbenzene (95-63-6)

Reason Code:

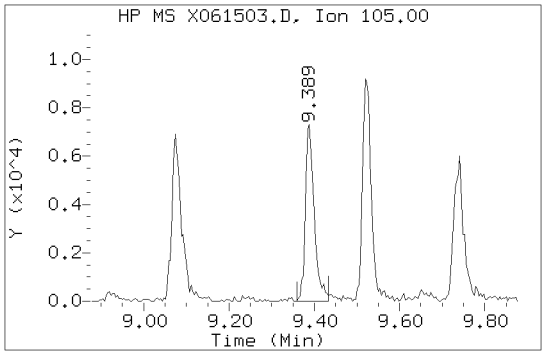
BEFORE

MASS
105
AREA
10657
HEIGHT
7321
20-Jun-2023
18:22
linh
pham



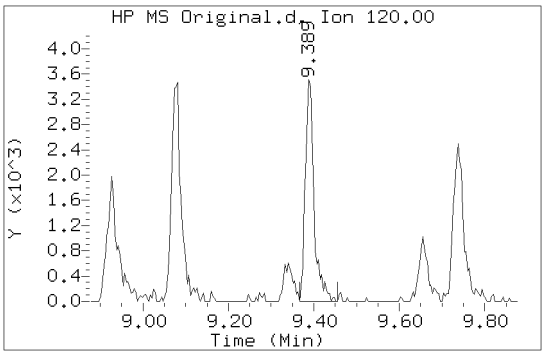
AFTER

MASS
105
AREA
10657
HEIGHT
7321
20-Jun-2023
18:22
linh
pham



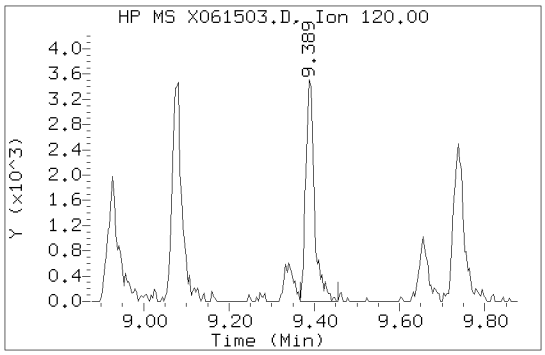
BEFORE

MASS
120
AREA
5063
HEIGHT
3511
20-Jun-2023
18:22
linh
pham



AFTER

MASS
120
AREA
5063
HEIGHT
3511
20-Jun-2023
18:22
linh
pham



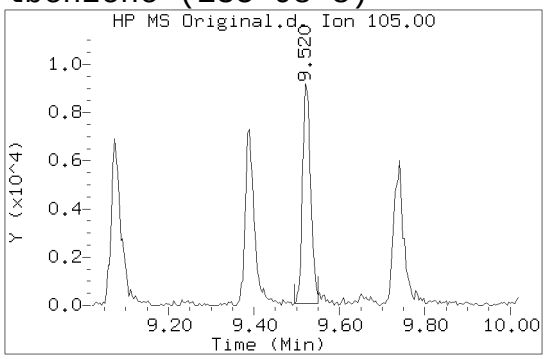
Data File : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061503.D
Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

sec-Butylbenzene (135-98-8)

Reason Code:

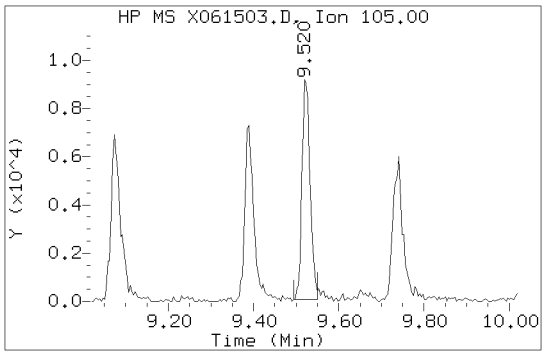
BEFORE

MASS
105
AREA
12512
HEIGHT
9130
20-Jun-2023
18:22
linh
pham



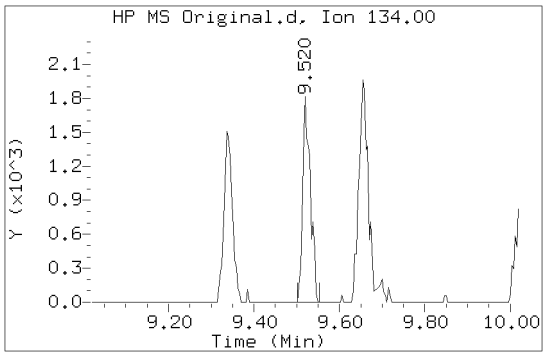
AFTER

MASS
105
AREA
12512
HEIGHT
9130
20-Jun-2023
18:22
linh
pham



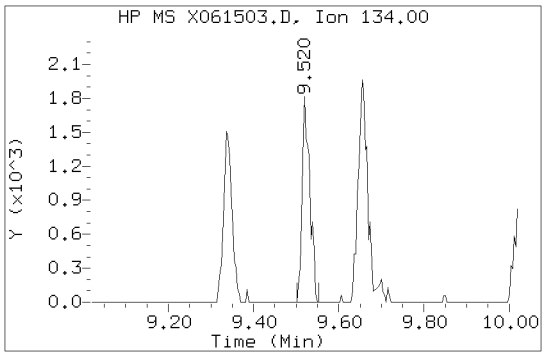
BEFORE

MASS
134
AREA
2345
HEIGHT
1816
20-Jun-2023
18:22
linh
pham



AFTER

MASS
134
AREA
2345
HEIGHT
1816
20-Jun-2023
18:22
linh
pham

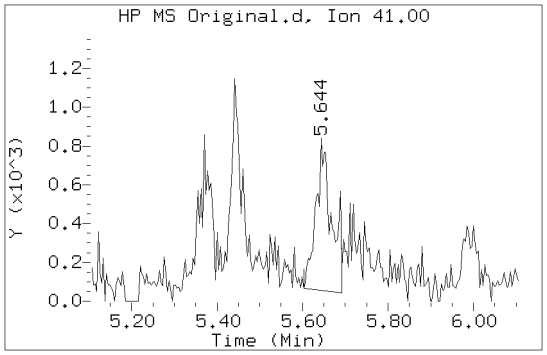


Methyl Methacrylate (80-62-6)

Reason Code:

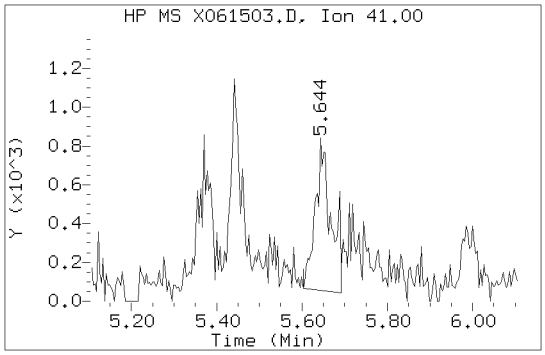
BEFORE

MASS
41
AREA
1972
HEIGHT
785
20-Jun-2023
18:22
linh
pham



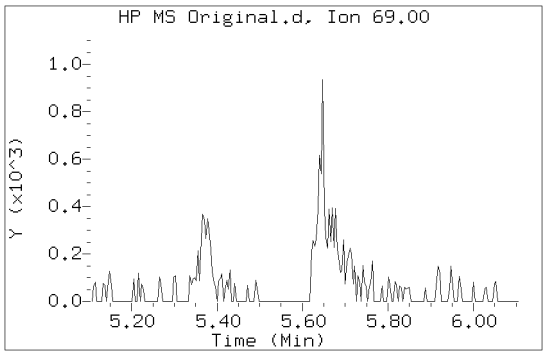
AFTER

MASS
41
AREA
1972
HEIGHT
785
20-Jun-2023
18:22
linh
pham



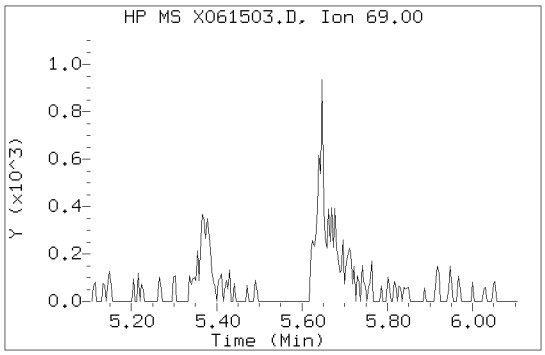
BEFORE

MASS
69
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



AFTER

MASS
69
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham

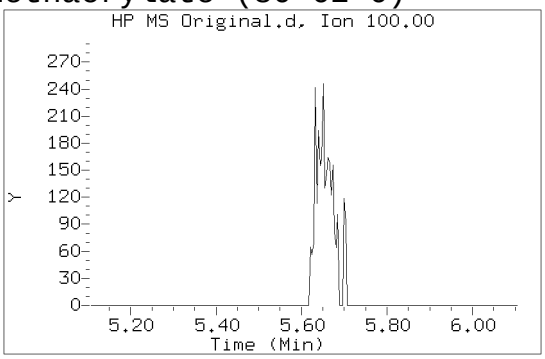


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Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

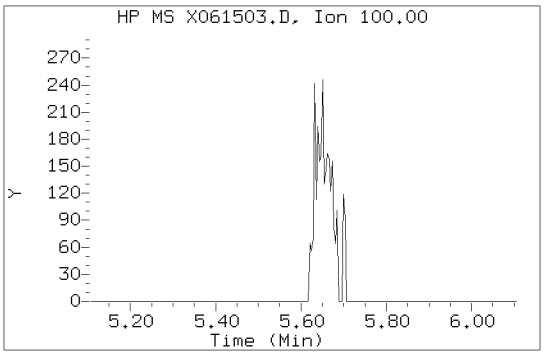
Methyl Methacrylate (80-62-6)

Reason Code:

BEFORE
MASS
100
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



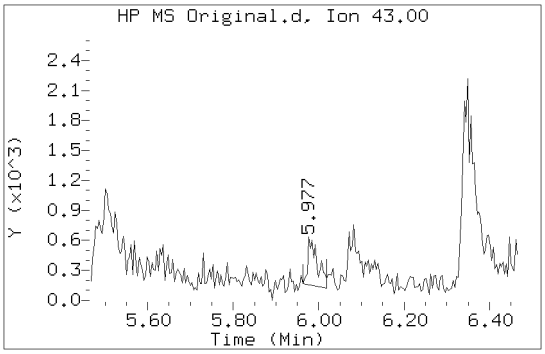
AFTER
MASS
100
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



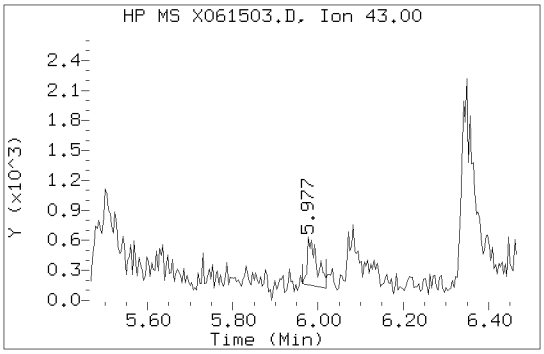
2-Nitropropane (79-46-9)

Reason Code:

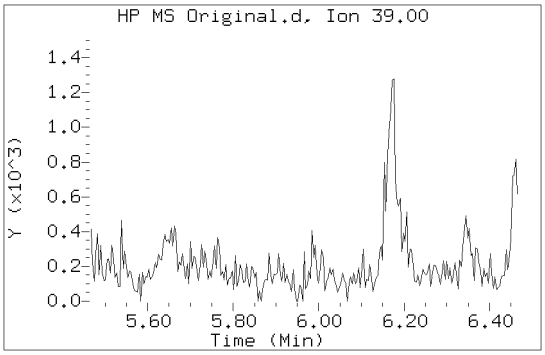
BEFORE
MASS
43
AREA
747
HEIGHT
478
20-Jun-2023
18:22
linh
pham



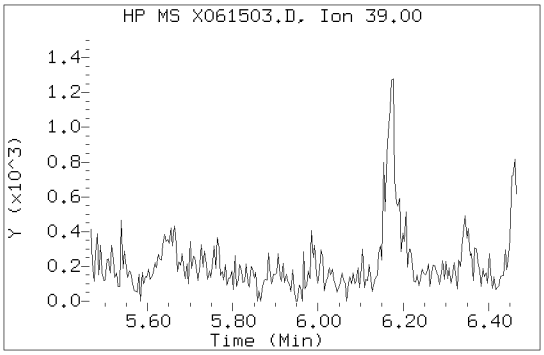
AFTER
MASS
43
AREA
747
HEIGHT
478
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
39
AREA
1700
HEIGHT
750
20-Jun-2023
18:22
linh
pham



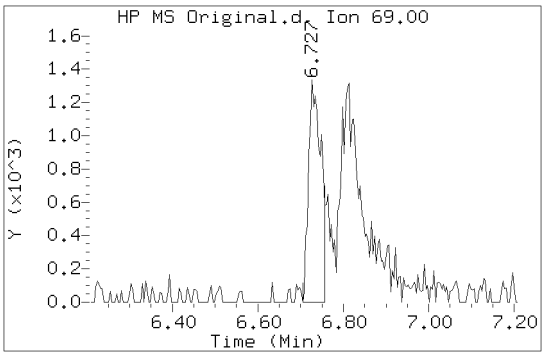
AFTER
MASS
39
AREA
1700
HEIGHT
750
20-Jun-2023
18:22
linh
pham



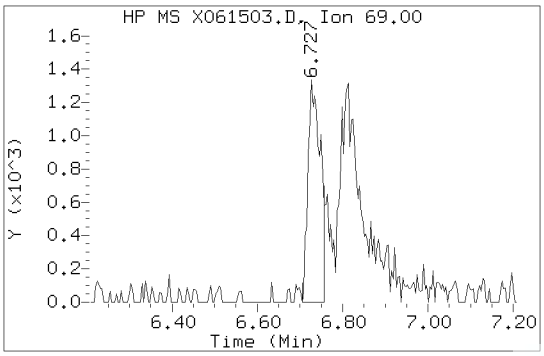
Ethyl Methacrylate (97-63-2)

Reason Code:

BEFORE
MASS
69
AREA
2688
HEIGHT
1335
20-Jun-2023
18:22
linh
pham



AFTER
MASS
69
AREA
2688
HEIGHT
1335
20-Jun-2023
18:22
linh
pham



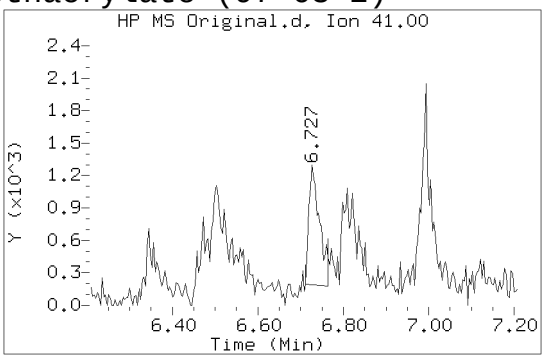
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Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

Ethyl Methacrylate (97-63-2)

Reason Code:

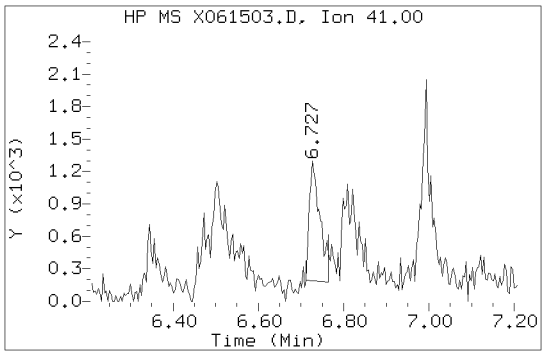
BEFORE

MASS
41
AREA
1926
HEIGHT
1109
20-Jun-2023
18:22
linh
pham



AFTER

MASS
41
AREA
1926
HEIGHT
1109
20-Jun-2023
18:22
linh
pham

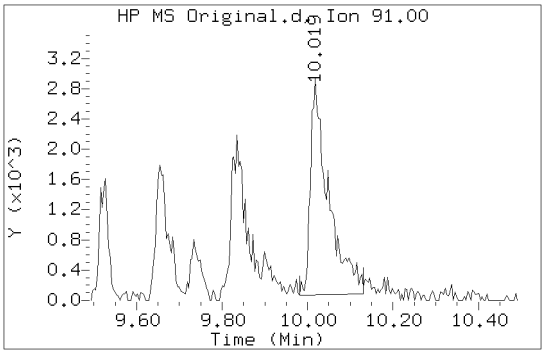


n-Butylbenzene (104-51-8)

Reason Code:

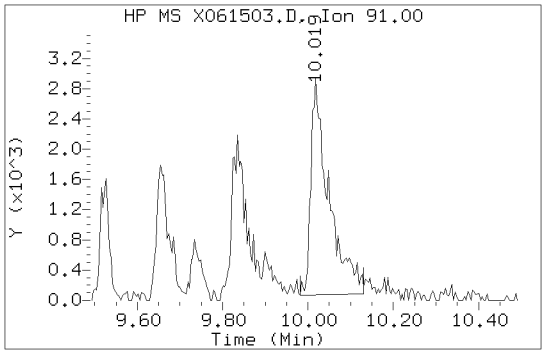
BEFORE

MASS
91
AREA
8377
HEIGHT
2859
20-Jun-2023
18:22
linh
pham



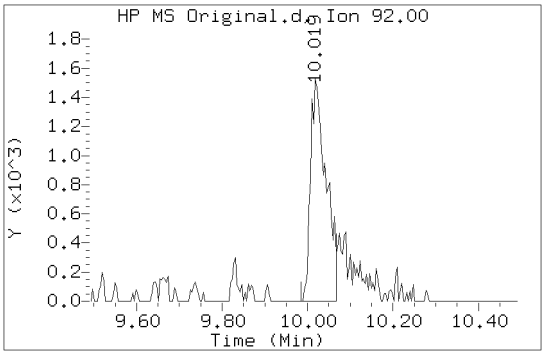
AFTER

MASS
91
AREA
8377
HEIGHT
2859
20-Jun-2023
18:22
linh
pham



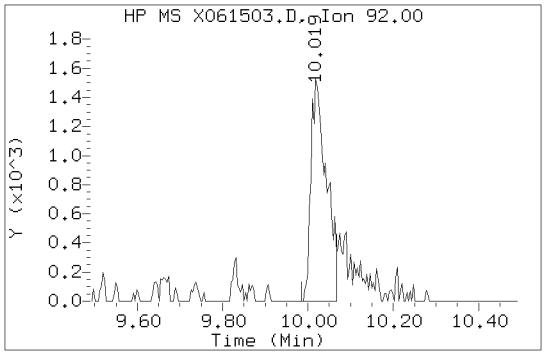
BEFORE

MASS
92
AREA
3858
HEIGHT
1527
20-Jun-2023
18:22
linh
pham



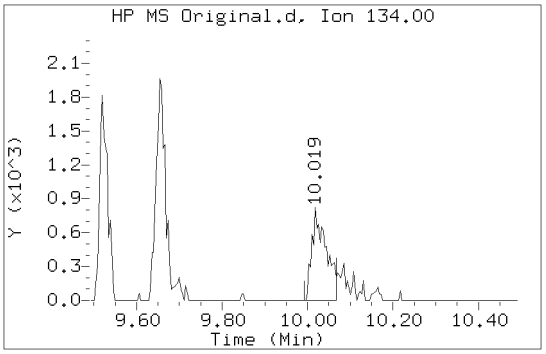
AFTER

MASS
92
AREA
3858
HEIGHT
1527
20-Jun-2023
18:22
linh
pham



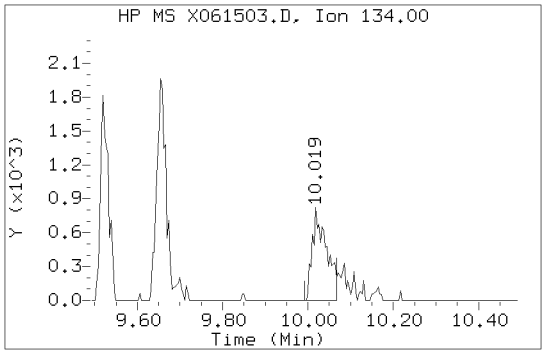
BEFORE

MASS
134
AREA
1911
HEIGHT
821
20-Jun-2023
18:22
linh
pham



AFTER

MASS
134
AREA
1911
HEIGHT
821
20-Jun-2023
18:22
linh
pham

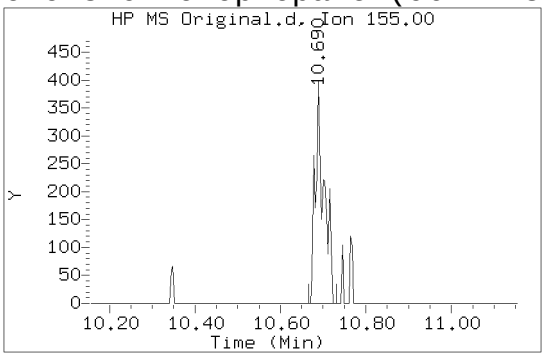


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InstruID : voa6.i
LabSampID : VSTD000.5

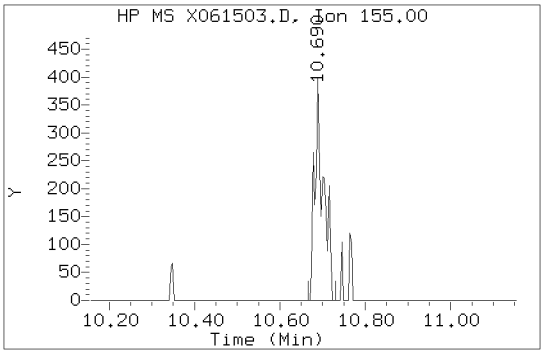
1,2-Dibromo-3-Chloropropane (96-12-8)

Reason Code:

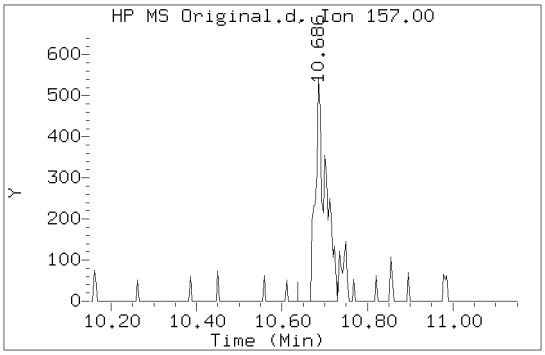
BEFORE
MASS
155
AREA
562
HEIGHT
397
20-Jun-2023
18:22
linh
pham



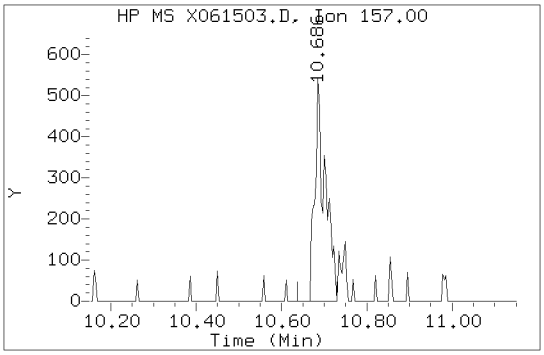
AFTER
MASS
155
AREA
562
HEIGHT
397
20-Jun-2023
18:22
linh
pham



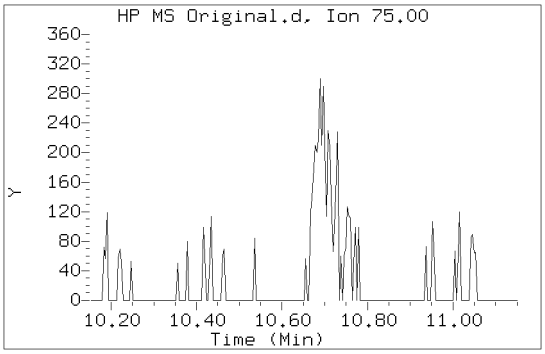
BEFORE
MASS
157
AREA
909
HEIGHT
541
20-Jun-2023
18:22
linh
pham



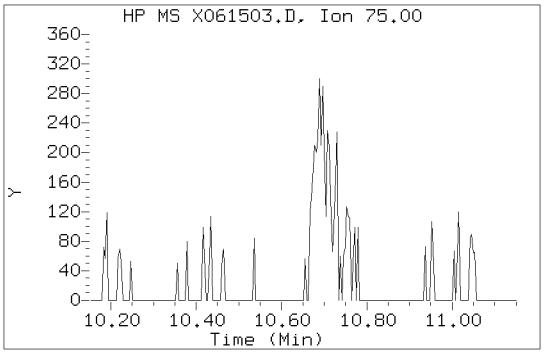
AFTER
MASS
157
AREA
909
HEIGHT
541
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
75
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



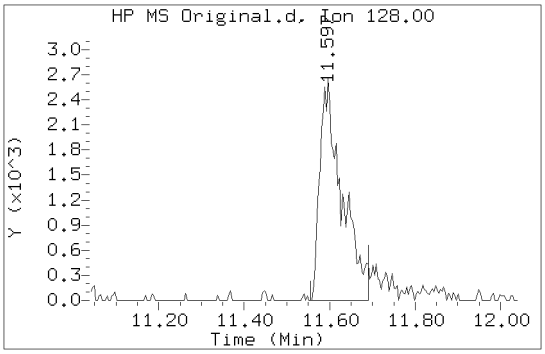
AFTER
MASS
75
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



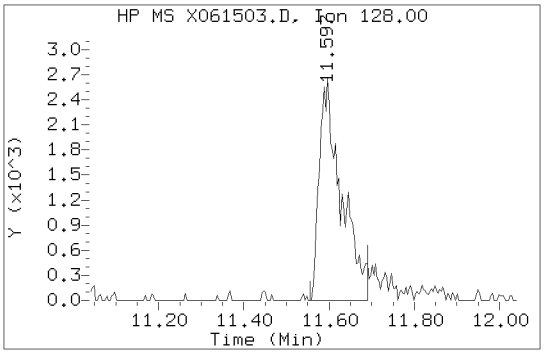
Naphthalene (91-20-3)

Reason Code:

BEFORE
MASS
128
AREA
9500
HEIGHT
2653
20-Jun-2023
18:22
linh
pham



AFTER
MASS
128
AREA
9500
HEIGHT
2653
20-Jun-2023
18:22
linh
pham

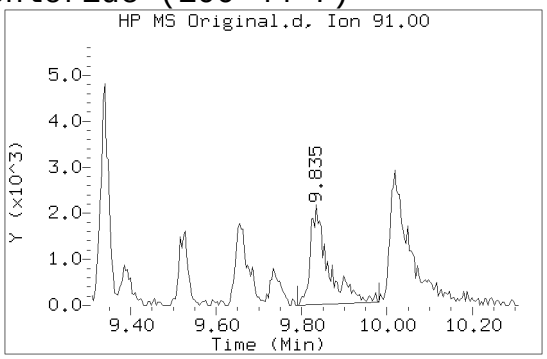


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InstruID : voa6.i
LabSampID : VSTD000.5

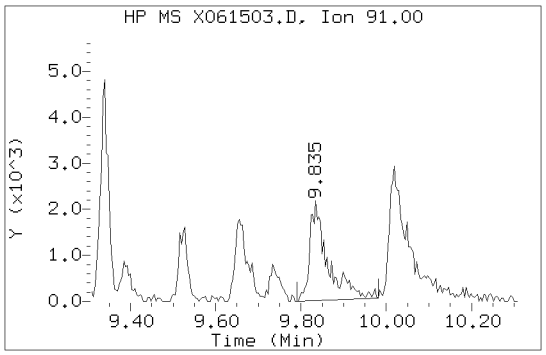
Benzyl Chloride (100-44-7)

Reason Code:

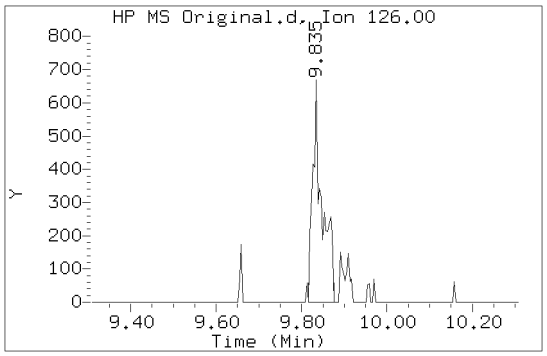
BEFORE
MASS
91
AREA
6300
HEIGHT
2173
20-Jun-2023
18:22
linh
pham



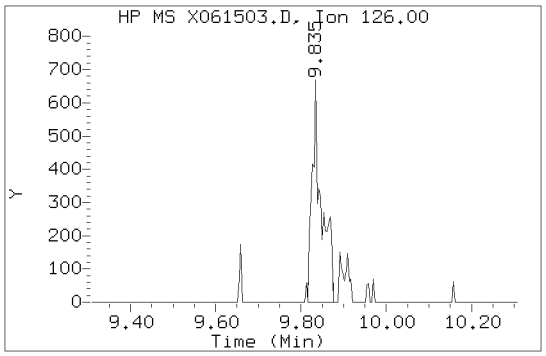
AFTER
MASS
91
AREA
6300
HEIGHT
2173
20-Jun-2023
18:22
linh
pham



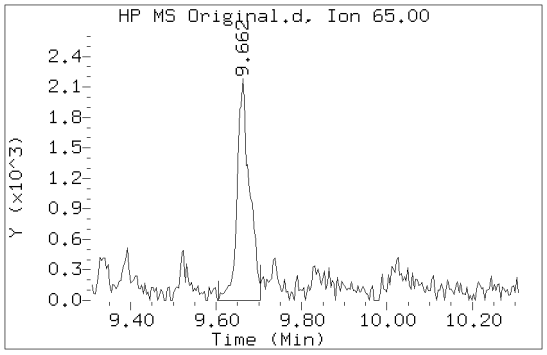
BEFORE
MASS
126
AREA
1021
HEIGHT
669
20-Jun-2023
18:22
linh
pham



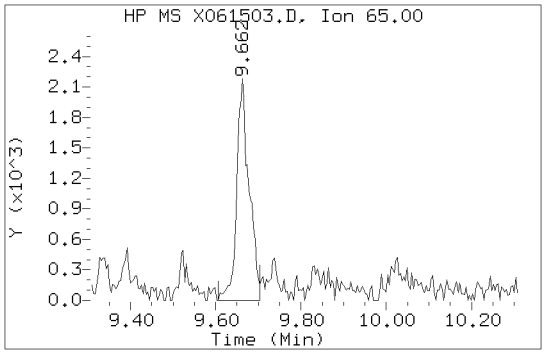
AFTER
MASS
126
AREA
1021
HEIGHT
669
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
65
AREA
4393
HEIGHT
2182
20-Jun-2023
18:22
linh
pham



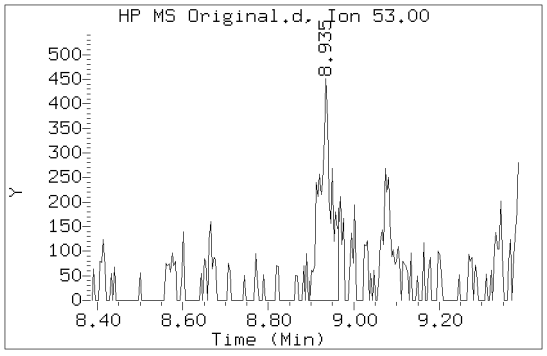
AFTER
MASS
65
AREA
4393
HEIGHT
2182
20-Jun-2023
18:22
linh
pham



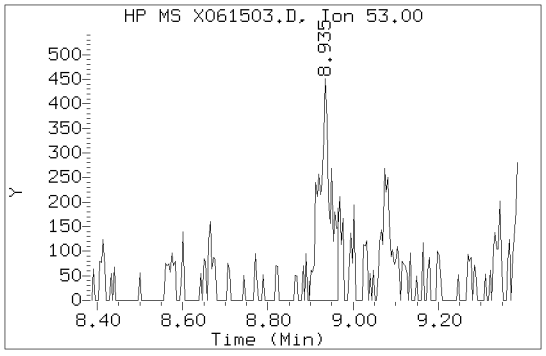
trans-1,4-Dichloro-2-butene (110-57-6)

Reason Code:

BEFORE
MASS
53
AREA
838
HEIGHT
451
20-Jun-2023
18:22
linh
pham



AFTER
MASS
53
AREA
838
HEIGHT
451
20-Jun-2023
18:22
linh
pham



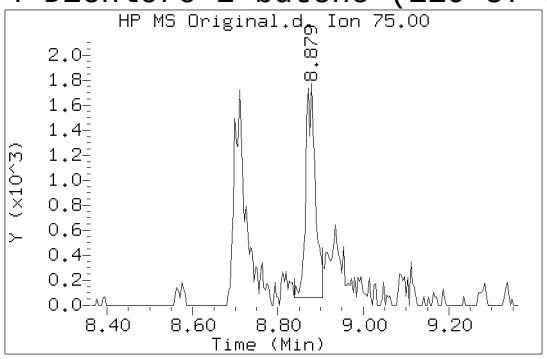
Data File : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061503.D
Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

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

Reason Code:

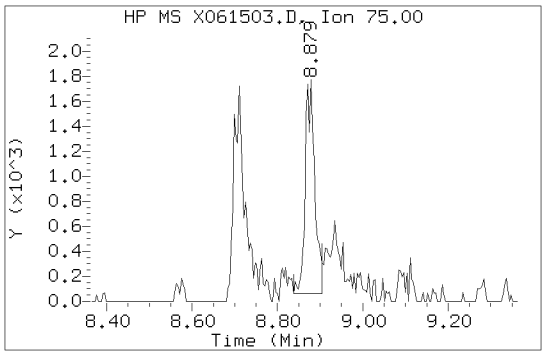
BEFORE

MASS
75
AREA
2689
HEIGHT
1711
20-Jun-2023
18:22
linh
pham



AFTER

MASS
75
AREA
2689
HEIGHT
1711
20-Jun-2023
18:22
linh
pham

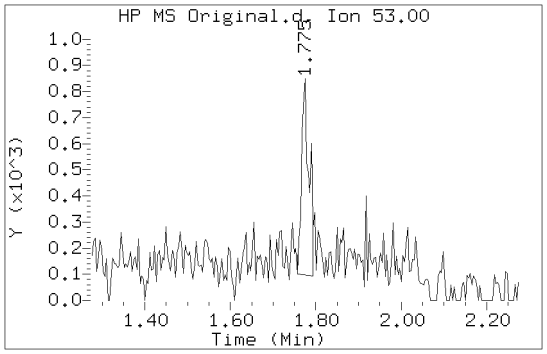


Chloroprene (126-99-8)

Reason Code:

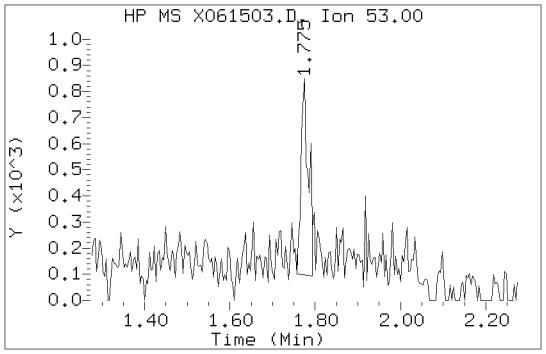
BEFORE

MASS
53
AREA
937
HEIGHT
752
20-Jun-2023
18:22
linh
pham



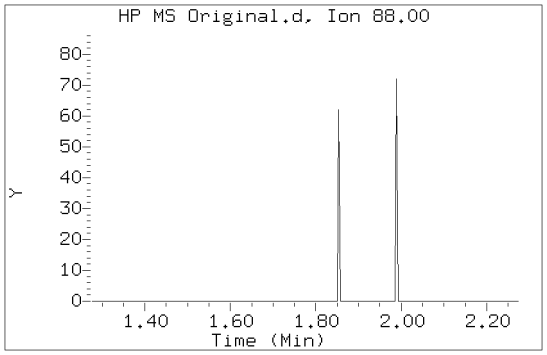
AFTER

MASS
53
AREA
937
HEIGHT
752
20-Jun-2023
18:22
linh
pham



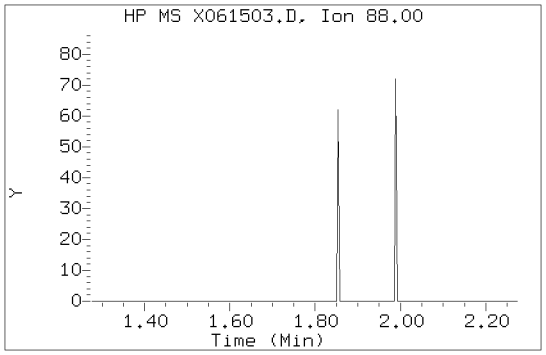
BEFORE

MASS
88
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



AFTER

MASS
88
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham

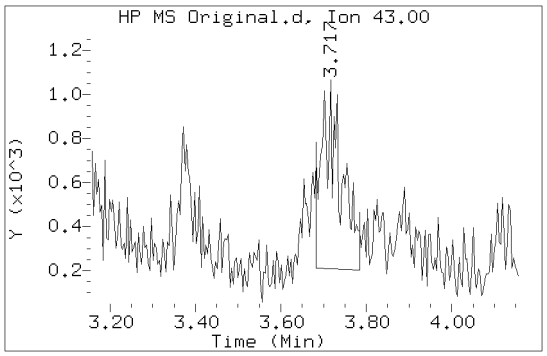


Ethyl Acetate (141-78-6)

Reason Code:

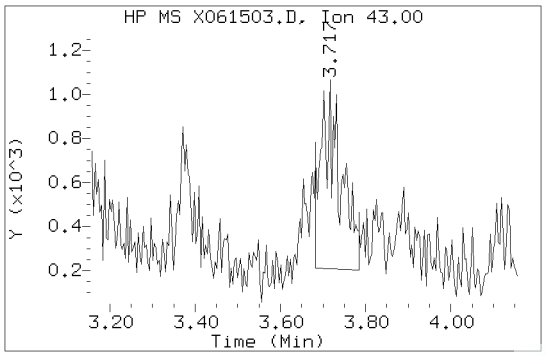
BEFORE

MASS
43
AREA
2678
HEIGHT
857
20-Jun-2023
18:22
linh
pham



AFTER

MASS
43
AREA
2678
HEIGHT
857
20-Jun-2023
18:22
linh
pham

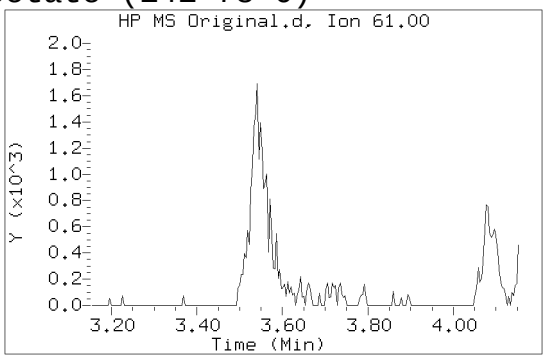


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Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

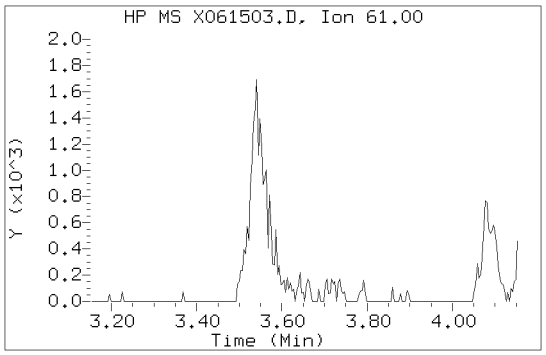
Ethyl Acetate (141-78-6)

Reason Code:

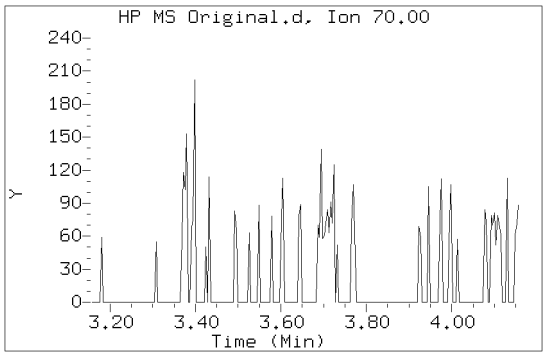
BEFORE
MASS
61
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



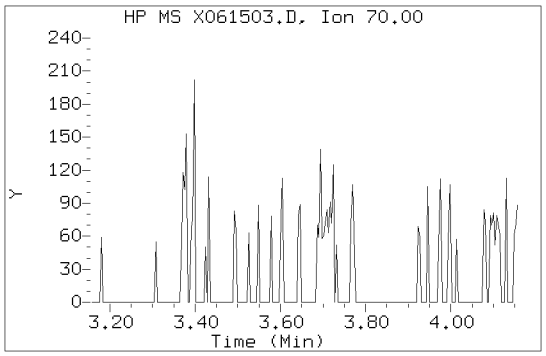
AFTER
MASS
61
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
70
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



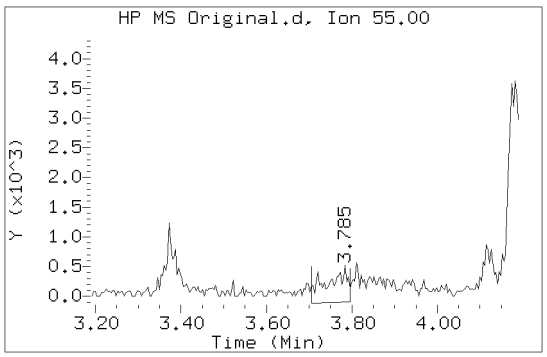
AFTER
MASS
70
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



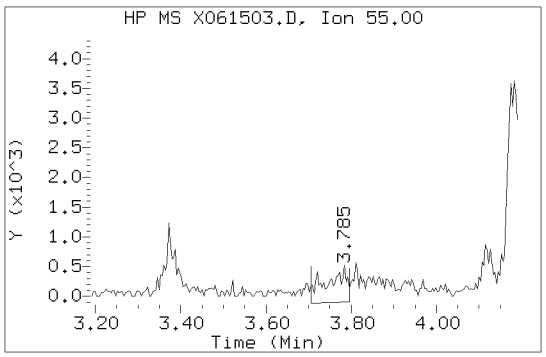
Methyl Acrylate (96-33-3)

Reason Code:

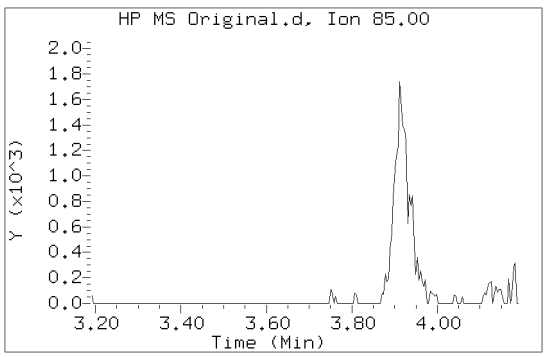
BEFORE
MASS
55
AREA
1944
HEIGHT
618
20-Jun-2023
18:22
linh
pham



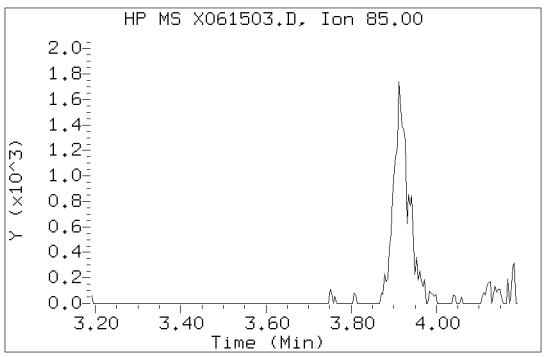
AFTER
MASS
55
AREA
1944
HEIGHT
618
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
85
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



AFTER
MASS
85
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham

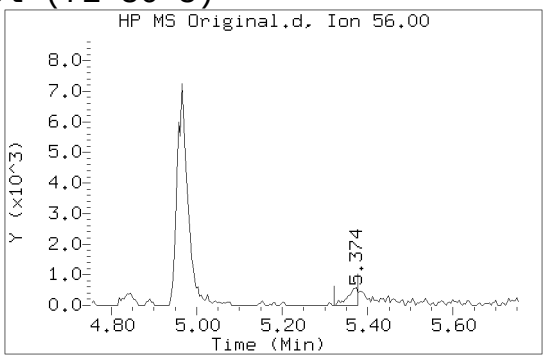


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LabSampID : VSTD000.5

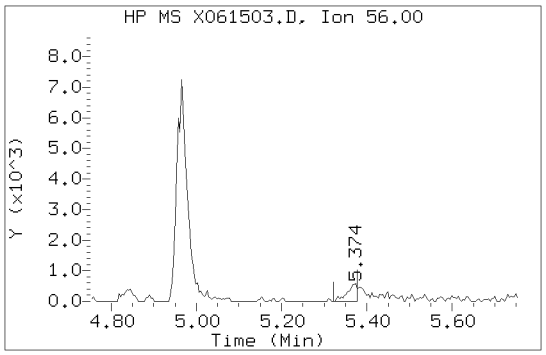
n-Butanol (71-36-3)

Reason Code:

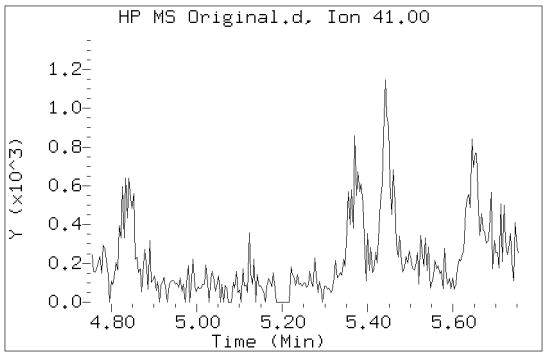
BEFORE
MASS
56
AREA
934
HEIGHT
597
20-Jun-2023
18:22
linh
pham



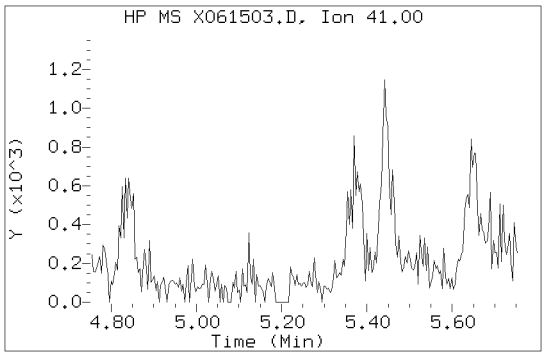
AFTER
MASS
56
AREA
934
HEIGHT
597
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
41
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



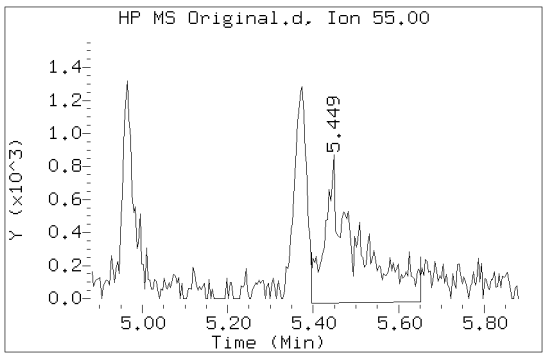
AFTER
MASS
41
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



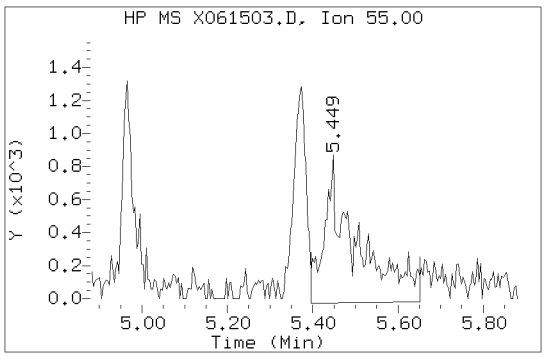
Ethyl Acrylate (140-88-5)

Reason Code:

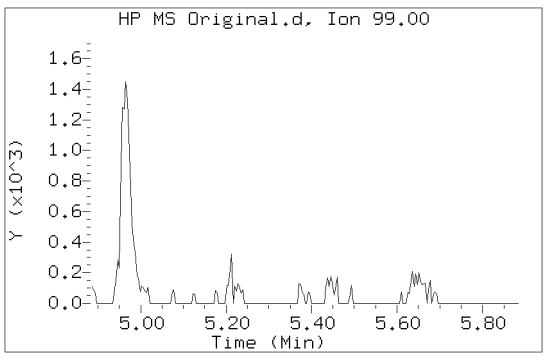
BEFORE
MASS
55
AREA
4696
HEIGHT
895
20-Jun-2023
18:22
linh
pham



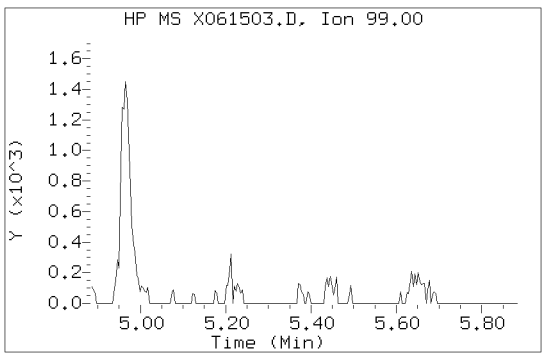
AFTER
MASS
55
AREA
4696
HEIGHT
895
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
99
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



AFTER
MASS
99
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham

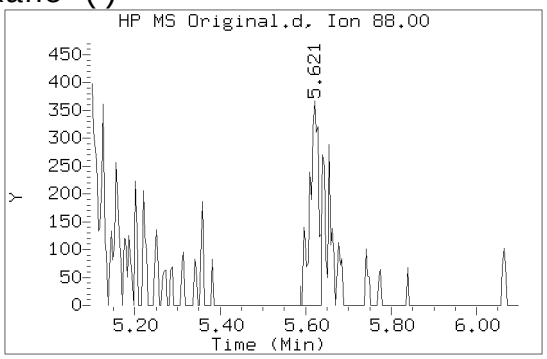


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LabSampID : VSTD000.5

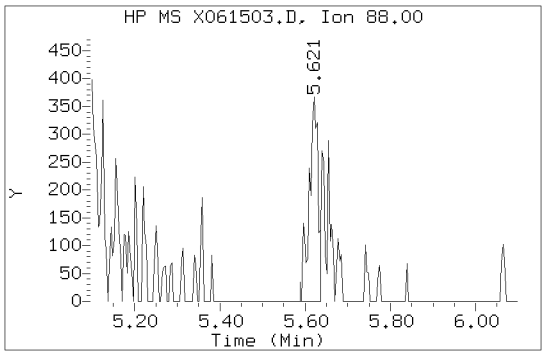
1,4-Dioxane ()

Reason Code:

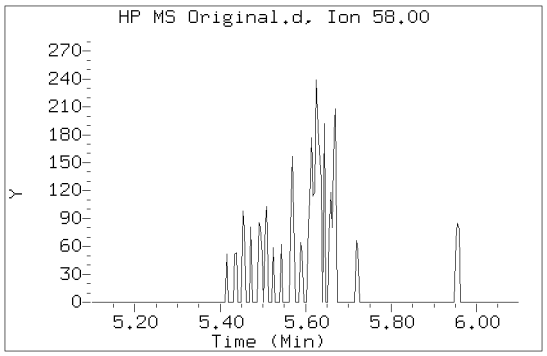
BEFORE
MASS
88
AREA
539
HEIGHT
367
20-Jun-2023
18:22
linh
pham



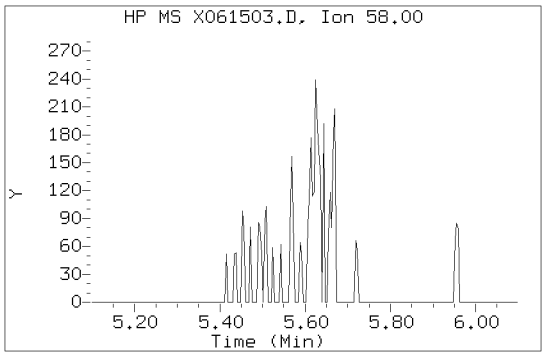
AFTER
MASS
88
AREA
539
HEIGHT
367
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
58
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



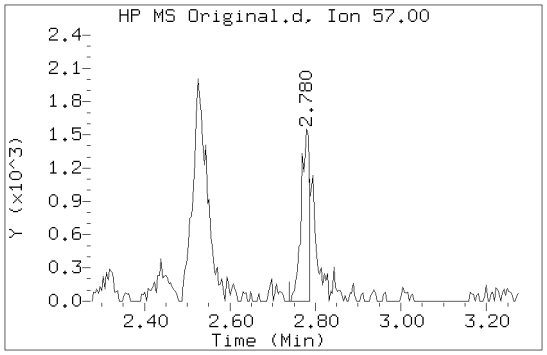
AFTER
MASS
58
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



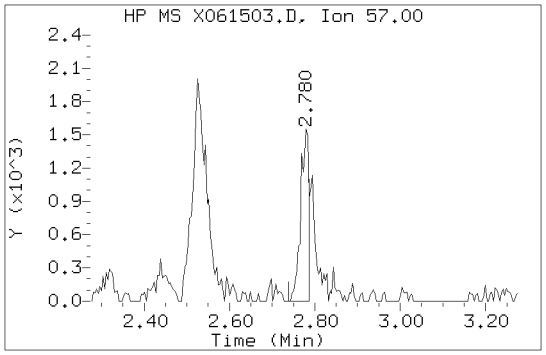
n-Hexane (110-54-3)

Reason Code:

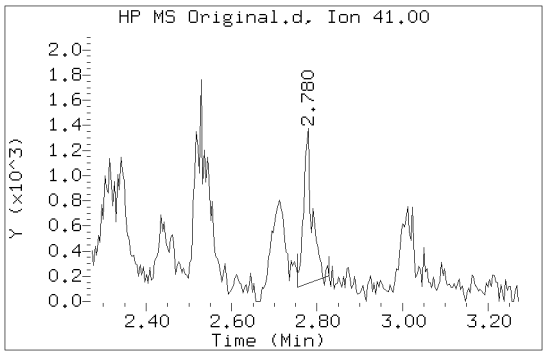
BEFORE
MASS
57
AREA
2120
HEIGHT
1552
20-Jun-2023
18:22
linh
pham



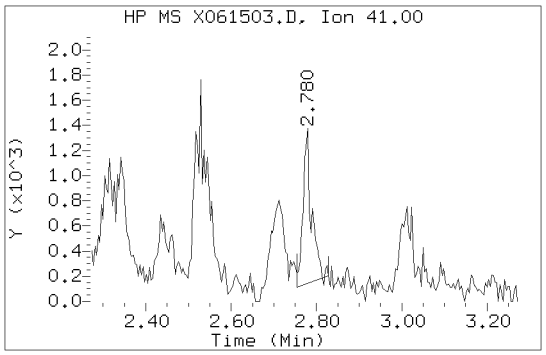
AFTER
MASS
57
AREA
2120
HEIGHT
1552
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
41
AREA
1753
HEIGHT
1232
20-Jun-2023
18:22
linh
pham



AFTER
MASS
41
AREA
1753
HEIGHT
1232
20-Jun-2023
18:22
linh
pham



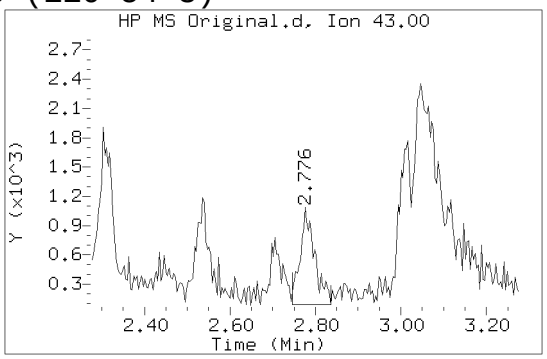
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Inj Date : 15-JUN-2023 11:36
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LabSampID : VSTD000.5

n-Hexane (110-54-3)

Reason Code:

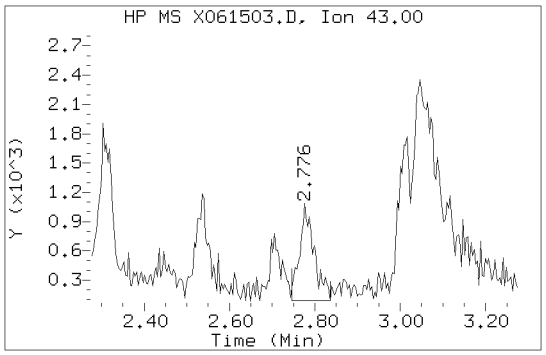
BEFORE

MASS
43
AREA
2389
HEIGHT
995
20-Jun-2023
18:22
linh
pham



AFTER

MASS
43
AREA
2389
HEIGHT
995
20-Jun-2023
18:22
linh
pham

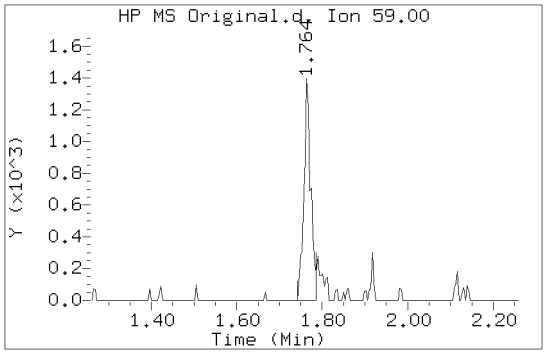


Diethyl ether (60-29-7)

Reason Code:

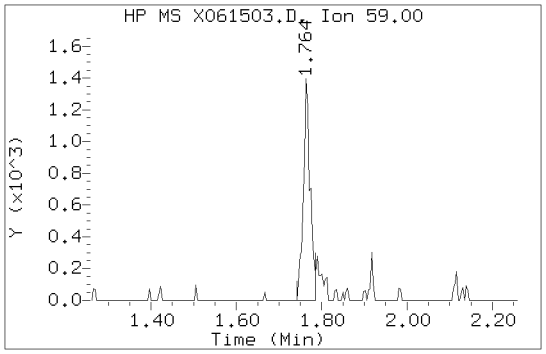
BEFORE

MASS
59
AREA
1591
HEIGHT
1396
20-Jun-2023
18:22
linh
pham



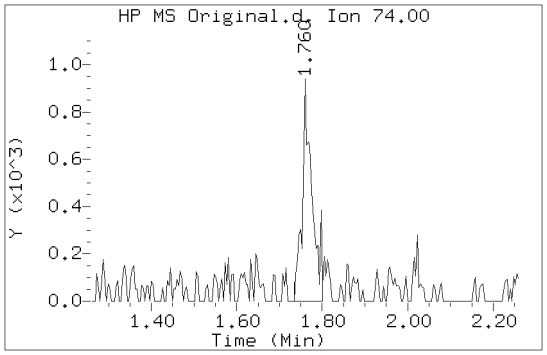
AFTER

MASS
59
AREA
1591
HEIGHT
1396
20-Jun-2023
18:22
linh
pham



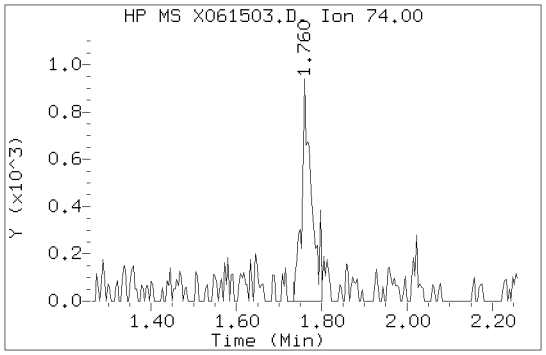
BEFORE

MASS
74
AREA
1526
HEIGHT
940
20-Jun-2023
18:22
linh
pham



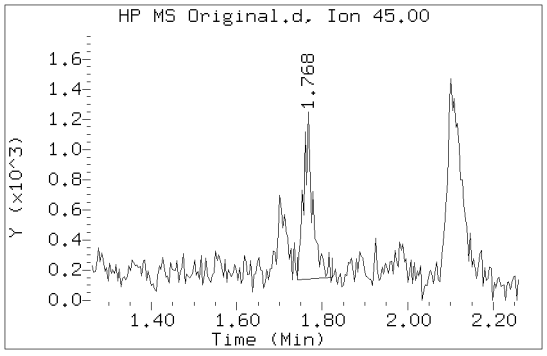
AFTER

MASS
74
AREA
1526
HEIGHT
940
20-Jun-2023
18:22
linh
pham



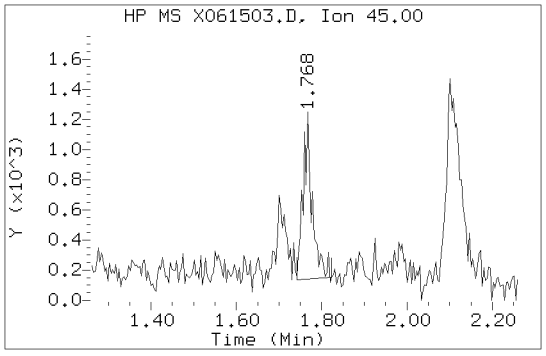
BEFORE

MASS
45
AREA
1636
HEIGHT
1108
20-Jun-2023
18:22
linh
pham



AFTER

MASS
45
AREA
1636
HEIGHT
1108
20-Jun-2023
18:22
linh
pham



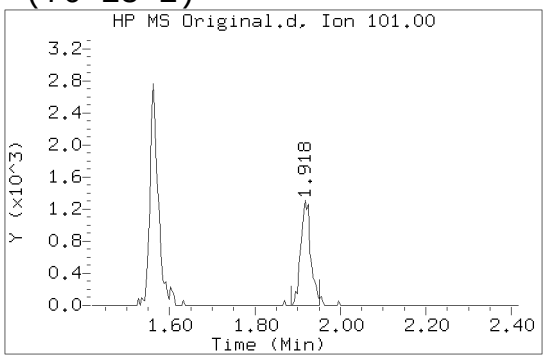
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Freon TF (76-13-1)

Reason Code:

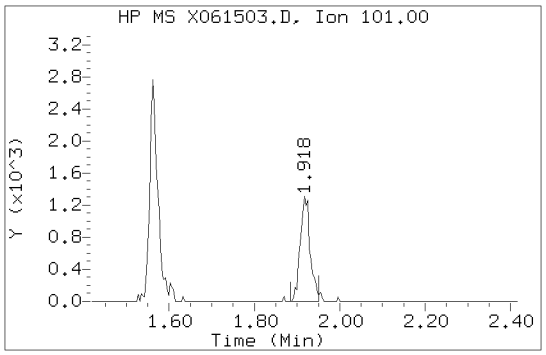
BEFORE

MASS
101
AREA
2188
HEIGHT
1312
20-Jun-2023
18:22
linh
pham



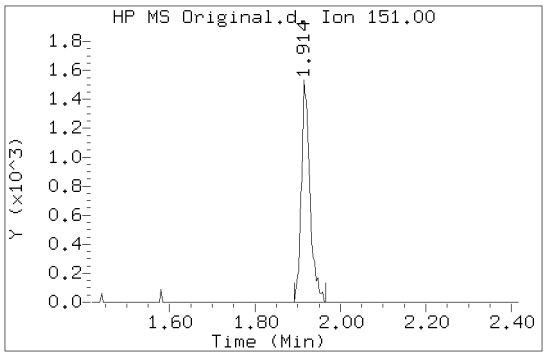
AFTER

MASS
101
AREA
2188
HEIGHT
1312
20-Jun-2023
18:22
linh
pham



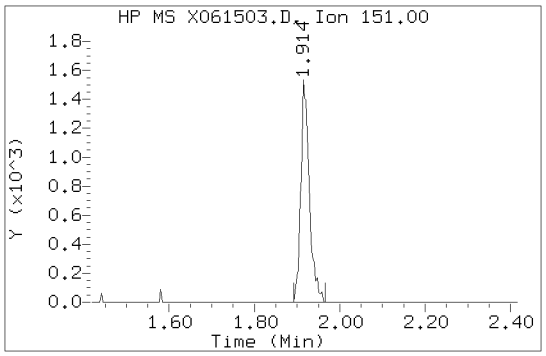
BEFORE

MASS
151
AREA
2200
HEIGHT
1534
20-Jun-2023
18:22
linh
pham



AFTER

MASS
151
AREA
2200
HEIGHT
1534
20-Jun-2023
18:22
linh
pham

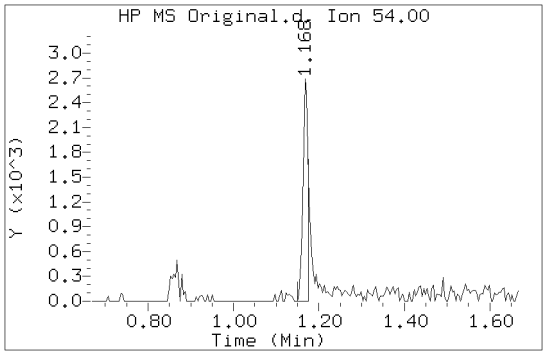


1,3-Butadiene (106-99-0)

Reason Code:

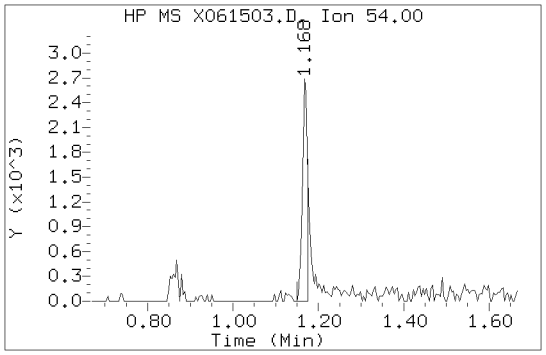
BEFORE

MASS
54
AREA
2248
HEIGHT
2688
20-Jun-2023
18:22
linh
pham



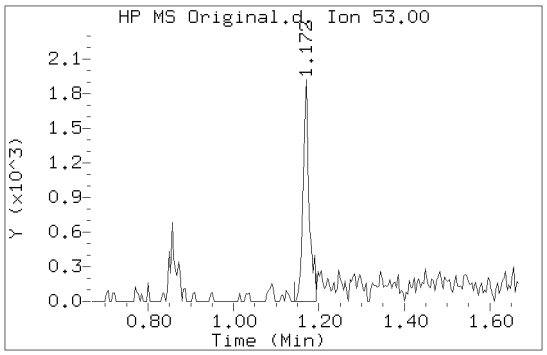
AFTER

MASS
54
AREA
2248
HEIGHT
2688
20-Jun-2023
18:22
linh
pham



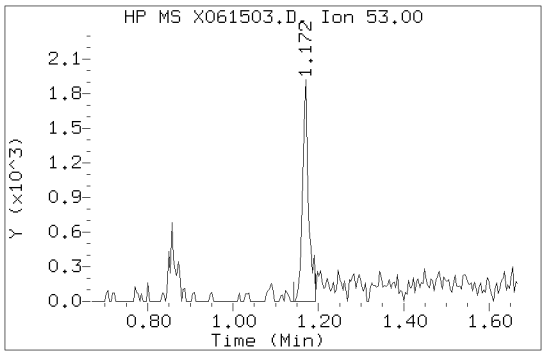
BEFORE

MASS
53
AREA
1960
HEIGHT
1923
20-Jun-2023
18:22
linh
pham



AFTER

MASS
53
AREA
1960
HEIGHT
1923
20-Jun-2023
18:22
linh
pham

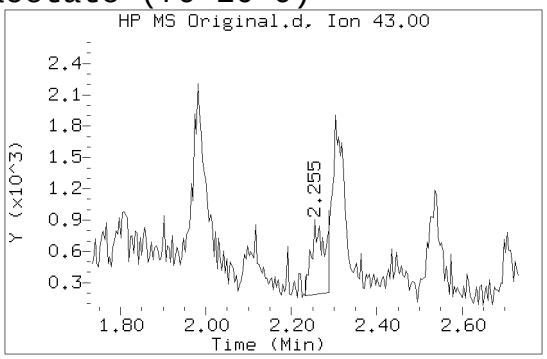


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Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

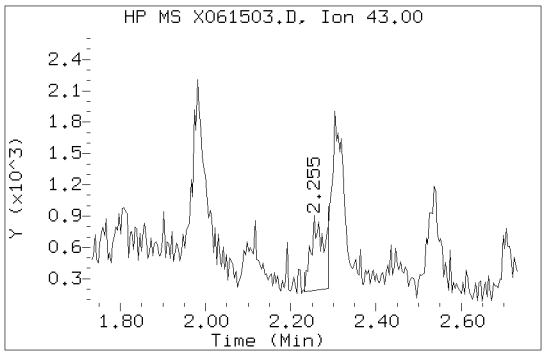
Methyl acetate (79-20-9)

Reason Code:

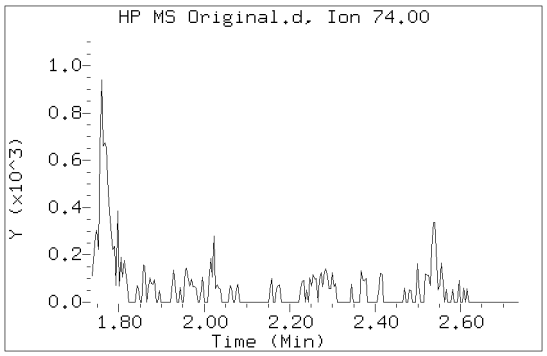
BEFORE
MASS
43
AREA
1514
HEIGHT
716
20-Jun-2023
18:22
linh
pham



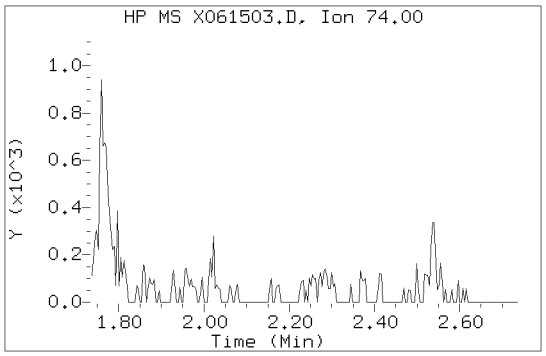
AFTER
MASS
43
AREA
1514
HEIGHT
716
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
74
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



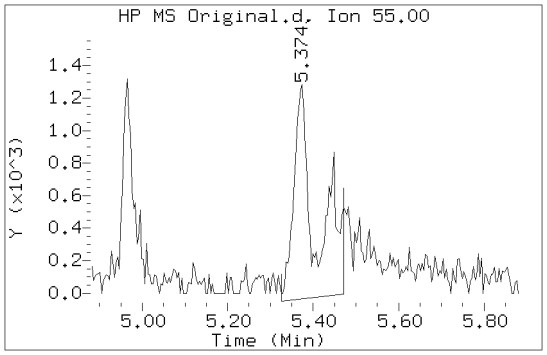
AFTER
MASS
74
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



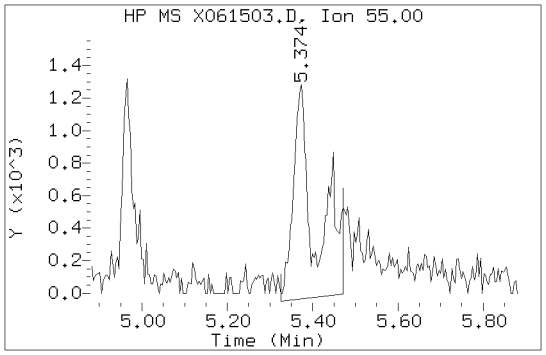
Methylcyclohexane (108-87-2)

Reason Code:

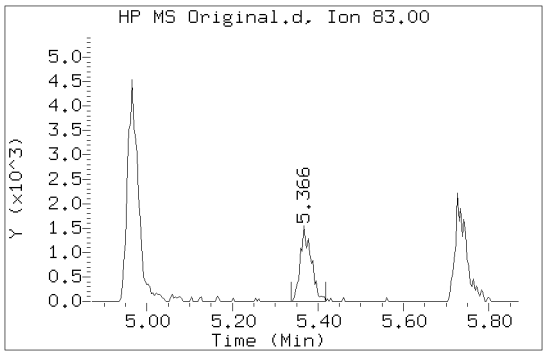
BEFORE
MASS
55
AREA
4698
HEIGHT
1316
20-Jun-2023
18:22
linh
pham



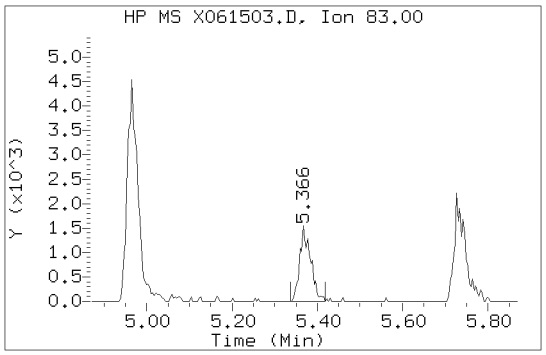
AFTER
MASS
55
AREA
4698
HEIGHT
1316
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
83
AREA
2765
HEIGHT
1543
20-Jun-2023
18:22
linh
pham



AFTER
MASS
83
AREA
2765
HEIGHT
1543
20-Jun-2023
18:22
linh
pham

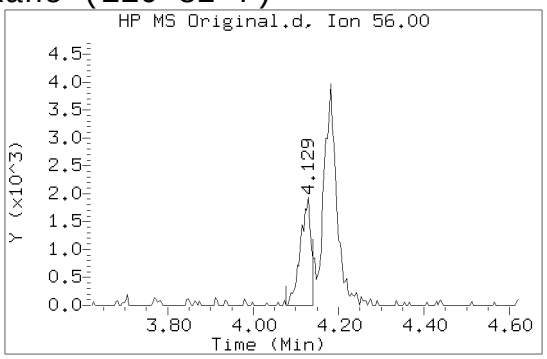


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Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

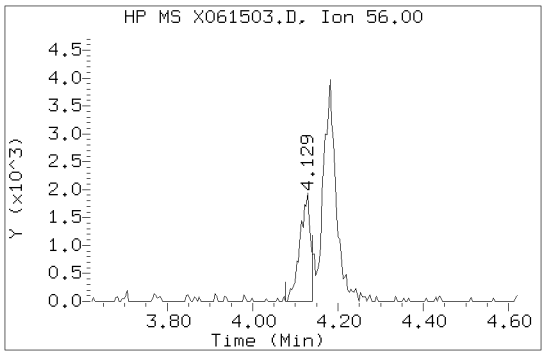
Cyclohexane (110-82-7)

Reason Code:

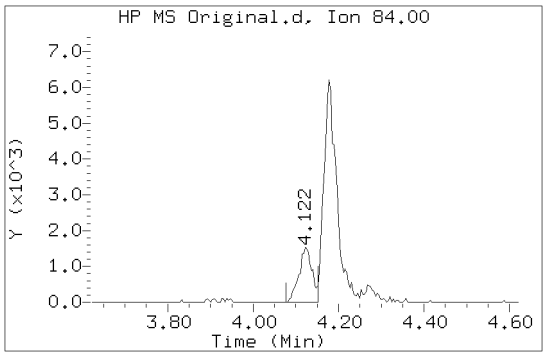
BEFORE
MASS
56
AREA
3419
HEIGHT
1943
20-Jun-2023
18:22
linh
pham



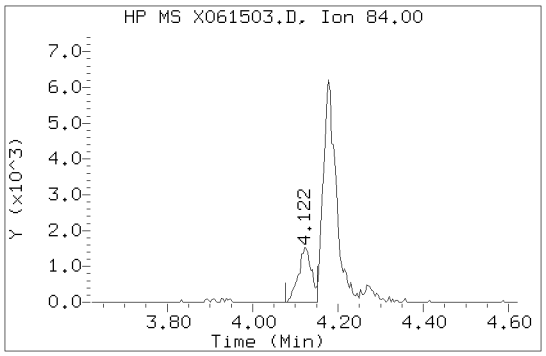
AFTER
MASS
56
AREA
3419
HEIGHT
1943
20-Jun-2023
18:22
linh
pham



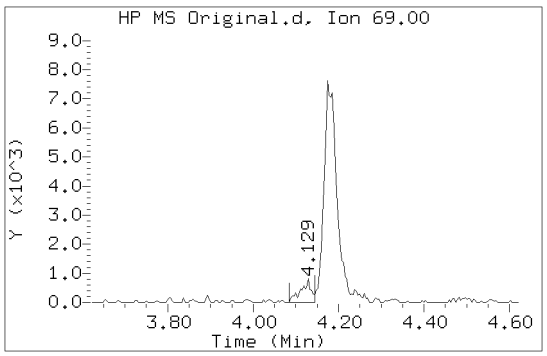
BEFORE
MASS
84
AREA
3364
HEIGHT
1527
20-Jun-2023
18:22
linh
pham



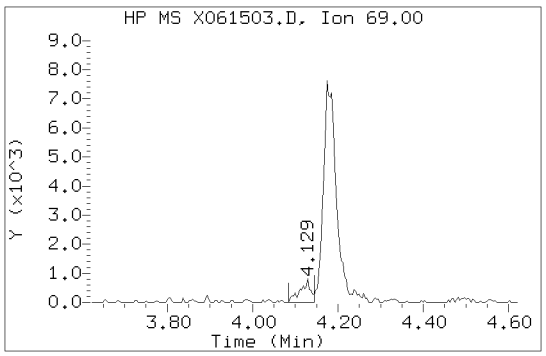
AFTER
MASS
84
AREA
3364
HEIGHT
1527
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
69
AREA
1355
HEIGHT
815
20-Jun-2023
18:22
linh
pham



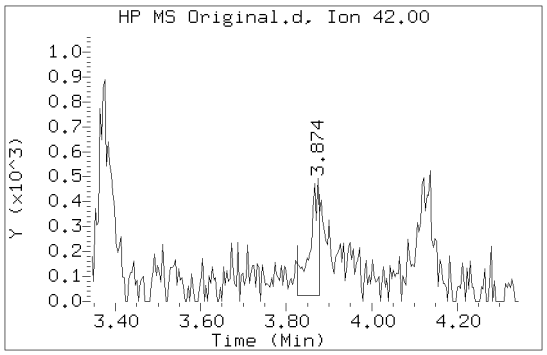
AFTER
MASS
69
AREA
1355
HEIGHT
815
20-Jun-2023
18:22
linh
pham



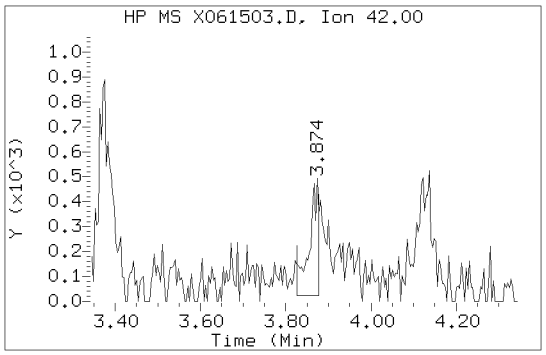
Tetrahydrofuran (109-99-9)

Reason Code:

BEFORE
MASS
42
AREA
724
HEIGHT
470
20-Jun-2023
18:22
linh
pham



AFTER
MASS
42
AREA
724
HEIGHT
470
20-Jun-2023
18:22
linh
pham

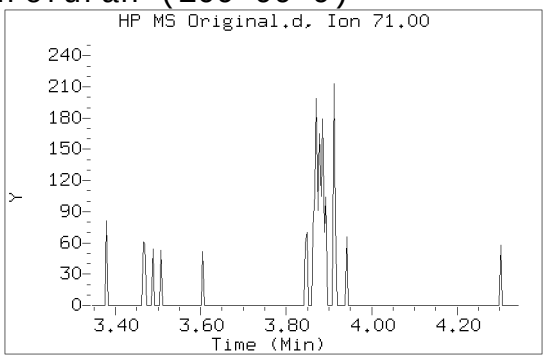


Data File : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061503.D
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InstruID : voa6.i
LabSampID : VSTD000.5

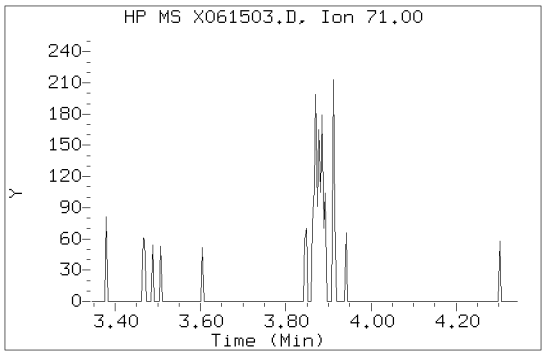
Tetrahydrofuran (109-99-9)

Reason Code:

BEFORE
MASS
71
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



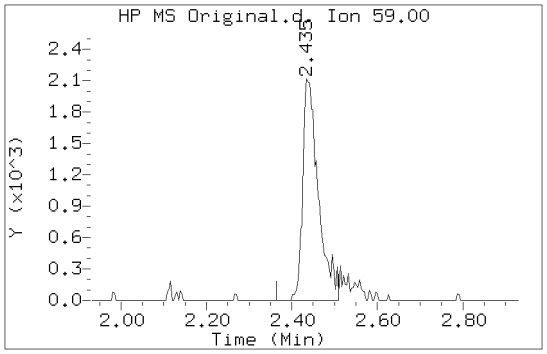
AFTER
MASS
71
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



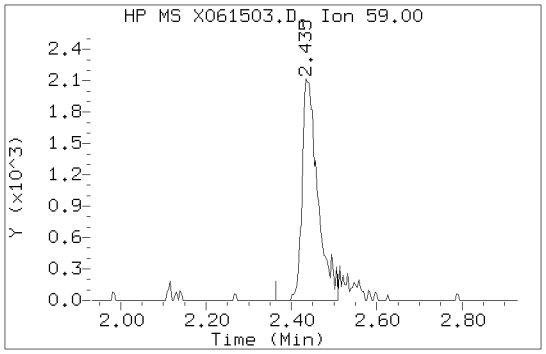
Tert-butyl alcohol (75-65-0)

Reason Code:

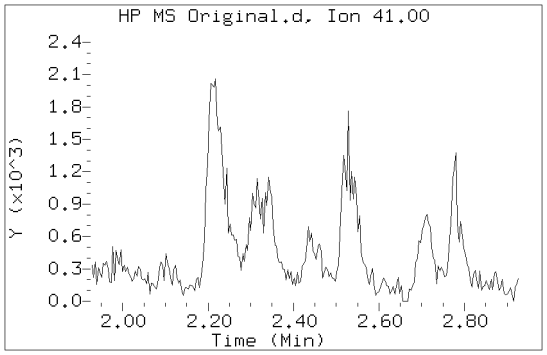
BEFORE
MASS
59
AREA
5403
HEIGHT
2119
20-Jun-2023
18:22
linh
pham



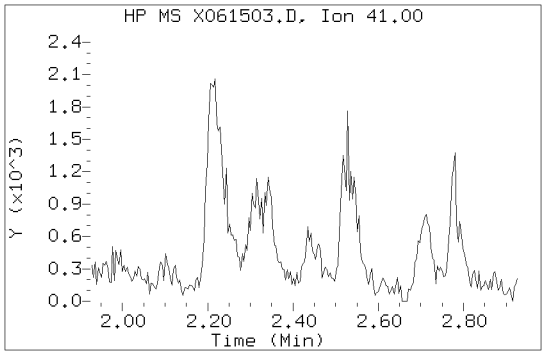
AFTER
MASS
59
AREA
5403
HEIGHT
2119
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
41
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



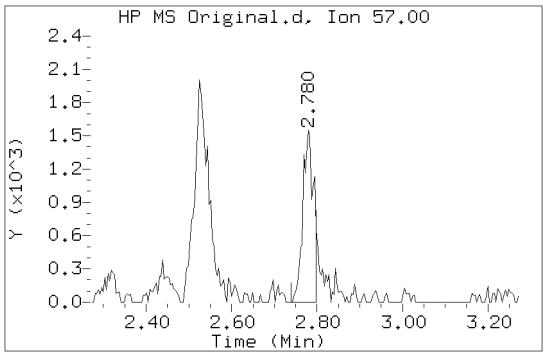
AFTER
MASS
41
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



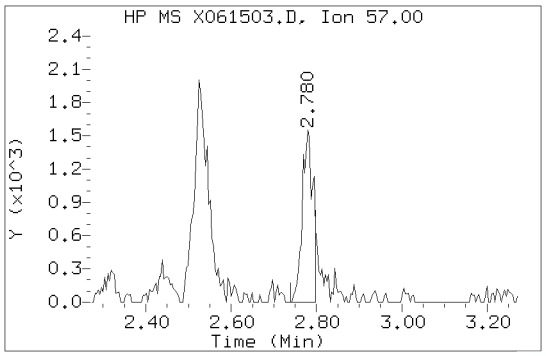
Allyl alcohol (107-18-6)

Reason Code:

BEFORE
MASS
57
AREA
2756
HEIGHT
1552
20-Jun-2023
18:22
linh
pham



AFTER
MASS
57
AREA
2756
HEIGHT
1552
20-Jun-2023
18:22
linh
pham

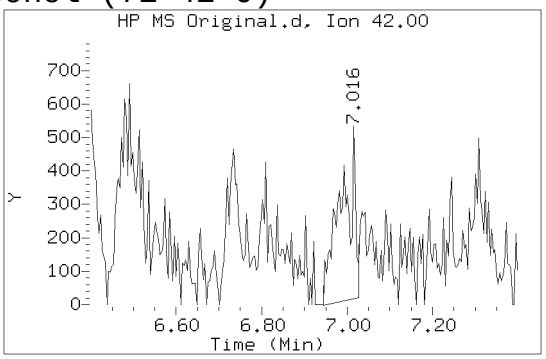


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Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

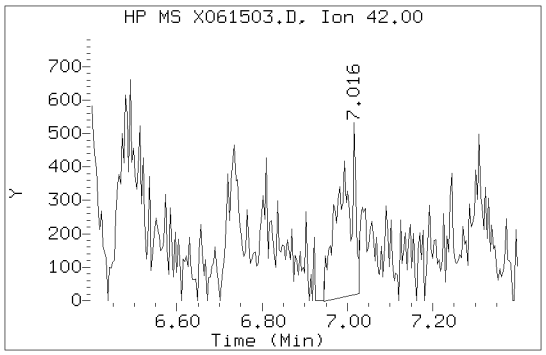
Amyl alcohol (71-41-0)

Reason Code:

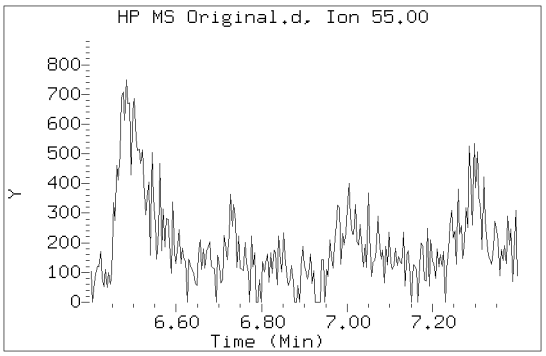
BEFORE
MASS
42
AREA
1185
HEIGHT
514
20-Jun-2023
18:22
linh
pham



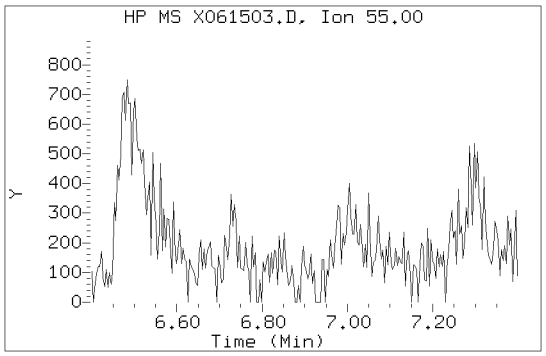
AFTER
MASS
42
AREA
1185
HEIGHT
514
20-Jun-2023
18:22
linh
pham



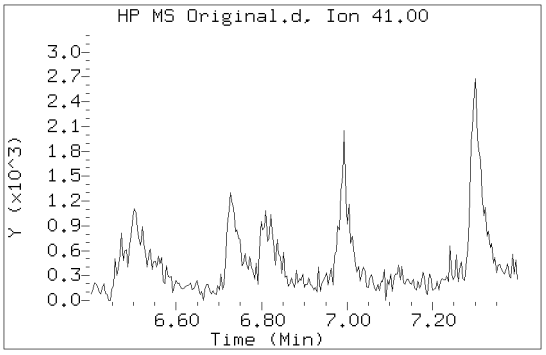
BEFORE
MASS
55
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



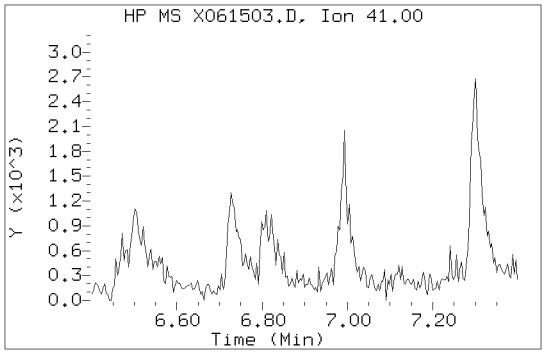
AFTER
MASS
55
AREA
0
HEIGHT
0
20-Jun-2023
18:22
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pham



BEFORE
MASS
41
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



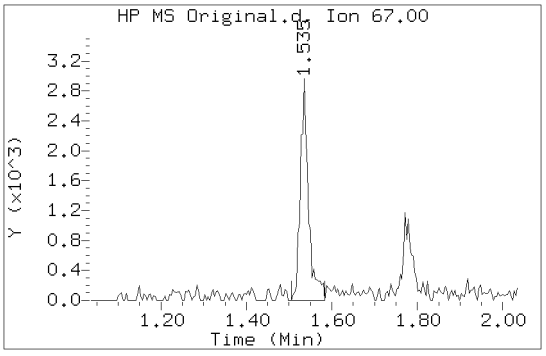
AFTER
MASS
41
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



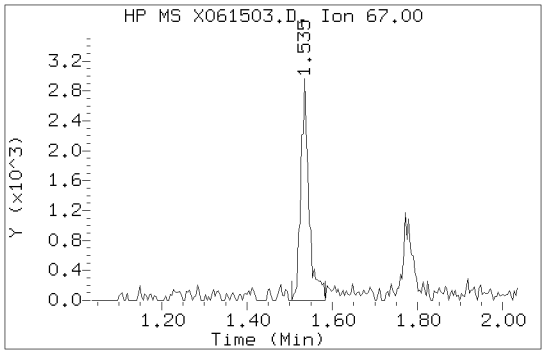
Dichlorofluoromethane (75-43-4)

Reason Code:

BEFORE
MASS
67
AREA
4041
HEIGHT
2965
20-Jun-2023
18:22
linh
pham



AFTER
MASS
67
AREA
4041
HEIGHT
2965
20-Jun-2023
18:22
linh
pham

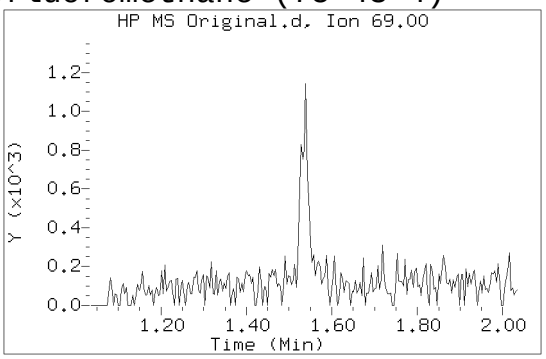


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Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

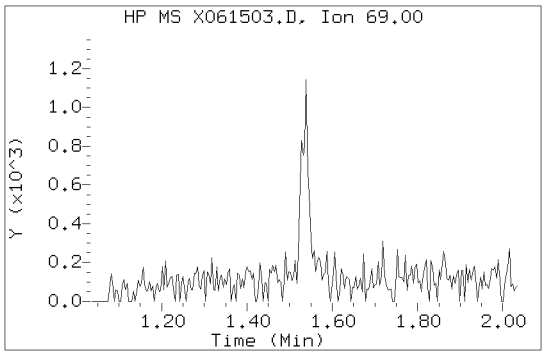
Dichlorofluoromethane (75-43-4)

Reason Code:

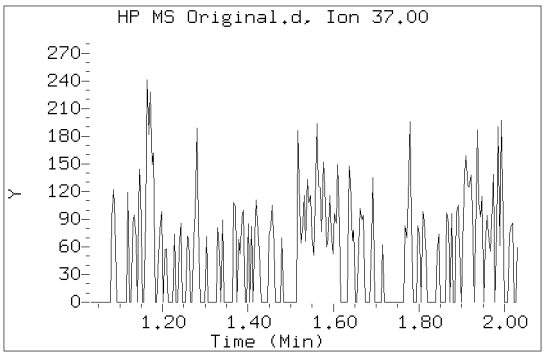
BEFORE
MASS
69
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



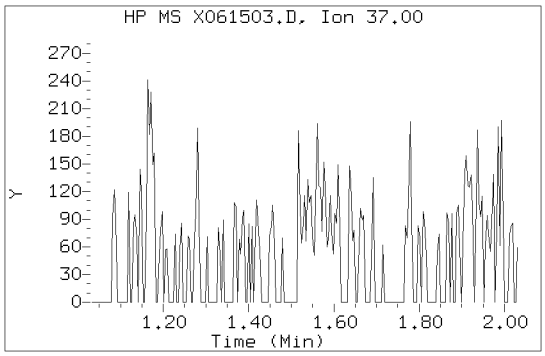
AFTER
MASS
69
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
37
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



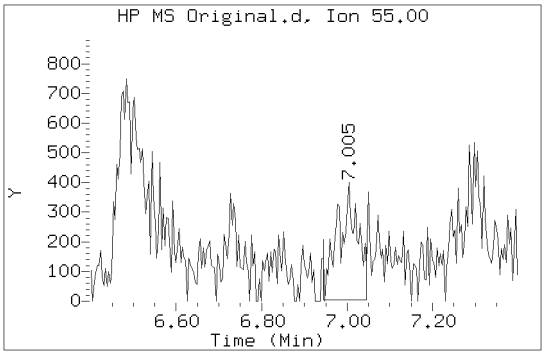
AFTER
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37
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HEIGHT
0
20-Jun-2023
18:22
linh
pham



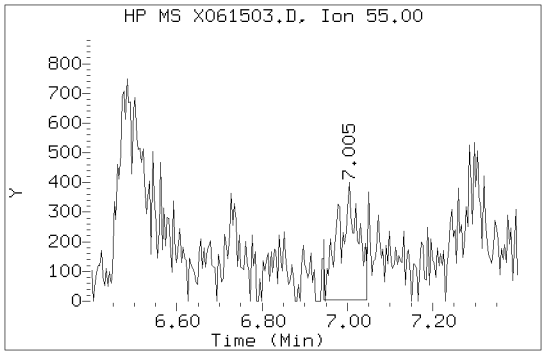
3-Methyl-1-butanol (123-51-3)

Reason Code:

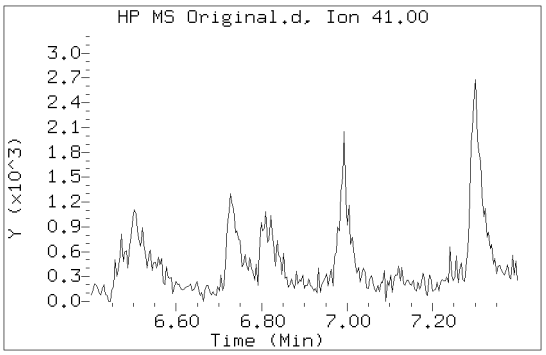
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MASS
55
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1270
HEIGHT
395
20-Jun-2023
18:22
linh
pham



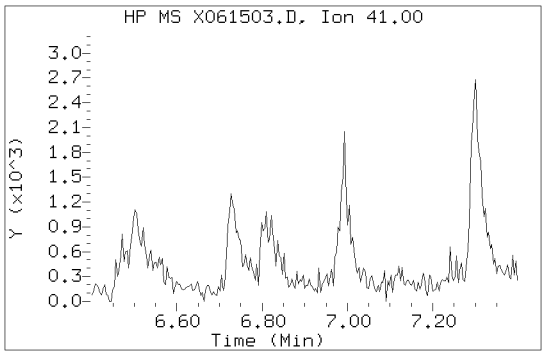
AFTER
MASS
55
AREA
1270
HEIGHT
395
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
41
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



AFTER
MASS
41
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



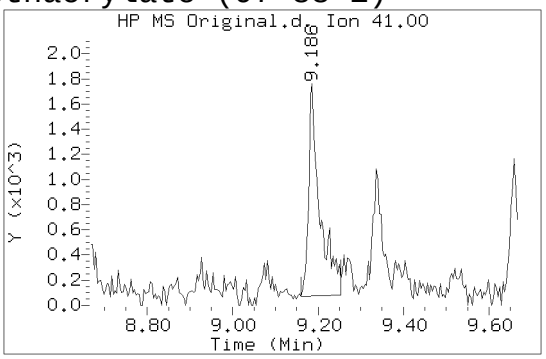
Data File : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061503.D
Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

Butyl methacrylate (97-88-1)

Reason Code:

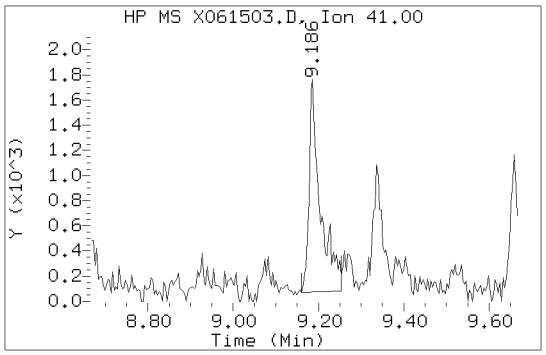
BEFORE

MASS
41
AREA
3107
HEIGHT
1689
20-Jun-2023
18:22
linh
pham



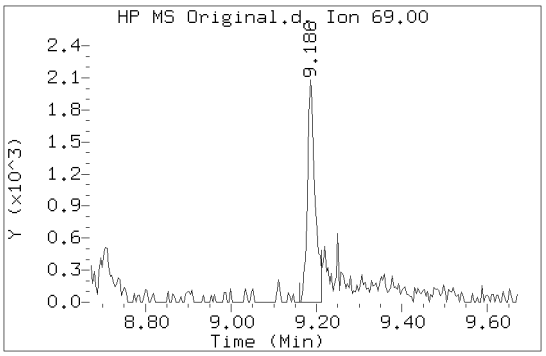
AFTER

MASS
41
AREA
3107
HEIGHT
1689
20-Jun-2023
18:22
linh
pham



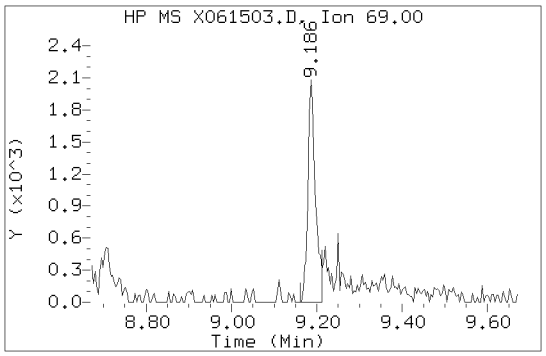
BEFORE

MASS
69
AREA
2593
HEIGHT
2081
20-Jun-2023
18:22
linh
pham



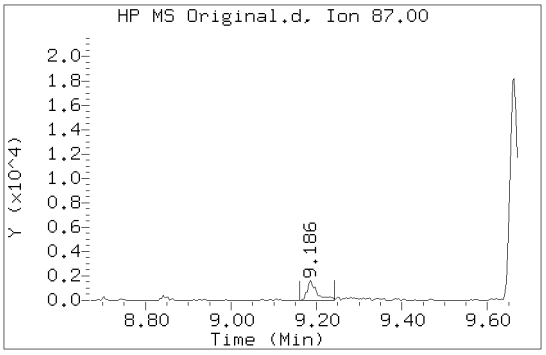
AFTER

MASS
69
AREA
2593
HEIGHT
2081
20-Jun-2023
18:22
linh
pham



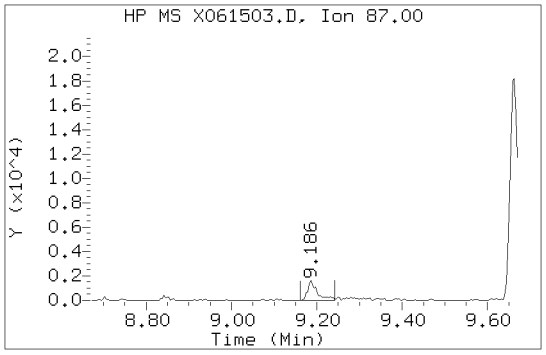
BEFORE

MASS
87
AREA
2538
HEIGHT
1610
20-Jun-2023
18:22
linh
pham



AFTER

MASS
87
AREA
2538
HEIGHT
1610
20-Jun-2023
18:22
linh
pham

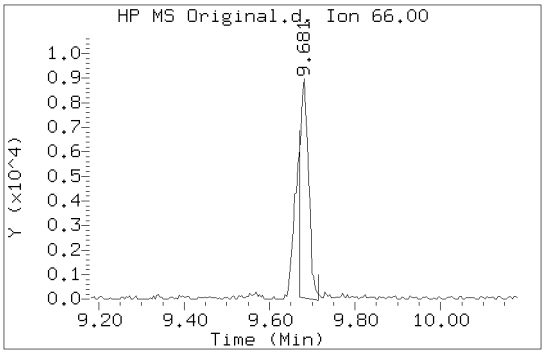


Dicyclopentadiene (77-73-6)

Reason Code:

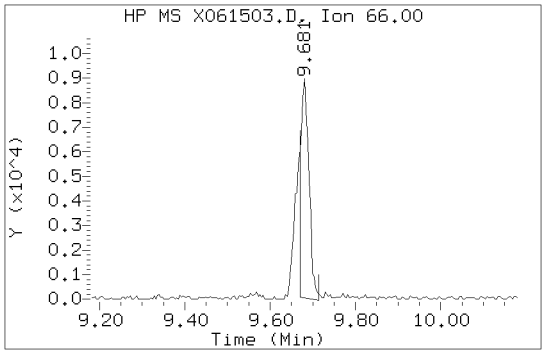
BEFORE

MASS
66
AREA
12411
HEIGHT
8929
20-Jun-2023
18:22
linh
pham



AFTER

MASS
66
AREA
12411
HEIGHT
8929
20-Jun-2023
18:22
linh
pham



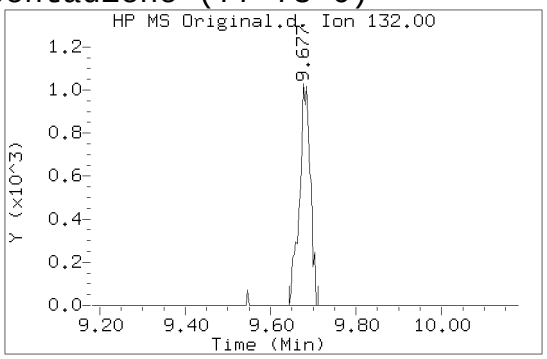
Data File : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061503.D
Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

Dicyclopentadiene (77-73-6)

Reason Code:

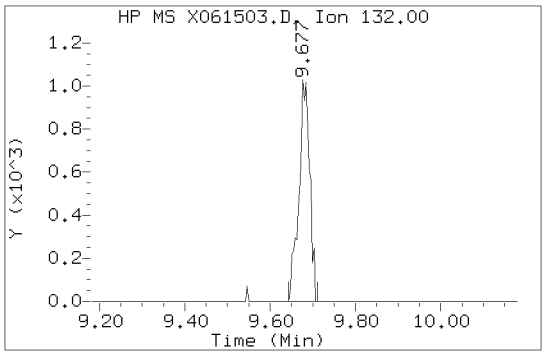
BEFORE

MASS
132
AREA
1844
HEIGHT
1029
20-Jun-2023
18:22
linh
pham



AFTER

MASS
132
AREA
1844
HEIGHT
1029
20-Jun-2023
18:22
linh
pham

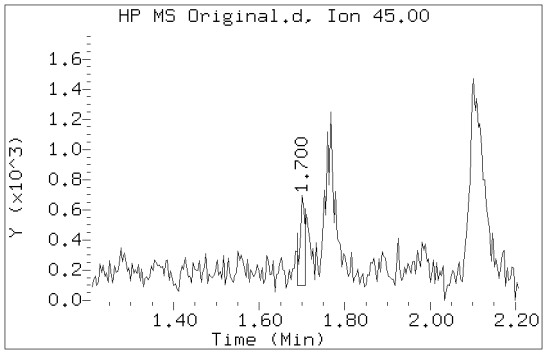


Ethanol (64-17-5)

Reason Code:

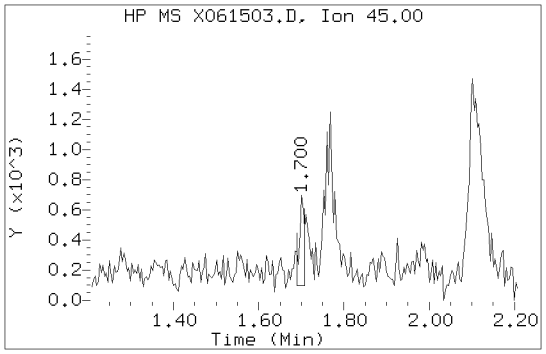
BEFORE

MASS
45
AREA
492
HEIGHT
597
20-Jun-2023
18:22
linh
pham



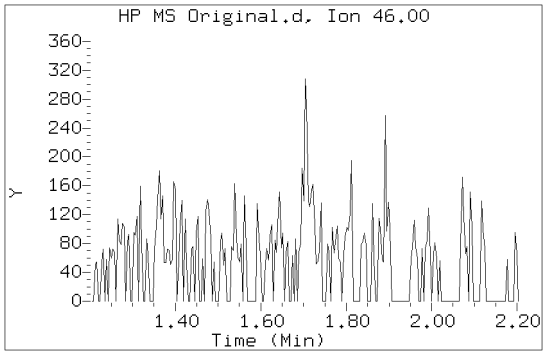
AFTER

MASS
45
AREA
492
HEIGHT
597
20-Jun-2023
18:22
linh
pham



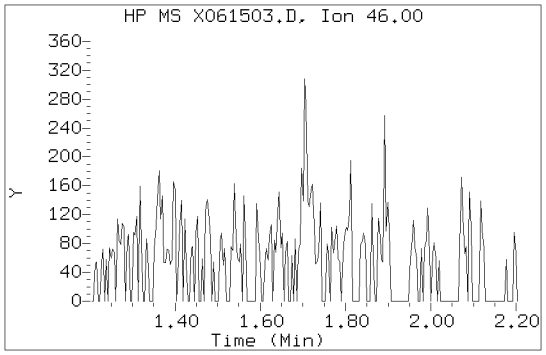
BEFORE

MASS
46
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



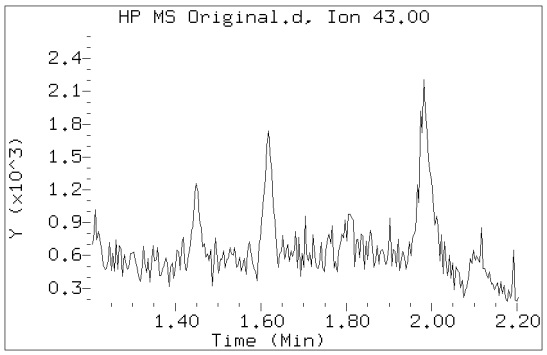
AFTER

MASS
46
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



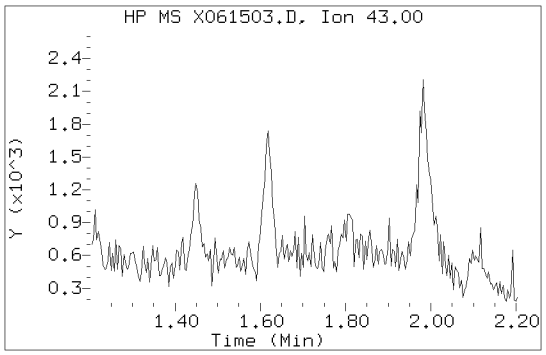
BEFORE

MASS
43
AREA
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HEIGHT
0
20-Jun-2023
18:22
linh
pham



AFTER

MASS
43
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



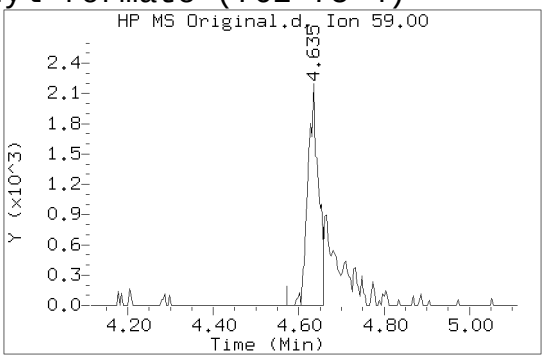
Data File : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061503.D
Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

tert-Butyl formate (762-75-4)

Reason Code:

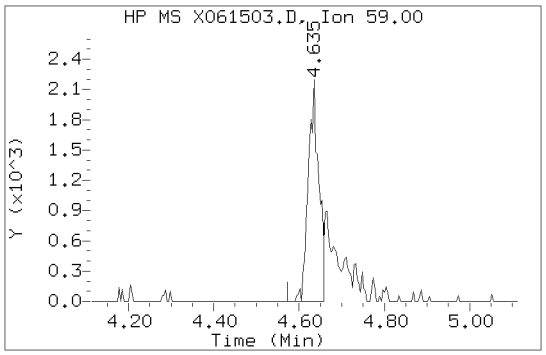
BEFORE

MASS
59
AREA
3776
HEIGHT
2196
20-Jun-2023
18:22
linh
pham



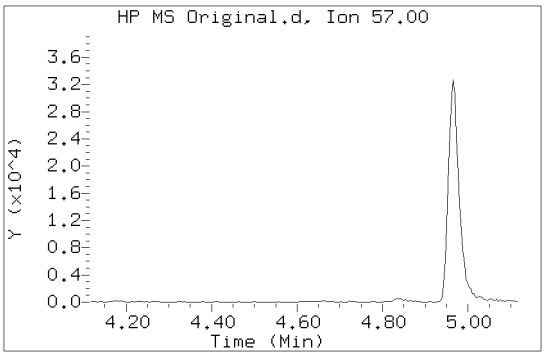
AFTER

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59
AREA
3776
HEIGHT
2196
20-Jun-2023
18:22
linh
pham



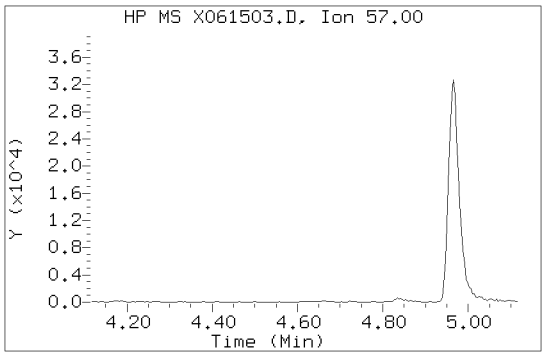
BEFORE

MASS
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AREA
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HEIGHT
0
20-Jun-2023
18:22
linh
pham



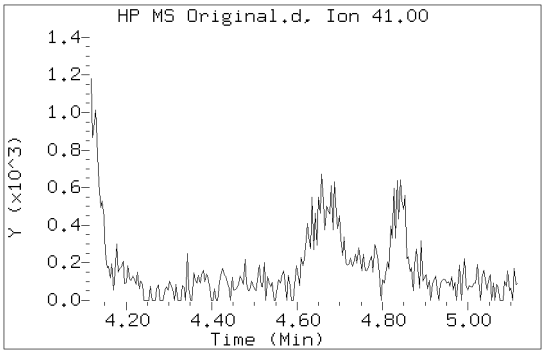
AFTER

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57
AREA
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HEIGHT
0
20-Jun-2023
18:22
linh
pham



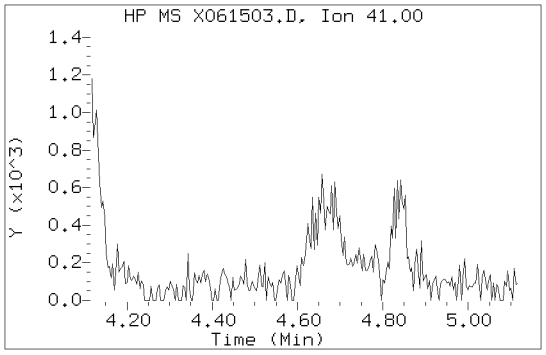
BEFORE

MASS
41
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



AFTER

MASS
41
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham

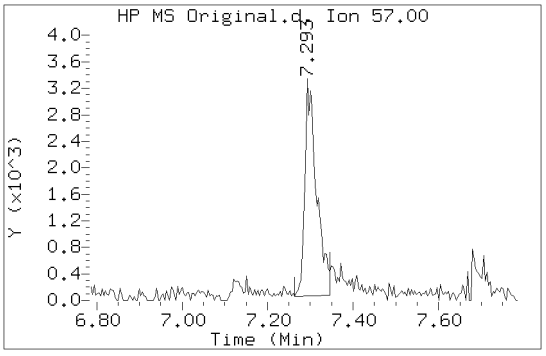


3,3-Dimethyl-1-butanol (624-95-3)

Reason Code:

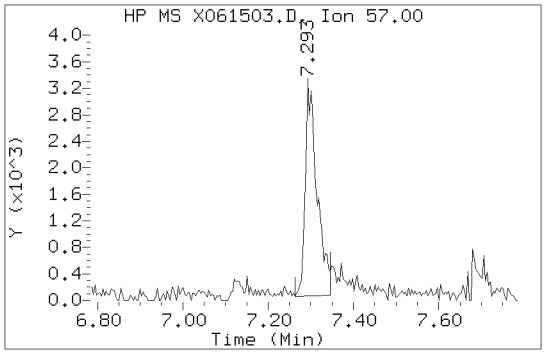
BEFORE

MASS
57
AREA
6294
HEIGHT
3279
20-Jun-2023
18:22
linh
pham



AFTER

MASS
57
AREA
6294
HEIGHT
3279
20-Jun-2023
18:22
linh
pham

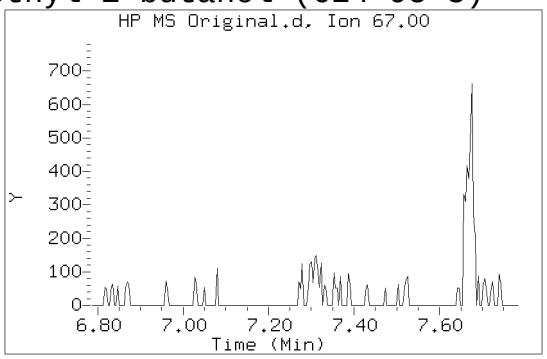


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Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

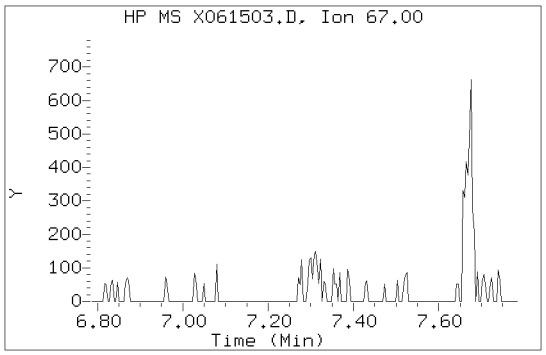
3,3-Dimethyl-1-butanol (624-95-3)

Reason Code:

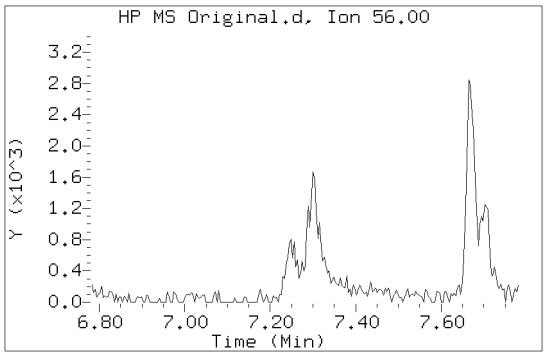
BEFORE
MASS
67
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



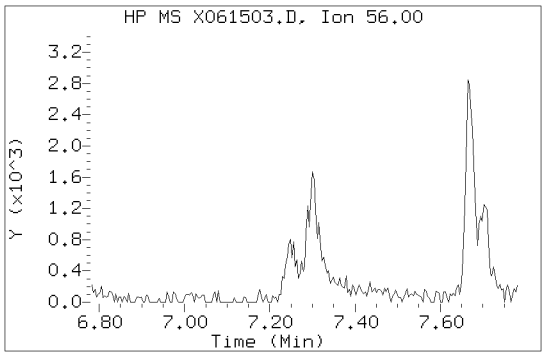
AFTER
MASS
67
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
56
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



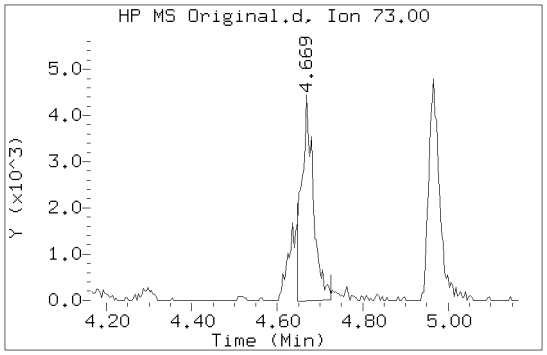
AFTER
MASS
56
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



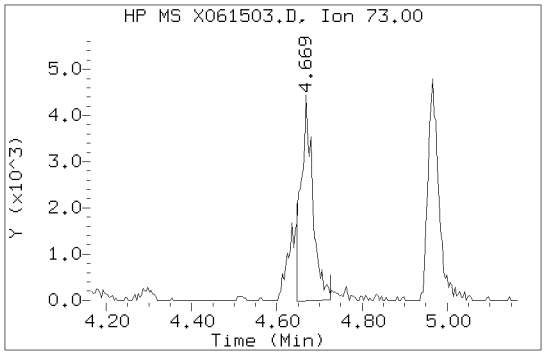
tert-Amyl methyl ether (974-05-08)

Reason Code:

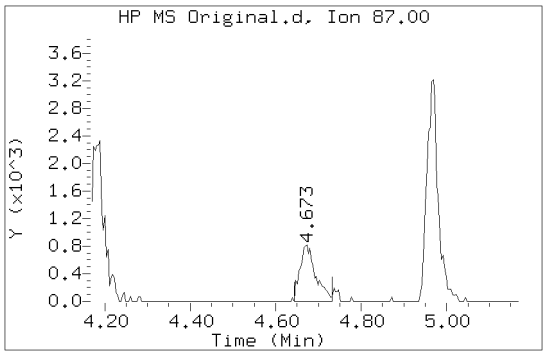
BEFORE
MASS
73
AREA
8758
HEIGHT
4459
20-Jun-2023
18:22
linh
pham



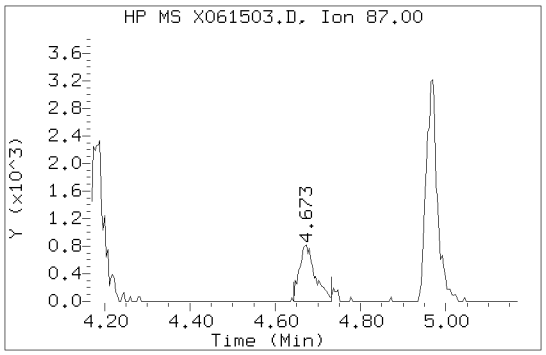
AFTER
MASS
73
AREA
8758
HEIGHT
4459
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
87
AREA
2131
HEIGHT
816
20-Jun-2023
18:22
linh
pham



AFTER
MASS
87
AREA
2131
HEIGHT
816
20-Jun-2023
18:22
linh
pham



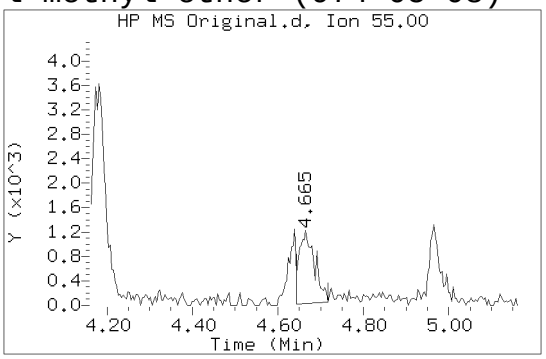
Data File : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061503.D
Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

tert-Amyl methyl ether (974-05-08)

Reason Code:

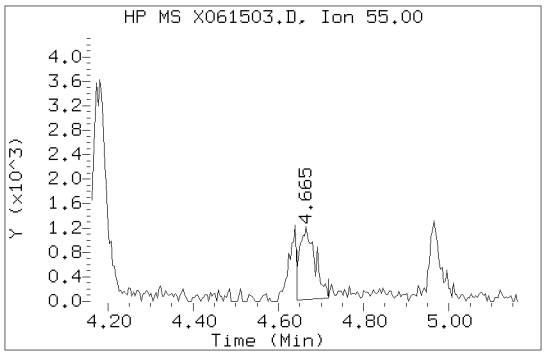
BEFORE

MASS
55
AREA
3038
HEIGHT
1195
20-Jun-2023
18:22
linh
pham



AFTER

MASS
55
AREA
3038
HEIGHT
1195
20-Jun-2023
18:22
linh
pham

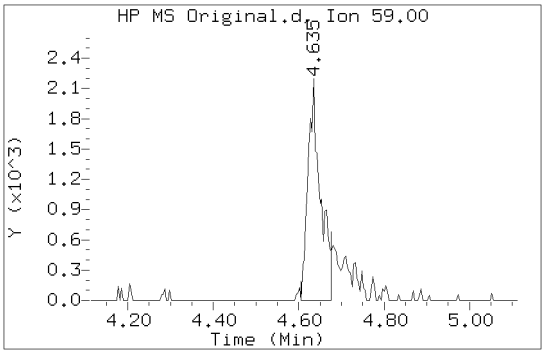


tert-Amyl alcohol (75-85-4)

Reason Code:

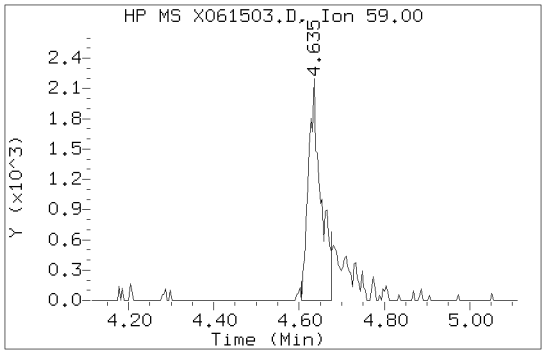
BEFORE

MASS
59
AREA
4487
HEIGHT
2196
20-Jun-2023
18:22
linh
pham



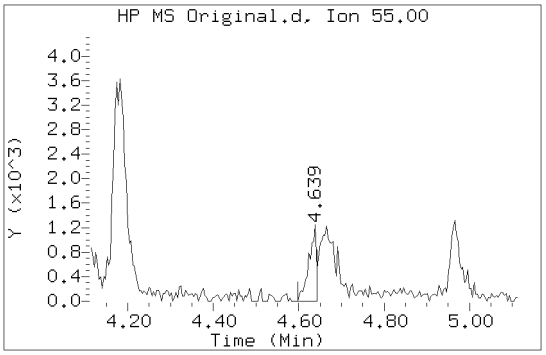
AFTER

MASS
59
AREA
4487
HEIGHT
2196
20-Jun-2023
18:22
linh
pham



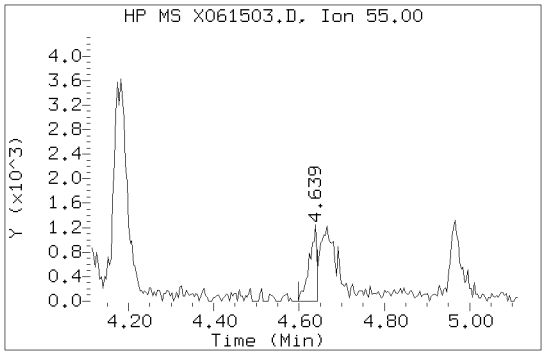
BEFORE

MASS
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AREA
1491
HEIGHT
1253
20-Jun-2023
18:22
linh
pham



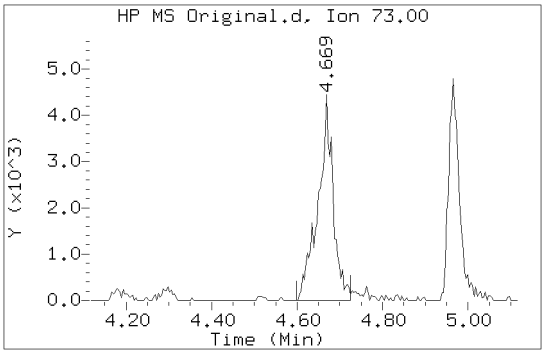
AFTER

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AREA
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HEIGHT
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20-Jun-2023
18:22
linh
pham



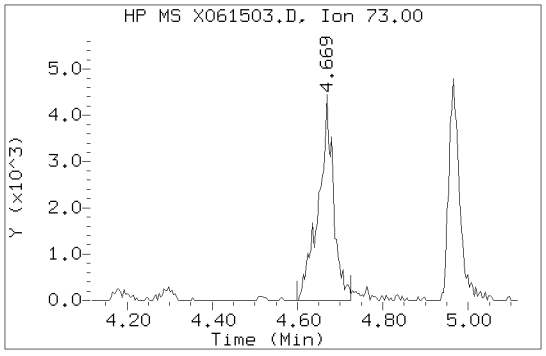
BEFORE

MASS
73
AREA
10859
HEIGHT
4450
20-Jun-2023
18:22
linh
pham



AFTER

MASS
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AREA
10859
HEIGHT
4450
20-Jun-2023
18:22
linh
pham



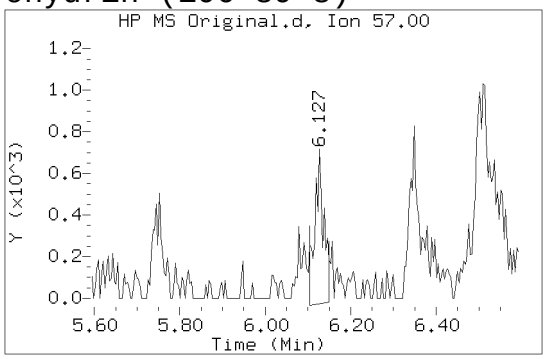
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Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

Epichlorohydrin (106-89-8)

Reason Code:

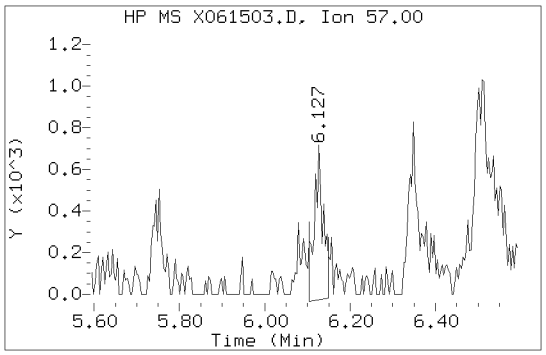
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AREA
1097
HEIGHT
743
20-Jun-2023
18:22
linh
pham



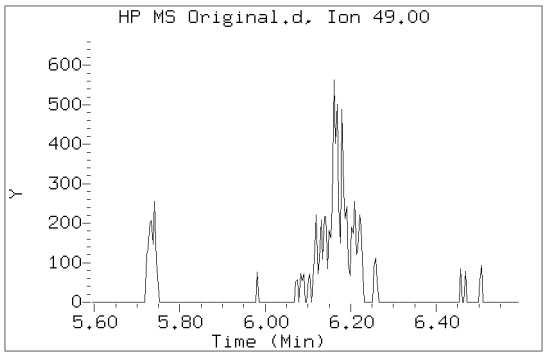
AFTER

MASS
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1097
HEIGHT
743
20-Jun-2023
18:22
linh
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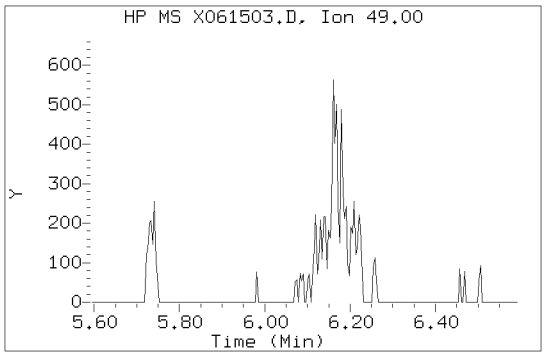
BEFORE

MASS
49
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0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



AFTER

MASS
49
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham

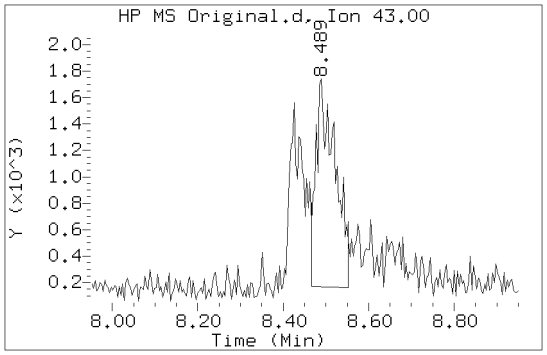


n-Amyl acetate (628-63-7)

Reason Code:

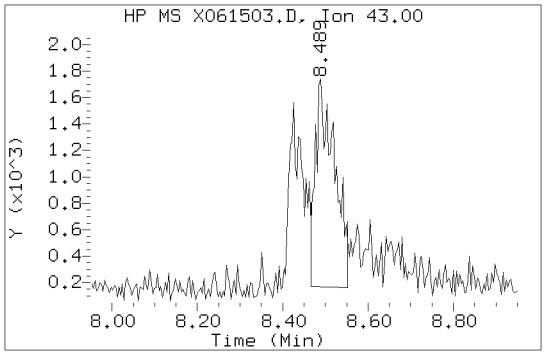
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MASS
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AREA
4951
HEIGHT
1570
20-Jun-2023
18:22
linh
pham



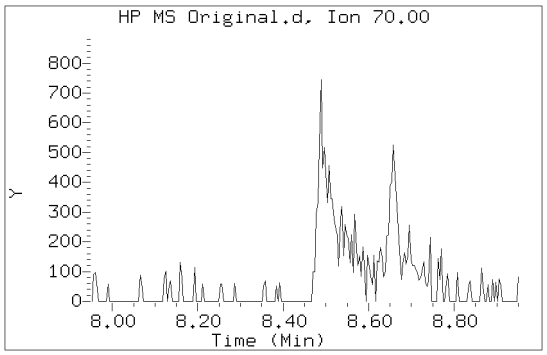
AFTER

MASS
43
AREA
4951
HEIGHT
1570
20-Jun-2023
18:22
linh
pham



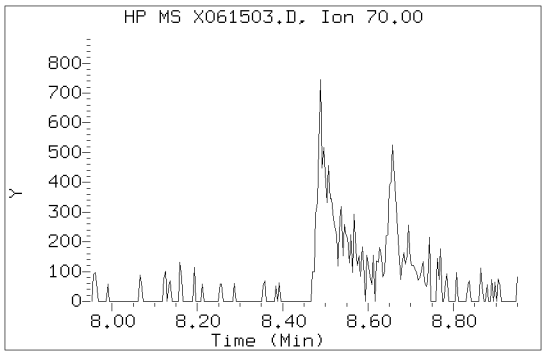
BEFORE

MASS
70
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



AFTER

MASS
70
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



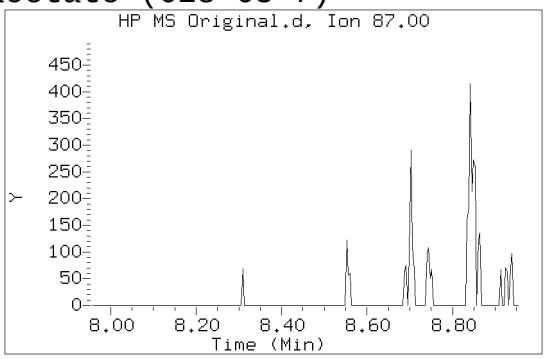
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Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

n-Amyl acetate (628-63-7)

Reason Code:

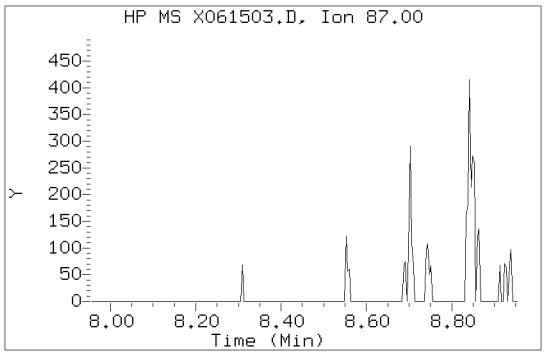
BEFORE

MASS
87
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



AFTER

MASS
87
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham

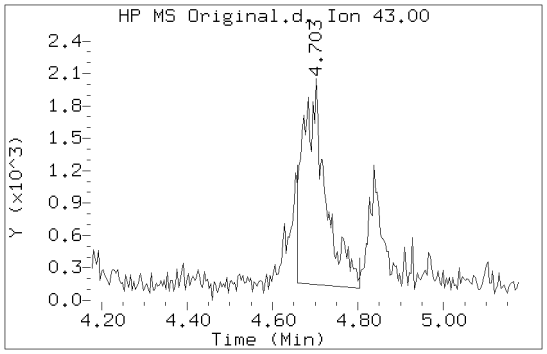


Isopropyl acetate (108-21-4)

Reason Code:

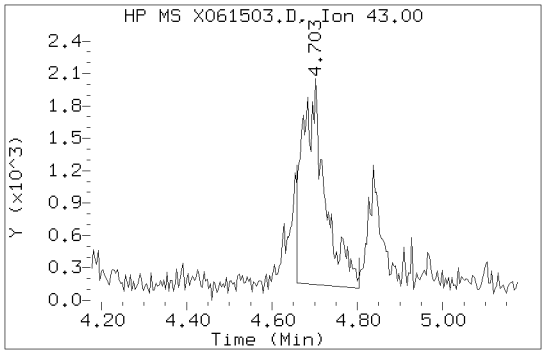
BEFORE

MASS
43
AREA
7126
HEIGHT
1907
20-Jun-2023
18:22
linh
pham



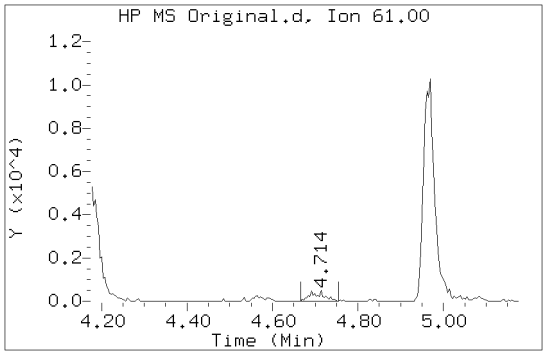
AFTER

MASS
43
AREA
7126
HEIGHT
1907
20-Jun-2023
18:22
linh
pham



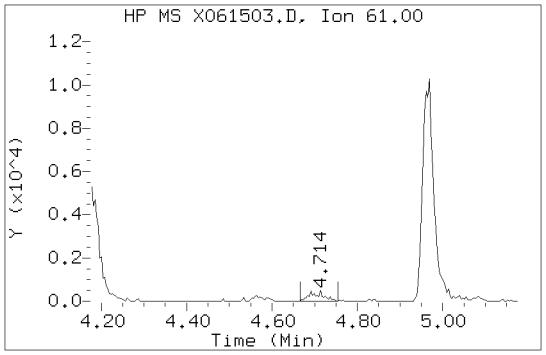
BEFORE

MASS
61
AREA
1030
HEIGHT
498
20-Jun-2023
18:22
linh
pham



AFTER

MASS
61
AREA
1030
HEIGHT
498
20-Jun-2023
18:22
linh
pham

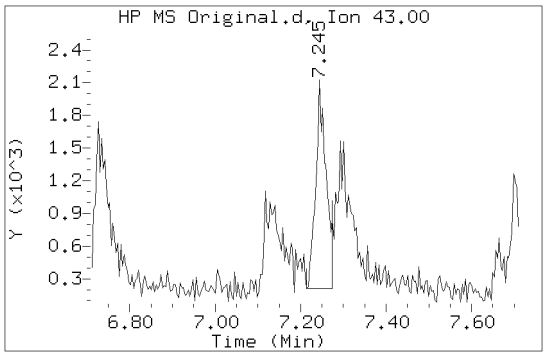


n-Butyl acetate (123-86-4)

Reason Code:

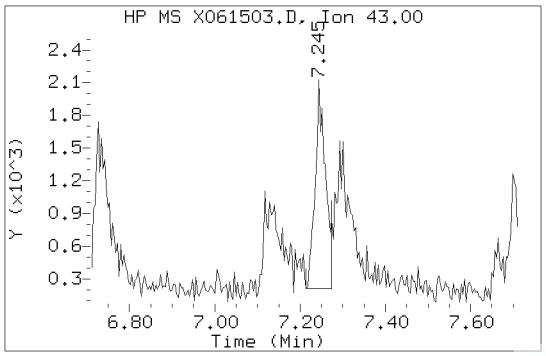
BEFORE

MASS
43
AREA
3227
HEIGHT
1914
20-Jun-2023
18:22
linh
pham



AFTER

MASS
43
AREA
3227
HEIGHT
1914
20-Jun-2023
18:22
linh
pham

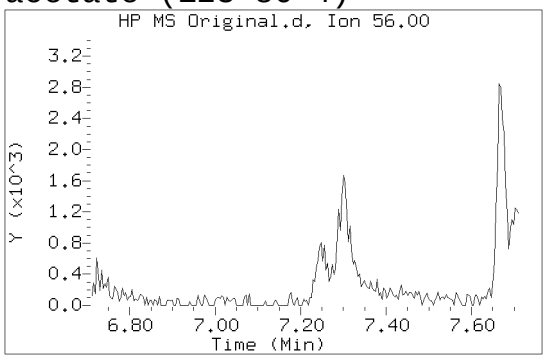


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Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

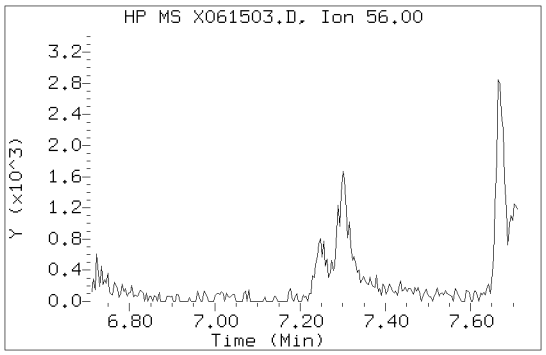
n-Butyl acetate (123-86-4)

Reason Code:

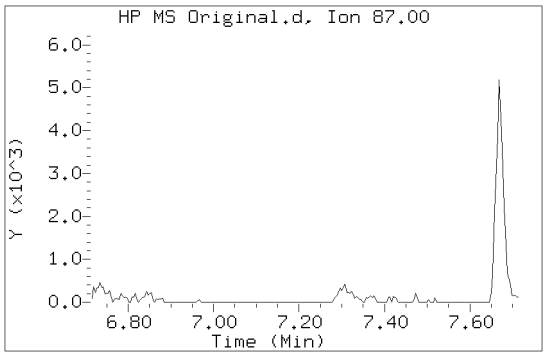
BEFORE
MASS
56
AREA
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HEIGHT
0
20-Jun-2023
18:22
linh
pham



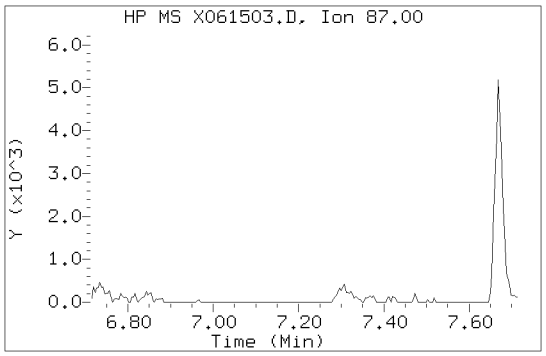
AFTER
MASS
56
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
87
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



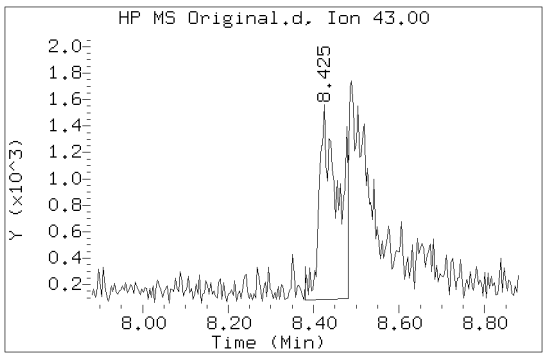
AFTER
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HEIGHT
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20-Jun-2023
18:22
linh
pham



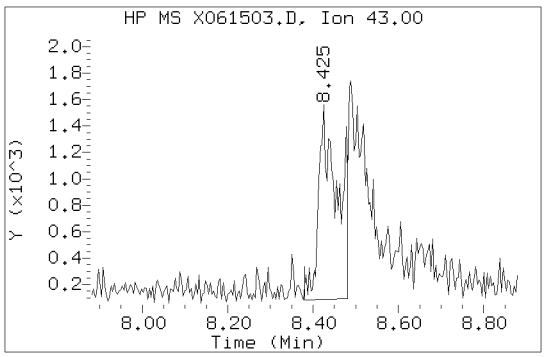
Methyl Amyl Ketone (110-43-0)

Reason Code:

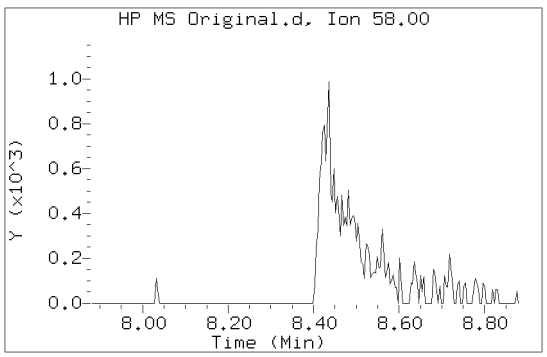
BEFORE
MASS
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AREA
4519
HEIGHT
1475
20-Jun-2023
18:22
linh
pham



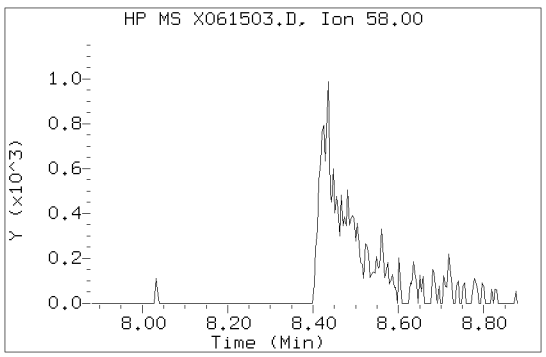
AFTER
MASS
43
AREA
4519
HEIGHT
1475
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
58
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



AFTER
MASS
58
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham

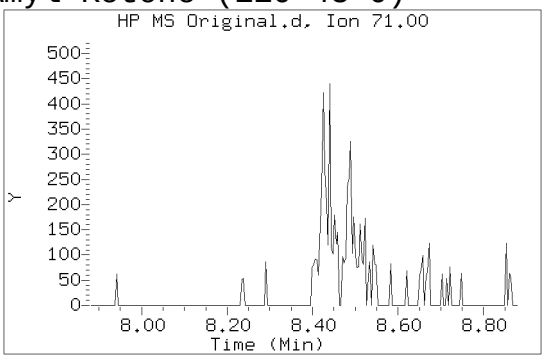


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InstruID : voa6.i
LabSampID : VSTD000.5

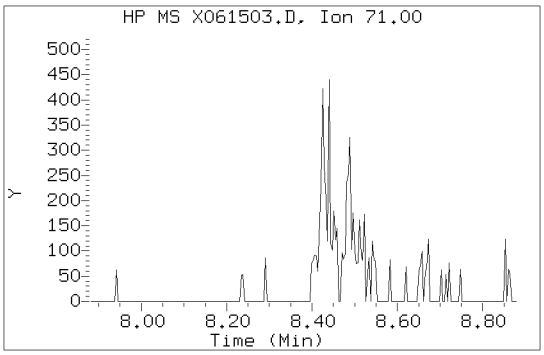
Methyl Amyl Ketone (110-43-0)

Reason Code:

BEFORE
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71
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HEIGHT
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20-Jun-2023
18:22
linh
pham



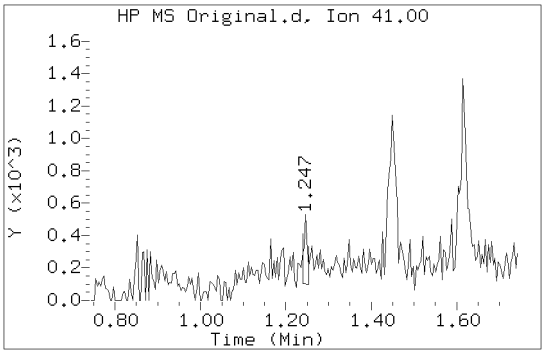
AFTER
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HEIGHT
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20-Jun-2023
18:22
linh
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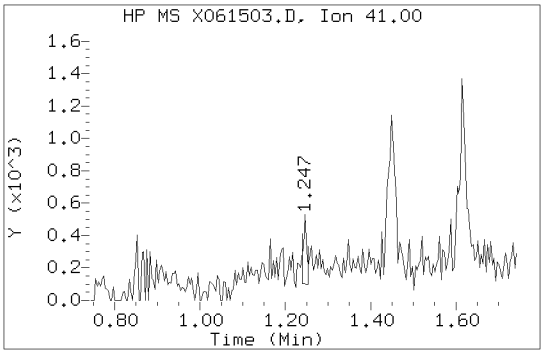
Isobutylene (115-11-7)

Reason Code:

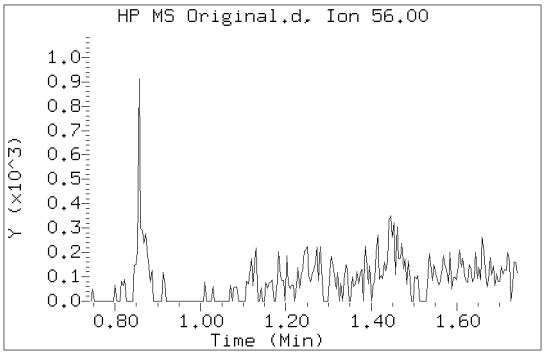
BEFORE
MASS
41
AREA
264
HEIGHT
430
20-Jun-2023
18:22
linh
pham



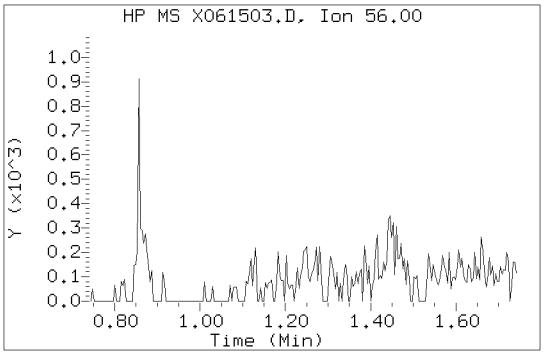
AFTER
MASS
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AREA
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HEIGHT
430
20-Jun-2023
18:22
linh
pham



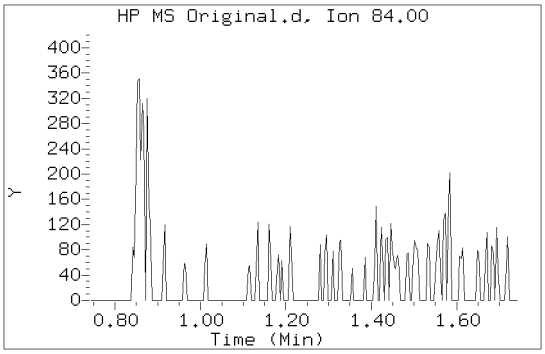
BEFORE
MASS
56
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



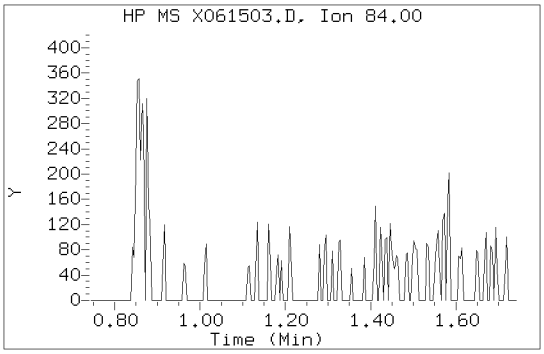
AFTER
MASS
56
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
84
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



AFTER
MASS
84
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



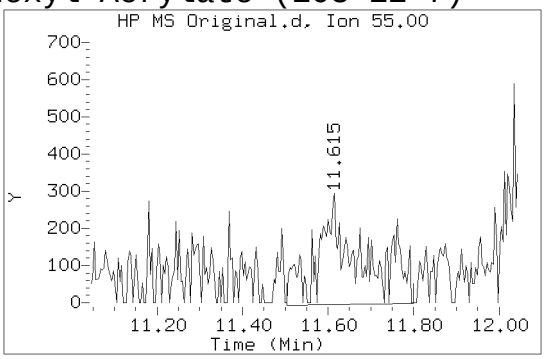
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Inj Date : 15-JUN-2023 11:36
InstruID : voa6.i
LabSampID : VSTD000.5

2-Ethylhexyl Acrylate (103-11-7)

Reason Code:

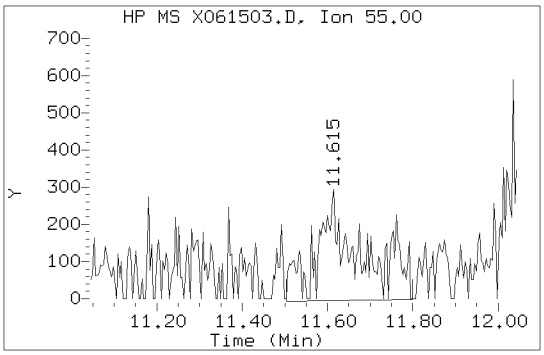
BEFORE

MASS
55
AREA
2087
HEIGHT
299
20-Jun-2023
18:22
linh
pham



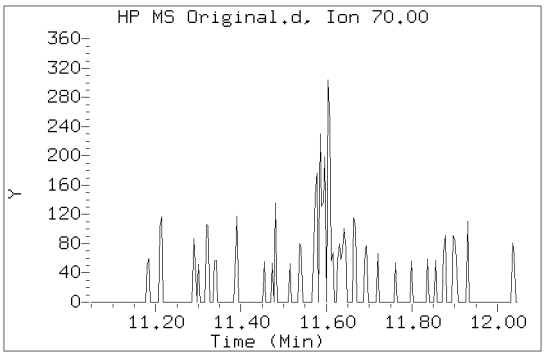
AFTER

MASS
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AREA
2087
HEIGHT
299
20-Jun-2023
18:22
linh
pham



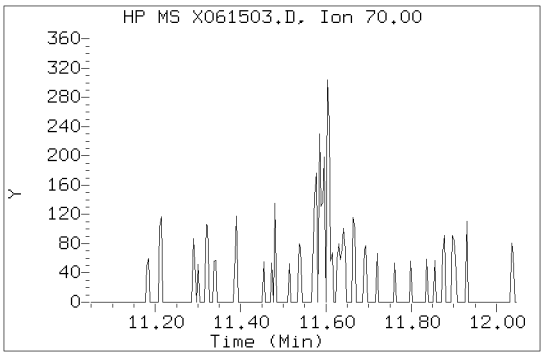
BEFORE

MASS
70
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



AFTER

MASS
70
AREA
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Data File: \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061504.D Page 1
Report Date: 20-Jun-2023 18:25

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061504.D
Lab Smp Id: VSTD001 Client Smp ID: VSTD001
Inj Date : 15-JUN-2023 12:18
Operator : PC Inst ID: voa6.i
Smp Info : VSTD001;VSTD001;1;3;
Misc Info : V6;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\8260W.m
Meth Date : 20-Jun-2023 18:24 voa6.i Quant Type: ISTD
Cal Date : 15-JUN-2023 12:18 Cal File: X061504.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 00000_8260.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
* 1	Pentafluorobenzene	168	4.181	4.181	(1.000)	476411	50.0000	
2	Dichlorodifluoromethane	85	0.976	0.976	(0.234)	4505	1.00000	1.42
3	Chloromethane	50	1.081	1.081	(0.259)	5922	1.00000	2.17
4	Propionitrile	54	3.694	3.653	(0.883)	5974	10.0000	10.36(aM)
5	Vinyl Chloride	62	1.145	1.149	(0.274)	5221	1.00000	1.04
6	Bromomethane	94	1.347	1.344	(0.322)	3161	1.00000	1.10(M)
7	Chloroethane	64	1.403	1.407	(0.336)	3224	1.00000	1.05
8	Trichlorofluoromethane	101	1.565	1.565	(0.374)	6281	1.00000	1.05
9	Acrolein	56	1.452	1.449	(0.347)	538	2.00000	1.81(aM)
10	Acetone	43	1.981	1.973	(0.474)	4663	2.00000	3.49(M)
11	1,1-Dichloroethene	96	1.917	1.917	(0.459)	4255	1.00000	1.14
12	Isobutyl Alcohol	43	4.687	4.676	(1.121)	12753	20.0000	20.52(a)
13	Acetonitrile	39	2.206	2.202	(0.528)	4200	10.0000	9.08(a)
14	Allyl Chloride	41	2.209	2.202	(0.528)	9998	1.00000	0.95(a)
15	Iodomethane	142	2.029	2.030	(0.485)	6227	2.00000	3.31(M)
16	Acrylonitrile	53	2.592	2.536	(0.620)	2830	2.00000	1.87(M)
17	Methylene Chloride	84	2.311	2.307	(0.553)	6477	1.00000	1.22(M)
18	Methyl tert-butyl ether	73	2.539	2.536	(0.607)	12904	1.00000	0.99
19	Carbon Disulfide	76	2.074	2.071	(0.496)	28412	2.00000	2.13
20	trans-1,2-Dichloroethene	96	2.536	2.532	(0.606)	4869	1.00000	1.09
21	Vinyl Acetate	43	3.030	2.997	(0.725)	25154	2.00000	2.11(M)

22 1,1-Dichloroethane	63	2.925	2.922 (0.700)	8535	1.00000	1.06(M)
23 Chloroprene	53	1.782	1.775 (0.426)	1506	1.00000	0.95(aM)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	24 2-Butanone	43	3.675	3.578	(0.879)	2970	2.00000	1.89(M)
	25 Methacrylonitrile	41	3.859	3.821	(0.923)	4503	1.00000	1.14(aH)
	26 2,2-Dichloropropane	77	3.506	3.514	(0.839)	7438	1.00000	1.16
	27 cis-1,2-Dichloroethene	96	3.533	3.525	(0.845)	5641	1.00000	1.09
	28 Chloroform	83	3.908	3.904	(0.935)	9991	1.00000	1.15
	29 Bromochloromethane	128	3.803	3.795	(0.909)	3072	1.00000	1.12
$	30 Dibromofluoromethane	113	4.106	4.099	(0.982)	5707	1.00000	1.00
	31 1,1,1-Trichloroethane	97	4.080	4.084	(0.976)	7437	1.00000	1.06
	32 1,1-Dichloropropene	75	4.286	4.279	(0.863)	5846	1.00000	0.93
	33 1,2-Dichloroethane	62	4.571	4.556	(0.921)	6607	1.00000	1.05
	34 Carbon Tetrachloride	117	4.260	4.264	(0.858)	6002	1.00000	1.00
$	35 1,2-Dichloroethane-d4	65	4.481	4.470	(1.072)	6368	1.00000	0.55
*	36 1,4-Difluorobenzene	114	4.965	4.965	(1.000)	742460	50.0000	
	37 Benzene	78	4.522	4.511	(0.911)	20769	1.00000	1.08
	38 Trichloroethene	130	5.216	5.205	(1.051)	5205	1.00000	0.98(a)
	39 Bromodichloromethane	83	5.729	5.722	(1.154)	7957	1.00000	1.17(a)
	40 Methyl Methacrylate	41	5.624	5.606	(1.345)	3817	1.00000	1.03(aM)
	41 2-Chloroethylvinyl ether	63	6.074	6.048	(1.223)	3674	2.00000	2.00(aM)
	42 1,2-Dichloropropane	63	5.441	5.437	(1.096)	4954	1.00000	0.98(aM)
	43 2-Nitropropane	43	5.977	5.966	(1.429)	1148	1.00000	0.89(aH)
	44 Dibromomethane	93	5.561	5.550	(1.120)	3549	1.00000	1.12(a)
	45 4-Methyl-2-Pentanone	43	6.337	6.322	(0.826)	9202	2.00000	2.06(aM)
	46 cis-1,3-Dichloropropene	75	6.168	6.153	(1.242)	8393	1.00000	1.00(a)
*	47 Chlorobenzene-d5	117	7.667	7.668	(1.000)	689452	50.0000	
$	48 Toluene-d8	98	6.393	6.386	(0.834)	19747	1.00000	1.13(a)
	49 Ethyl Methacrylate	69	6.727	6.708	(1.355)	5923	1.00000	1.11(a)
	50 Toluene	91	6.457	6.445	(0.842)	20722	1.00000	1.02(a)
	51 trans-1,3-Dichloropropene	75	6.697	6.678	(1.349)	7608	1.00000	1.09(a)
	52 2-Hexanone	43	7.116	7.083	(0.928)	5813	2.00000	1.95(a)
	53 1,1,2-Trichloroethane	83	6.843	6.835	(0.892)	4096	1.00000	1.03(a)
	54 1,3-Dichloropropane	76	6.985	6.978	(0.911)	8386	1.00000	1.05(a)
	55 Dibromochloromethane	129	7.184	7.173	(0.937)	5861	1.00000	1.04(a)
	56 Tetrachloroethene	164	6.929	6.925	(0.904)	4148	1.00000	0.99(a)
	57 1,2-Dibromoethane	107	7.266	7.259	(0.948)	5555	1.00000	1.10(a)
	58 1-Chlorohexane	55	7.697	7.694	(1.550)	4565	1.00000	1.01(a)
	59 Chlorobenzene	112	7.697	7.690	(1.004)	14514	1.00000	1.04(a)
	60 1,1,1,2-Tetrachloroethane	131	7.776	7.773	(1.014)	5613	1.00000	1.08(a)
	61 Ethylbenzene	106	7.806	7.799	(1.018)	7471	1.00000	1.04(a)
	62 m,p-Xylenes	106	7.911	7.900	(1.032)	16779	2.00000	1.90(a)
	63 o-Xylene	106	8.248	8.237	(1.076)	9263	1.00000	1.05(a)
	64 Styrene	104	8.286	8.256	(1.081)	14673	1.00000	1.01(a)
	66 Bromoform	173	8.417	8.410	(1.098)	3884	1.00000	0.99(Ta)
	67 Isopropylbenzene	105	8.563	8.560	(1.117)	21399	1.00000	0.98(a)
	68 1,1,2,2-Tetrachloroethane	83	8.841	8.837	(0.915)	7862	1.00000	1.18(a)
$	69 4-Bromofluorobenzene	95	8.698	8.687	(1.134)	11345	1.00000	1.16(a)
*	70 1,4-Dichlorobenzene-d4	152	9.662	9.658	(1.000)	377369	50.0000	
	71 1,2,3-Trichloropropane	75	8.871	8.863	(0.918)	4849	1.00000	1.01(a)
	72 trans-1,4-Dichloro-2-butene	53	8.919	8.886	(1.163)	1668	1.00000	0.99(aM)
	73 n-Propylbenzene	91	8.919	8.908	(0.923)	22989	1.00000	0.92(a)
	74 Bromobenzene	156	8.818	8.803	(0.913)	6344	1.00000	1.03(a)
	75 1,3,5-Trimethylbenzene	105	9.073	9.066	(0.939)	18052	1.00000	0.99(a)
	76 2-Chlorotoluene	91	8.983	8.972	(0.930)	17472	1.00000	1.10(a)

77	4-Chlorotoluene	91	9.088	9.070 (0.941)	17079	1.00000	0.97(a)
78	tert-Butylbenzene	119	9.336	9.336 (0.966)	14794	1.00000	0.97(a)

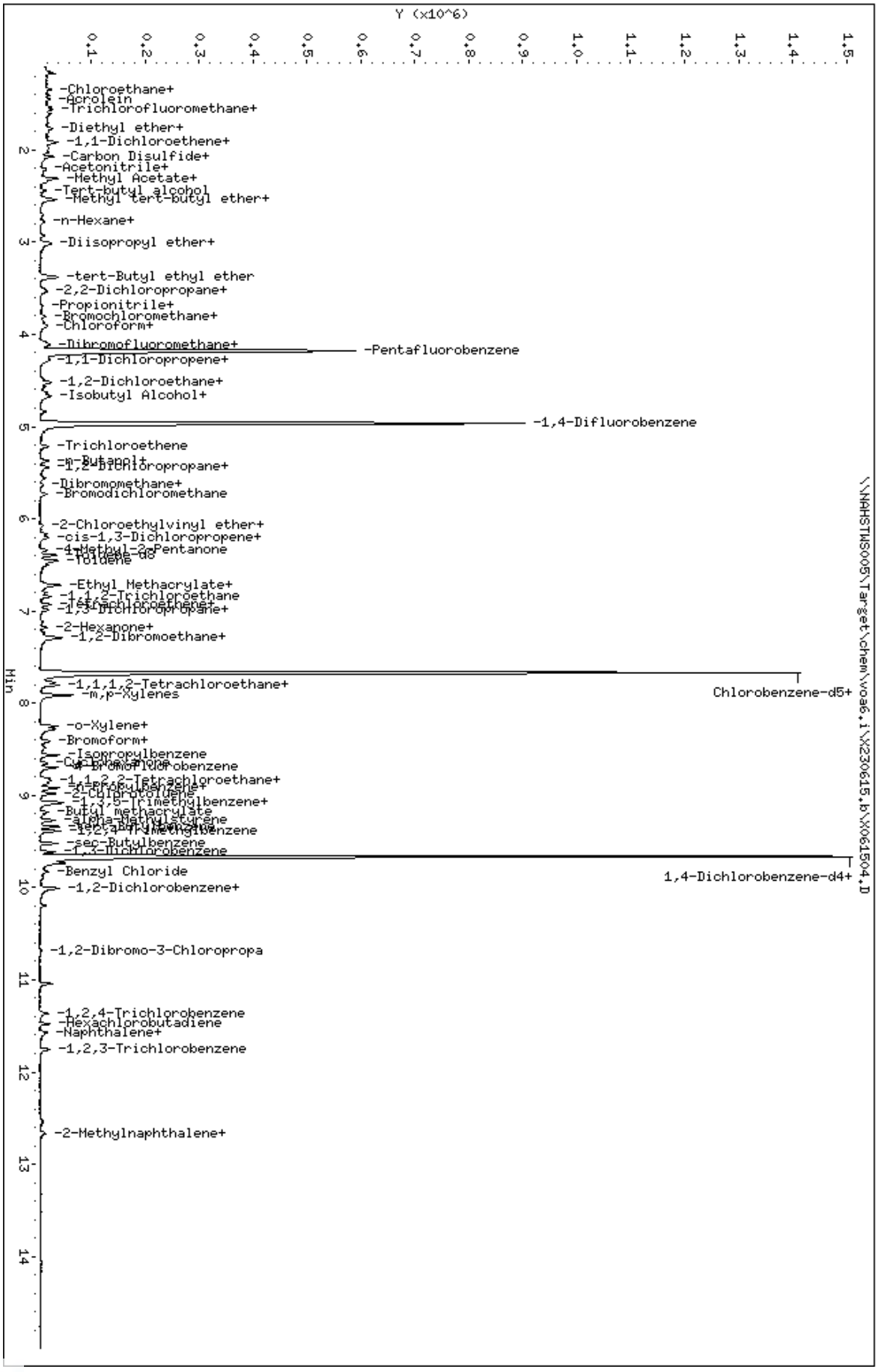
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
79	1,2,4-Trimethylbenzene	105	9.384	9.377	(0.971)	18527	1.00000	1.00(a)
81	sec-Butylbenzene	105	9.523	9.519	(0.986)	21044	1.00000	0.98(a)
82	p-Isopropyltoluene	119	9.650	9.647	(0.999)	17481	1.00000	0.93(a)
83	1,3-Dichlorobenzene	146	9.613	9.602	(0.995)	11009	1.00000	1.00(a)
84	1,4-Dichlorobenzene	146	9.684	9.681	(1.002)	12708	1.00000	1.08(a)
86	Benzyl Chloride	91	9.830	9.808	(1.282)	11104	1.00000	0.97(a)
87	n-Butylbenzene	91	10.014	9.992	(1.036)	13132	1.00000	0.82(aM)
88	1,2-Dichlorobenzene	146	10.007	9.992	(1.036)	10599	1.00000	0.97(a)
89	1,2-Dibromo-3-Chloropropane	155	10.674	10.655	(1.105)	1184	1.00000	1.34(a)
90	1,2,4-Trichlorobenzene	180	11.364	11.334	(1.176)	7174	1.00000	0.94(a)
91	Hexachlorobutadiene	225	11.476	11.476	(1.188)	3283	1.00000	0.96(a)
92	Naphthalene	128	11.570	11.540	(1.197)	14944	1.00000	0.87(a)
93	1,2,3-Trichlorobenzene	180	11.750	11.739	(1.216)	6263	1.00000	0.90(a)
146	Methyl acetate	43	2.258	2.232	(0.540)	2984	1.00000	1.05(a)
138	Freon TF	101	1.921	1.917	(0.459)	3869	1.00000	1.20(a)
141	Cyclohexane	56	4.121	4.121	(0.986)	5865	1.00000	0.96(aH)
142	Tetrahydrofuran	42	3.863	3.844	(0.924)	1350	2.00000	1.94(aM)
147	Methylcyclohexane	55	5.373	5.381	(1.082)	9209	1.00000	0.88(aM)
135	1,4-Dioxane	88	5.613	5.598	(1.342)	1286	20.0000	22.27(M)
132	n-Butanol	56	5.370	5.253	(1.284)	2023	20.0000	80.30(aM)
131	Methyl Acrylate	55	3.750	3.690	(0.897)	3465	1.00000	0.89(aM)
133	Ethyl Acrylate	55	5.422	5.381	(1.297)	8042	1.00000	3.07(M)
136	n-Hexane	57	2.775	2.776	(0.664)	4190	1.00000	0.77(a)
139	Diethyl ether	59	1.767	1.760	(0.423)	3143	1.00000	1.05(a)
148	Tert-butyl alcohol	59	2.442	2.431	(0.584)	11634	20.0000	23.78
149	Isopropyl alcohol	45	2.101	2.093	(0.502)	6463	20.0000	23.93(T)
156	Diisopropyl ether	45	3.012	3.000	(0.720)	13921	1.00000	0.99(Ta)
160	2-Methylnaphthalene	142	12.668	12.634	(1.311)	6245	1.00000	0.83(a)
166	1,2,3-Trimethylbenzene	105	9.737	9.729	(1.008)	17649	1.00000	0.98(a)
167	Ethanol	45	1.707	1.707	(0.408)	953	20.0000	20.92(M)
172	tert-Butyl formate	59	4.627	4.612	(1.107)	8761	2.00000	2.23(aM)
173	3,3-Dimethyl-1-butanol	57	7.296	7.285	(0.952)	12186	20.0000	21.61(M)
174	tert-Amyl methyl ether	73	4.669	4.665	(1.117)	15782	1.00000	1.03(aM)
175	tert-Butyl ethyl ether	59	3.383	3.379	(0.809)	14971	1.00000	1.02(a)
176	tert-Amyl alcohol	59	4.627	4.612	(1.107)	8761	20.0000	21.89(M)
151	4-Methyl-2-pentanol	45	6.719	6.708	(1.353)	26840	20.0000	22.73(M)
180	1-Methylnaphthalene	142	12.668	12.634	(1.311)	6245	1.00000	(a)
140	1,3-Butadiene	54	1.167	1.167	(0.279)	4172	1.00000	1.05(a)
152	Amyl alcohol	42	6.981	6.899	(0.911)	2449	20.0000	19.06(M)
158	Dichlorofluoromethane	67	1.531	1.535	(0.366)	6498	1.00000	0.94(M)
159	Propylene oxide	43	1.812	1.805	(0.433)	1041	2.00000	2.46(a)
161	3-Methyl-1-butanol	55	6.951	6.899	(0.907)	2518	20.0000	53.71(M)
162	Butyl acrylate	55	8.278	8.249	(1.080)	6899	1.00000	1.21(a)
163	Butyl methacrylate	41	9.182	9.167	(0.950)	6113	1.00000	0.96(a)
164	Dicyclopentadiene	66	9.680	9.681	(1.002)	21021	1.00000	0.99(aM)
182	Epichlorohydrin	57	6.119	6.093	(1.233)	2012	4.00000	4.53(aM)
M 94	1,2-Dichloroethylene (total)	96				10510	2.00000	(a)
130	Ethyl Acetate	43	3.694	3.657	(0.883)	5317	1.00000	1.09(aM)
134	Cyclohexanone	55	8.653	8.642	(0.896)	5123	20.0000	11.33(a)
185	Isoprene	39	1.778	1.775	(0.425)	1889	1.00000	1.45(a)
188	Isopropyl acetate	43	4.687	4.676	(0.944)	12045	1.00000	0.93(a)
187	n-Amyl acetate	43	8.477	8.451	(1.106)	10084	1.00000	1.09(aM)

189 n-Butyl acetate	43	7.233	7.210 (0.943)	7115	1.00000	0.96(aM)
150 Allyl alcohol	57	2.775	2.772 (0.664)	4190	20.0000	14.15

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
195 Methyl Amyl Ketone	43	8.410	8.380	(1.097)	8974	1.00000	0.88(a)
200 Dimethyl Disulfide	94	6.202	6.194	(0.809)	9210	1.00000	0.90(a)
202 Isobutylene	41	1.242	1.242	(0.297)	500	1.00000	1.09(aM)
205 2-Ethylhexyl Acrylate	55	11.577	11.544	(1.198)	3400	1.00000	1.74(aM)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.



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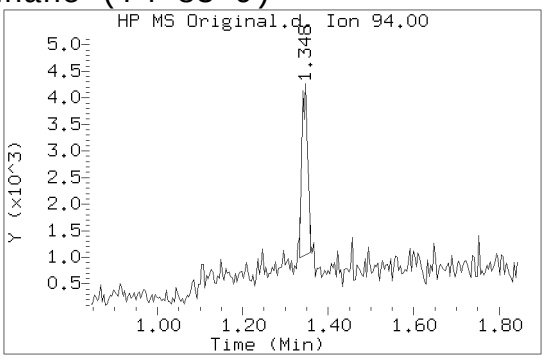
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Inj Date : 15-JUN-2023 12:18
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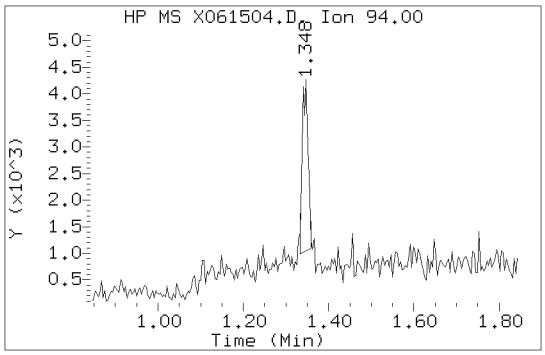
Bromomethane (74-83-9)

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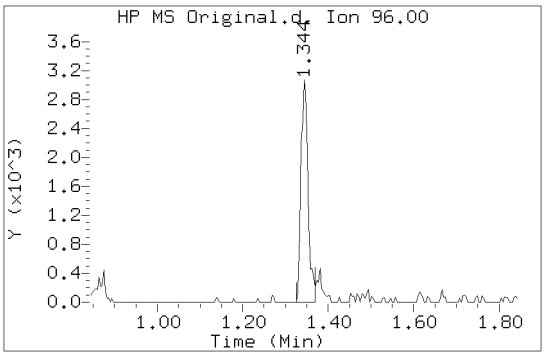
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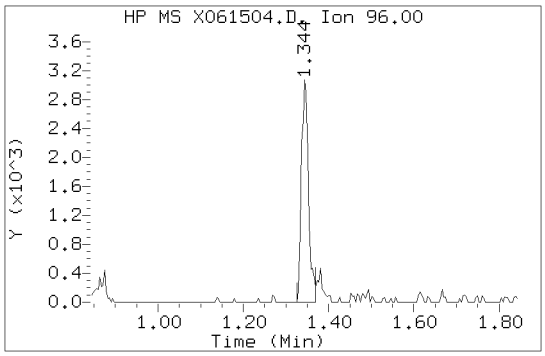
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BEFORE
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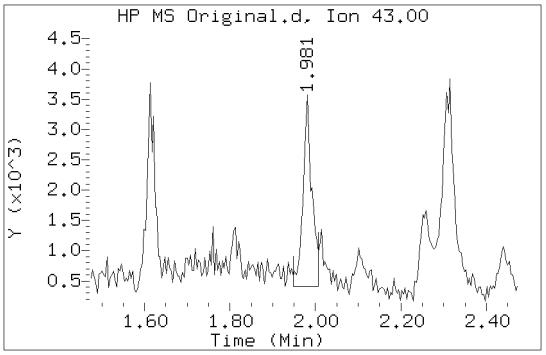
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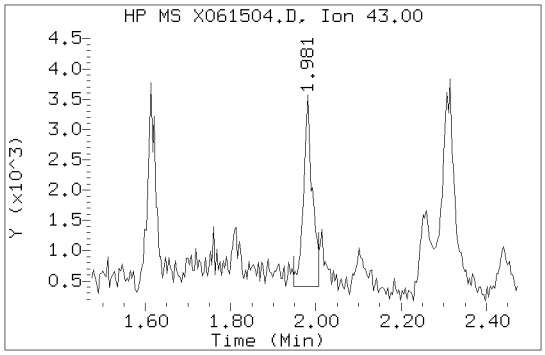
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Reason Code:

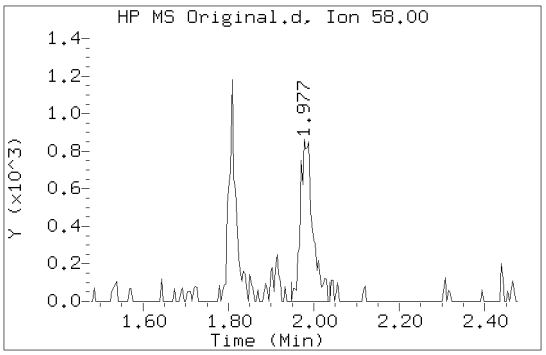
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20-Jun-2023
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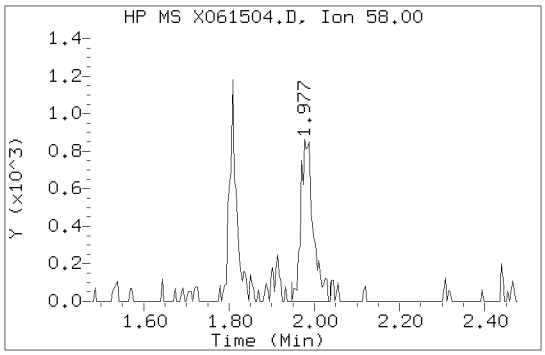
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BEFORE
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20-Jun-2023
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AFTER
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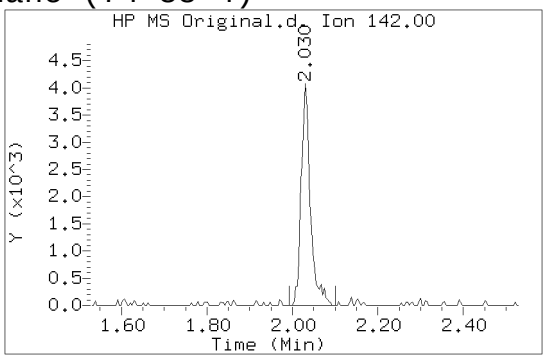
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Inj Date : 15-JUN-2023 12:18
InstruID : voa6.i
LabSampID : VSTD001

Iodomethane (74-88-4)

Reason Code:

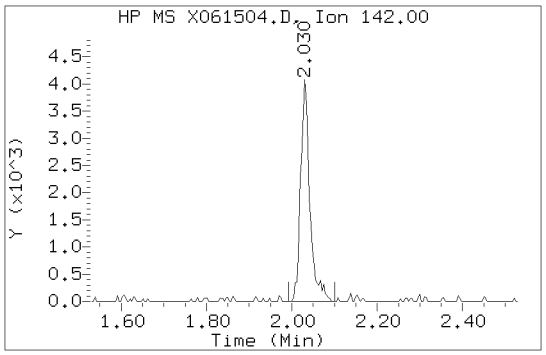
BEFORE

MASS
142
AREA
6227
HEIGHT
4078
20-Jun-2023
18:22
linh
pham



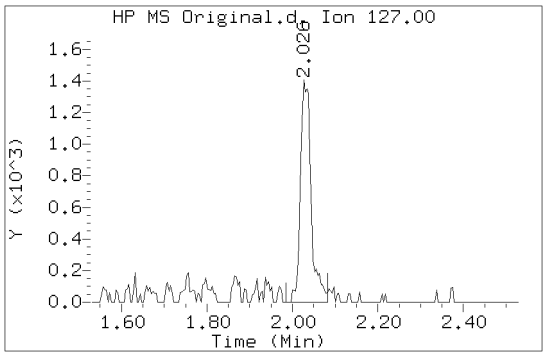
AFTER

MASS
142
AREA
6227
HEIGHT
4078
20-Jun-2023
18:22
linh
pham



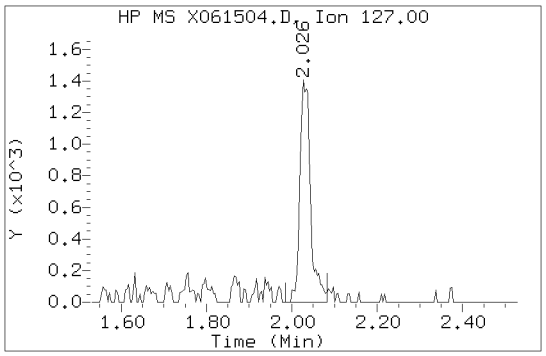
BEFORE

MASS
127
AREA
2508
HEIGHT
1407
20-Jun-2023
18:22
linh
pham



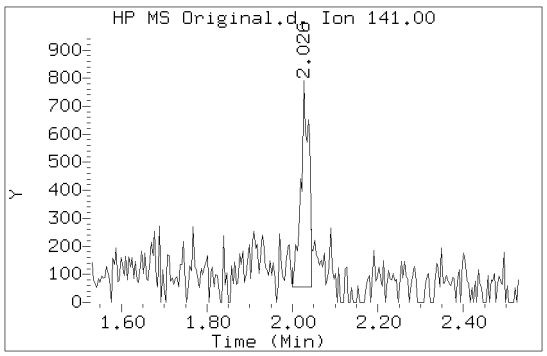
AFTER

MASS
127
AREA
2508
HEIGHT
1407
20-Jun-2023
18:22
linh
pham



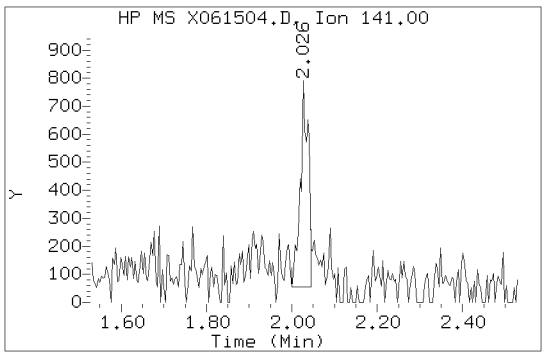
BEFORE

MASS
141
AREA
974
HEIGHT
735
20-Jun-2023
18:22
linh
pham



AFTER

MASS
141
AREA
974
HEIGHT
735
20-Jun-2023
18:22
linh
pham

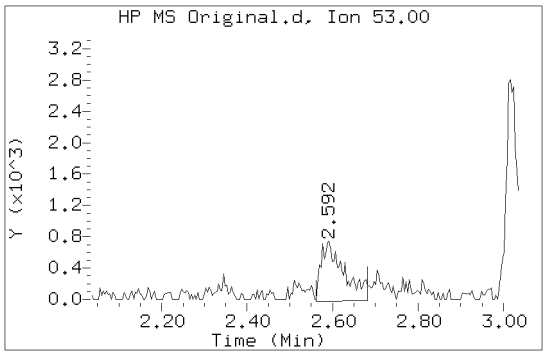


Acrylonitrile (107-13-1)

Reason Code:

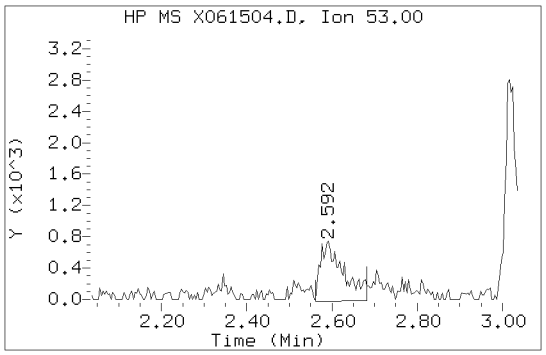
BEFORE

MASS
53
AREA
2830
HEIGHT
767
20-Jun-2023
18:22
linh
pham



AFTER

MASS
53
AREA
2830
HEIGHT
767
20-Jun-2023
18:22
linh
pham

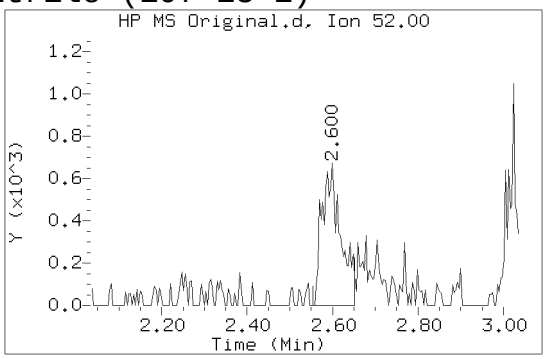


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Inj Date : 15-JUN-2023 12:18
InstruID : voa6.i
LabSampID : VSTD001

Acrylonitrile (107-13-1)

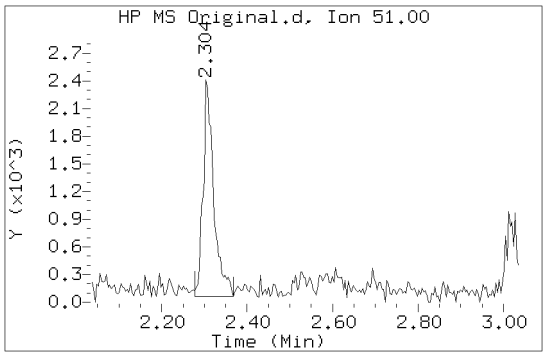
BEFORE

MASS
52
AREA
2033
HEIGHT
674
20-Jun-2023
18:22
linh
pham



BEFORE

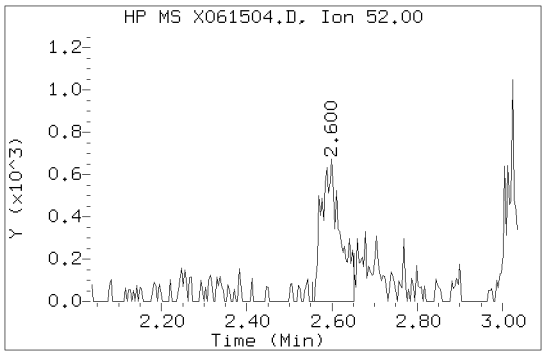
MASS
51
AREA
4036
HEIGHT
2345
20-Jun-2023
18:22
linh
pham



Reason Code:

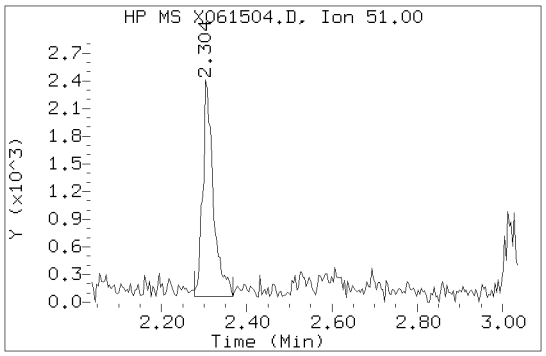
AFTER

MASS
52
AREA
2033
HEIGHT
674
20-Jun-2023
18:22
linh
pham



AFTER

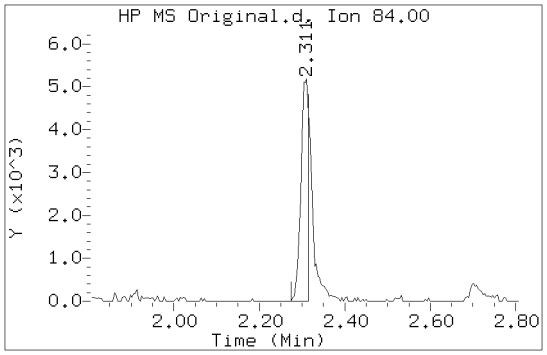
MASS
51
AREA
4036
HEIGHT
2345
20-Jun-2023
18:22
linh
pham



Methylene Chloride (75-09-2)

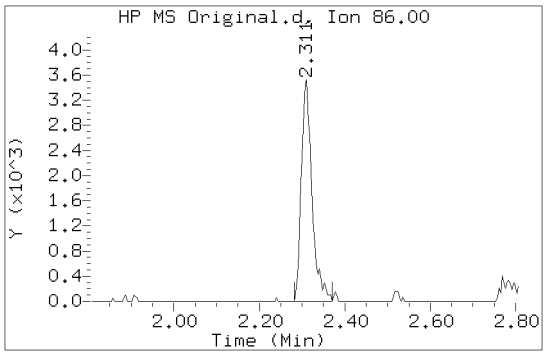
BEFORE

MASS
84
AREA
6477
HEIGHT
5184
20-Jun-2023
18:22
linh
pham



BEFORE

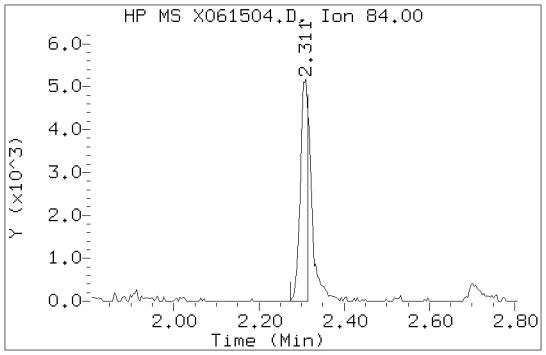
MASS
86
AREA
6276
HEIGHT
3527
20-Jun-2023
18:22
linh
pham



Reason Code:

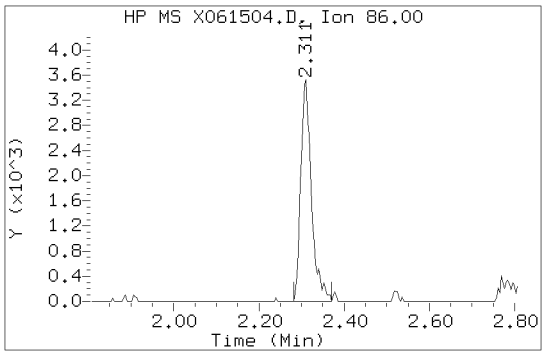
AFTER

MASS
84
AREA
6477
HEIGHT
5184
20-Jun-2023
18:22
linh
pham



AFTER

MASS
86
AREA
6276
HEIGHT
3527
20-Jun-2023
18:22
linh
pham



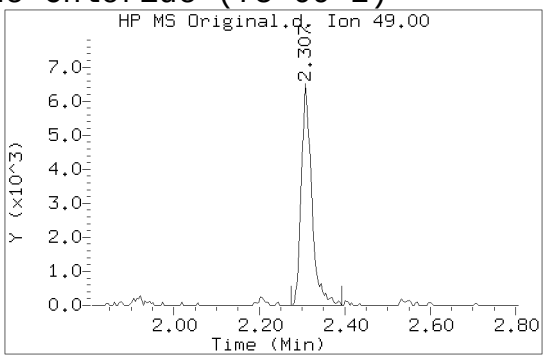
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Inj Date : 15-JUN-2023 12:18
InstruID : voa6.i
LabSampID : VSTD001

Methylene Chloride (75-09-2)

Reason Code:

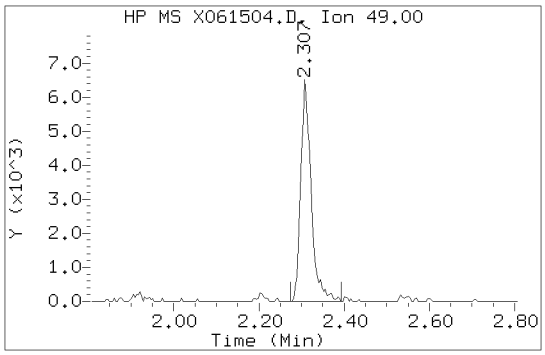
BEFORE

MASS
49
AREA
11339
HEIGHT
6517
20-Jun-2023
18:22
linh
pham



AFTER

MASS
49
AREA
11339
HEIGHT
6517
20-Jun-2023
18:22
linh
pham

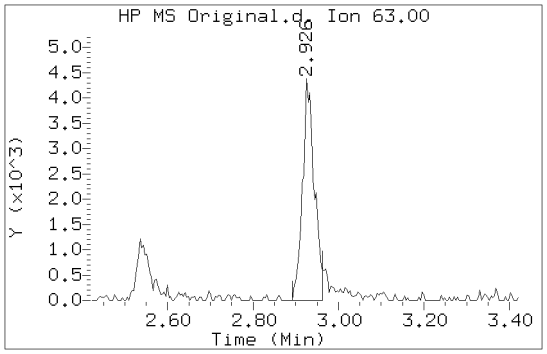


1,1-Dichloroethane (75-34-3)

Reason Code:

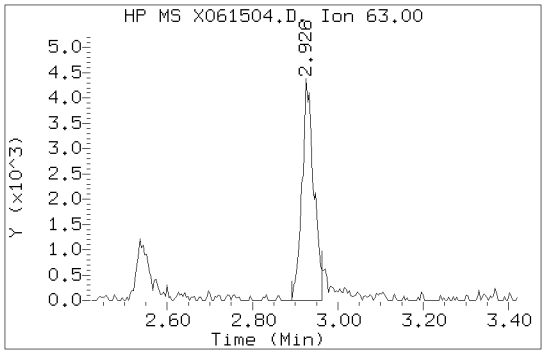
BEFORE

MASS
63
AREA
8535
HEIGHT
4383
20-Jun-2023
18:22
linh
pham



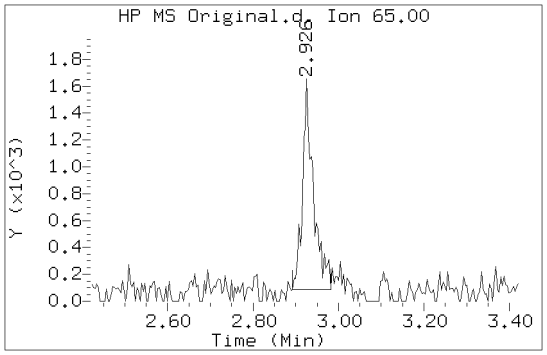
AFTER

MASS
63
AREA
8535
HEIGHT
4383
20-Jun-2023
18:22
linh
pham



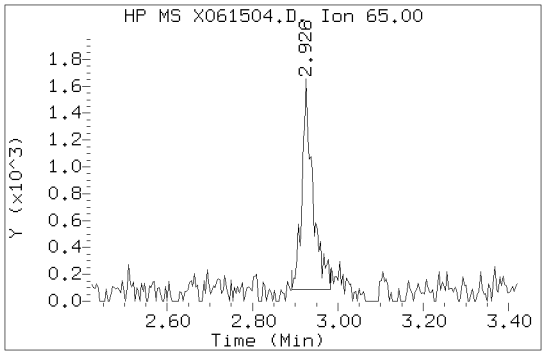
BEFORE

MASS
65
AREA
2816
HEIGHT
1567
20-Jun-2023
18:22
linh
pham



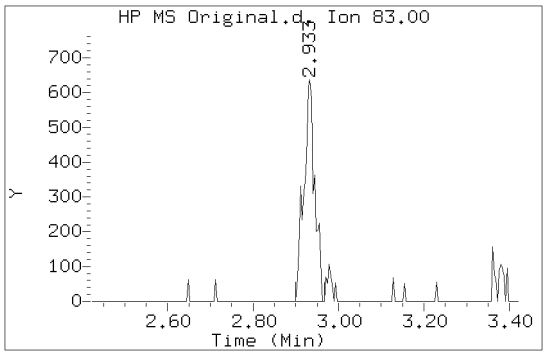
AFTER

MASS
65
AREA
2816
HEIGHT
1567
20-Jun-2023
18:22
linh
pham



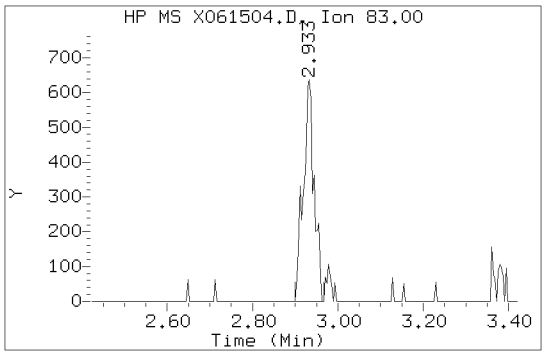
BEFORE

MASS
83
AREA
1137
HEIGHT
637
20-Jun-2023
18:22
linh
pham



AFTER

MASS
83
AREA
1137
HEIGHT
637
20-Jun-2023
18:22
linh
pham

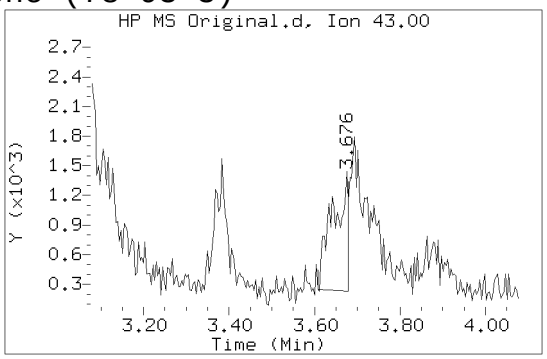


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InstruID : voa6.i
LabSampID : VSTD001

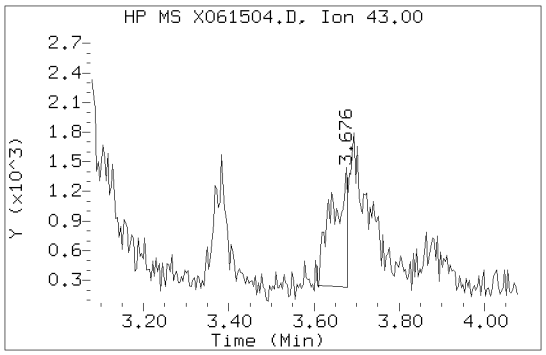
2-Butanone (78-93-3)

Reason Code:

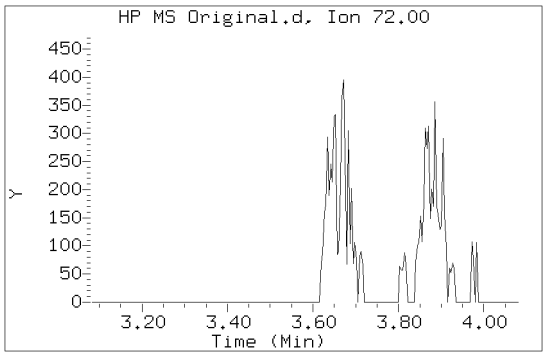
BEFORE
MASS
43
AREA
2970
HEIGHT
1211
20-Jun-2023
18:22
linh
pham



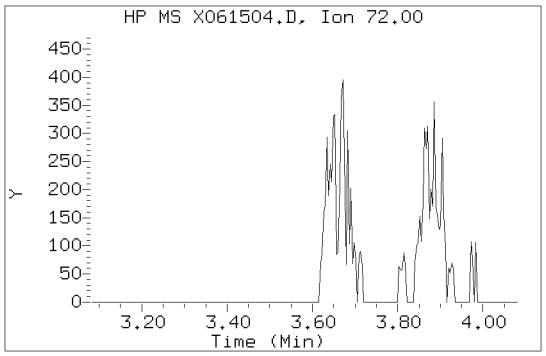
AFTER
MASS
43
AREA
2970
HEIGHT
1211
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
72
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



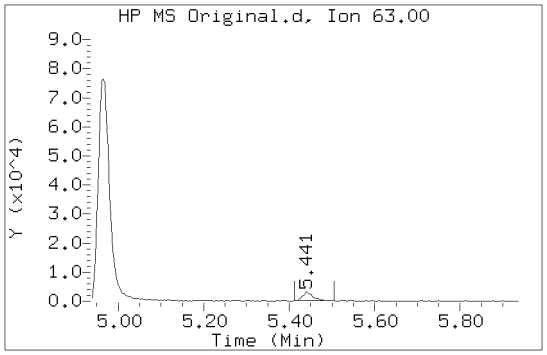
AFTER
MASS
72
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



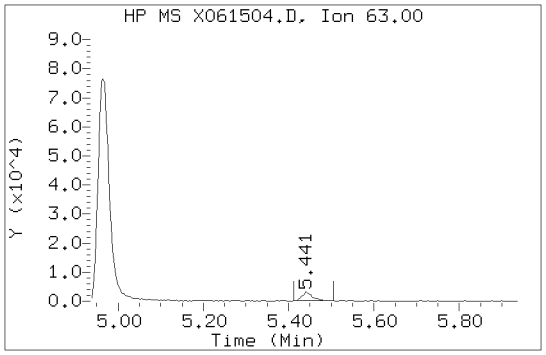
1,2-Dichloropropane (78-87-5)

Reason Code:

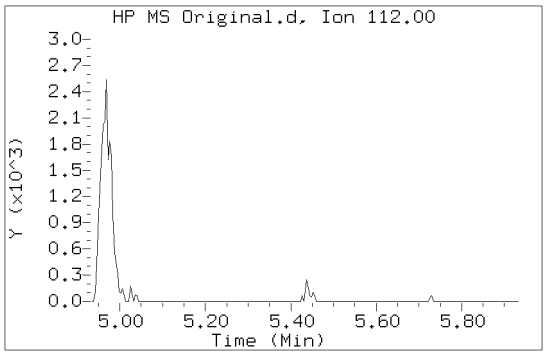
BEFORE
MASS
63
AREA
4954
HEIGHT
3161
20-Jun-2023
18:22
linh
pham



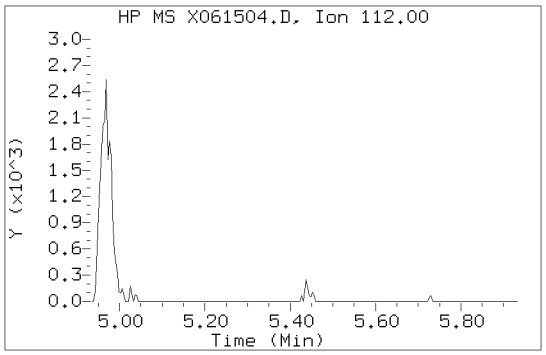
AFTER
MASS
63
AREA
4954
HEIGHT
3161
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
112
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



AFTER
MASS
112
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



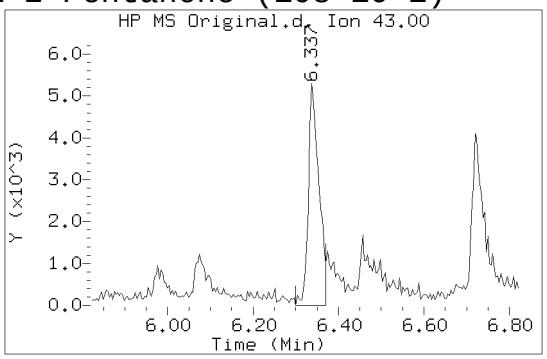
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Inj Date : 15-JUN-2023 12:18
InstruID : voa6.i
LabSampID : VSTD001

4-Methyl-2-Pentanone (108-10-1)

Reason Code:

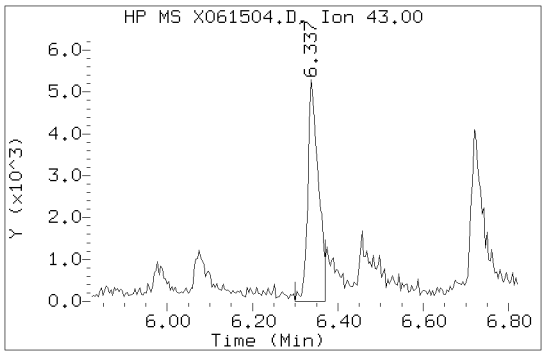
BEFORE

MASS
43
AREA
9202
HEIGHT
5295
20-Jun-2023
18:22
linh
pham



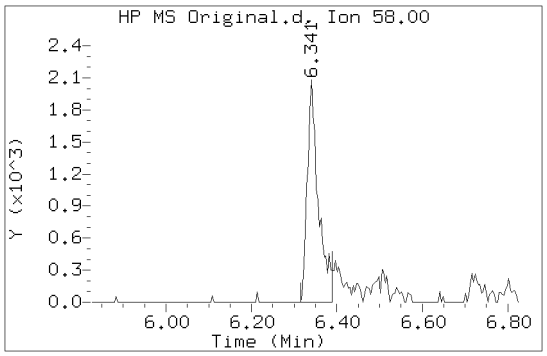
AFTER

MASS
43
AREA
9202
HEIGHT
5295
20-Jun-2023
18:22
linh
pham



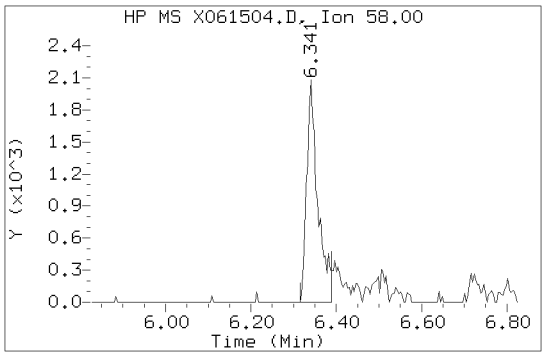
BEFORE

MASS
58
AREA
3808
HEIGHT
2081
20-Jun-2023
18:22
linh
pham



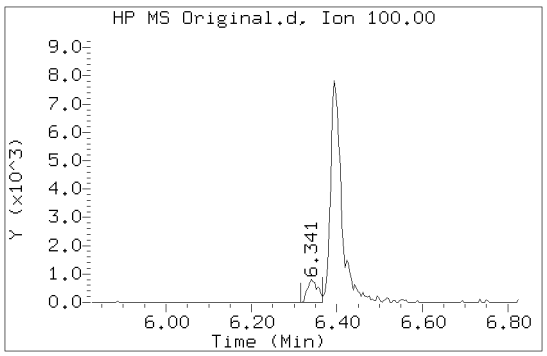
AFTER

MASS
58
AREA
3808
HEIGHT
2081
20-Jun-2023
18:22
linh
pham



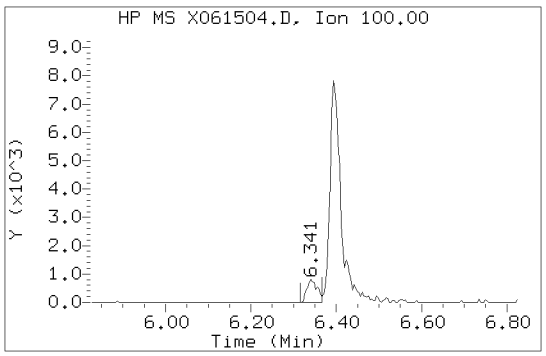
BEFORE

MASS
100
AREA
1400
HEIGHT
812
20-Jun-2023
18:22
linh
pham



AFTER

MASS
100
AREA
1400
HEIGHT
812
20-Jun-2023
18:22
linh
pham

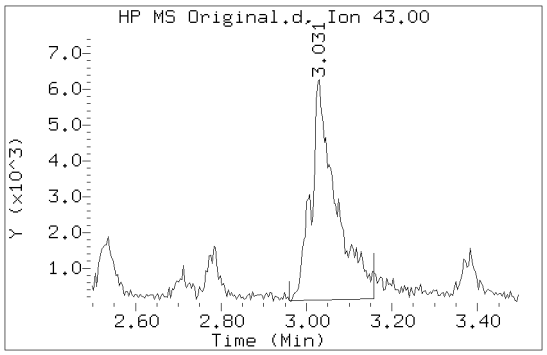


Vinyl Acetate (108-05-4)

Reason Code:

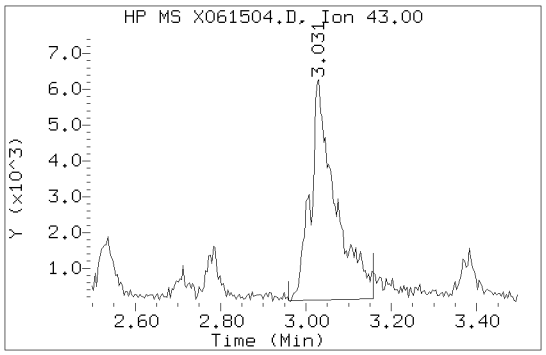
BEFORE

MASS
43
AREA
25154
HEIGHT
6147
20-Jun-2023
18:22
linh
pham



AFTER

MASS
43
AREA
25154
HEIGHT
6147
20-Jun-2023
18:22
linh
pham



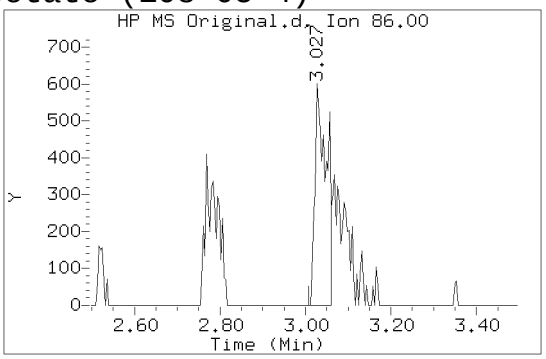
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Inj Date : 15-JUN-2023 12:18
InstruID : voa6.i
LabSampID : VSTD001

Vinyl Acetate (108-05-4)

Reason Code:

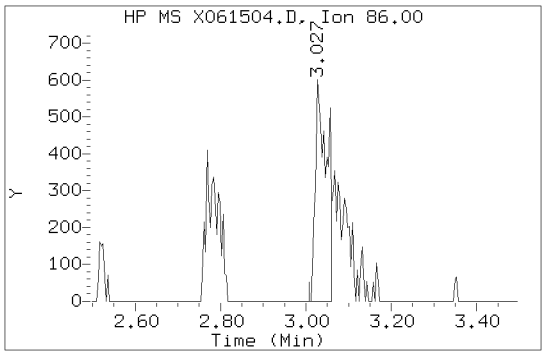
BEFORE

MASS
86
AREA
1128
HEIGHT
601
20-Jun-2023
18:22
linh
pham



AFTER

MASS
86
AREA
1128
HEIGHT
601
20-Jun-2023
18:22
linh
pham

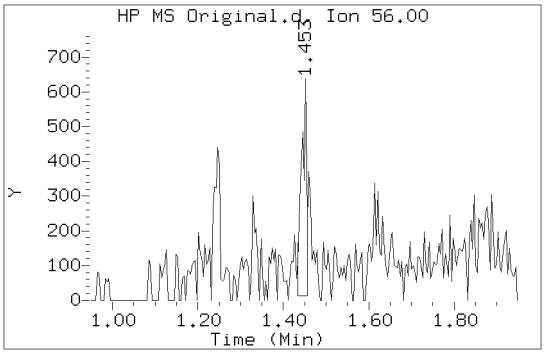


Acrolein (107-02-8)

Reason Code:

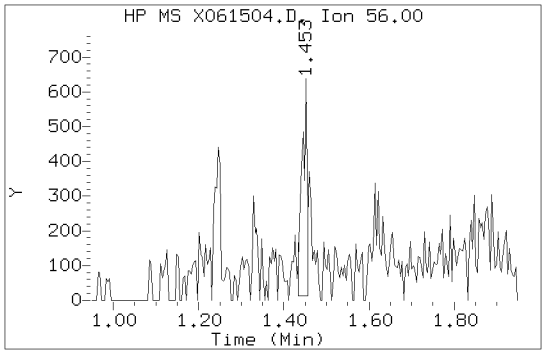
BEFORE

MASS
56
AREA
538
HEIGHT
626
20-Jun-2023
18:22
linh
pham



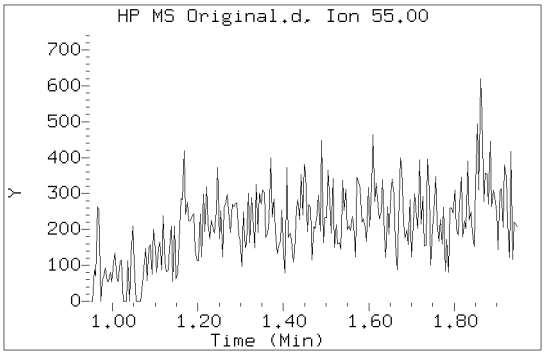
AFTER

MASS
56
AREA
538
HEIGHT
626
20-Jun-2023
18:22
linh
pham



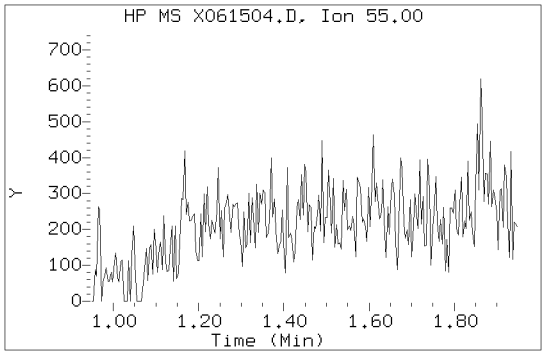
BEFORE

MASS
55
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



AFTER

MASS
55
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham

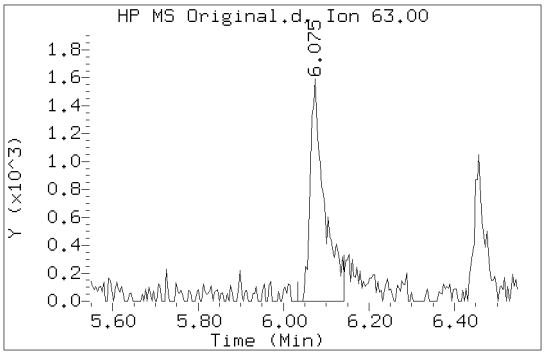


2-Chloroethylvinyl ether (110-75-8)

Reason Code:

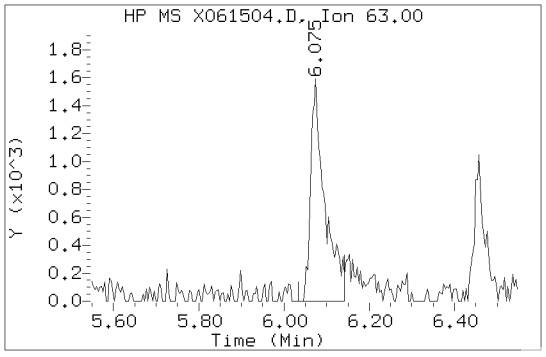
BEFORE

MASS
63
AREA
3674
HEIGHT
1592
20-Jun-2023
18:22
linh
pham



AFTER

MASS
63
AREA
3674
HEIGHT
1592
20-Jun-2023
18:22
linh
pham

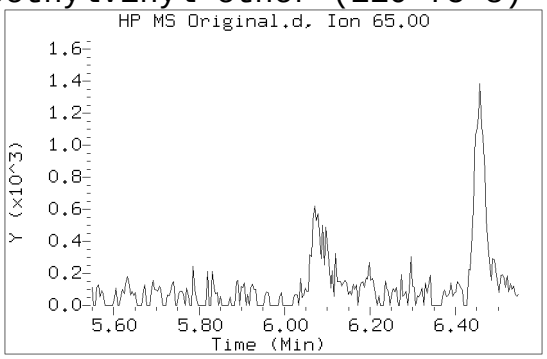


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Inj Date : 15-JUN-2023 12:18
InstruID : voa6.i
LabSampID : VSTD001

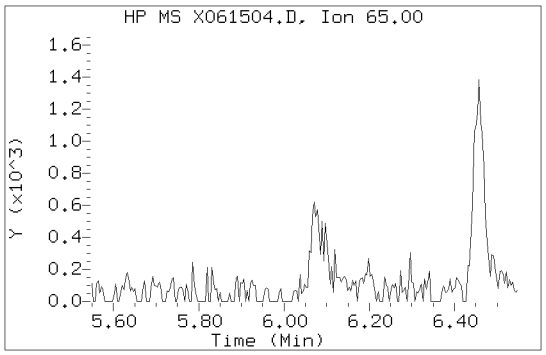
2-Chloroethylvinyl ether (110-75-8)

Reason Code:

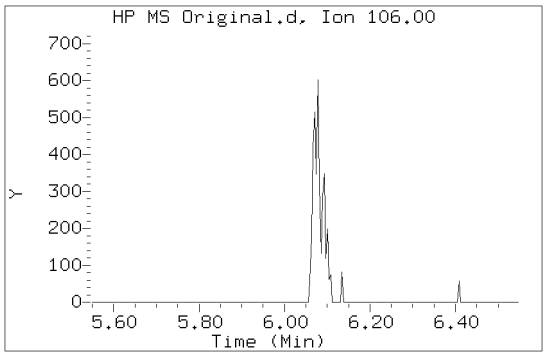
BEFORE
MASS
65
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



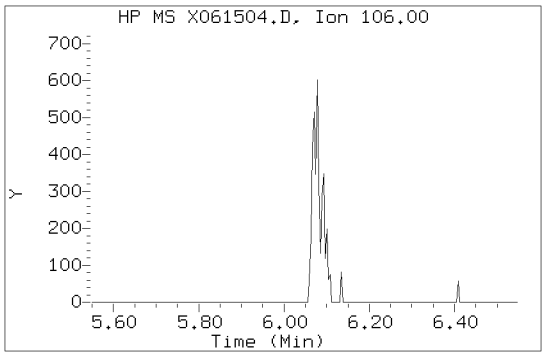
AFTER
MASS
65
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
106
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



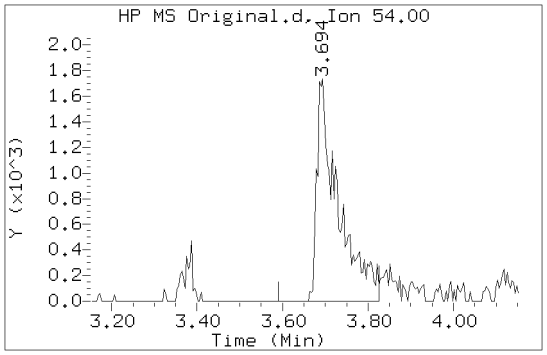
AFTER
MASS
106
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



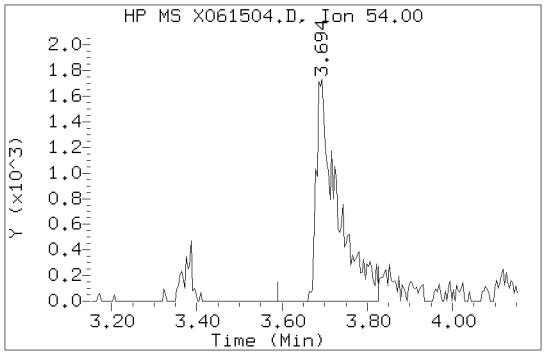
Propionitrile (107-12-0)

Reason Code:

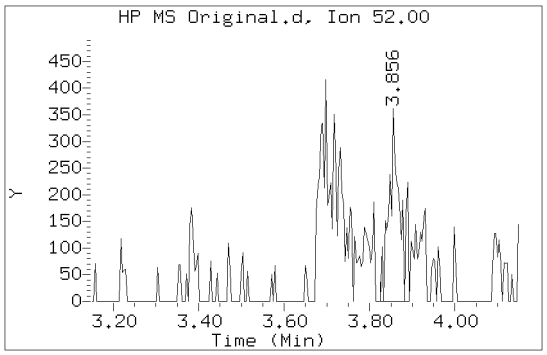
BEFORE
MASS
54
AREA
5974
HEIGHT
1735
20-Jun-2023
18:22
linh
pham



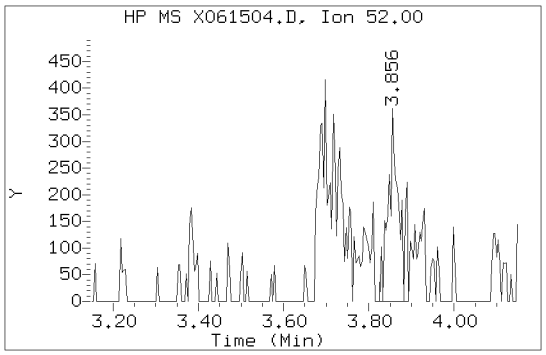
AFTER
MASS
54
AREA
5974
HEIGHT
1735
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
52
AREA
648
HEIGHT
362
20-Jun-2023
18:22
linh
pham



AFTER
MASS
52
AREA
648
HEIGHT
362
20-Jun-2023
18:22
linh
pham



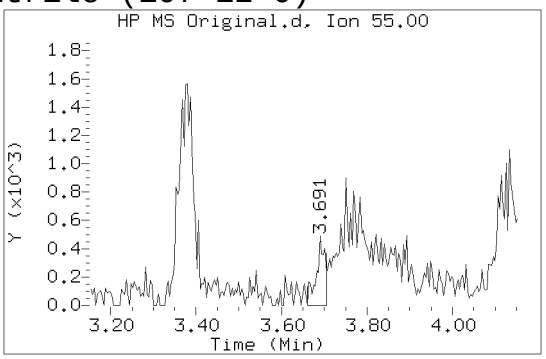
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Inj Date : 15-JUN-2023 12:18
InstruID : voa6.i
LabSampID : VSTD001

Propionitrile (107-12-0)

Reason Code:

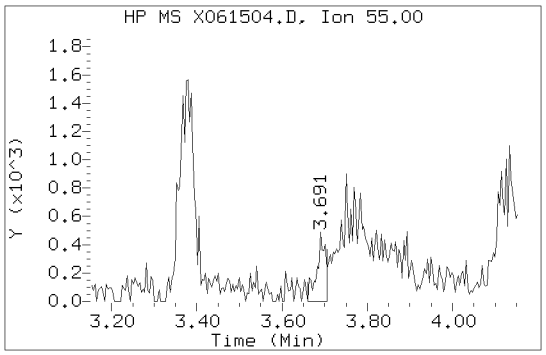
BEFORE

MASS
55
AREA
674
HEIGHT
489
20-Jun-2023
18:22
linh
pham



AFTER

MASS
55
AREA
674
HEIGHT
489
20-Jun-2023
18:22
linh
pham

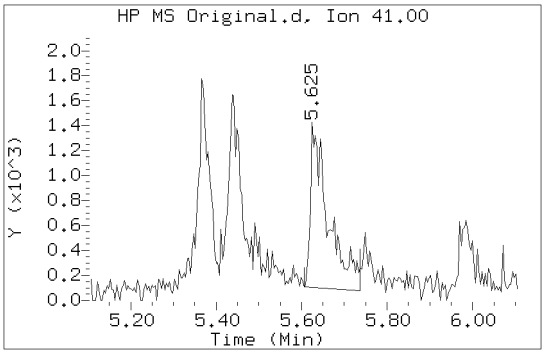


Methyl Methacrylate (80-62-6)

Reason Code:

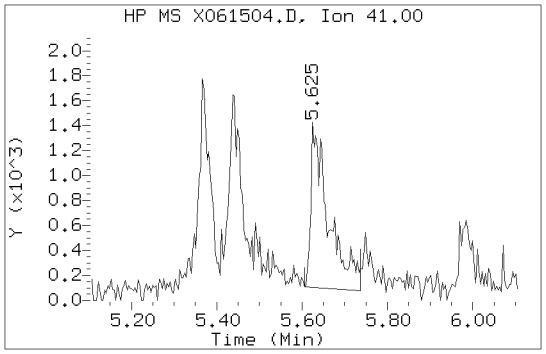
BEFORE

MASS
41
AREA
3817
HEIGHT
1324
20-Jun-2023
18:22
linh
pham



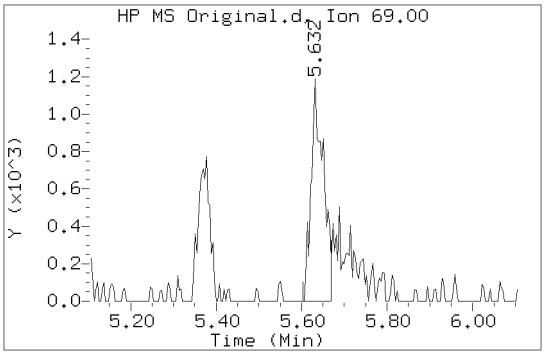
AFTER

MASS
41
AREA
3817
HEIGHT
1324
20-Jun-2023
18:22
linh
pham



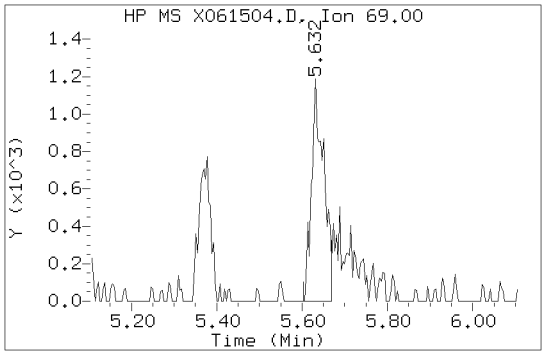
BEFORE

MASS
69
AREA
2379
HEIGHT
1188
20-Jun-2023
18:22
linh
pham



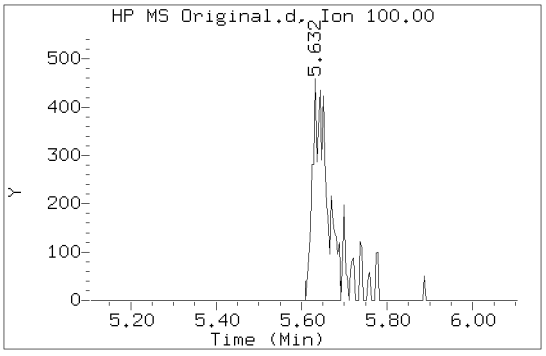
AFTER

MASS
69
AREA
2379
HEIGHT
1188
20-Jun-2023
18:22
linh
pham



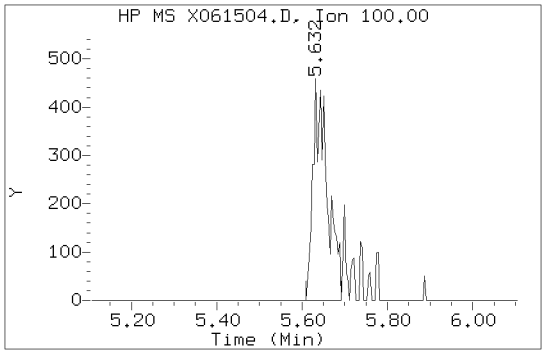
BEFORE

MASS
100
AREA
1063
HEIGHT
459
20-Jun-2023
18:22
linh
pham



AFTER

MASS
100
AREA
1063
HEIGHT
459
20-Jun-2023
18:22
linh
pham



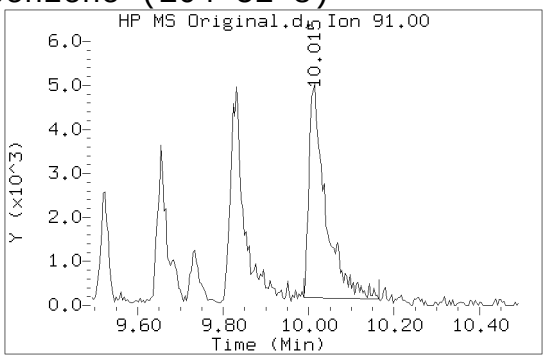
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Inj Date : 15-JUN-2023 12:18
InstruID : voa6.i
LabSampID : VSTD001

n-Butylbenzene (104-51-8)

Reason Code:

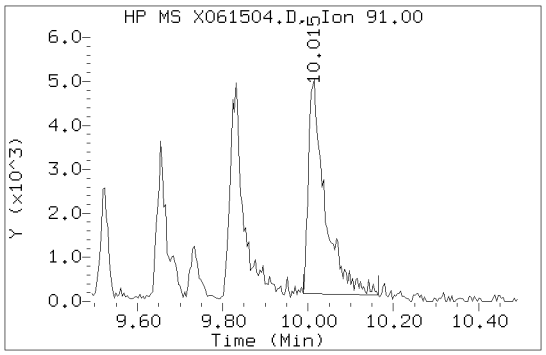
BEFORE

MASS
91
AREA
13132
HEIGHT
4870
20-Jun-2023
18:22
linh
pham



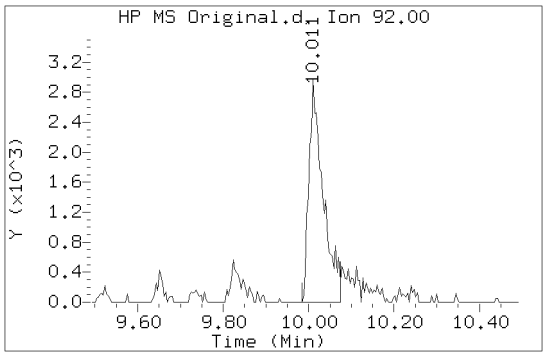
AFTER

MASS
91
AREA
13132
HEIGHT
4870
20-Jun-2023
18:22
linh
pham



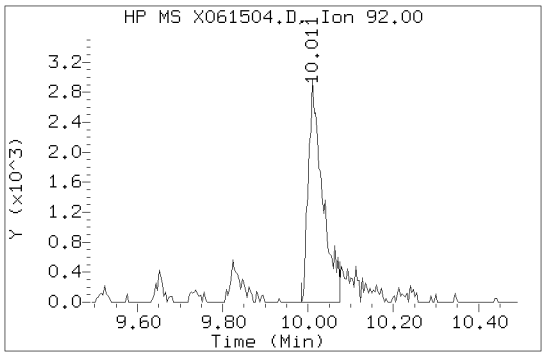
BEFORE

MASS
92
AREA
6834
HEIGHT
2964
20-Jun-2023
18:22
linh
pham



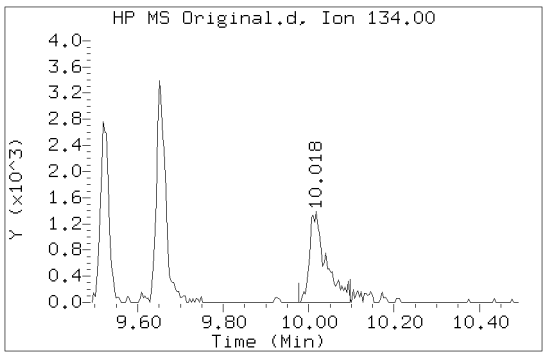
AFTER

MASS
92
AREA
6834
HEIGHT
2964
20-Jun-2023
18:22
linh
pham



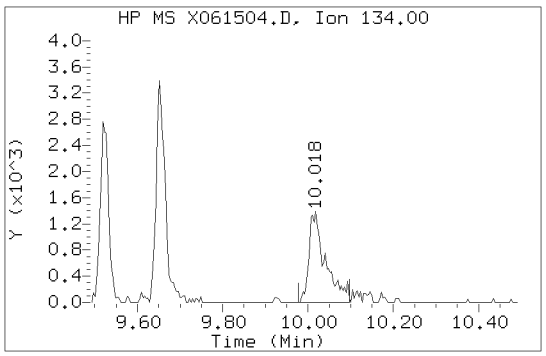
BEFORE

MASS
134
AREA
3724
HEIGHT
1389
20-Jun-2023
18:22
linh
pham



AFTER

MASS
134
AREA
3724
HEIGHT
1389
20-Jun-2023
18:22
linh
pham

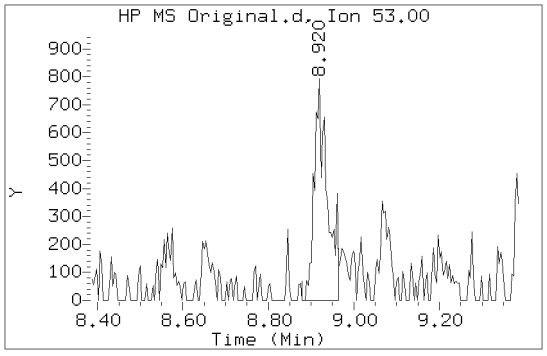


trans-1,4-Dichloro-2-butene (110-57-6)

Reason Code:

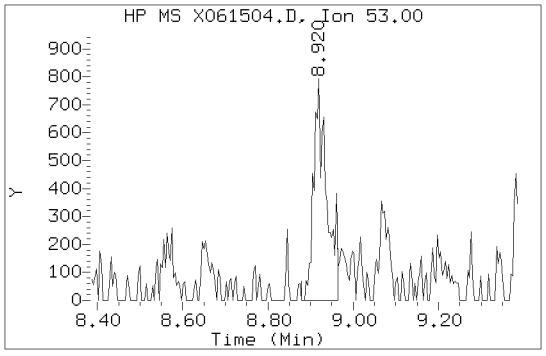
BEFORE

MASS
53
AREA
1668
HEIGHT
793
20-Jun-2023
18:22
linh
pham



AFTER

MASS
53
AREA
1668
HEIGHT
793
20-Jun-2023
18:22
linh
pham



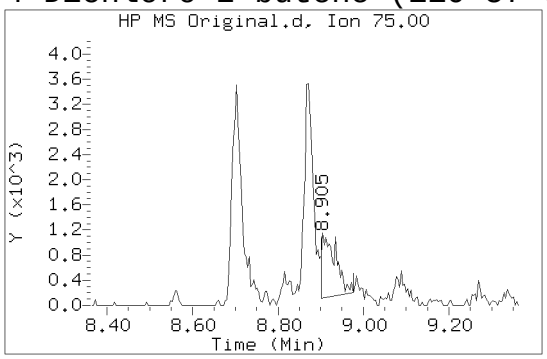
Data File : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061504.D
Inj Date : 15-JUN-2023 12:18
InstruID : voa6.i
LabSampID : VSTD001

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

Reason Code:

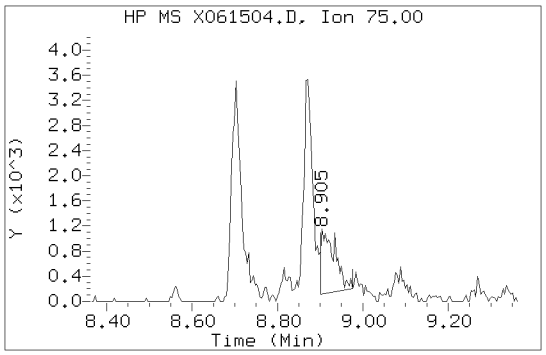
BEFORE

MASS
75
AREA
2315
HEIGHT
1032
20-Jun-2023
18:22
linh
pham



AFTER

MASS
75
AREA
2315
HEIGHT
1032
20-Jun-2023
18:22
linh
pham

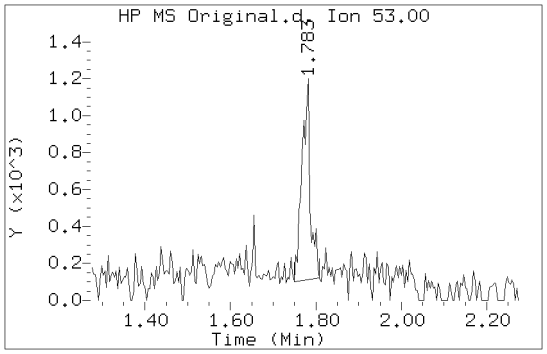


Chloroprene (126-99-8)

Reason Code:

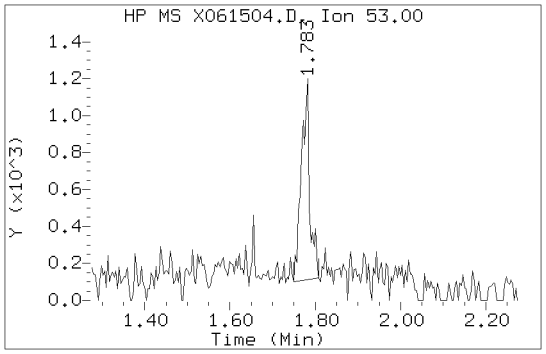
BEFORE

MASS
53
AREA
1506
HEIGHT
1087
20-Jun-2023
18:22
linh
pham



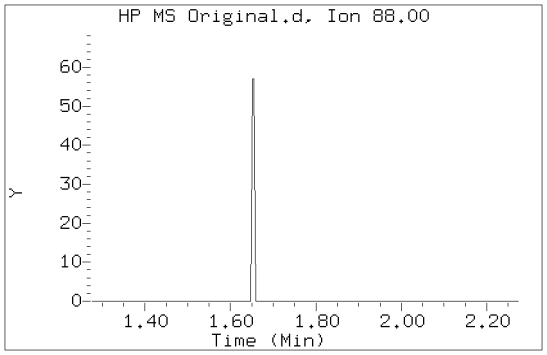
AFTER

MASS
53
AREA
1506
HEIGHT
1087
20-Jun-2023
18:22
linh
pham



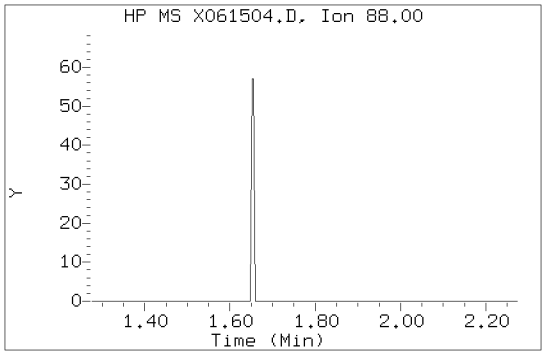
BEFORE

MASS
88
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



AFTER

MASS
88
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham

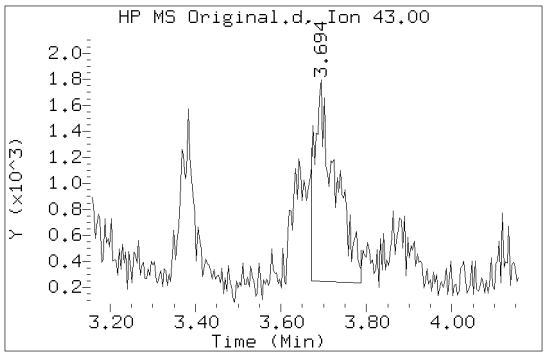


Ethyl Acetate (141-78-6)

Reason Code:

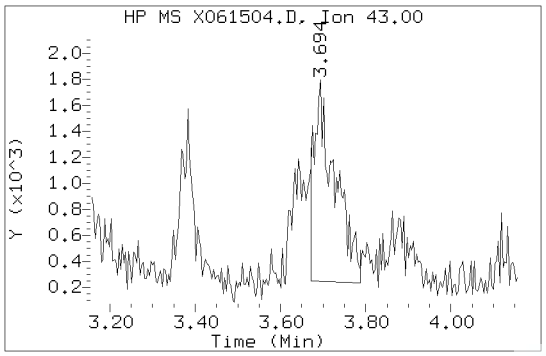
BEFORE

MASS
43
AREA
5317
HEIGHT
1547
20-Jun-2023
18:22
linh
pham



AFTER

MASS
43
AREA
5317
HEIGHT
1547
20-Jun-2023
18:22
linh
pham

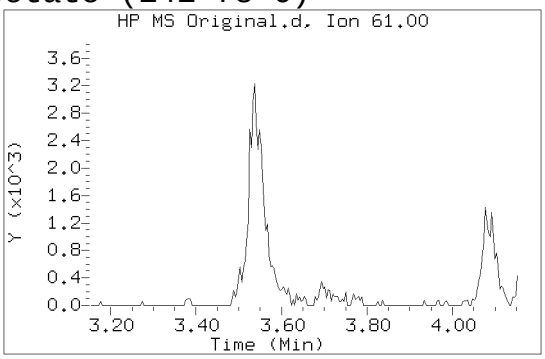


Data File : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061504.D
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InstruID : voa6.i
LabSampID : VSTD001

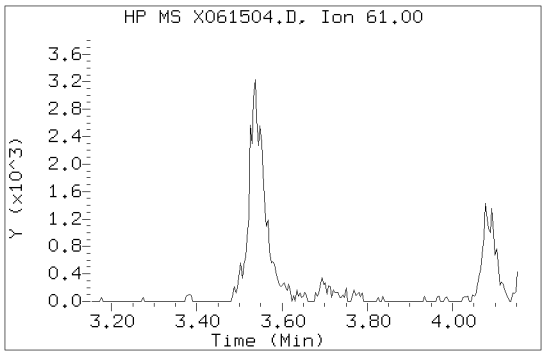
Ethyl Acetate (141-78-6)

Reason Code:

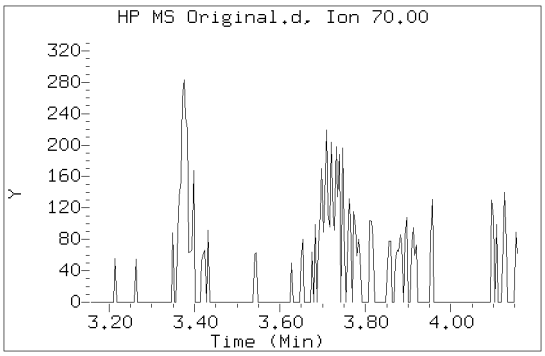
BEFORE
MASS
61
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



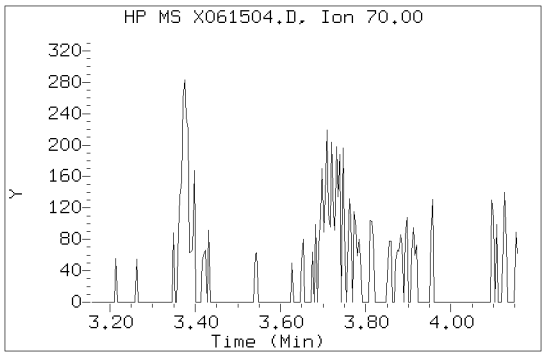
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MASS
61
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HEIGHT
0
20-Jun-2023
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BEFORE
MASS
70
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HEIGHT
0
20-Jun-2023
18:22
linh
pham



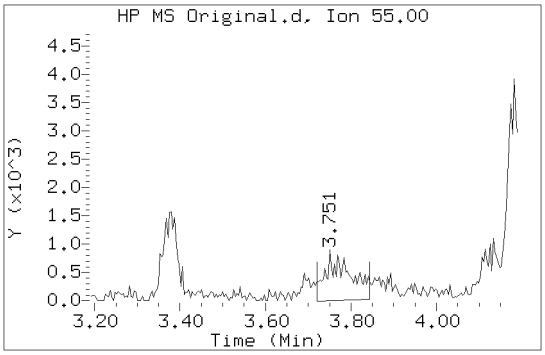
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MASS
70
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HEIGHT
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20-Jun-2023
18:22
linh
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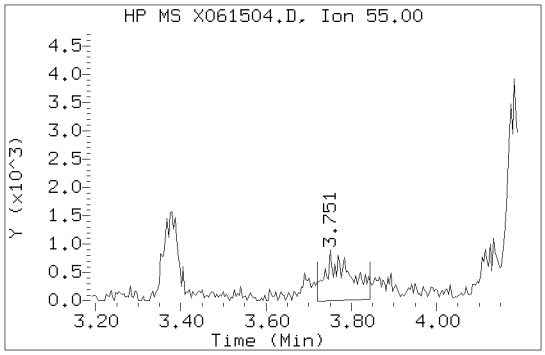
Methyl Acrylate (96-33-3)

Reason Code:

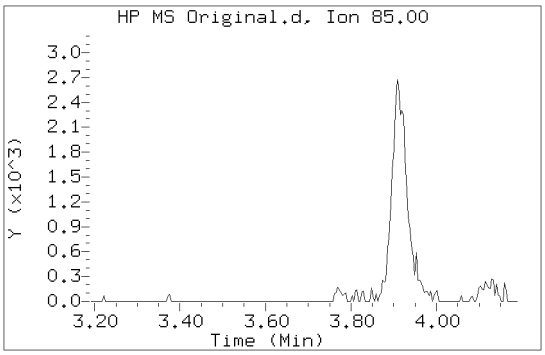
BEFORE
MASS
55
AREA
3465
HEIGHT
896
20-Jun-2023
18:22
linh
pham



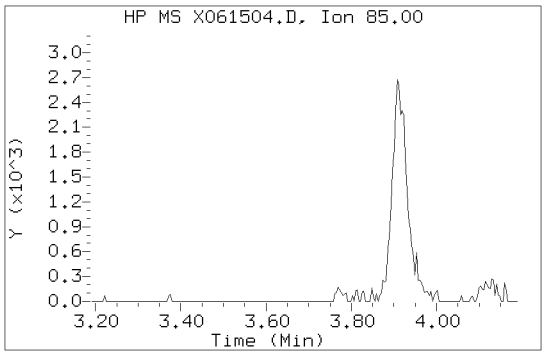
AFTER
MASS
55
AREA
3465
HEIGHT
896
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
85
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



AFTER
MASS
85
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



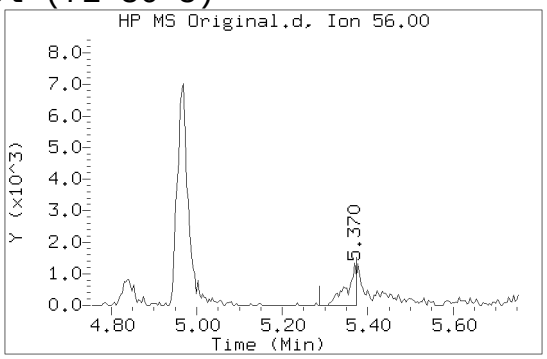
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Inj Date : 15-JUN-2023 12:18
InstruID : voa6.i
LabSampID : VSTD001

n-Butanol (71-36-3)

Reason Code:

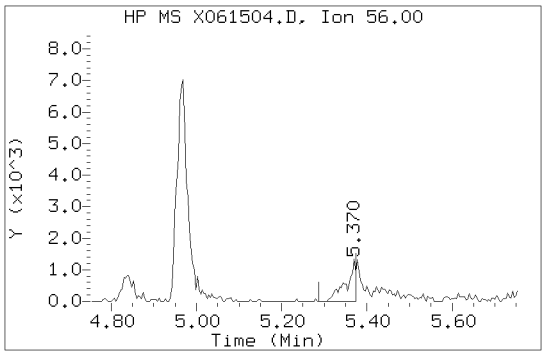
BEFORE

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56
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2023
HEIGHT
1343
20-Jun-2023
18:22
linh
pham



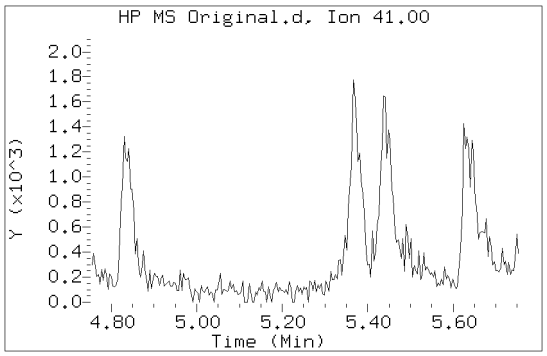
AFTER

MASS
56
AREA
2023
HEIGHT
1343
20-Jun-2023
18:22
linh
pham



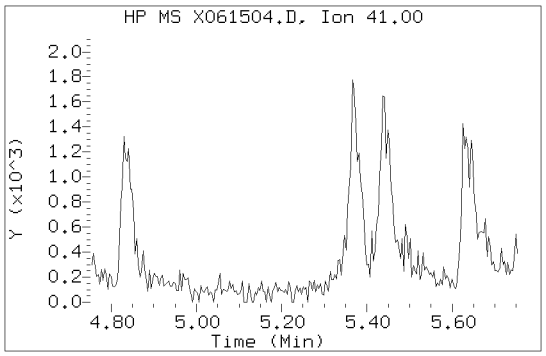
BEFORE

MASS
41
AREA
0
HEIGHT
0
20-Jun-2023
18:22
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pham



AFTER

MASS
41
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham

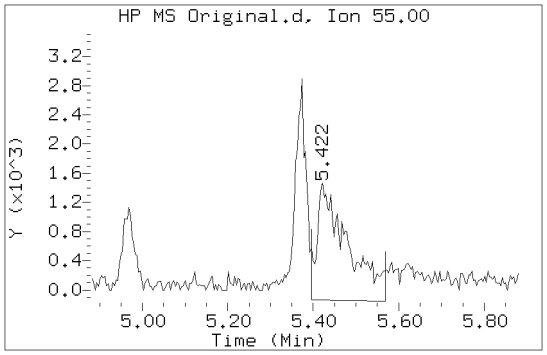


Ethyl Acrylate (140-88-5)

Reason Code:

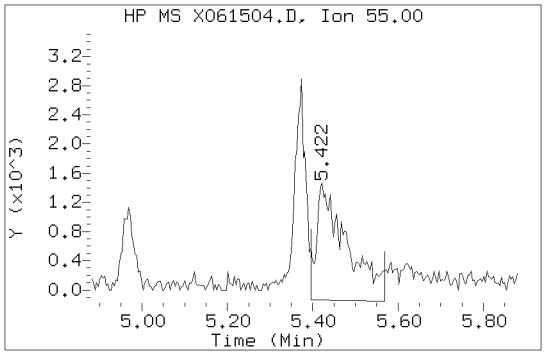
BEFORE

MASS
55
AREA
8042
HEIGHT
1606
20-Jun-2023
18:22
linh
pham



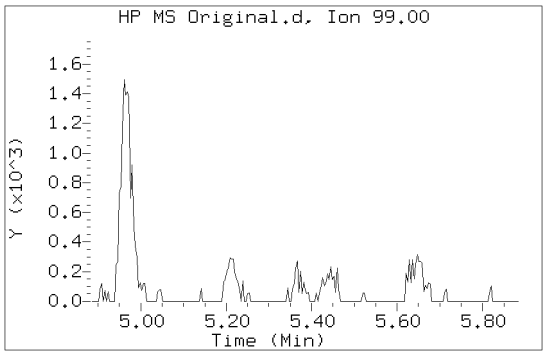
AFTER

MASS
55
AREA
8042
HEIGHT
1606
20-Jun-2023
18:22
linh
pham



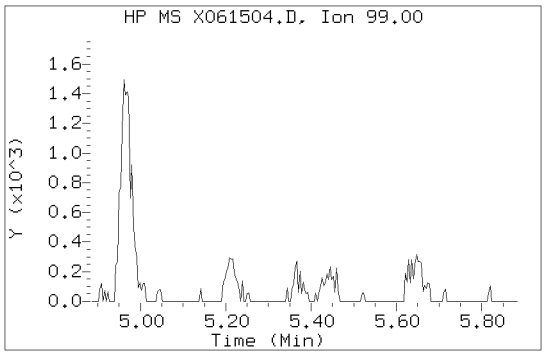
BEFORE

MASS
99
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



AFTER

MASS
99
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham

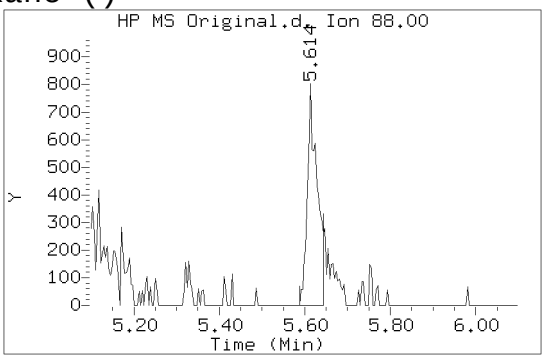


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Inj Date : 15-JUN-2023 12:18
InstruID : voa6.i
LabSampID : VSTD001

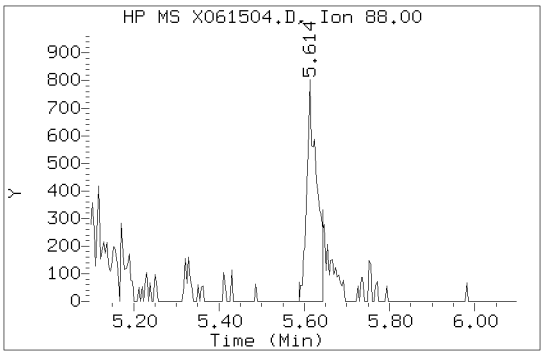
1,4-Dioxane ()

Reason Code:

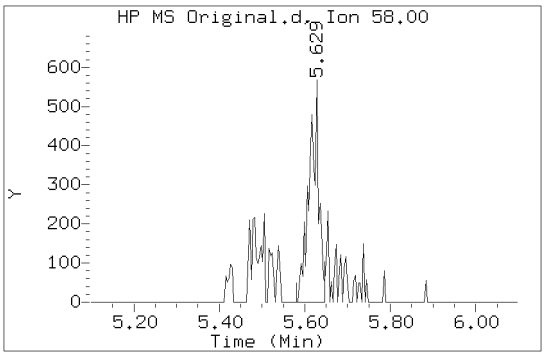
BEFORE
MASS
88
AREA
1286
HEIGHT
803
20-Jun-2023
18:22
linh
pham



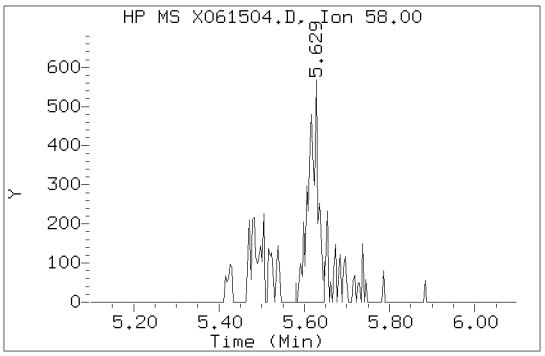
AFTER
MASS
88
AREA
1286
HEIGHT
803
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
58
AREA
874
HEIGHT
568
20-Jun-2023
18:22
linh
pham



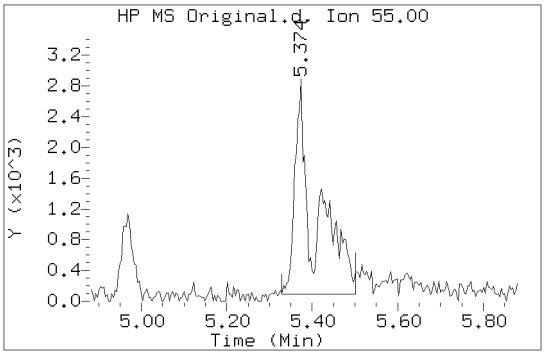
AFTER
MASS
58
AREA
874
HEIGHT
568
20-Jun-2023
18:22
linh
pham



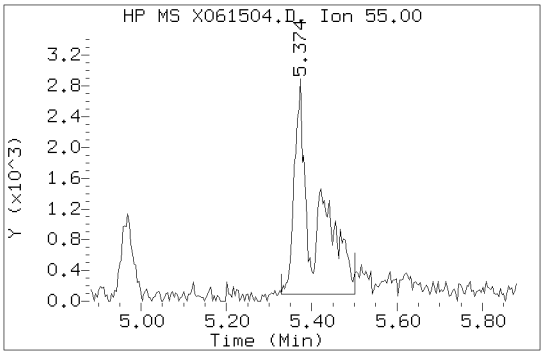
Methylcyclohexane (108-87-2)

Reason Code:

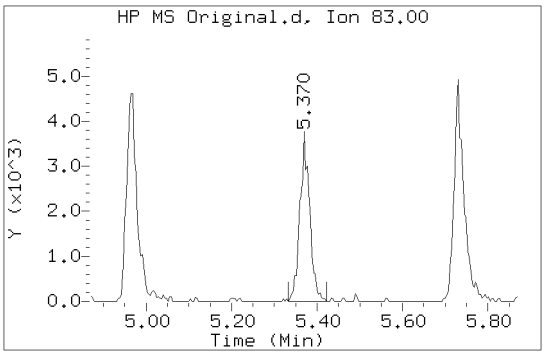
BEFORE
MASS
55
AREA
9209
HEIGHT
2801
20-Jun-2023
18:22
linh
pham



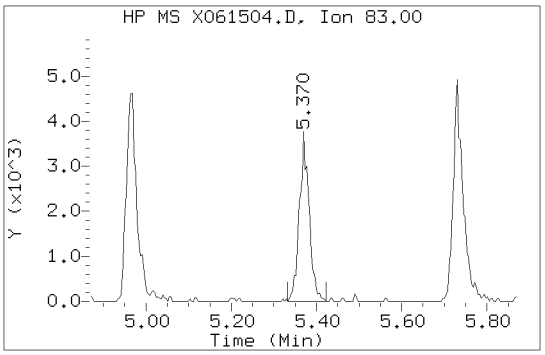
AFTER
MASS
55
AREA
9209
HEIGHT
2801
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
83
AREA
6088
HEIGHT
3776
20-Jun-2023
18:22
linh
pham



AFTER
MASS
83
AREA
6088
HEIGHT
3776
20-Jun-2023
18:22
linh
pham

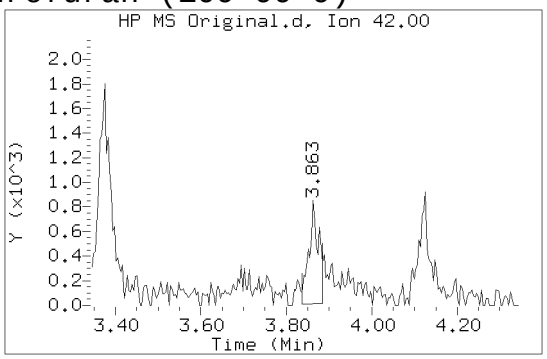


Data File : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061504.D
Inj Date : 15-JUN-2023 12:18
InstruID : voa6.i
LabSampID : VSTD001

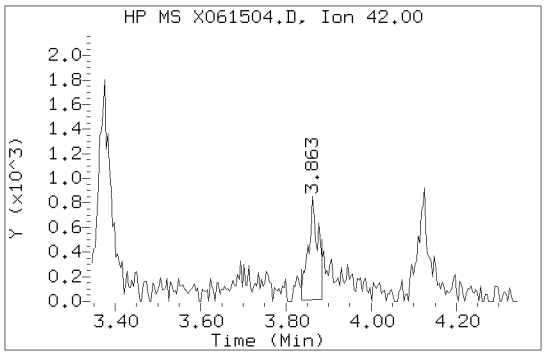
Tetrahydrofuran (109-99-9)

Reason Code:

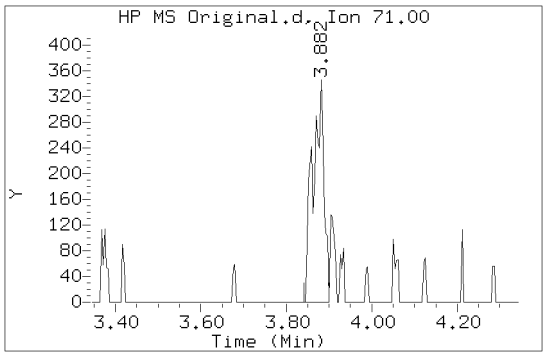
BEFORE
MASS
42
AREA
1350
HEIGHT
841
20-Jun-2023
18:22
linh
pham



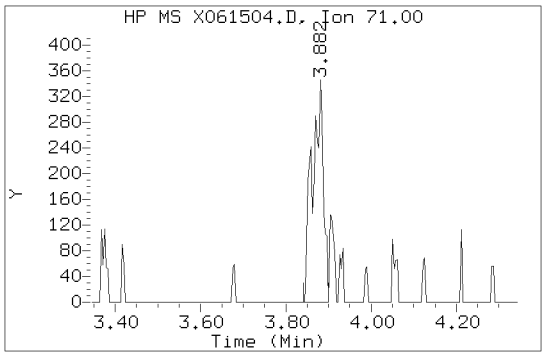
AFTER
MASS
42
AREA
1350
HEIGHT
841
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
71
AREA
625
HEIGHT
346
20-Jun-2023
18:22
linh
pham



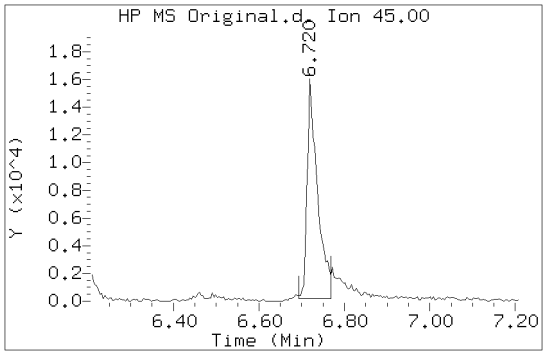
AFTER
MASS
71
AREA
625
HEIGHT
346
20-Jun-2023
18:22
linh
pham



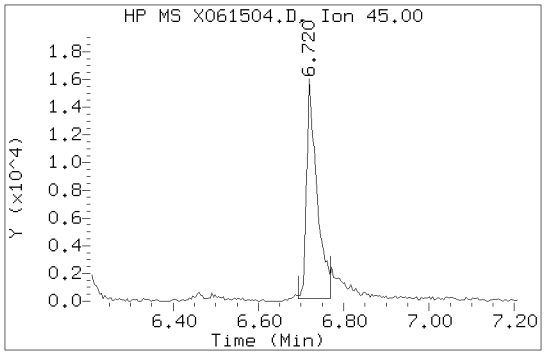
4-Methyl-2-pentanol (108-11-2)

Reason Code:

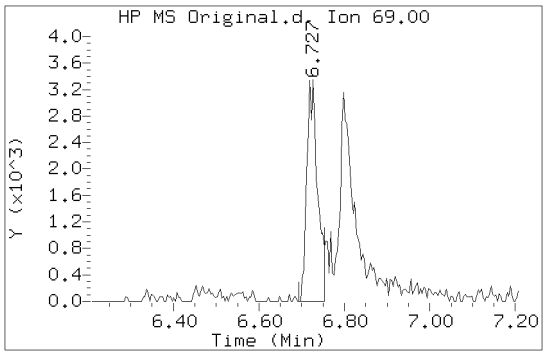
BEFORE
MASS
45
AREA
26840
HEIGHT
15843
20-Jun-2023
18:22
linh
pham



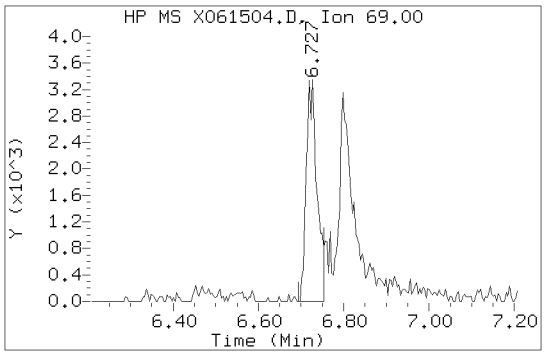
AFTER
MASS
45
AREA
26840
HEIGHT
15843
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
69
AREA
5923
HEIGHT
3349
20-Jun-2023
18:22
linh
pham



AFTER
MASS
69
AREA
5923
HEIGHT
3349
20-Jun-2023
18:22
linh
pham



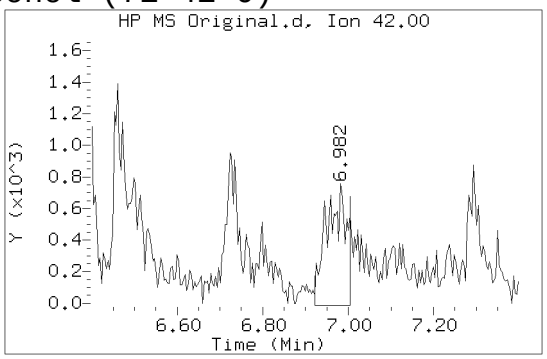
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Inj Date : 15-JUN-2023 12:18
InstruID : voa6.i
LabSampID : VSTD001

Amyl alcohol (71-41-0)

Reason Code:

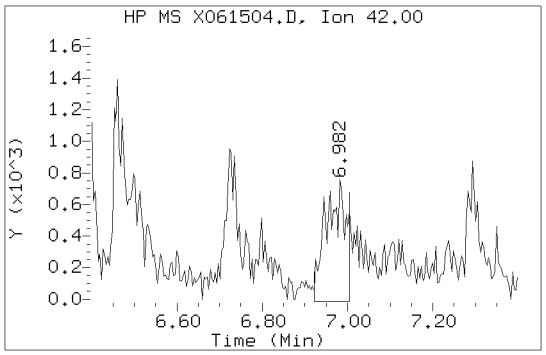
BEFORE

MASS
42
AREA
2449
HEIGHT
771
20-Jun-2023
18:22
linh
pham



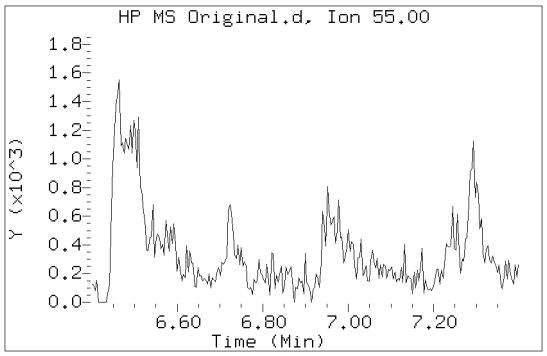
AFTER

MASS
42
AREA
2449
HEIGHT
771
20-Jun-2023
18:22
linh
pham



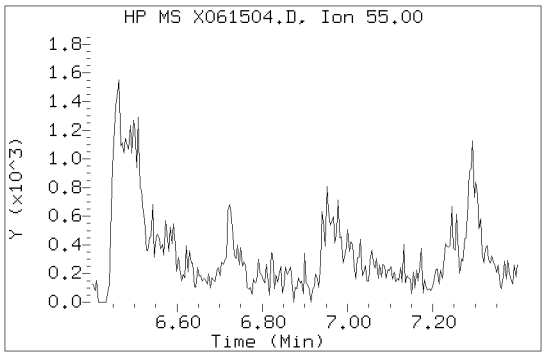
BEFORE

MASS
55
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



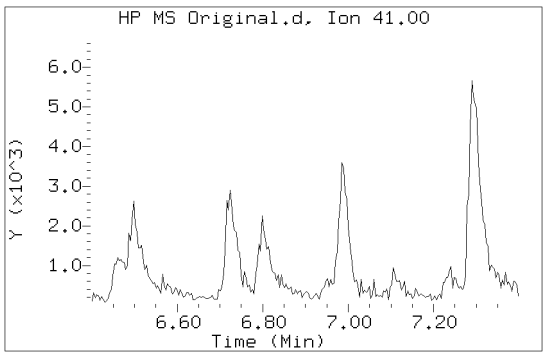
AFTER

MASS
55
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



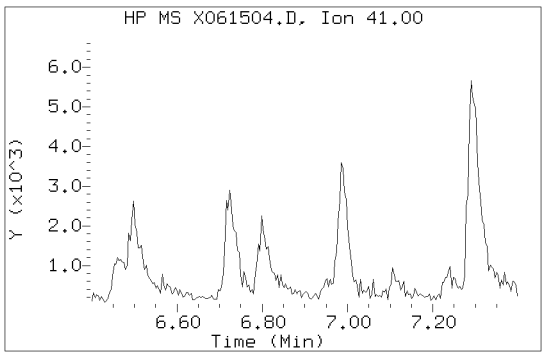
BEFORE

MASS
41
AREA
0
HEIGHT
0
20-Jun-2023
18:22
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pham



AFTER

MASS
41
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham

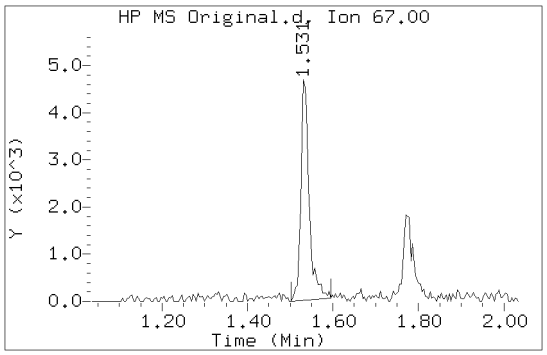


Dichlorofluoromethane (75-43-4)

Reason Code:

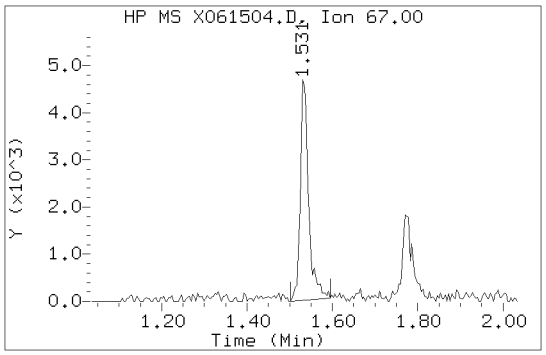
BEFORE

MASS
67
AREA
6498
HEIGHT
4679
20-Jun-2023
18:22
linh
pham



AFTER

MASS
67
AREA
6498
HEIGHT
4679
20-Jun-2023
18:22
linh
pham

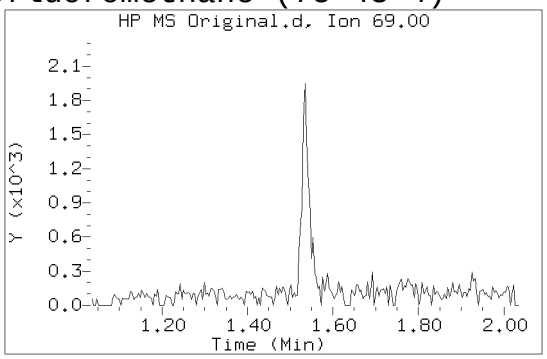


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InstruID : voa6.i
LabSampID : VSTD001

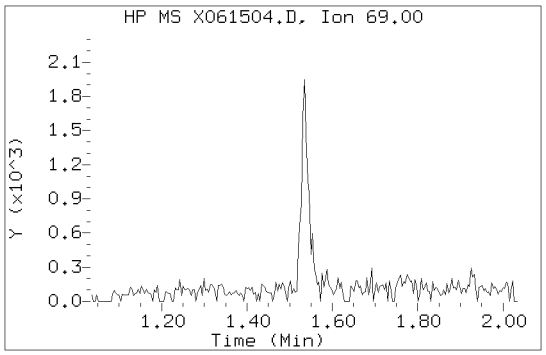
Dichlorofluoromethane (75-43-4)

Reason Code:

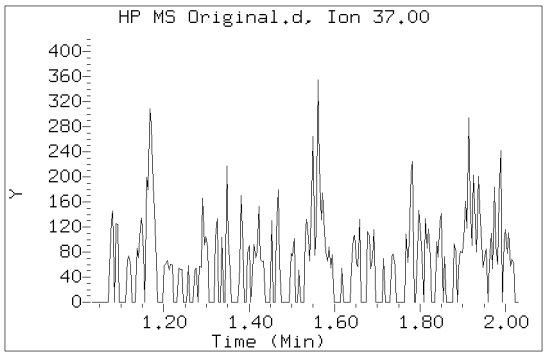
BEFORE
MASS
69
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



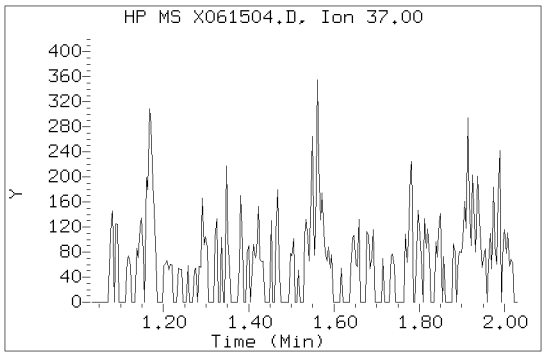
AFTER
MASS
69
AREA
0
HEIGHT
0
20-Jun-2023
18:22
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pham



BEFORE
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20-Jun-2023
18:22
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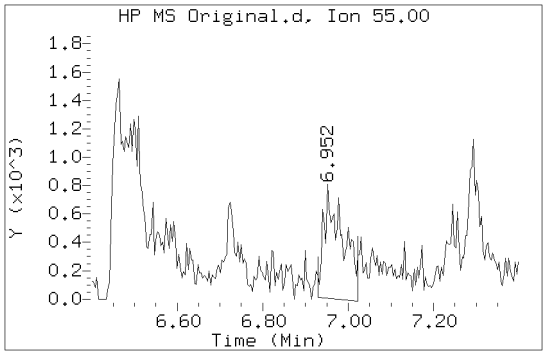
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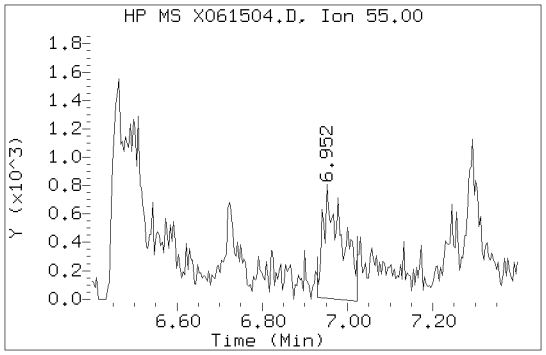
3-Methyl-1-butanol (123-51-3)

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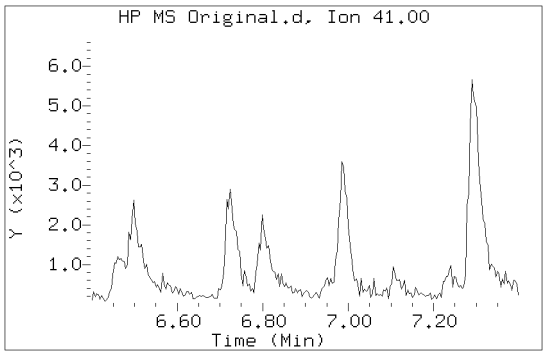
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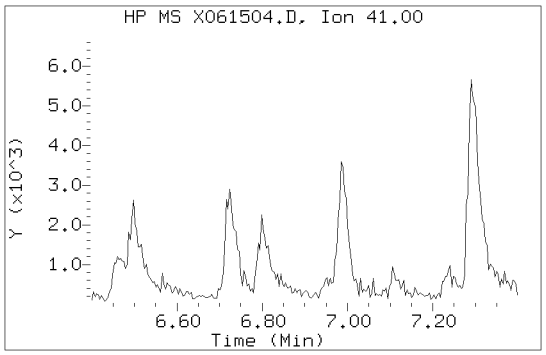
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804
20-Jun-2023
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BEFORE
MASS
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HEIGHT
0
20-Jun-2023
18:22
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AFTER
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20-Jun-2023
18:22
linh
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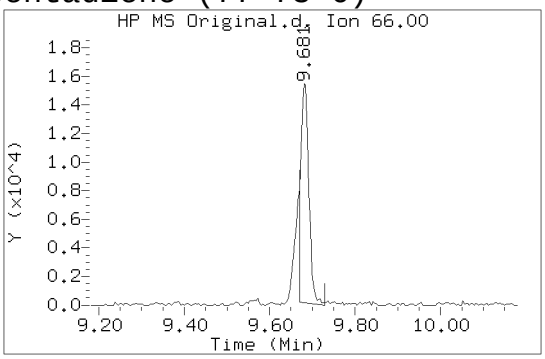


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InstruID : voa6.i
LabSampID : VSTD001

Dicyclopentadiene (77-73-6)

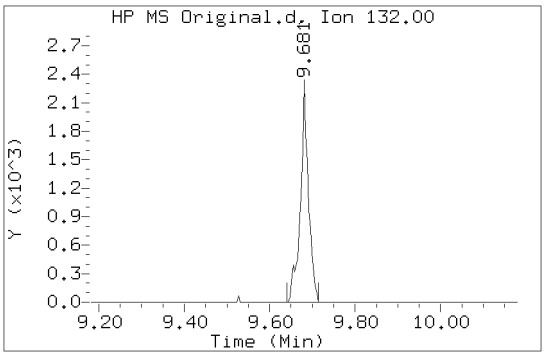
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HEIGHT
15318
20-Jun-2023
18:22
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pham



BEFORE

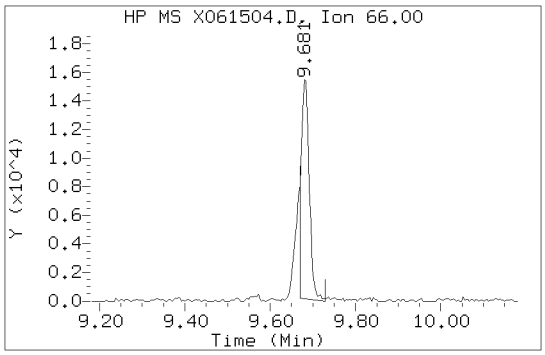
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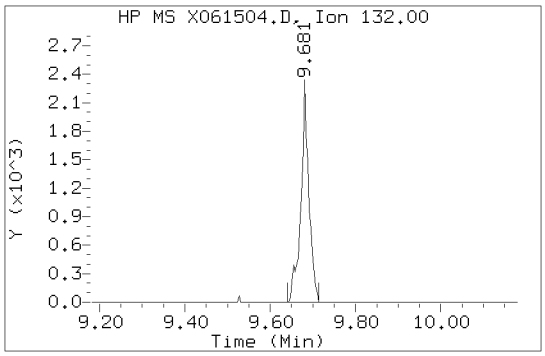
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AFTER

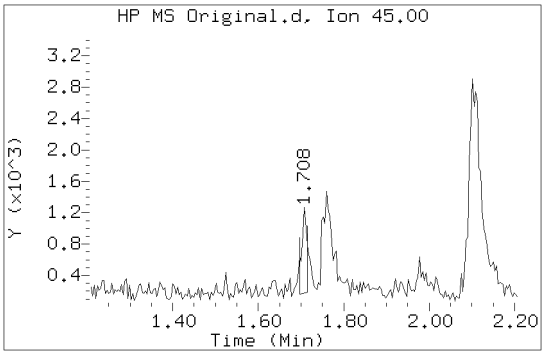
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18:22
linh
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Ethanol (64-17-5)

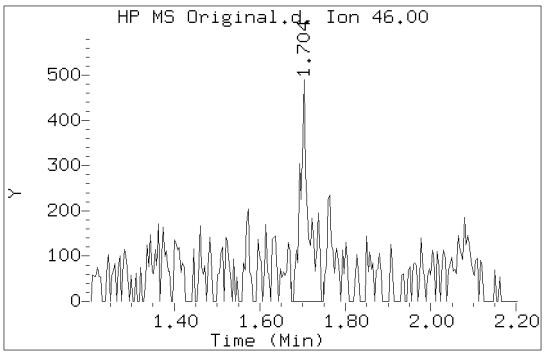
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1090
20-Jun-2023
18:22
linh
pham



BEFORE

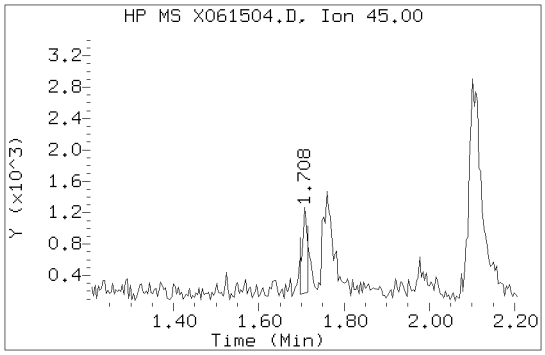
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HEIGHT
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20-Jun-2023
18:22
linh
pham



Reason Code:

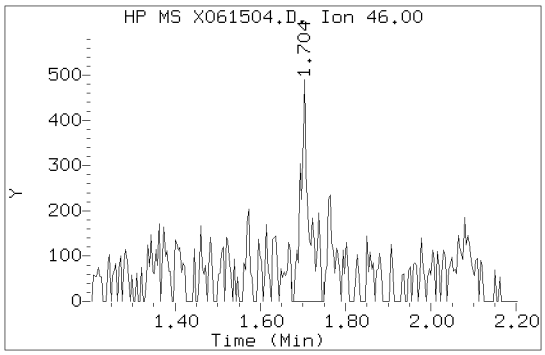
AFTER

MASS
45
AREA
953
HEIGHT
1090
20-Jun-2023
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pham



AFTER

MASS
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AREA
716
HEIGHT
490
20-Jun-2023
18:22
linh
pham



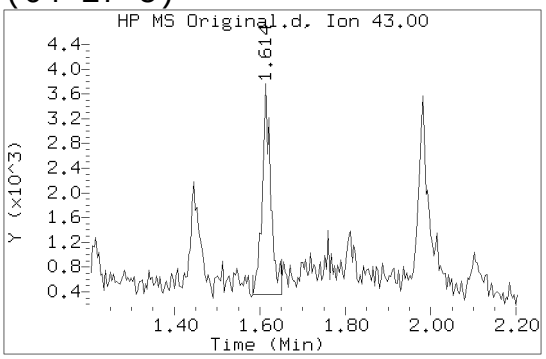
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InstruID : voa6.i
LabSampID : VSTD001

Ethanol (64-17-5)

Reason Code:

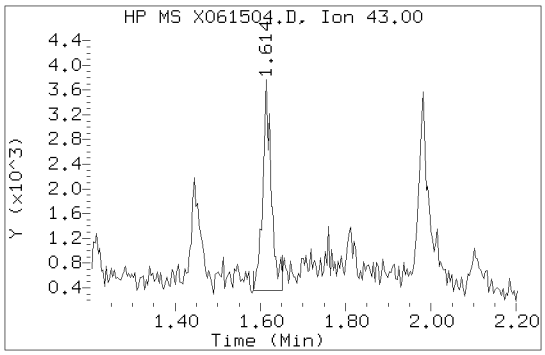
BEFORE

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HEIGHT
3406
20-Jun-2023
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AFTER

MASS
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4694
HEIGHT
3406
20-Jun-2023
18:22
linh
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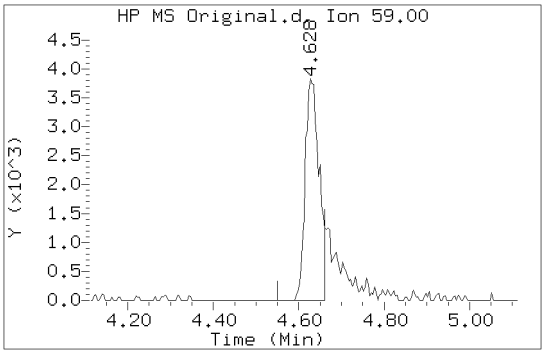


tert-Butyl formate (762-75-4)

Reason Code:

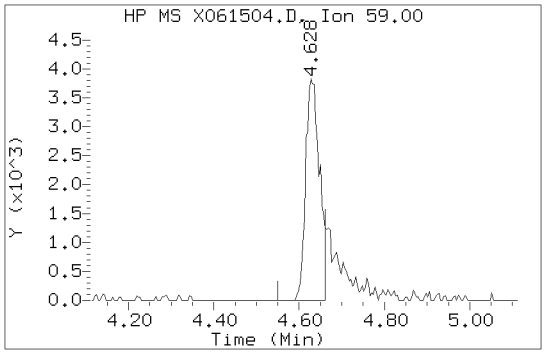
BEFORE

MASS
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8761
HEIGHT
3830
20-Jun-2023
18:22
linh
pham



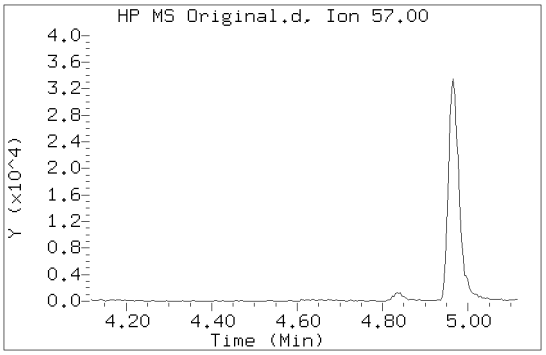
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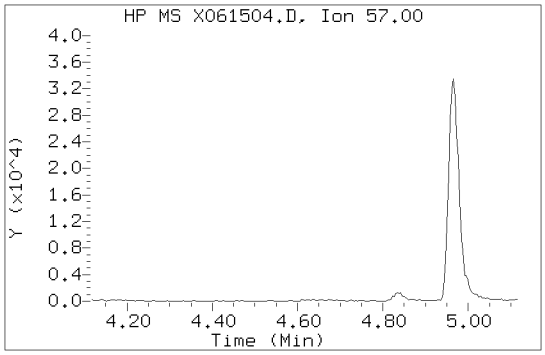
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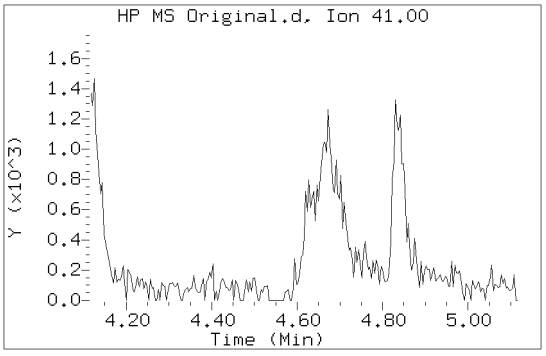
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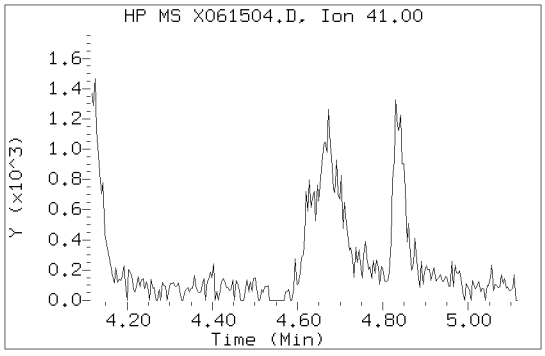
BEFORE

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AFTER

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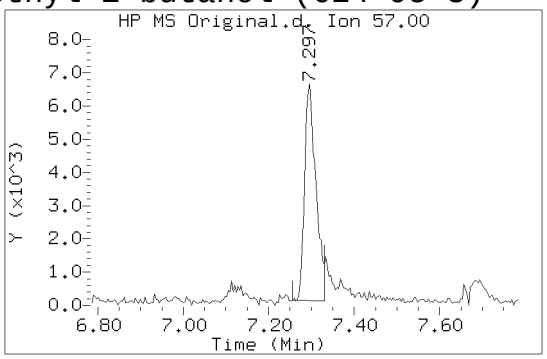


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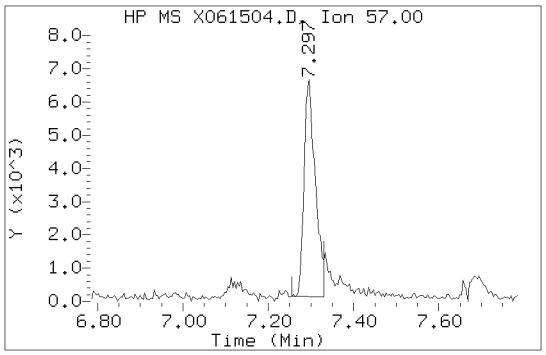
3,3-Dimethyl-1-butanol (624-95-3)

Reason Code:

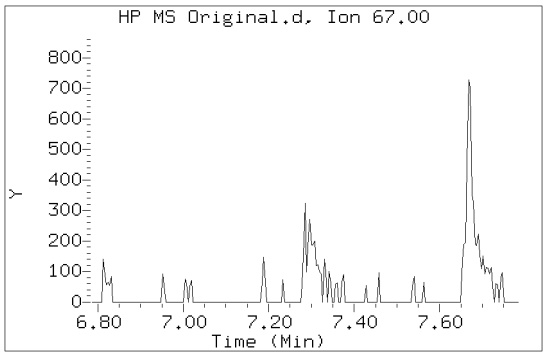
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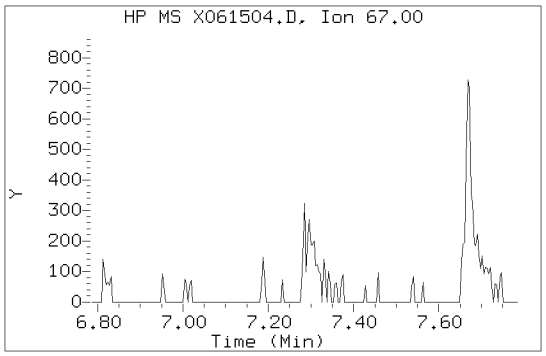
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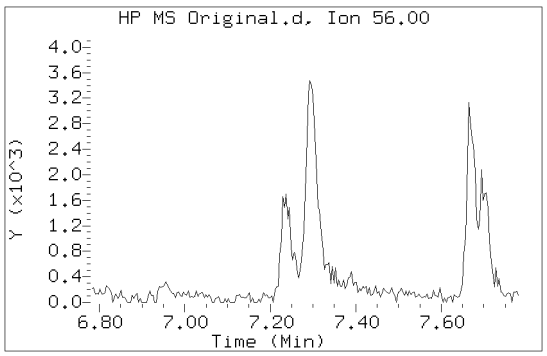
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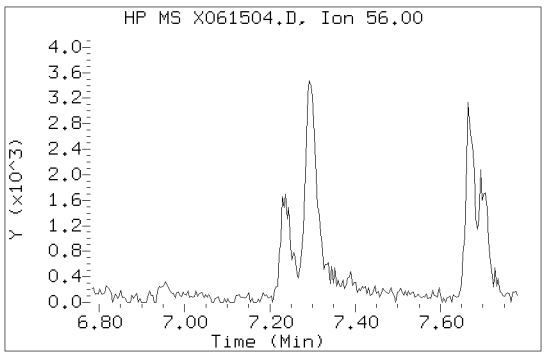
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BEFORE
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HEIGHT
0
20-Jun-2023
18:22
linh
pham



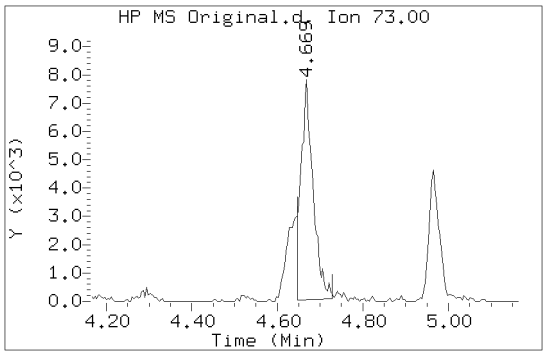
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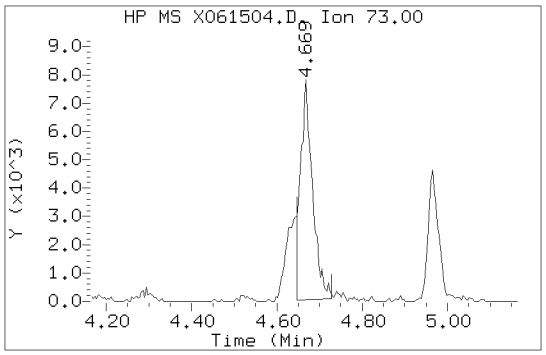
tert-Amyl methyl ether (974-05-08)

Reason Code:

BEFORE
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7775
20-Jun-2023
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AFTER
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HEIGHT
7775
20-Jun-2023
18:22
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pham



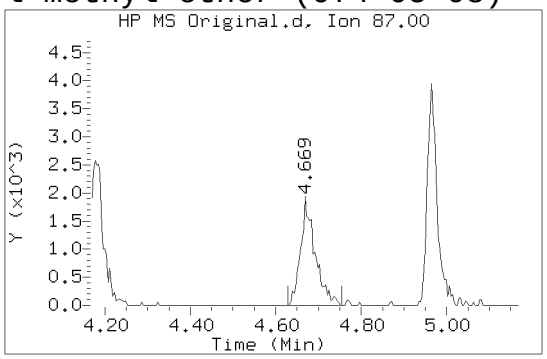
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Inj Date : 15-JUN-2023 12:18
InstruID : voa6.i
LabSampID : VSTD001

tert-Amyl methyl ether (974-05-08)

Reason Code:

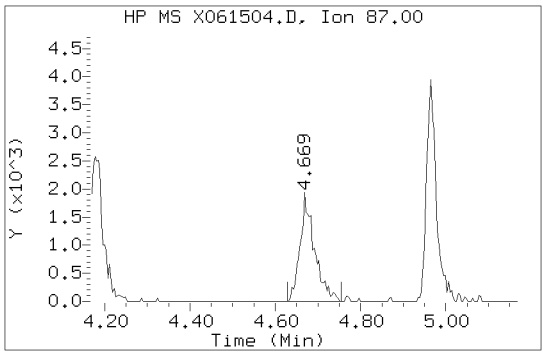
BEFORE

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4614
HEIGHT
1942
20-Jun-2023
18:22
linh
pham



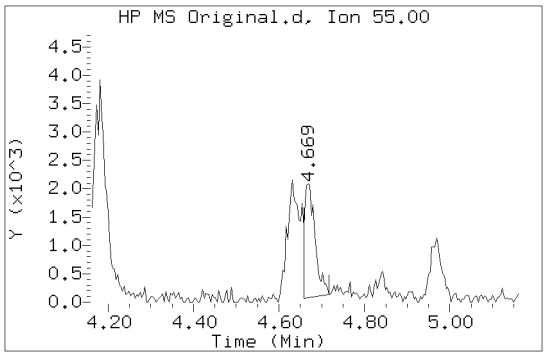
AFTER

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4614
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1942
20-Jun-2023
18:22
linh
pham



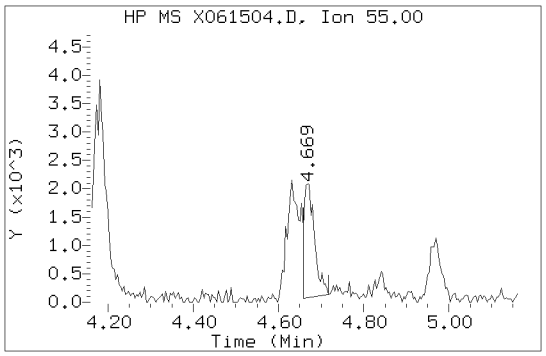
BEFORE

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20-Jun-2023
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AFTER

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20-Jun-2023
18:22
linh
pham

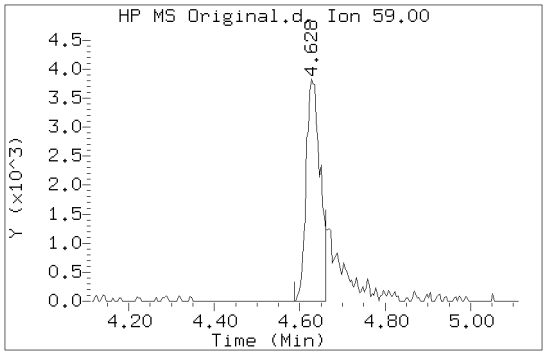


tert-Amyl alcohol (75-85-4)

Reason Code:

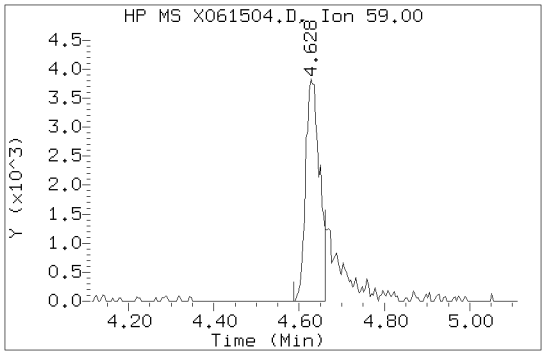
BEFORE

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HEIGHT
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20-Jun-2023
18:22
linh
pham



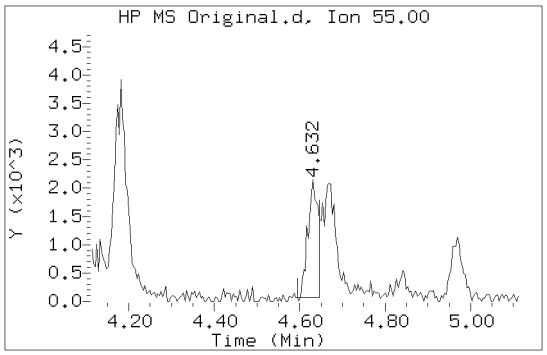
AFTER

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20-Jun-2023
18:22
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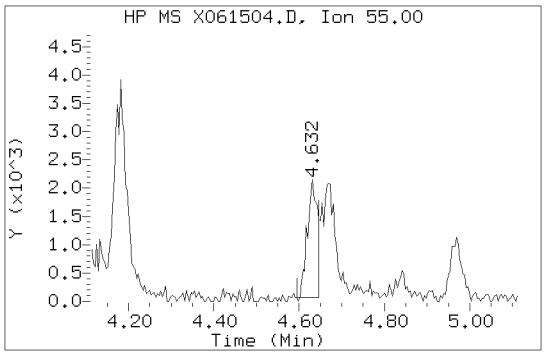
BEFORE

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AREA
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HEIGHT
2078
20-Jun-2023
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AFTER

MASS
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2078
20-Jun-2023
18:22
linh
pham



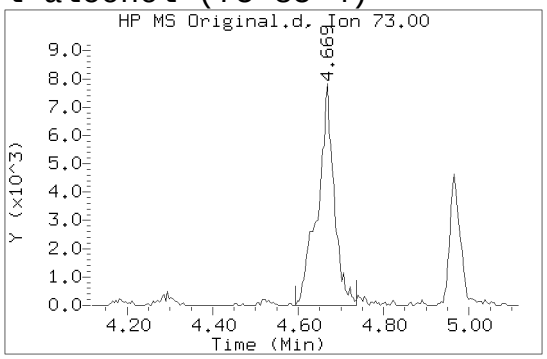
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Inj Date : 15-JUN-2023 12:18
InstruID : voa6.i
LabSampID : VSTD001

tert-Amyl alcohol (75-85-4)

Reason Code:

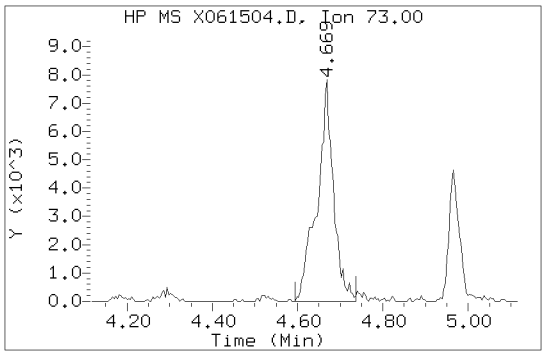
BEFORE

MASS
73
AREA
20939
HEIGHT
7828
20-Jun-2023
18:22
linh
pham



AFTER

MASS
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AREA
20939
HEIGHT
7828
20-Jun-2023
18:22
linh
pham

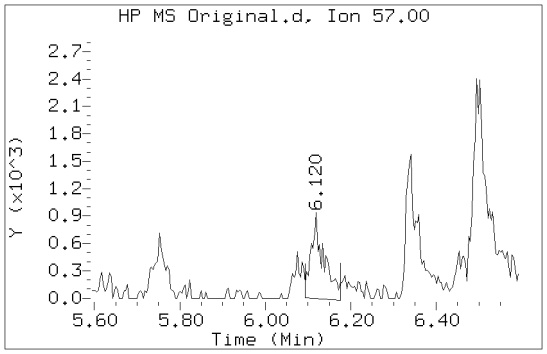


Epichlorohydrin (106-89-8)

Reason Code:

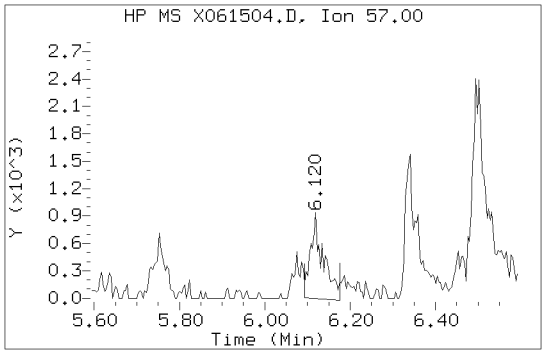
BEFORE

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943
20-Jun-2023
18:22
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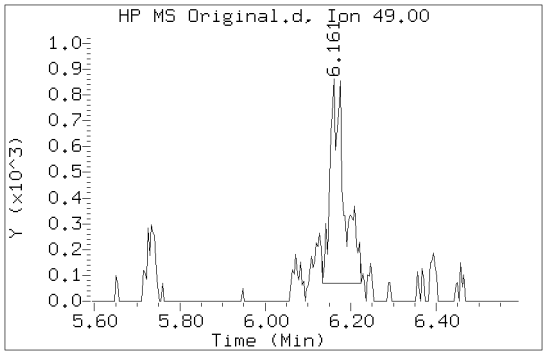
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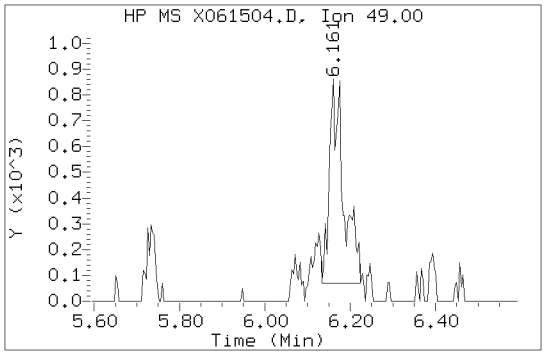
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AFTER

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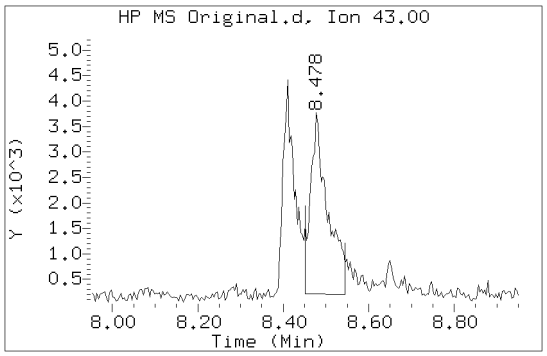


n-Amyl acetate (628-63-7)

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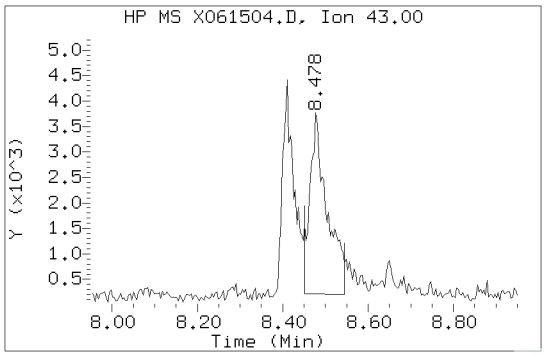
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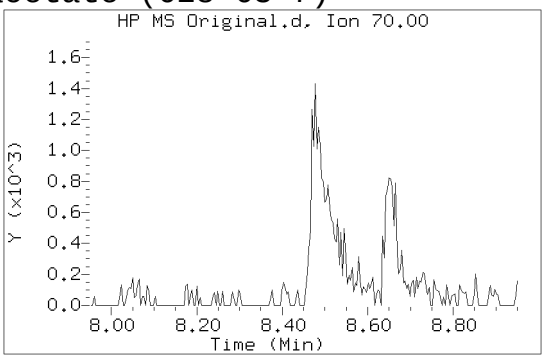


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LabSampID : VSTD001

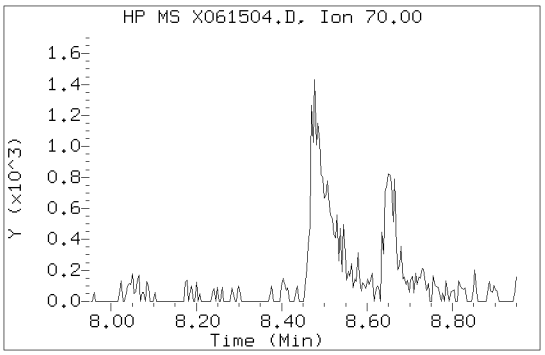
n-Amyl acetate (628-63-7)

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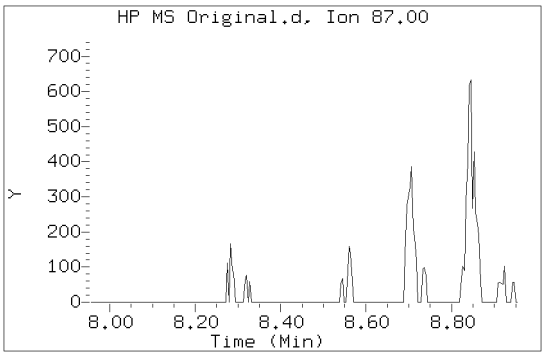
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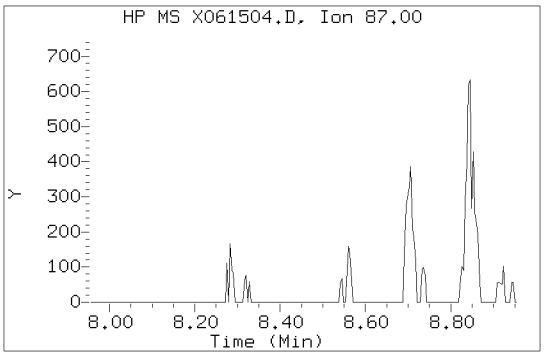
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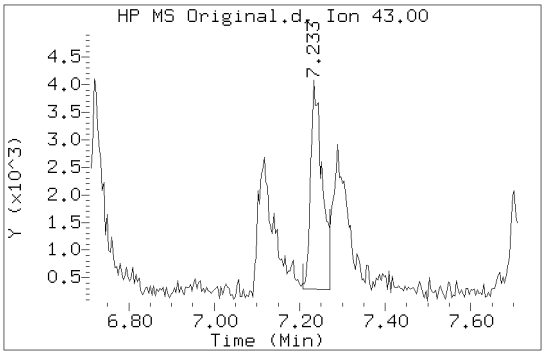
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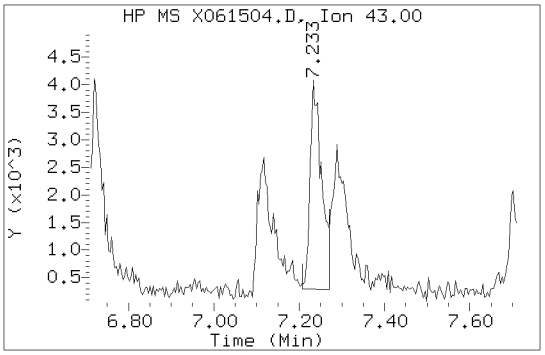
n-Butyl acetate (123-86-4)

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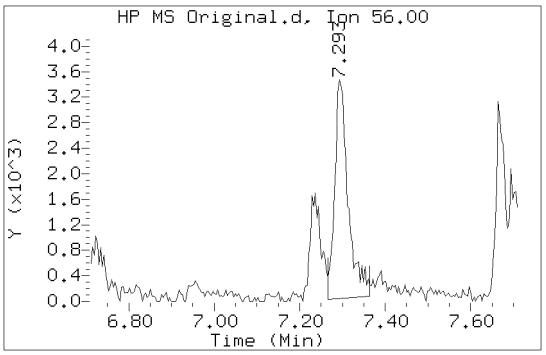
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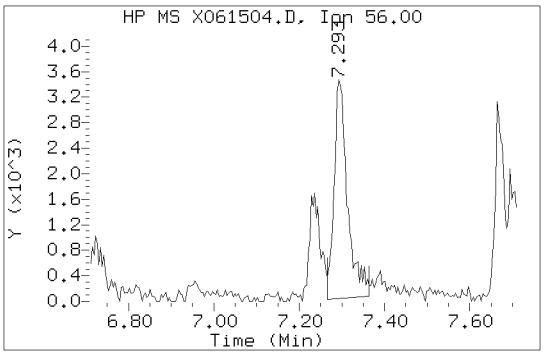
AFTER
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BEFORE
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3430
20-Jun-2023
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AFTER
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20-Jun-2023
18:22
linh
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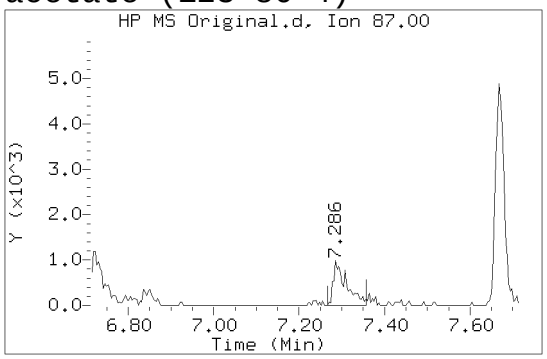
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InstruID : voa6.i
LabSampID : VSTD001

n-Butyl acetate (123-86-4)

Reason Code:

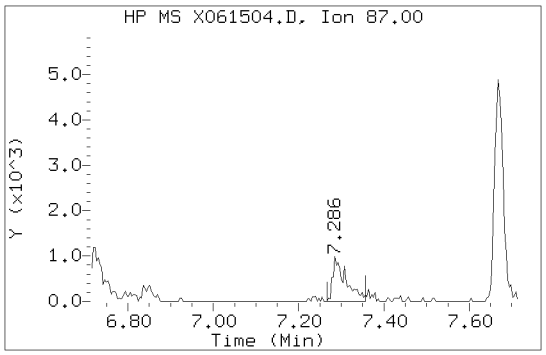
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AFTER

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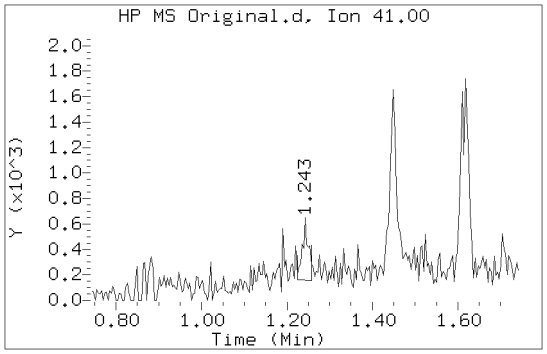


Isobutylene (115-11-7)

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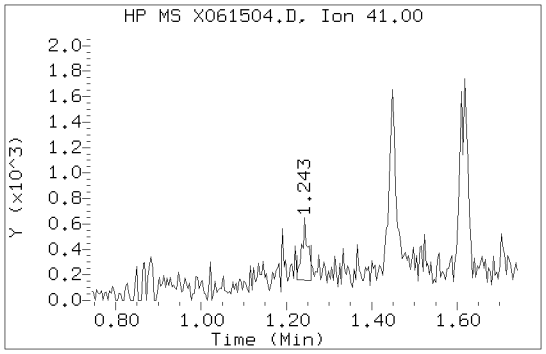
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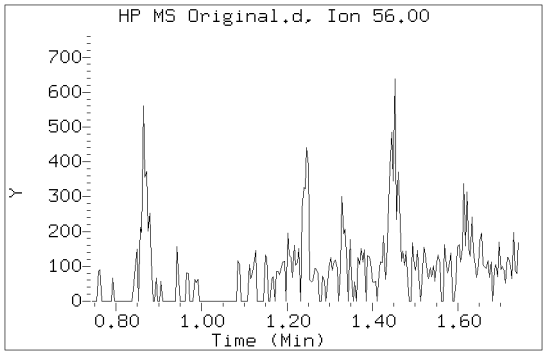
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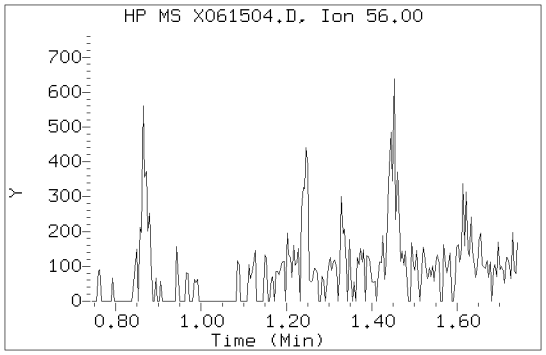
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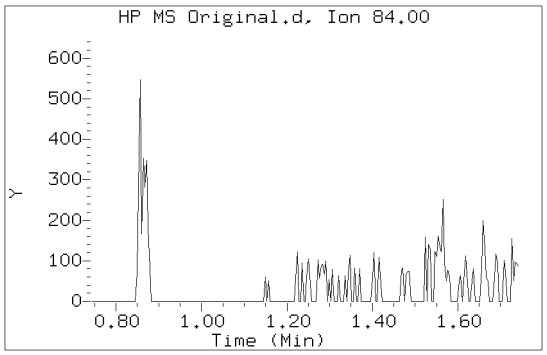
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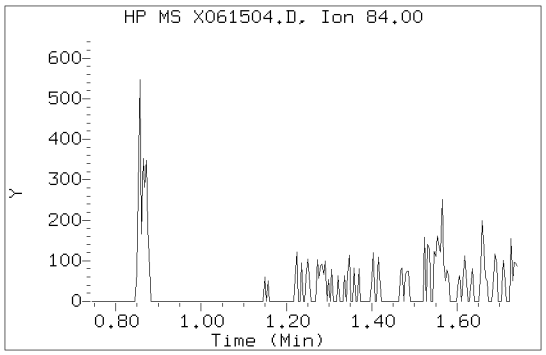
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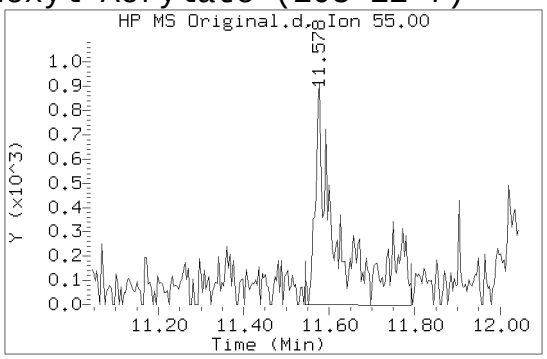
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Inj Date : 15-JUN-2023 12:18
InstruID : voa6.i
LabSampID : VSTD001

2-Ethylhexyl Acrylate (103-11-7)

Reason Code:

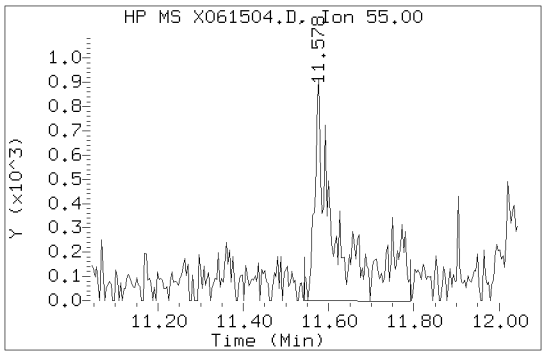
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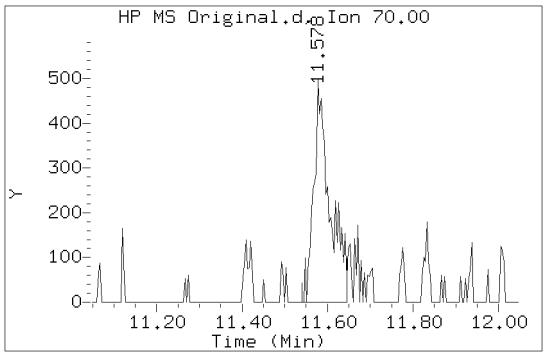
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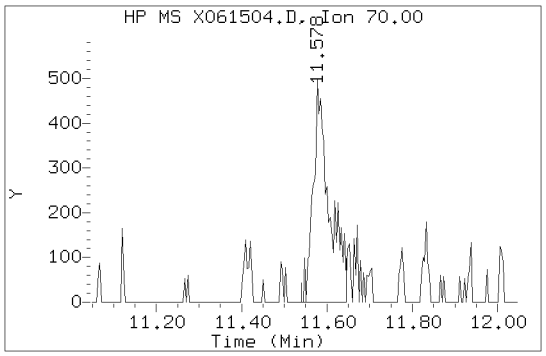
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20-Jun-2023
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AFTER

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20-Jun-2023
18:22
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Data File: \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061505.D Page 1
Report Date: 20-Jun-2023 18:25

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061505.D
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Inj Date : 15-JUN-2023 12:39
Operator : PC Inst ID: voa6.i
Smp Info : VSTD002;VSTD002;1;4;
Misc Info : V6;WATER;0;1;
Comment   :
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Meth Date : 20-Jun-2023 18:24 voa6.i Quant Type: ISTD
Cal Date : 15-JUN-2023 12:39 Cal File: X061505.D
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 00000_8260.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
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)
*	1 Pentafluorobenzene	168	4.178	4.181	(1.000)	491447	50.0000	
	2 Dichlorodifluoromethane	85	0.976	0.976	(0.234)	9827	2.00000	2.63
	3 Chloromethane	50	1.081	1.081	(0.259)	11295	2.00000	3.15(M)
	4 Propionitrile	54	3.675	3.653	(0.880)	10893	20.0000	18.32(a)
	5 Vinyl Chloride	62	1.145	1.149	(0.274)	11284	2.00000	2.18(M)
	6 Bromomethane	94	1.347	1.344	(0.323)	6397	2.00000	2.15
	7 Chloroethane	64	1.404	1.407	(0.336)	6480	2.00000	2.05(M)
	8 Trichlorofluoromethane	101	1.561	1.565	(0.374)	13596	2.00000	2.21(M)
	9 Acrolein	56	1.449	1.449	(0.347)	1177	4.00000	3.85(aM)
	10 Acetone	43	1.977	1.973	(0.473)	7818	4.00000	5.84
	11 1,1-Dichloroethene	96	1.917	1.917	(0.459)	8233	2.00000	2.13(M)
	12 Isobutyl Alcohol	43	4.680	4.676	(1.120)	25931	40.0000	40.46(a)
	13 Acetonitrile	39	2.210	2.202	(0.529)	9828	20.0000	20.61(a)
	14 Allyl Chloride	41	2.210	2.202	(0.529)	21197	2.00000	1.96(a)
	15 Iodomethane	142	2.030	2.030	(0.486)	14998	4.00000	4.64
	16 Acrylonitrile	53	2.577	2.536	(0.617)	6148	4.00000	3.94(M)
	17 Methylene Chloride	84	2.311	2.307	(0.553)	10372	2.00000	1.90(M)
	18 Methyl tert-butyl ether	73	2.539	2.536	(0.608)	28898	2.00000	2.15
	19 Carbon Disulfide	76	2.071	2.071	(0.496)	57380	4.00000	4.18
	20 trans-1,2-Dichloroethene	96	2.539	2.532	(0.608)	9744	2.00000	2.11
	21 Vinyl Acetate	43	3.019	2.997	(0.723)	44460	4.00000	3.61(M)

22 1,1-Dichloroethane	63	2.922	2.922 (0.699)	17688	2.00000	2.13
23 Chloroprene	53	1.775	1.775 (0.425)	3814	2.00000	2.33(aM)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
24	2-Butanone	43	3.660	3.578	(0.876)	6420	4.00000	3.96(M)
25	Methacrylonitrile	41	3.859	3.821	(0.924)	6777	2.00000	1.67(aH)
26	2,2-Dichloropropane	77	3.510	3.514	(0.840)	15188	2.00000	2.31
27	cis-1,2-Dichloroethene	96	3.529	3.525	(0.845)	10709	2.00000	2.01
28	Chloroform	83	3.912	3.904	(0.936)	19699	2.00000	2.20
29	Bromochloromethane	128	3.799	3.795	(0.909)	6232	2.00000	2.20
$ 30	Dibromofluoromethane	113	4.110	4.099	(0.984)	9855	2.00000	1.91
31	1,1,1-Trichloroethane	97	4.084	4.084	(0.978)	15758	2.00000	2.18
32	1,1-Dichloropropene	75	4.283	4.279	(0.863)	13845	2.00000	2.18
33	1,2-Dichloroethane	62	4.568	4.556	(0.920)	11862	2.00000	1.86
34	Carbon Tetrachloride	117	4.268	4.264	(0.860)	13225	2.00000	2.16(M)
$ 35	1,2-Dichloroethane-d4	65	4.485	4.470	(1.074)	11054	2.00000	1.51
* 36	1,4-Difluorobenzene	114	4.965	4.965	(1.000)	756725	50.0000	
37	Benzene	78	4.519	4.511	(0.910)	40051	2.00000	2.05
38	Trichloroethene	130	5.209	5.205	(1.049)	11520	2.00000	2.14(a)
39	Bromodichloromethane	83	5.726	5.722	(1.153)	13844	2.00000	2.01(a)
40	Methyl Methacrylate	41	5.625	5.606	(1.346)	6671	2.00000	1.75(a)
41	2-Chloroethylvinyl ether	63	6.067	6.048	(1.222)	7359	4.00000	3.94(a)
42	1,2-Dichloropropane	63	5.433	5.437	(1.094)	10261	2.00000	2.00(aM)
43	2-Nitropropane	43	5.973	5.966	(1.430)	2410	2.00000	1.81(aH)
44	Dibromomethane	93	5.561	5.550	(1.120)	6792	2.00000	2.11(a)
45	4-Methyl-2-Pentanone	43	6.333	6.322	(0.826)	18797	4.00000	4.09(a)
46	cis-1,3-Dichloropropene	75	6.164	6.153	(1.242)	16469	2.00000	1.93(a)
* 47	Chlorobenzene-d5	117	7.668	7.668	(1.000)	710505	50.0000	
$ 48	Toluene-d8	98	6.393	6.386	(0.834)	37063	2.00000	2.06(a)
49	Ethyl Methacrylate	69	6.719	6.708	(1.353)	11631	2.00000	2.14(aM)
50	Toluene	91	6.453	6.445	(0.842)	44414	2.00000	2.12(a)
51	trans-1,3-Dichloropropene	75	6.689	6.678	(1.347)	13530	2.00000	1.90(a)
52	2-Hexanone	43	7.105	7.083	(0.927)	12601	4.00000	4.11(a)
53	1,1,2-Trichloroethane	83	6.843	6.835	(0.892)	8751	2.00000	2.15(a)
54	1,3-Dichloropropane	76	6.985	6.978	(0.911)	16399	2.00000	1.99(a)
55	Dibromochloromethane	129	7.180	7.173	(0.936)	11673	2.00000	2.02(a)
56	Tetrachloroethene	164	6.929	6.925	(0.904)	9492	2.00000	2.21(a)
57	1,2-Dibromoethane	107	7.263	7.259	(0.947)	10319	2.00000	1.98(a)
58	1-Chlorohexane	55	7.701	7.694	(1.551)	10171	2.00000	2.21(a)
59	Chlorobenzene	112	7.698	7.690	(1.004)	29078	2.00000	2.03(a)
60	1,1,1,2-Tetrachloroethane	131	7.776	7.773	(1.014)	10908	2.00000	2.04(a)
61	Ethylbenzene	106	7.806	7.799	(1.018)	15525	2.00000	2.11(a)
62	m,p-Xylenes	106	7.908	7.900	(1.031)	37098	4.00000	4.09(a)
63	o-Xylene	106	8.245	8.237	(1.075)	19383	2.00000	2.14(a)
64	Styrene	104	8.271	8.256	(1.079)	29379	2.00000	1.97(a)
66	Bromoform	173	8.414	8.410	(1.097)	7721	2.00000	1.92(Ta)
67	Isopropylbenzene	105	8.564	8.560	(1.117)	47118	2.00000	2.10(a)
68	1,1,2,2-Tetrachloroethane	83	8.841	8.837	(0.915)	14437	2.00000	2.11(a)
$ 69	4-Bromofluorobenzene	95	8.695	8.687	(1.134)	16470	2.00000	1.86(a)
* 70	1,4-Dichlorobenzene-d4	152	9.662	9.658	(1.000)	388397	50.0000	
71	1,2,3-Trichloropropane	75	8.867	8.863	(0.918)	10499	2.00000	2.14(a)
72	trans-1,4-Dichloro-2-butene	53	8.905	8.886	(1.161)	3093	2.00000	1.78(aM)
73	n-Propylbenzene	91	8.916	8.908	(0.923)	55786	2.00000	2.18(a)
74	Bromobenzene	156	8.815	8.803	(0.912)	13387	2.00000	2.11(aM)
75	1,3,5-Trimethylbenzene	105	9.070	9.066	(0.939)	39913	2.00000	2.12(a)
76	2-Chlorotoluene	91	8.976	8.972	(0.929)	35737	2.00000	2.20(a)

77	4-Chlorotoluene	91	9.081	9.070 (0.940)	39085	2.00000	2.15(a)
78	tert-Butylbenzene	119	9.336	9.336 (0.966)	34187	2.00000	2.18(a)

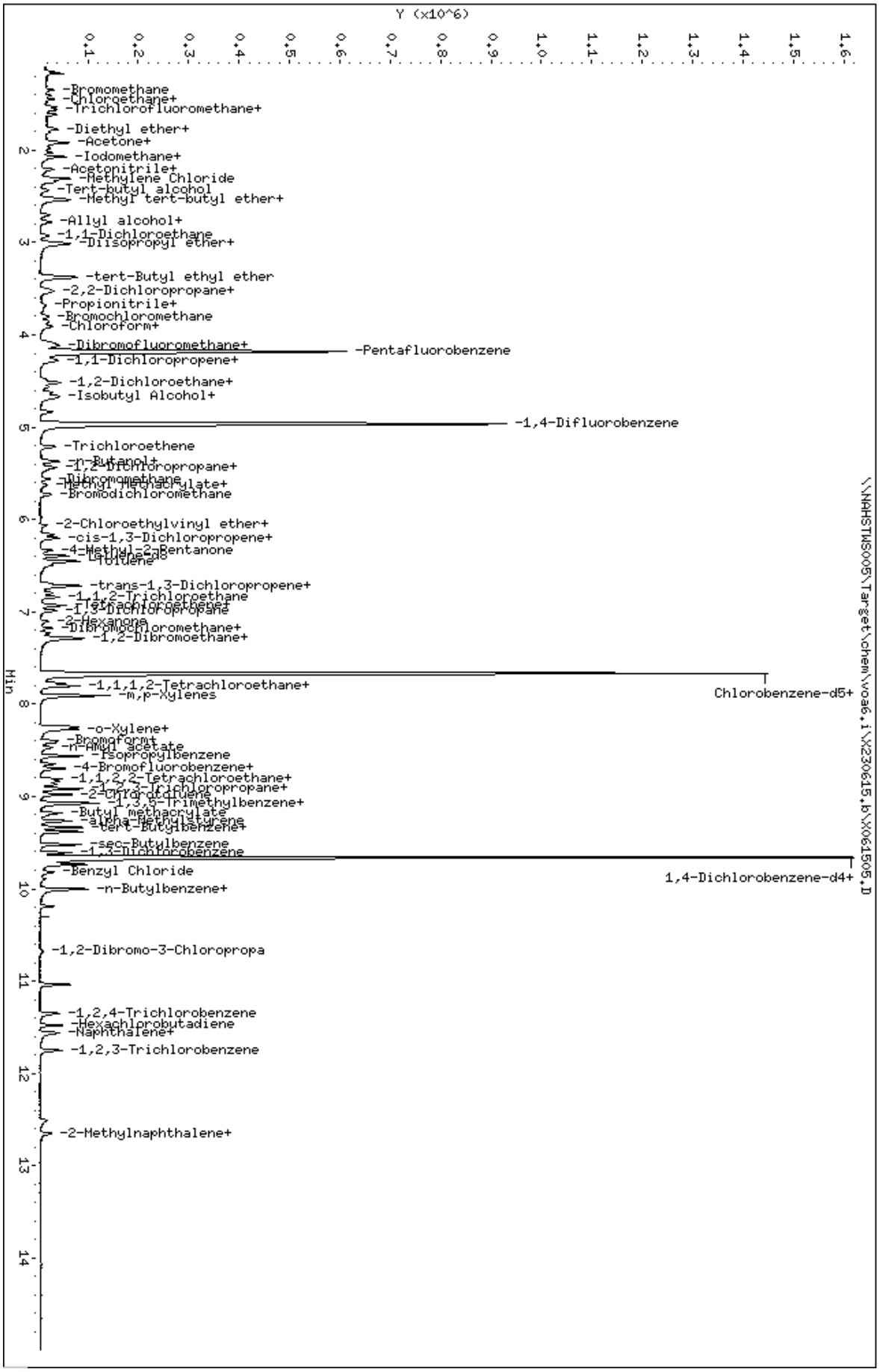
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
79	1,2,4-Trimethylbenzene	105	9.381	9.377	(0.971)	39036	2.00000	2.06(a)
81	sec-Butylbenzene	105	9.519	9.519	(0.985)	46617	2.00000	2.11(a)
82	p-Isopropyltoluene	119	9.651	9.647	(0.999)	40965	2.00000	2.12(a)
83	1,3-Dichlorobenzene	146	9.609	9.602	(0.995)	22900	2.00000	2.03(a)
84	1,4-Dichlorobenzene	146	9.684	9.681	(1.002)	26087	2.00000	2.16(a)
86	Benzyl Chloride	91	9.816	9.808	(1.280)	20389	2.00000	1.73(aM)
87	n-Butylbenzene	91	10.003	9.992	(1.035)	33064	2.00000	2.01(a)
88	1,2-Dichlorobenzene	146	10.003	9.992	(1.035)	23526	2.00000	2.10(a)
89	1,2-Dibromo-3-Chloropropane	155	10.674	10.655	(1.105)	2351	2.00000	2.36(a)
90	1,2,4-Trichlorobenzene	180	11.353	11.334	(1.175)	14424	2.00000	1.85(a)
91	Hexachlorobutadiene	225	11.476	11.476	(1.188)	7390	2.00000	2.11(a)
92	Naphthalene	128	11.562	11.540	(1.197)	32050	2.00000	1.82(a)
93	1,2,3-Trichlorobenzene	180	11.750	11.739	(1.216)	14223	2.00000	1.98(a)
146	Methyl acetate	43	2.247	2.232	(0.538)	5157	2.00000	1.77(aM)
138	Freon TF	101	1.921	1.917	(0.460)	8361	2.00000	2.50(aM)
141	Cyclohexane	56	4.125	4.121	(0.987)	13787	2.00000	2.20(aMH)
142	Tetrahydrofuran	42	3.863	3.844	(0.925)	2899	4.00000	4.04(a)
147	Methylcyclohexane	55	5.370	5.381	(1.082)	20990	2.00000	1.98(aM)
135	1,4-Dioxane	88	5.613	5.598	(1.344)	2444	40.0000	41.03(M)
132	n-Butanol	56	5.355	5.253	(1.282)	3179	40.0000	88.25(aM)
131	Methyl Acrylate	55	3.735	3.690	(0.894)	8064	2.00000	2.02(aM)
133	Ethyl Acrylate	55	5.407	5.381	(1.294)	14275	2.00000	3.59(M)
136	n-Hexane	57	2.776	2.776	(0.664)	10696	2.00000	2.27(aM)
139	Diethyl ether	59	1.764	1.760	(0.422)	6390	2.00000	2.07(a)
148	Tert-butyl alcohol	59	2.438	2.431	(0.584)	20278	40.0000	40.18
149	Isopropyl alcohol	45	2.105	2.093	(0.504)	11338	40.0000	40.70(T)
156	Diisopropyl ether	45	3.001	3.000	(0.718)	28799	2.00000	1.98(Ta)
160	2-Methylnaphthalene	142	12.646	12.634	(1.309)	12286	2.00000	1.60
166	1,2,3-Trimethylbenzene	105	9.733	9.729	(1.007)	38504	2.00000	2.08(a)
167	Ethanol	45	1.700	1.707	(0.407)	2336	40.0000	49.73(TM)
172	tert-Butyl formate	59	4.627	4.612	(1.108)	16716	4.00000	4.13(aM)
173	3,3-Dimethyl-1-butanol	57	7.293	7.285	(0.951)	26671	40.0000	45.89
174	tert-Amyl methyl ether	73	4.669	4.665	(1.118)	32910	2.00000	2.08(aM)
175	tert-Butyl ethyl ether	59	3.375	3.379	(0.808)	30807	2.00000	2.05(a)
176	tert-Amyl alcohol	59	4.627	4.612	(1.108)	16715	40.0000	40.49
151	4-Methyl-2-pentanol	45	6.715	6.708	(1.353)	56864	40.0000	47.25(M)
180	1-Methylnaphthalene	142	12.646	12.634	(1.309)	12286	2.00000	(a)
140	1,3-Butadiene	54	1.167	1.167	(0.280)	8478	2.00000	2.08(aM)
152	Amyl alcohol	42	6.944	6.899	(0.906)	5090	40.0000	38.44(M)
158	Dichlorofluoromethane	67	1.535	1.535	(0.367)	15880	2.00000	2.24(M)
159	Propylene oxide	43	1.809	1.805	(0.433)	2196	4.00000	5.04
161	3-Methyl-1-butanol	55	6.937	6.899	(0.905)	3850	40.0000	62.56(M)
162	Butyl acrylate	55	8.267	8.249	(1.078)	19207	2.00000	2.35(a)
163	Butyl methacrylate	41	9.178	9.167	(0.950)	13349	2.00000	2.04(a)
164	Dicyclopentadiene	66	9.681	9.681	(1.002)	45923	2.00000	2.11(aM)
182	Epichlorohydrin	57	6.112	6.093	(1.231)	3820	8.00000	8.43(M)
M 94	1,2-Dichloroethylene (total)	96				20453	4.00000	(a)
130	Ethyl Acetate	43	3.672	3.657	(0.879)	10775	2.00000	2.15(Ta)
134	Cyclohexanone	55	8.650	8.642	(0.895)	11759	40.0000	41.26(a)
185	Isoprene	39	1.779	1.775	(0.426)	3339	2.00000	2.49(a)
188	Isopropyl acetate	43	4.680	4.676	(0.943)	24959	2.00000	1.90(a)
187	n-Amyl acetate	43	8.470	8.451	(1.105)	18078	2.00000	1.90(aM)

189 n-Butyl acetate	43	7.229	7.210 (0.943)	14580	2.00000	1.91(aM)
150 Allyl alcohol	57	2.776	2.772 (0.664)	11222	40.0000	46.69

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
194 Acetaldehyde	44	1.209	1.216	(0.289)	4310	8.00000	13.50(M)
195 Methyl Amyl Ketone	43	8.395	8.380	(1.095)	20788	2.00000	1.98(a)
200 Dimethyl Disulfide	94	6.198	6.194	(0.808)	20124	2.00000	1.90(a)
202 Isobutylene	41	1.246	1.242	(0.298)	964	2.00000	2.05(aM)
205 2-Ethylhexyl Acrylate	55	11.566	11.544	(1.197)	8837	2.00000	2.46(aM)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.



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Sample Info: VSTD002;VSTD002;1;4;
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Column phase: DB624

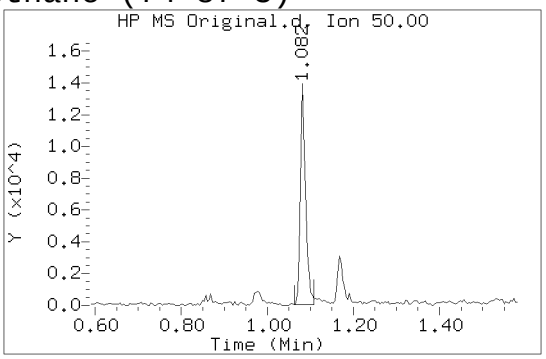
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Operator: PC
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Chloromethane (74-87-3)

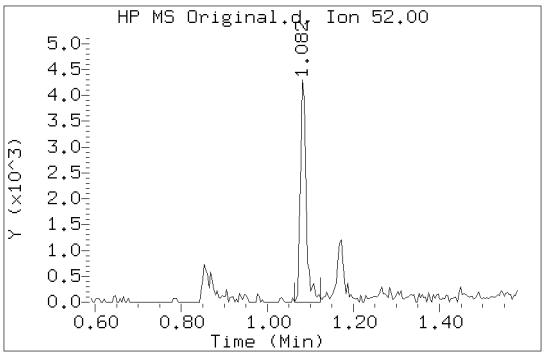
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BEFORE

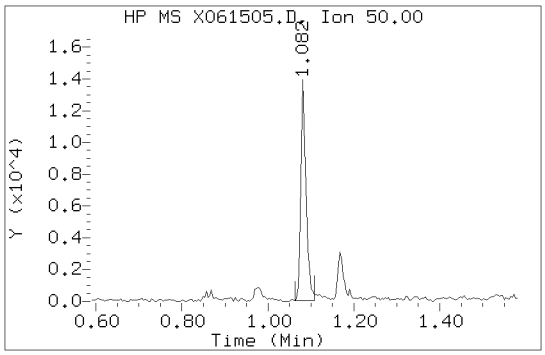
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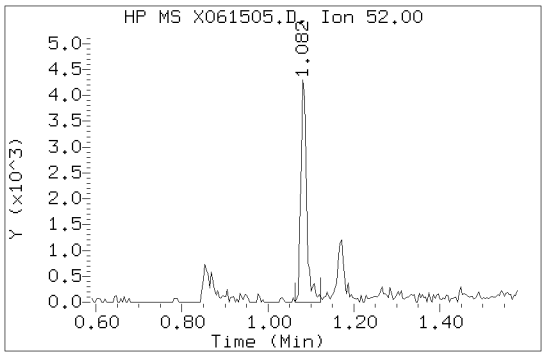
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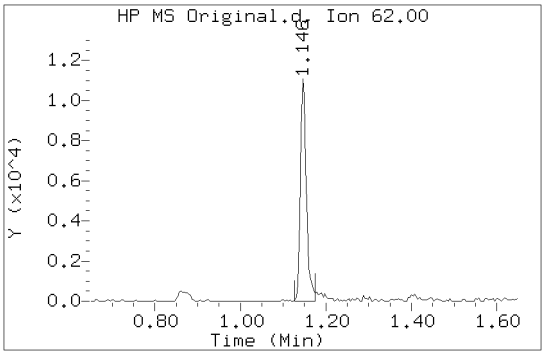
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Vinyl Chloride (75-01-4)

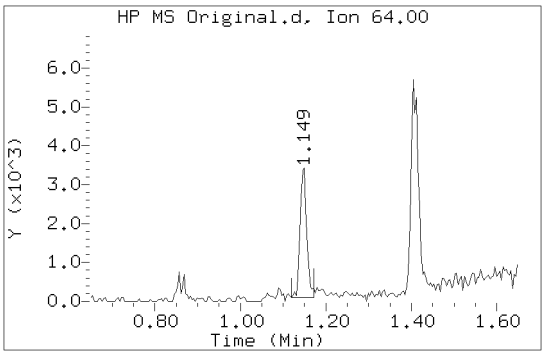
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BEFORE

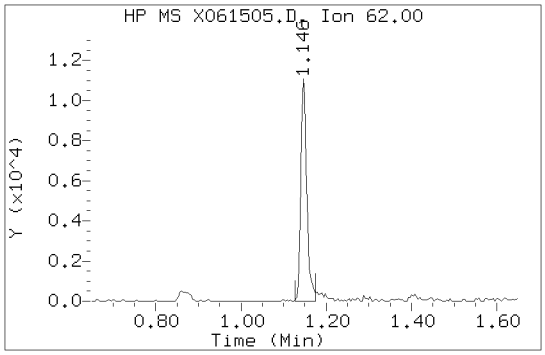
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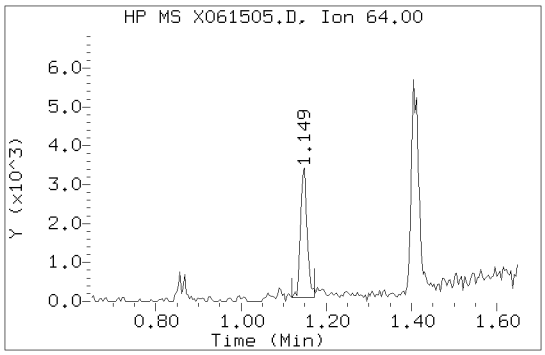
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AFTER

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20-Jun-2023
18:22
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pham



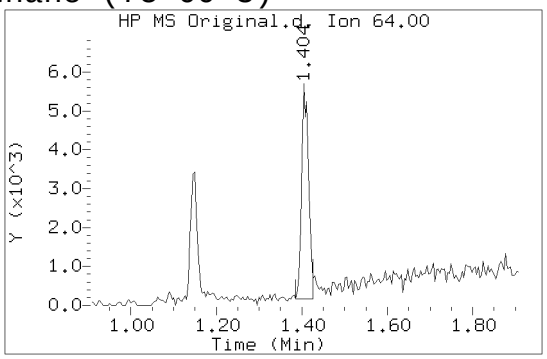
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InstruID : voa6.i
LabSampID : VSTD002

Chloroethane (75-00-3)

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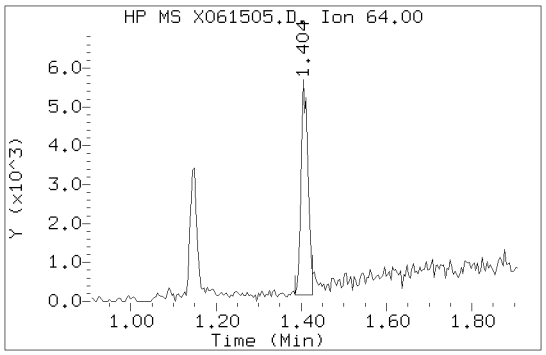
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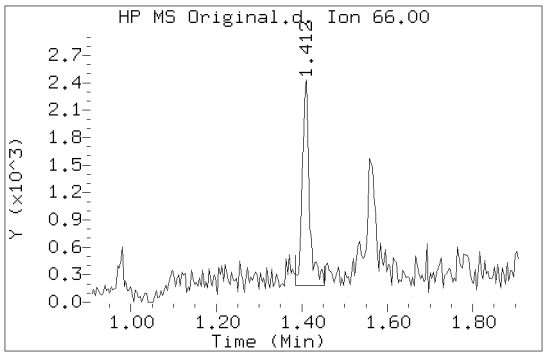
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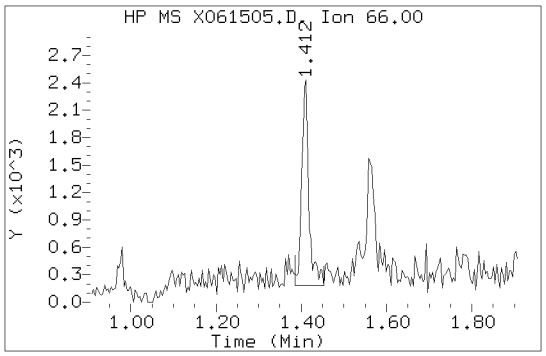
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AFTER

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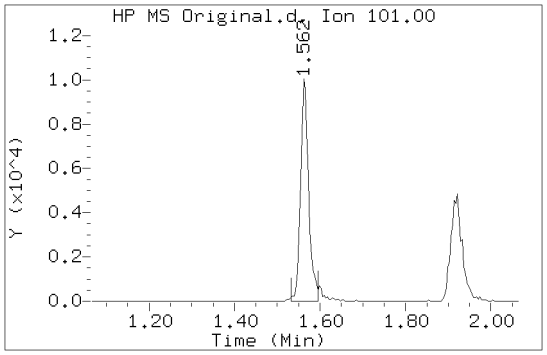


Trichlorofluoromethane (75-69-4)

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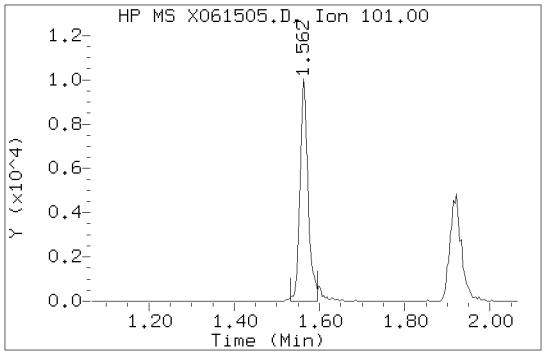
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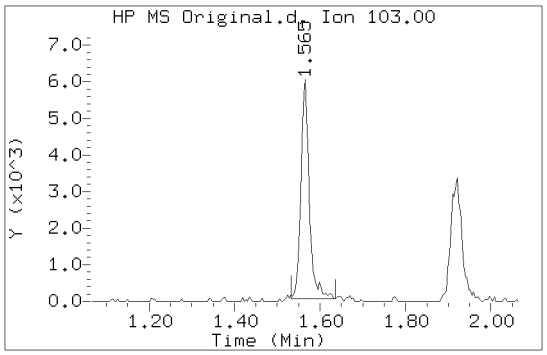
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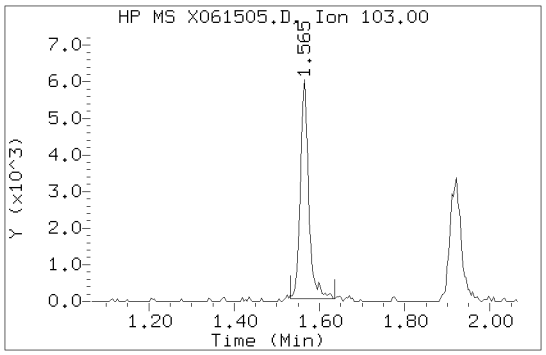
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20-Jun-2023
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AFTER

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20-Jun-2023
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linh
pham



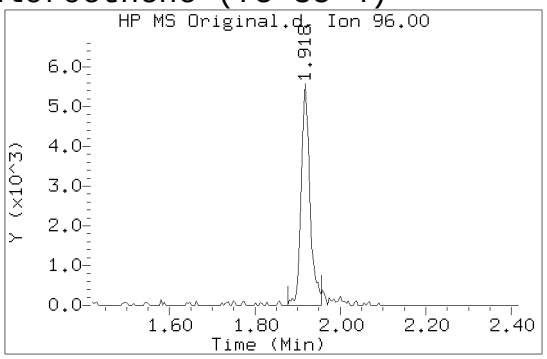
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InstruID : voa6.i
LabSampID : VSTD002

1,1-Dichloroethene (75-35-4)

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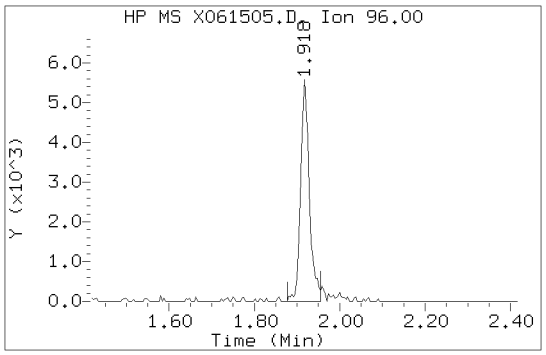
BEFORE

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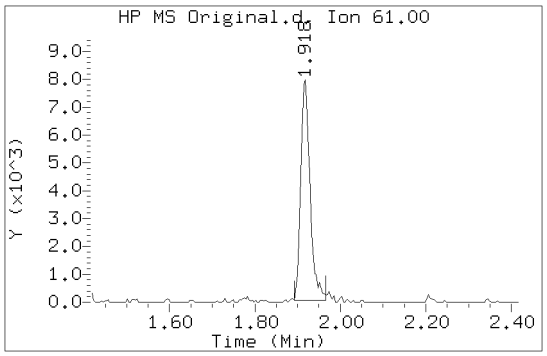
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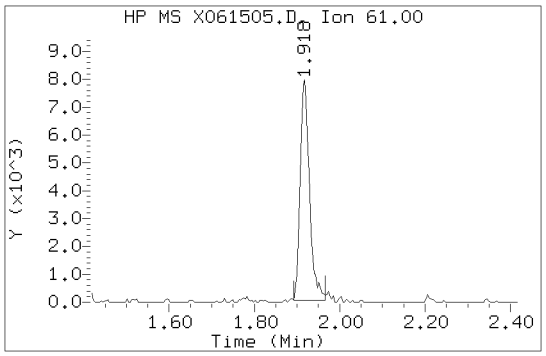
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20-Jun-2023
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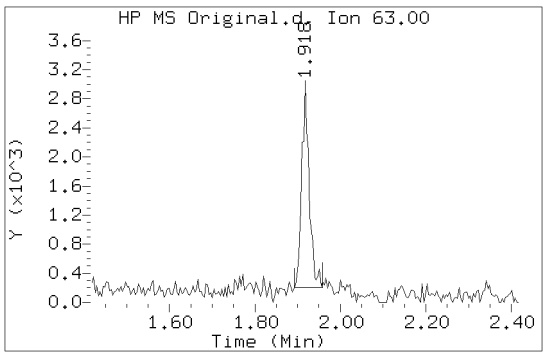
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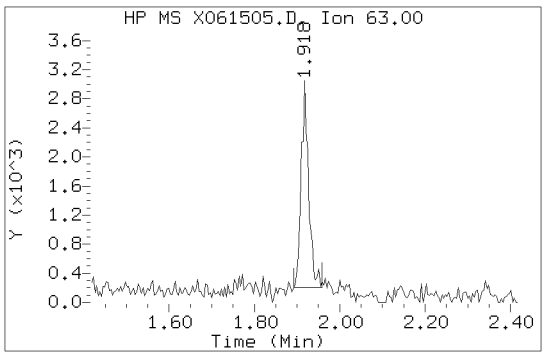
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AFTER

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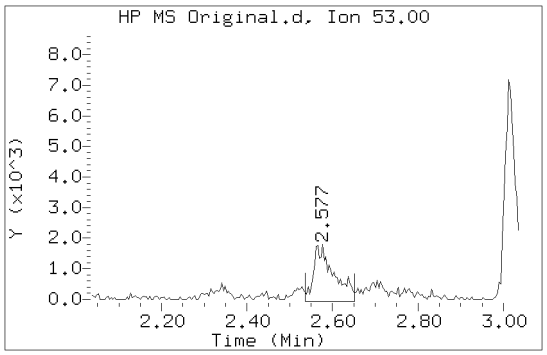


Acrylonitrile (107-13-1)

Reason Code:

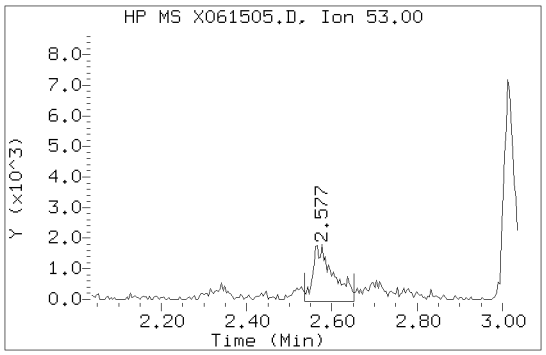
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20-Jun-2023
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AFTER

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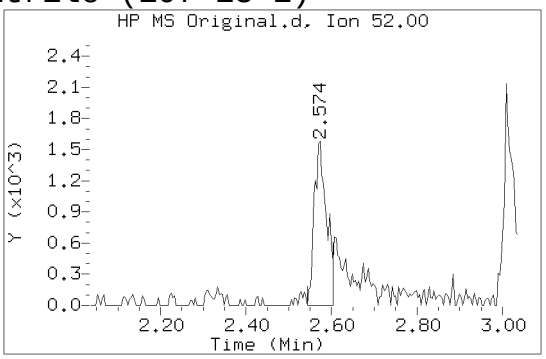


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LabSampID : VSTD002

Acrylonitrile (107-13-1)

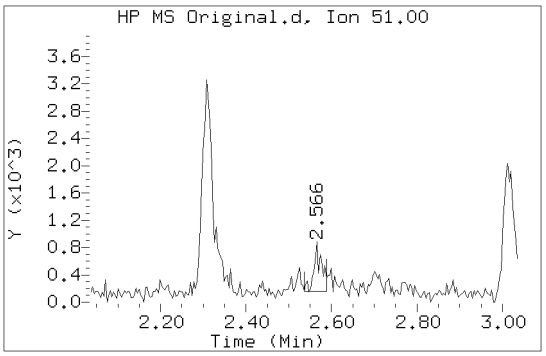
BEFORE

MASS
52
AREA
3159
HEIGHT
1580
20-Jun-2023
18:22
linh
pham



BEFORE

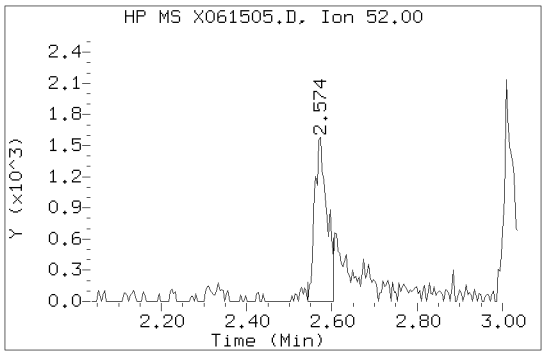
MASS
51
AREA
891
HEIGHT
729
20-Jun-2023
18:22
linh
pham



Reason Code:

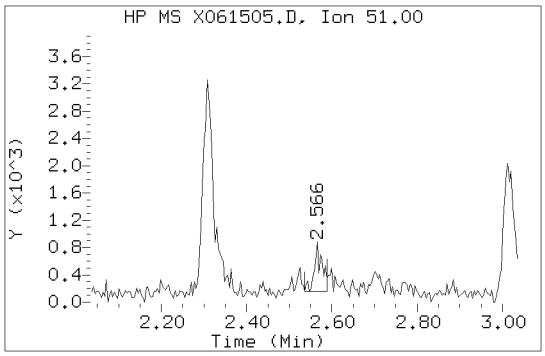
AFTER

MASS
52
AREA
3159
HEIGHT
1580
20-Jun-2023
18:22
linh
pham



AFTER

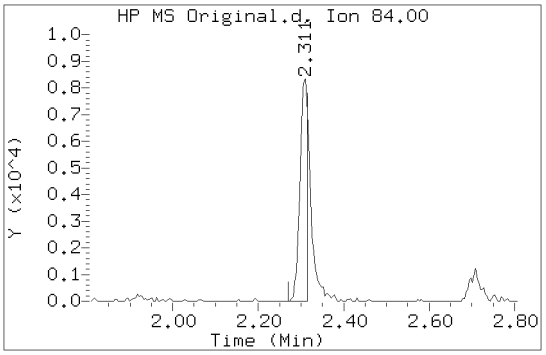
MASS
51
AREA
891
HEIGHT
729
20-Jun-2023
18:22
linh
pham



Methylene Chloride (75-09-2)

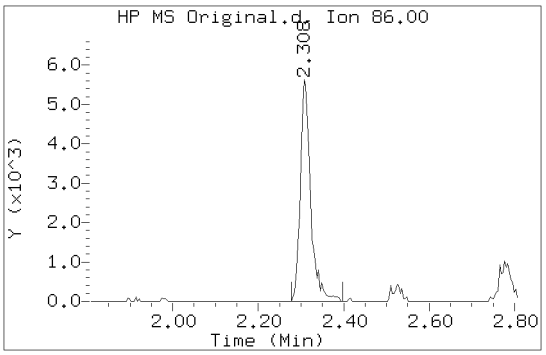
BEFORE

MASS
84
AREA
10372
HEIGHT
8340
20-Jun-2023
18:22
linh
pham



BEFORE

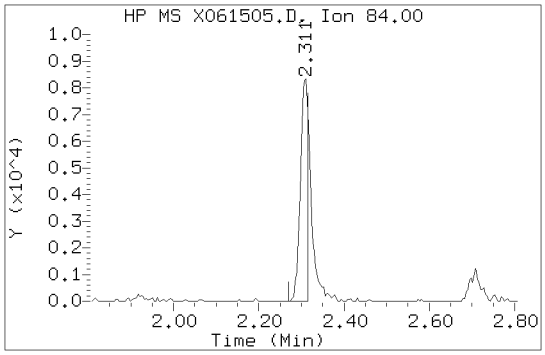
MASS
86
AREA
9744
HEIGHT
5630
20-Jun-2023
18:22
linh
pham



Reason Code:

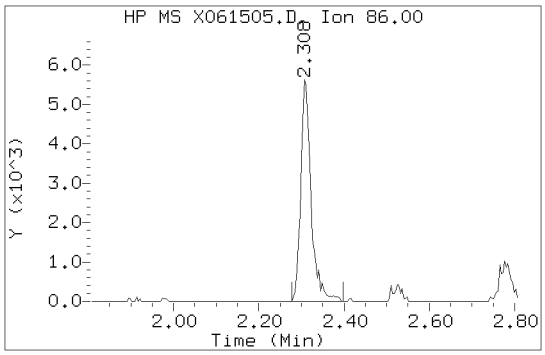
AFTER

MASS
84
AREA
10372
HEIGHT
8340
20-Jun-2023
18:22
linh
pham



AFTER

MASS
86
AREA
9744
HEIGHT
5630
20-Jun-2023
18:22
linh
pham



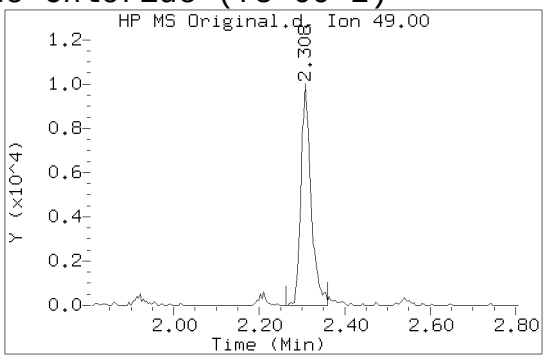
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Inj Date : 15-JUN-2023 12:39
InstruID : voa6.i
LabSampID : VSTD002

Methylene Chloride (75-09-2)

Reason Code:

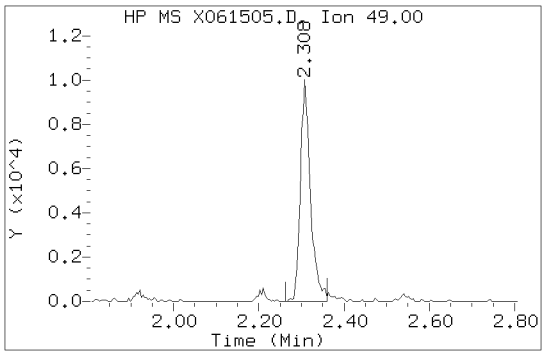
BEFORE

MASS
49
AREA
16901
HEIGHT
10016
20-Jun-2023
18:22
linh
pham



AFTER

MASS
49
AREA
16901
HEIGHT
10016
20-Jun-2023
18:22
linh
pham

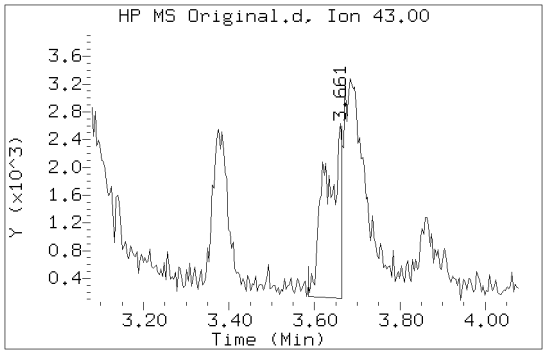


2-Butanone (78-93-3)

Reason Code:

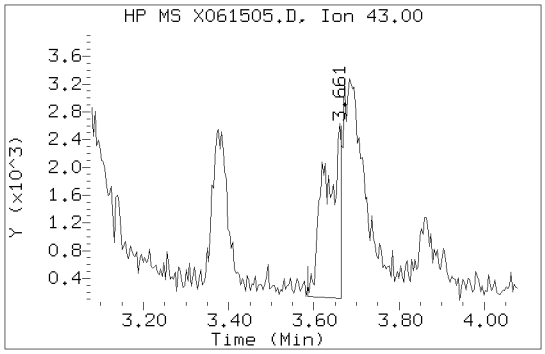
BEFORE

MASS
43
AREA
6420
HEIGHT
2515
20-Jun-2023
18:22
linh
pham



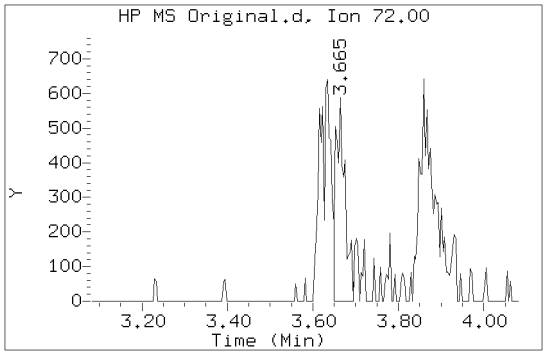
AFTER

MASS
43
AREA
6420
HEIGHT
2515
20-Jun-2023
18:22
linh
pham



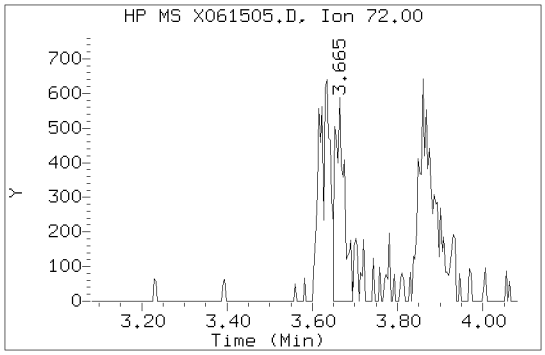
BEFORE

MASS
72
AREA
878
HEIGHT
589
20-Jun-2023
18:22
linh
pham



AFTER

MASS
72
AREA
878
HEIGHT
589
20-Jun-2023
18:22
linh
pham

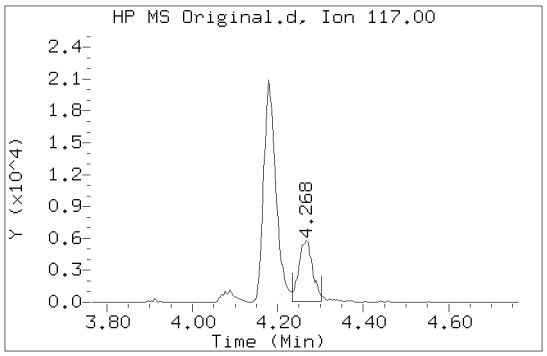


Carbon Tetrachloride (56-23-5)

Reason Code:

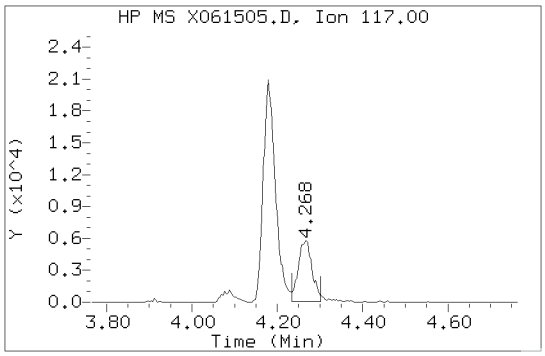
BEFORE

MASS
117
AREA
13225
HEIGHT
5768
20-Jun-2023
18:22
linh
pham



AFTER

MASS
117
AREA
13225
HEIGHT
5768
20-Jun-2023
18:22
linh
pham



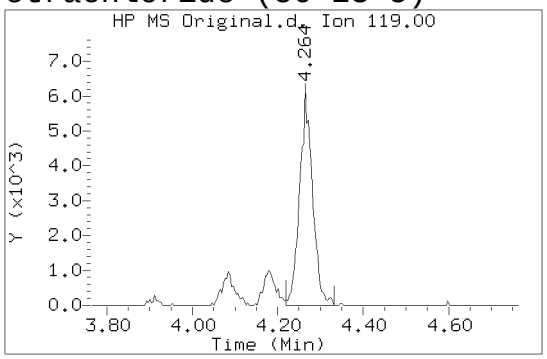
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Inj Date : 15-JUN-2023 12:39
InstruID : voa6.i
LabSampID : VSTD002

Carbon Tetrachloride (56-23-5)

Reason Code:

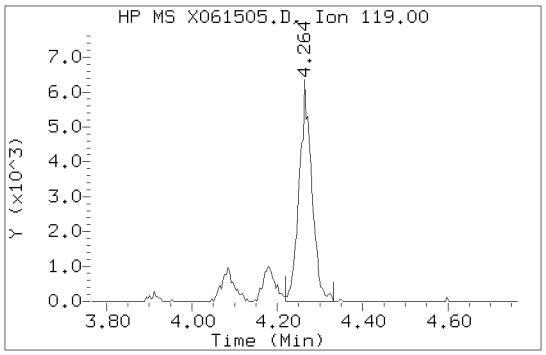
BEFORE

MASS
119
AREA
13241
HEIGHT
6356
20-Jun-2023
18:22
linh
pham



AFTER

MASS
119
AREA
13241
HEIGHT
6356
20-Jun-2023
18:22
linh
pham

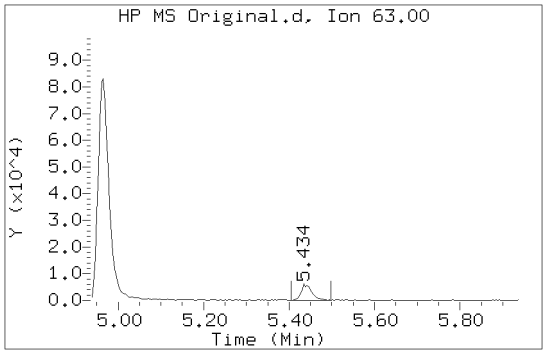


1,2-Dichloropropane (78-87-5)

Reason Code:

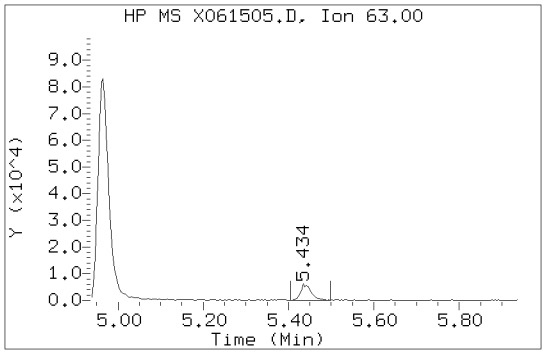
BEFORE

MASS
63
AREA
10261
HEIGHT
6073
20-Jun-2023
18:22
linh
pham



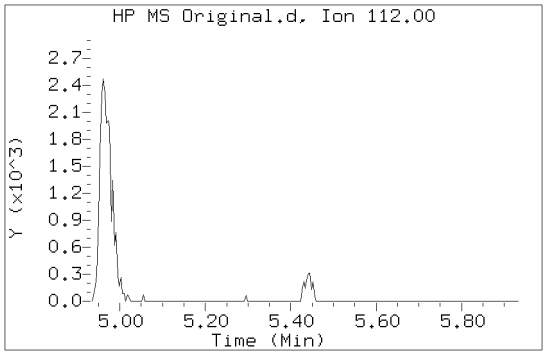
AFTER

MASS
63
AREA
10261
HEIGHT
6073
20-Jun-2023
18:22
linh
pham



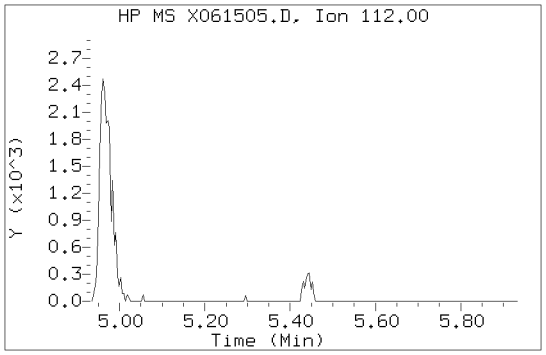
BEFORE

MASS
112
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



AFTER

MASS
112
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham

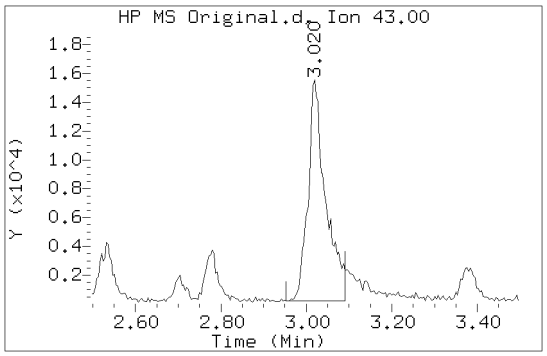


Vinyl Acetate (108-05-4)

Reason Code:

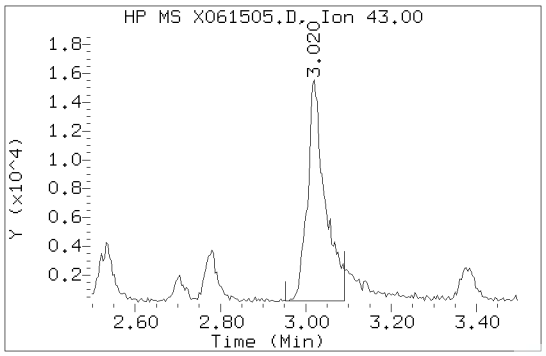
BEFORE

MASS
43
AREA
44460
HEIGHT
15343
20-Jun-2023
18:22
linh
pham



AFTER

MASS
43
AREA
44460
HEIGHT
15343
20-Jun-2023
18:22
linh
pham

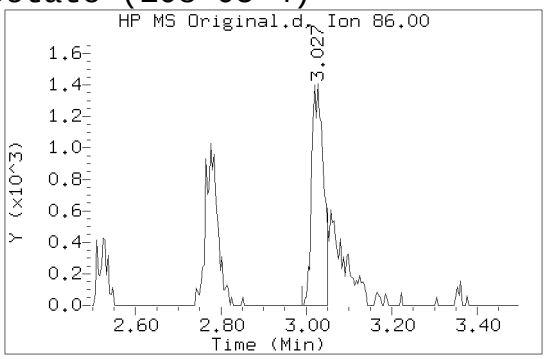


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Inj Date : 15-JUN-2023 12:39
InstruID : voa6.i
LabSampID : VSTD002

Vinyl Acetate (108-05-4)

BEFORE

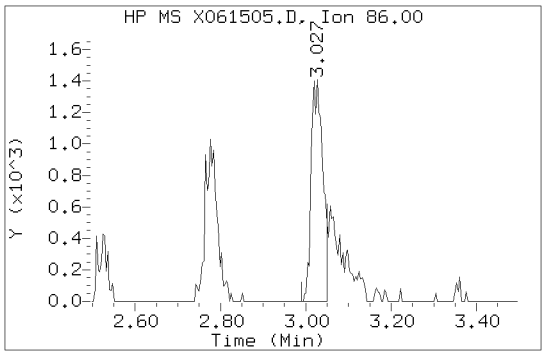
MASS
86
AREA
2664
HEIGHT
1408
20-Jun-2023
18:22
linh
pham



Reason Code:

AFTER

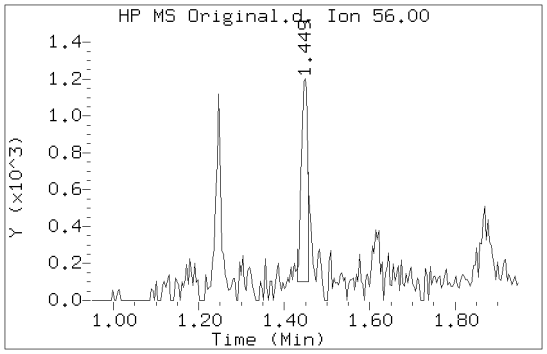
MASS
86
AREA
2664
HEIGHT
1408
20-Jun-2023
18:22
linh
pham



Acrolein (107-02-8)

BEFORE

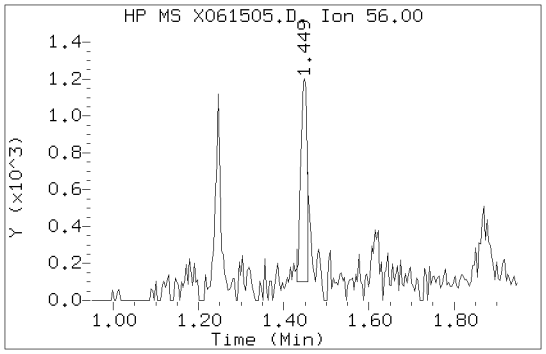
MASS
56
AREA
1177
HEIGHT
1102
20-Jun-2023
18:22
linh
pham



Reason Code:

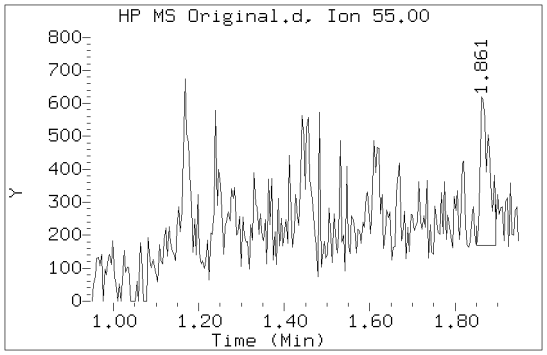
AFTER

MASS
56
AREA
1177
HEIGHT
1102
20-Jun-2023
18:22
linh
pham



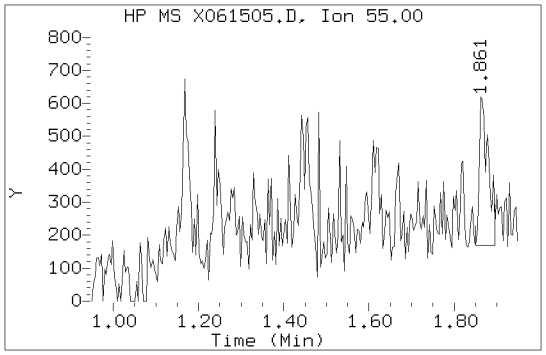
BEFORE

MASS
55
AREA
650
HEIGHT
449
20-Jun-2023
18:22
linh
pham



AFTER

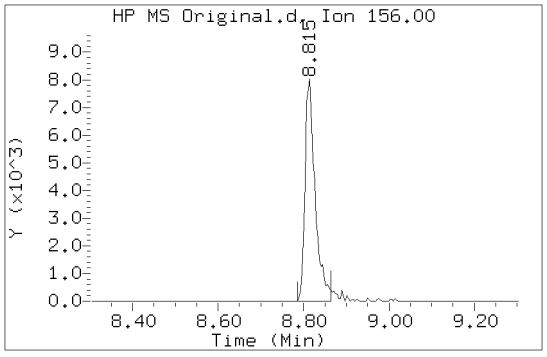
MASS
55
AREA
650
HEIGHT
449
20-Jun-2023
18:22
linh
pham



Bromobenzene (108-86-1)

BEFORE

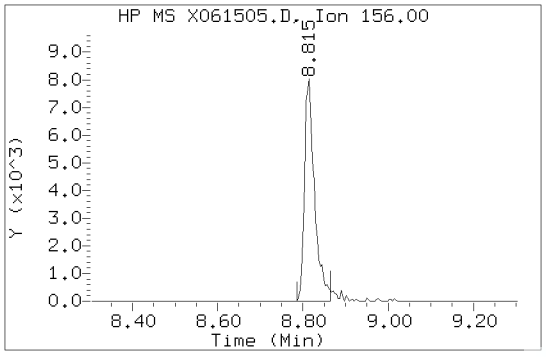
MASS
156
AREA
13387
HEIGHT
8032
20-Jun-2023
18:22
linh
pham



Reason Code:

AFTER

MASS
156
AREA
13387
HEIGHT
8032
20-Jun-2023
18:22
linh
pham

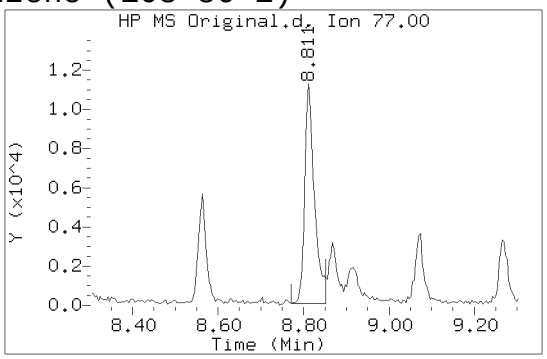


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Inj Date : 15-JUN-2023 12:39
InstruID : voa6.i
LabSampID : VSTD002

Bromobenzene (108-86-1)

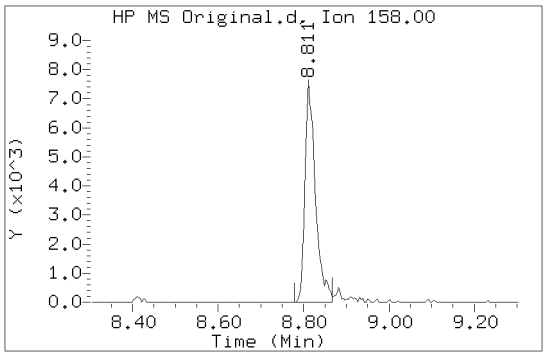
BEFORE

MASS
77
AREA
18077
HEIGHT
11211
20-Jun-2023
18:22
linh
pham



BEFORE

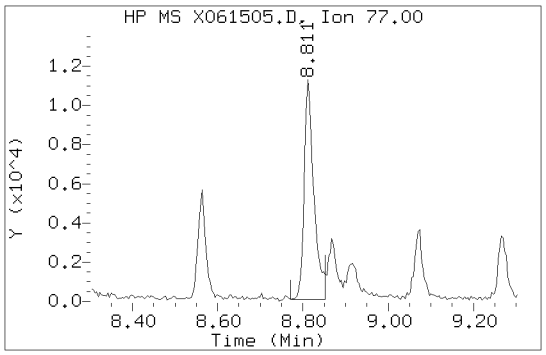
MASS
158
AREA
13121
HEIGHT
7648
20-Jun-2023
18:22
linh
pham



Reason Code:

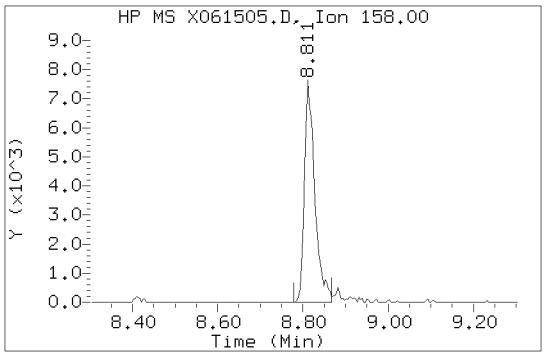
AFTER

MASS
77
AREA
18077
HEIGHT
11211
20-Jun-2023
18:22
linh
pham



AFTER

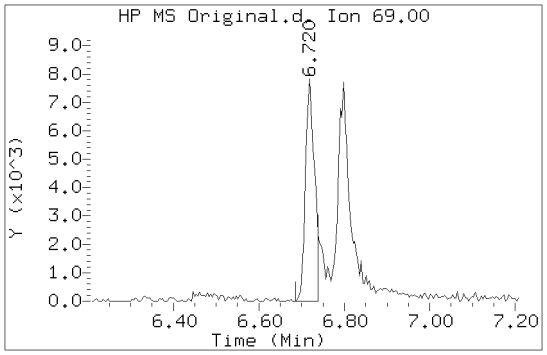
MASS
158
AREA
13121
HEIGHT
7648
20-Jun-2023
18:22
linh
pham



Ethyl Methacrylate (97-63-2)

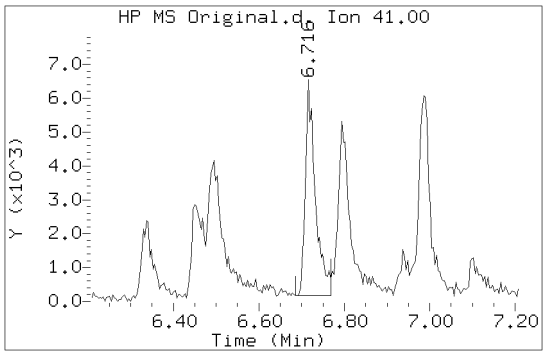
BEFORE

MASS
69
AREA
11631
HEIGHT
7830
20-Jun-2023
18:22
linh
pham



BEFORE

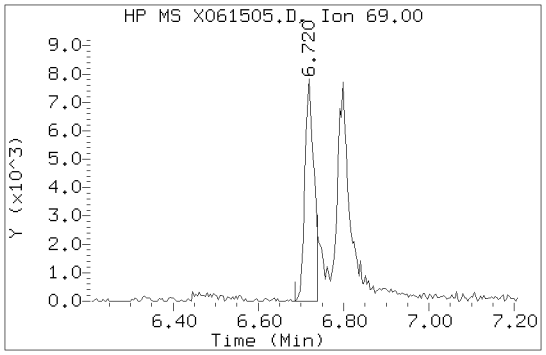
MASS
41
AREA
10404
HEIGHT
6367
20-Jun-2023
18:22
linh
pham



Reason Code:

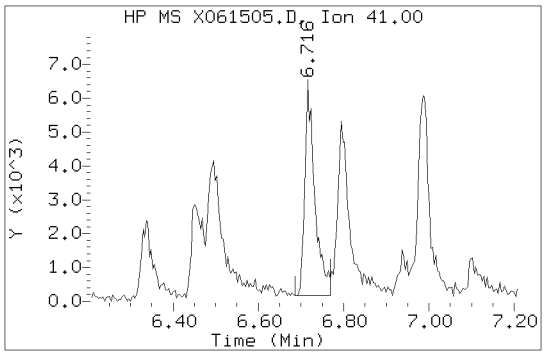
AFTER

MASS
69
AREA
11631
HEIGHT
7830
20-Jun-2023
18:22
linh
pham



AFTER

MASS
41
AREA
10404
HEIGHT
6367
20-Jun-2023
18:22
linh
pham



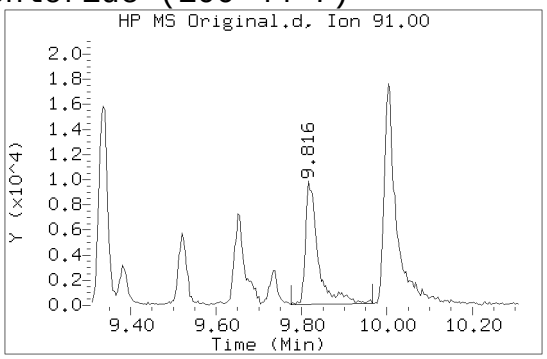
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Inj Date : 15-JUN-2023 12:39
InstruID : voa6.i
LabSampID : VSTD002

Benzyl Chloride (100-44-7)

Reason Code:

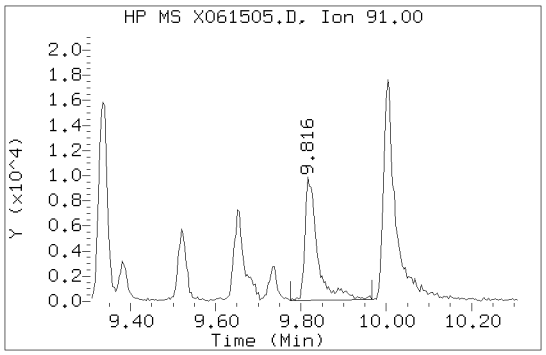
BEFORE

MASS
91
AREA
20389
HEIGHT
9812
20-Jun-2023
18:22
linh
pham



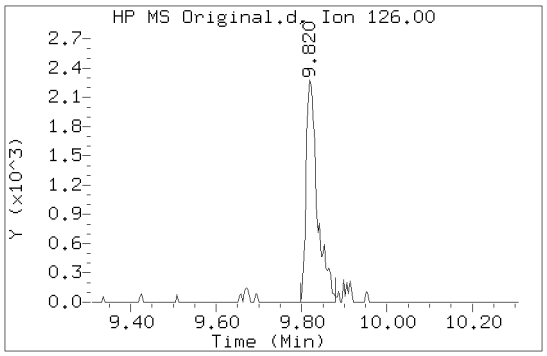
AFTER

MASS
91
AREA
20389
HEIGHT
9812
20-Jun-2023
18:22
linh
pham



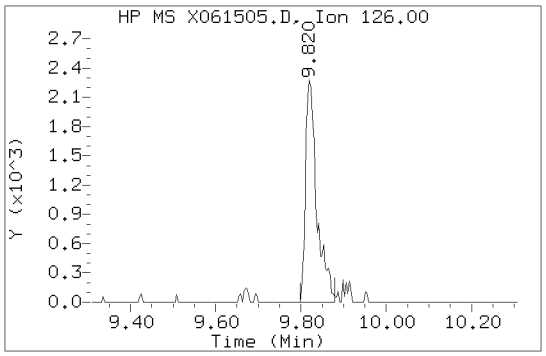
BEFORE

MASS
126
AREA
4211
HEIGHT
2279
20-Jun-2023
18:22
linh
pham



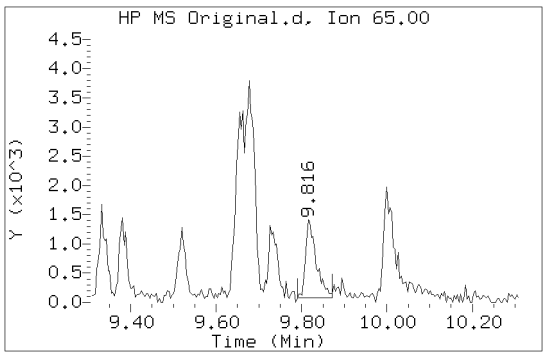
AFTER

MASS
126
AREA
4211
HEIGHT
2279
20-Jun-2023
18:22
linh
pham



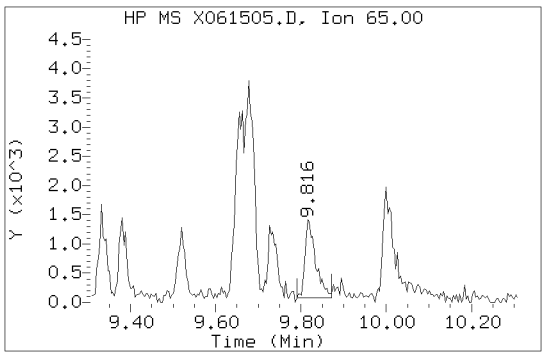
BEFORE

MASS
65
AREA
2345
HEIGHT
1335
20-Jun-2023
18:22
linh
pham



AFTER

MASS
65
AREA
2345
HEIGHT
1335
20-Jun-2023
18:22
linh
pham

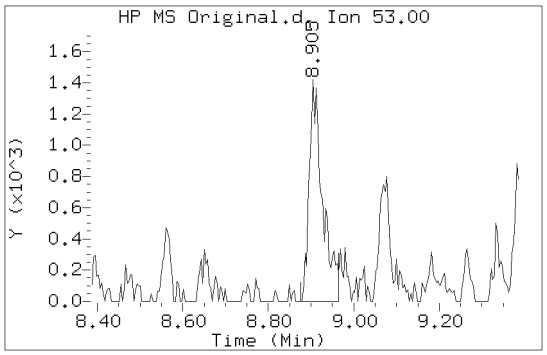


trans-1,4-Dichloro-2-butene (110-57-6)

Reason Code:

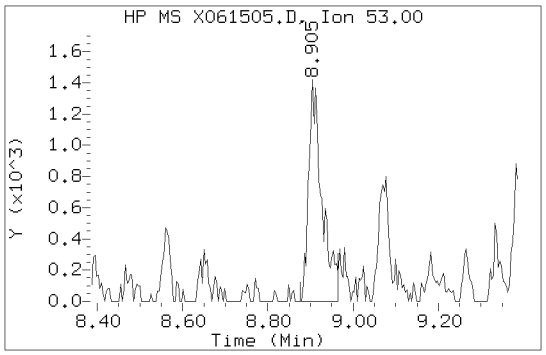
BEFORE

MASS
53
AREA
3093
HEIGHT
1420
20-Jun-2023
18:22
linh
pham



AFTER

MASS
53
AREA
3093
HEIGHT
1420
20-Jun-2023
18:22
linh
pham



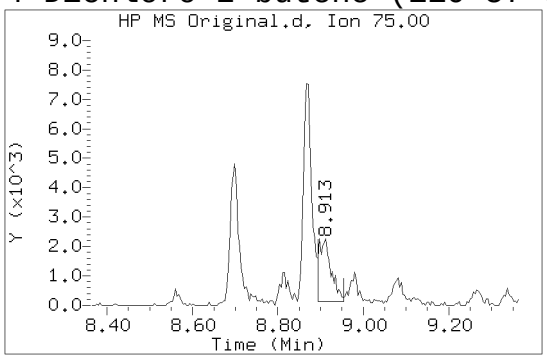
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Inj Date : 15-JUN-2023 12:39
InstruID : voa6.i
LabSampID : VSTD002

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

Reason Code:

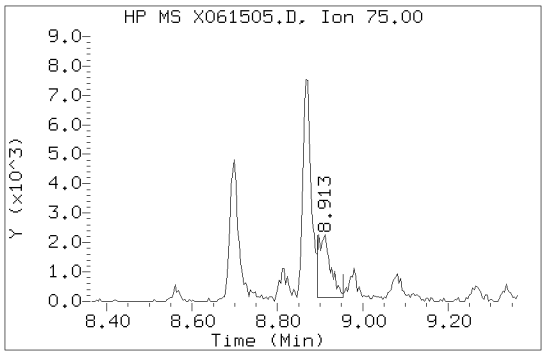
BEFORE

MASS
75
AREA
4233
HEIGHT
2139
20-Jun-2023
18:22
linh
pham



AFTER

MASS
75
AREA
4233
HEIGHT
2139
20-Jun-2023
18:22
linh
pham

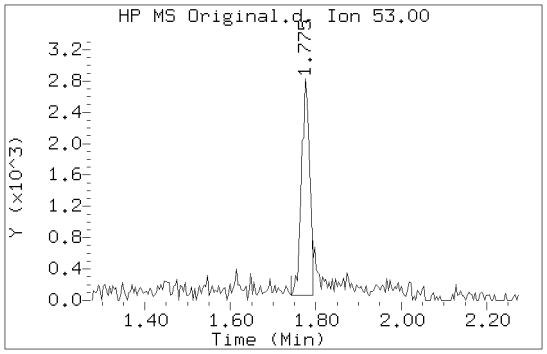


Chloroprene (126-99-8)

Reason Code:

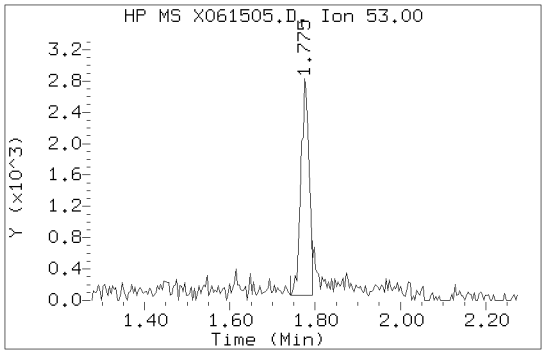
BEFORE

MASS
53
AREA
3814
HEIGHT
2765
20-Jun-2023
18:22
linh
pham



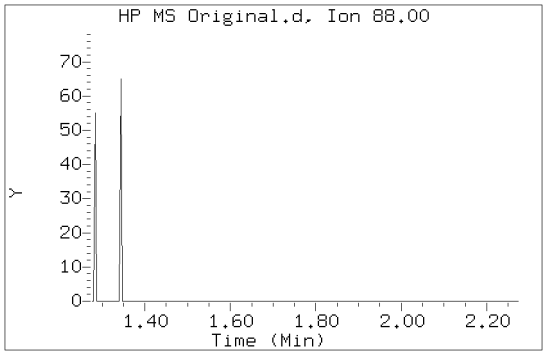
AFTER

MASS
53
AREA
3814
HEIGHT
2765
20-Jun-2023
18:22
linh
pham



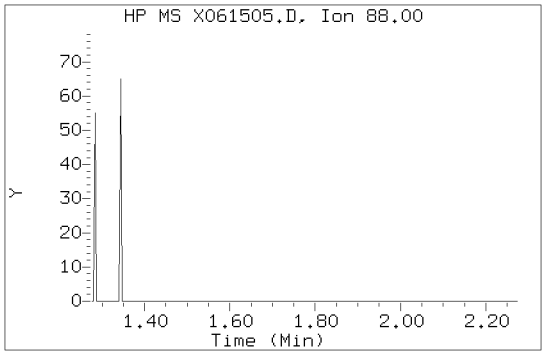
BEFORE

MASS
88
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



AFTER

MASS
88
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham

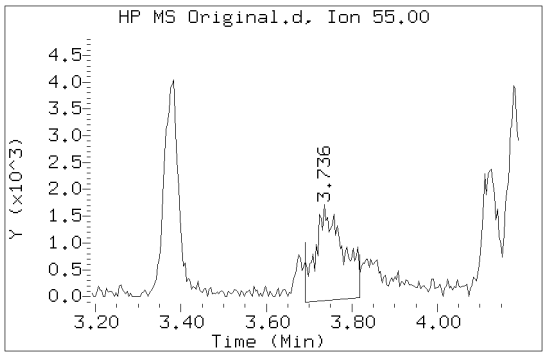


Methyl Acrylate (96-33-3)

Reason Code:

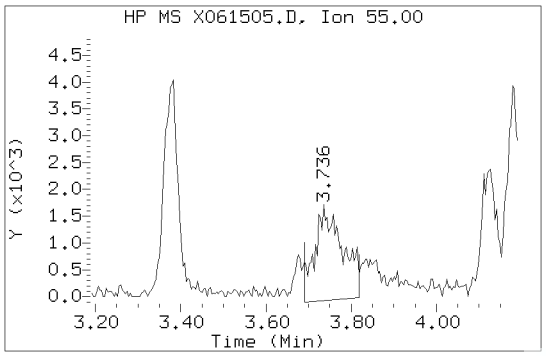
BEFORE

MASS
55
AREA
8064
HEIGHT
1791
20-Jun-2023
18:22
linh
pham



AFTER

MASS
55
AREA
8064
HEIGHT
1791
20-Jun-2023
18:22
linh
pham

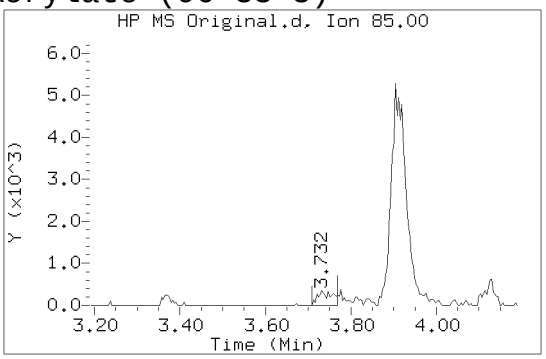


Data File : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061505.D
Inj Date : 15-JUN-2023 12:39
InstruID : voa6.i
LabSampID : VSTD002

Methyl Acrylate (96-33-3)

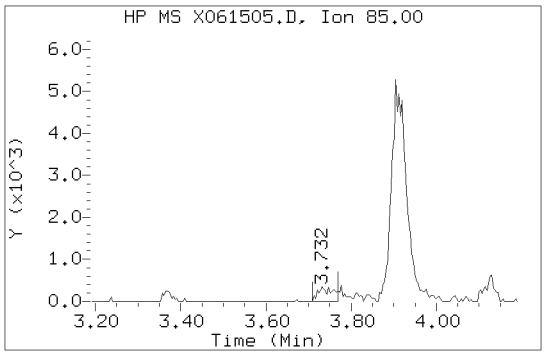
BEFORE

MASS
85
AREA
844
HEIGHT
344
20-Jun-2023
18:22
linh
pham



AFTER

MASS
85
AREA
844
HEIGHT
344
20-Jun-2023
18:22
linh
pham

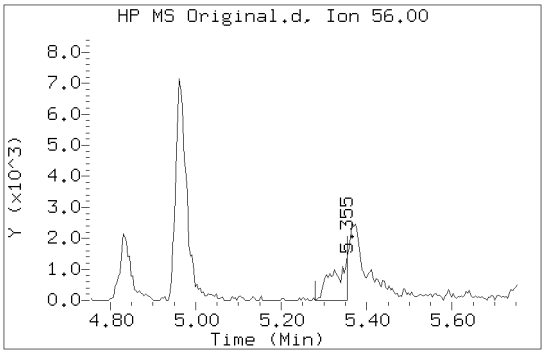


Reason Code:

n-Butanol (71-36-3)

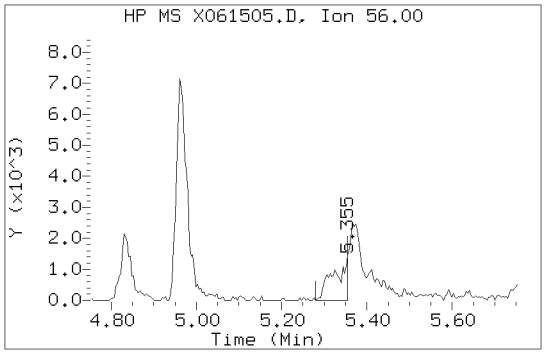
BEFORE

MASS
56
AREA
3179
HEIGHT
1448
20-Jun-2023
18:22
linh
pham



AFTER

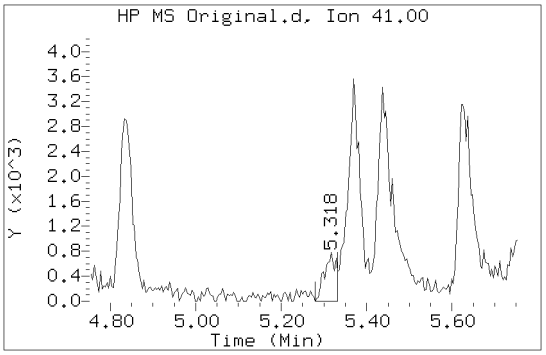
MASS
56
AREA
3179
HEIGHT
1448
20-Jun-2023
18:22
linh
pham



Reason Code:

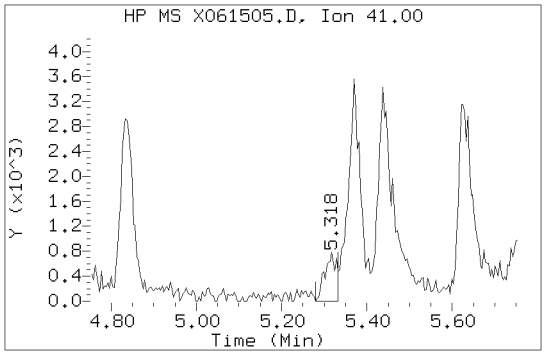
BEFORE

MASS
41
AREA
1455
HEIGHT
782
20-Jun-2023
18:22
linh
pham



AFTER

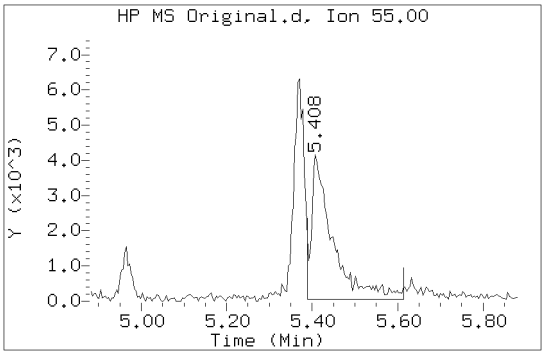
MASS
41
AREA
1455
HEIGHT
782
20-Jun-2023
18:22
linh
pham



Ethyl Acrylate (140-88-5)

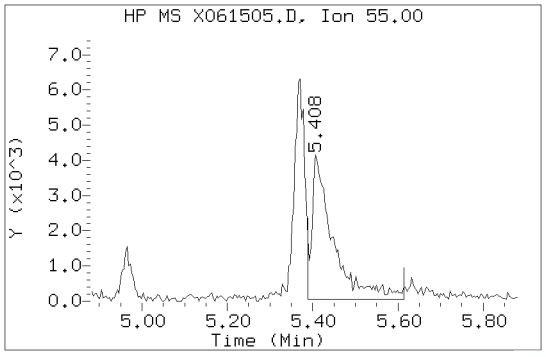
BEFORE

MASS
55
AREA
14275
HEIGHT
4107
20-Jun-2023
18:22
linh
pham



AFTER

MASS
55
AREA
14275
HEIGHT
4107
20-Jun-2023
18:22
linh
pham



Reason Code:

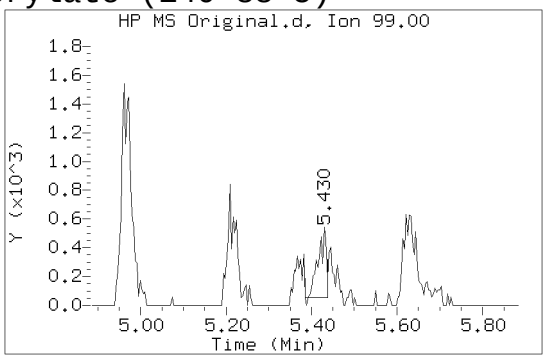
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Inj Date : 15-JUN-2023 12:39
InstruID : voa6.i
LabSampID : VSTD002

Ethyl Acrylate (140-88-5)

Reason Code:

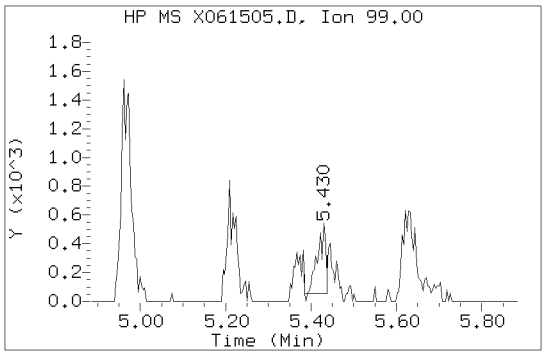
BEFORE

MASS
99
AREA
625
HEIGHT
488
20-Jun-2023
18:22
linh
pham



AFTER

MASS
99
AREA
625
HEIGHT
488
20-Jun-2023
18:22
linh
pham

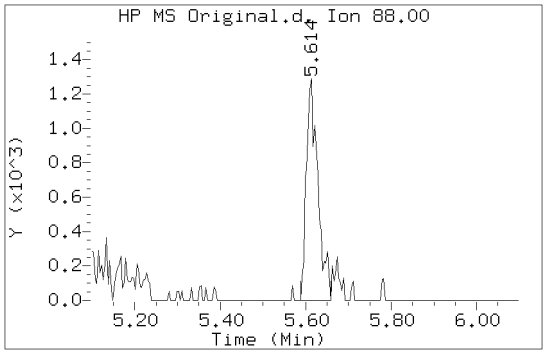


1,4-Dioxane ()

Reason Code:

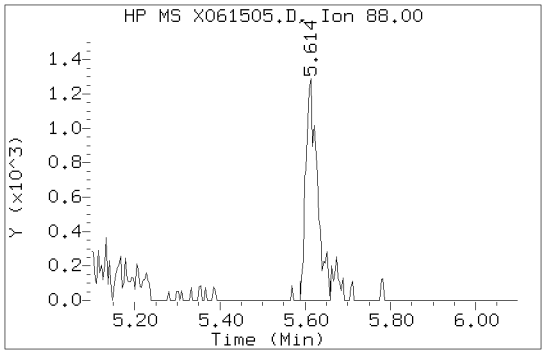
BEFORE

MASS
88
AREA
2444
HEIGHT
1289
20-Jun-2023
18:22
linh
pham



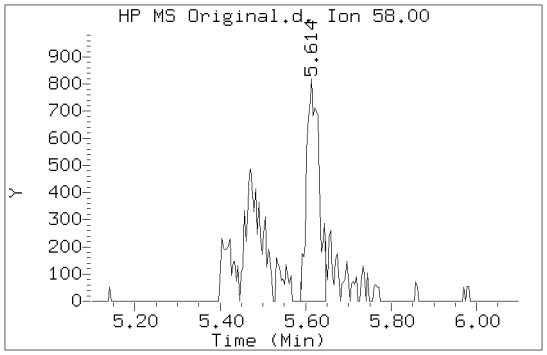
AFTER

MASS
88
AREA
2444
HEIGHT
1289
20-Jun-2023
18:22
linh
pham



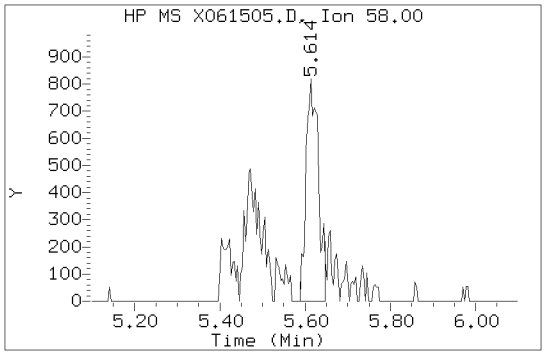
BEFORE

MASS
58
AREA
1653
HEIGHT
819
20-Jun-2023
18:22
linh
pham



AFTER

MASS
58
AREA
1653
HEIGHT
819
20-Jun-2023
18:22
linh
pham

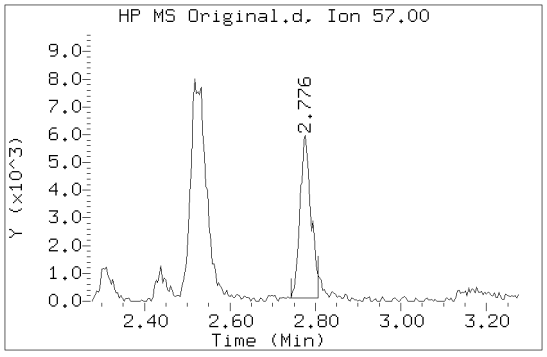


n-Hexane (110-54-3)

Reason Code:

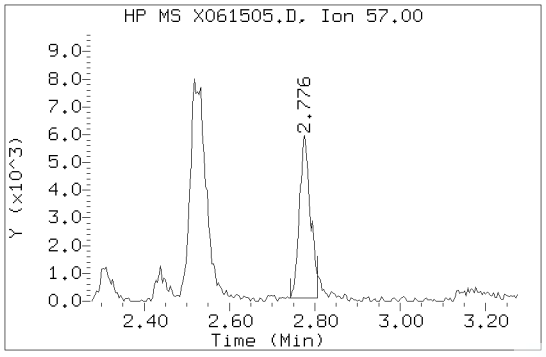
BEFORE

MASS
57
AREA
10696
HEIGHT
5866
20-Jun-2023
18:22
linh
pham



AFTER

MASS
57
AREA
10696
HEIGHT
5866
20-Jun-2023
18:22
linh
pham



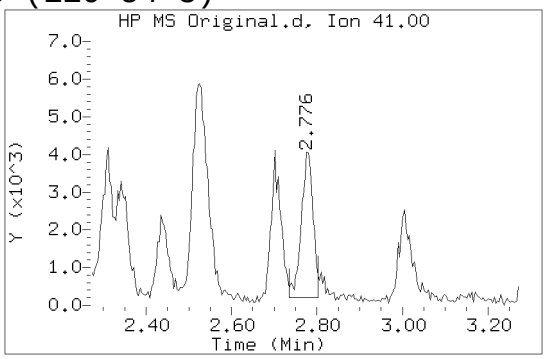
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Inj Date : 15-JUN-2023 12:39
InstruID : voa6.i
LabSampID : VSTD002

n-Hexane (110-54-3)

Reason Code:

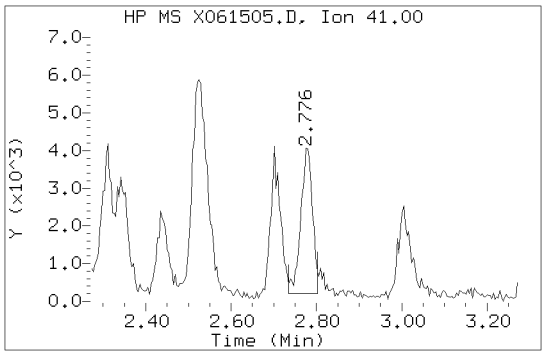
BEFORE

MASS
41
AREA
7540
HEIGHT
3854
20-Jun-2023
18:22
linh
pham



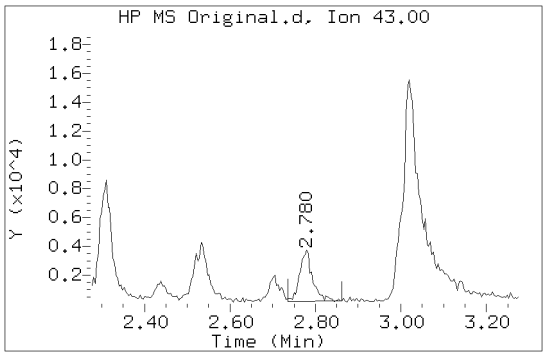
AFTER

MASS
41
AREA
7540
HEIGHT
3854
20-Jun-2023
18:22
linh
pham



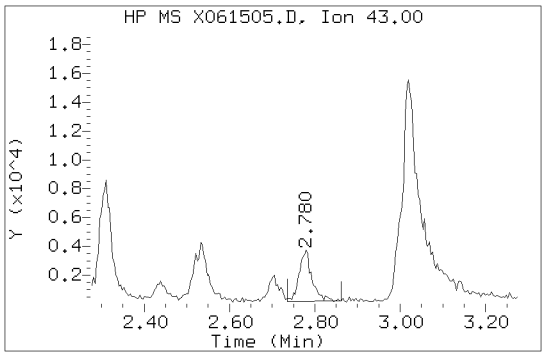
BEFORE

MASS
43
AREA
7477
HEIGHT
3518
20-Jun-2023
18:22
linh
pham



AFTER

MASS
43
AREA
7477
HEIGHT
3518
20-Jun-2023
18:22
linh
pham

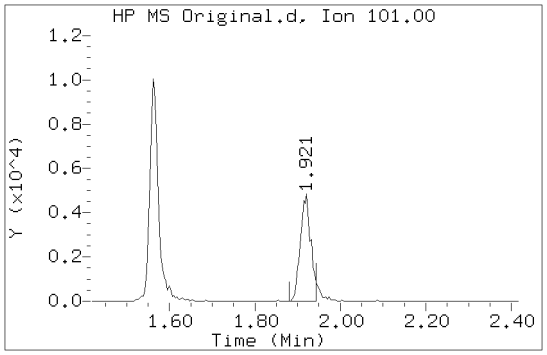


Freon TF (76-13-1)

Reason Code:

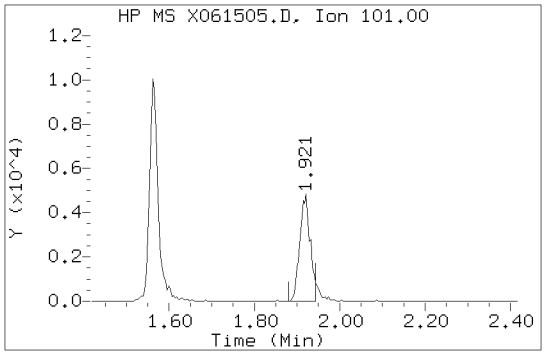
BEFORE

MASS
101
AREA
8361
HEIGHT
4850
20-Jun-2023
18:22
linh
pham



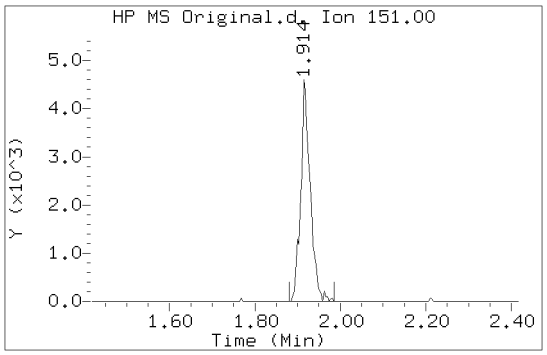
AFTER

MASS
101
AREA
8361
HEIGHT
4850
20-Jun-2023
18:22
linh
pham



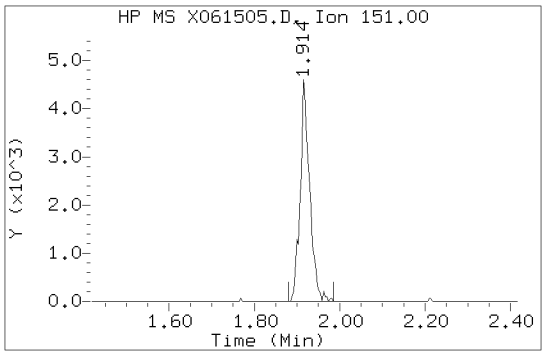
BEFORE

MASS
151
AREA
7295
HEIGHT
4601
20-Jun-2023
18:22
linh
pham



AFTER

MASS
151
AREA
7295
HEIGHT
4601
20-Jun-2023
18:22
linh
pham

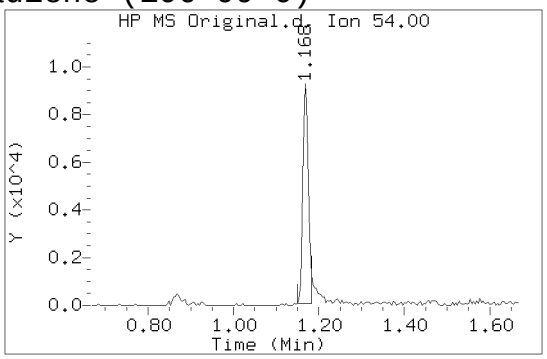


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Inj Date : 15-JUN-2023 12:39
InstruID : voa6.i
LabSampID : VSTD002

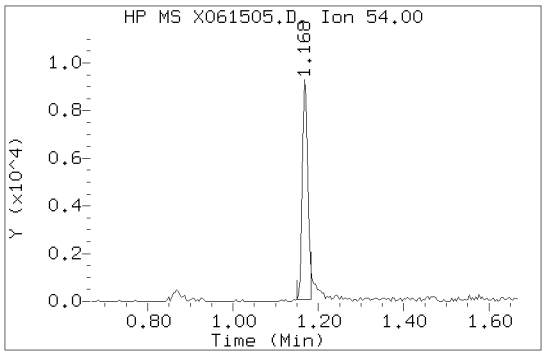
1,3-Butadiene (106-99-0)

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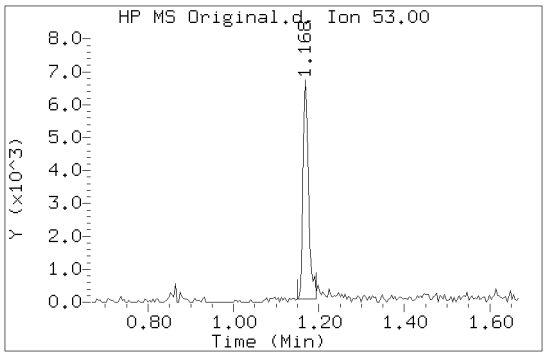
BEFORE
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HEIGHT
9216
20-Jun-2023
18:22
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pham



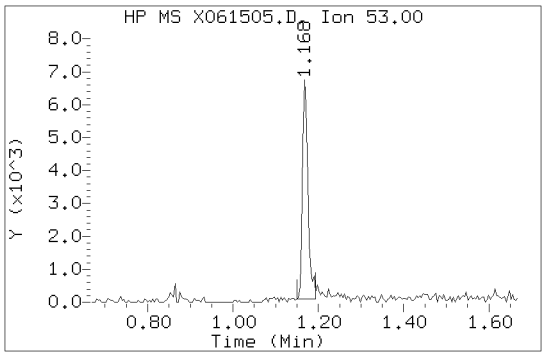
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9216
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BEFORE
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6659
20-Jun-2023
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linh
pham



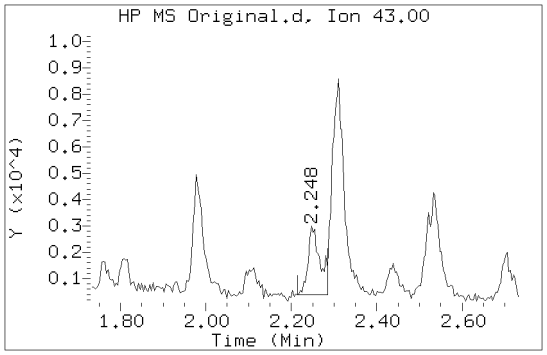
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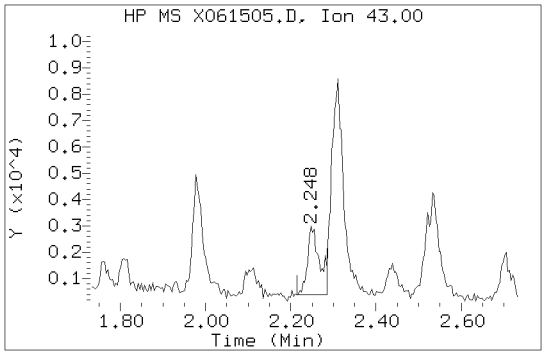
Methyl acetate (79-20-9)

Reason Code:

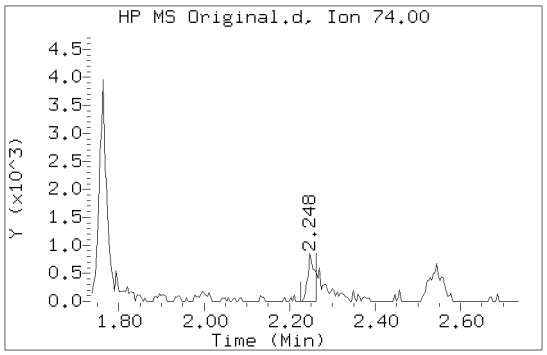
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20-Jun-2023
18:22
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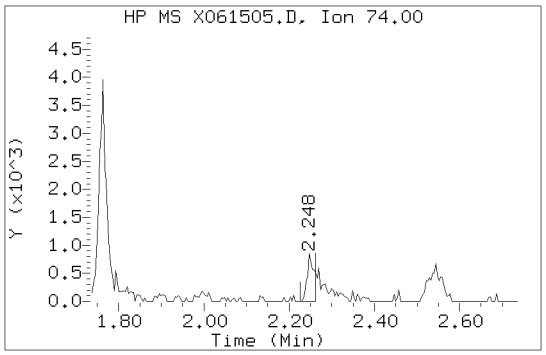
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MASS
43
AREA
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HEIGHT
2617
20-Jun-2023
18:22
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pham



BEFORE
MASS
74
AREA
940
HEIGHT
855
20-Jun-2023
18:22
linh
pham



AFTER
MASS
74
AREA
940
HEIGHT
855
20-Jun-2023
18:22
linh
pham

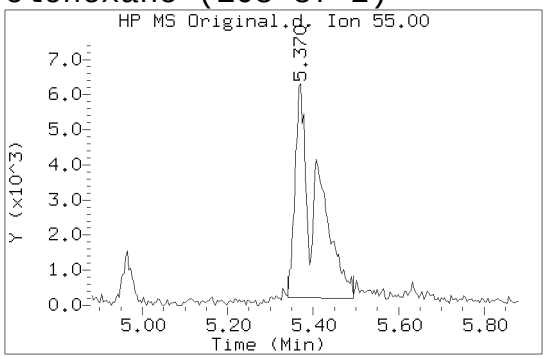


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LabSampID : VSTD002

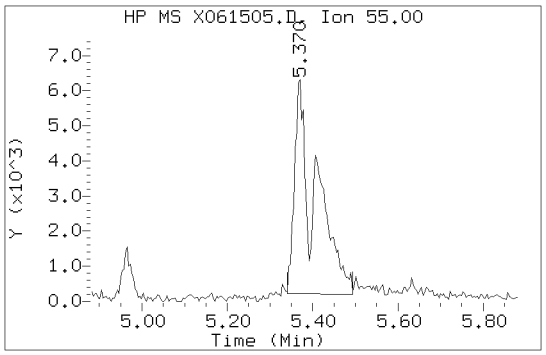
Methylcyclohexane (108-87-2)

Reason Code:

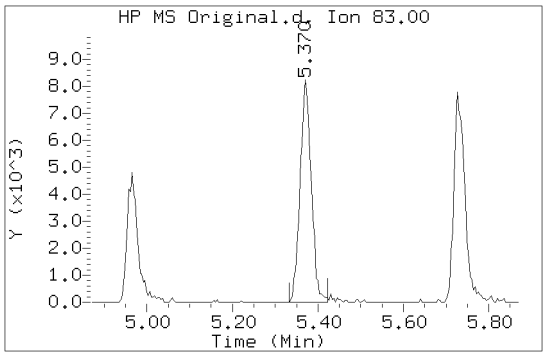
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6091
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18:22
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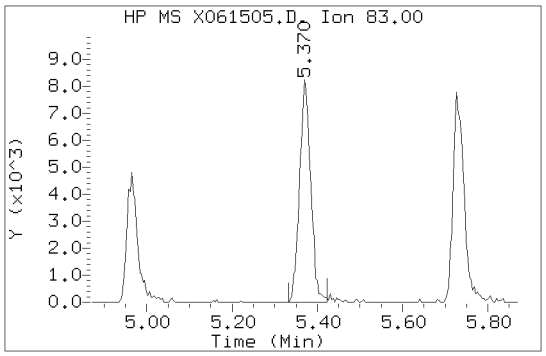
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HEIGHT
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20-Jun-2023
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BEFORE
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AREA
15282
HEIGHT
8235
20-Jun-2023
18:22
linh
pham



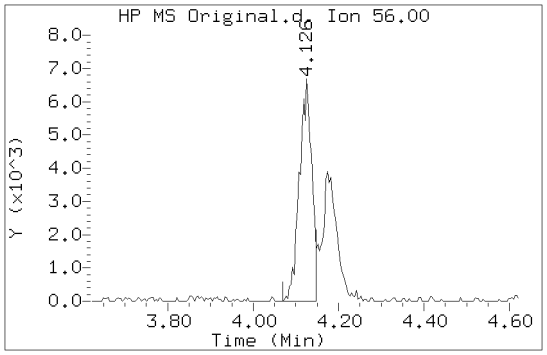
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HEIGHT
8235
20-Jun-2023
18:22
linh
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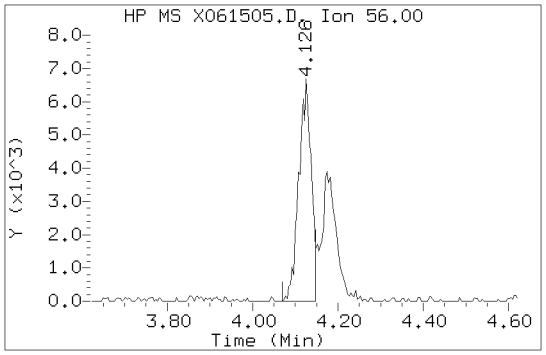
Cyclohexane (110-82-7)

Reason Code:

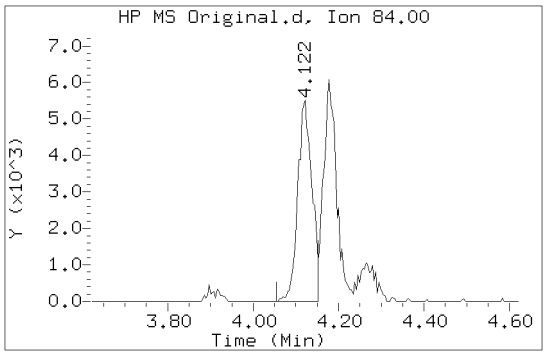
BEFORE
MASS
56
AREA
13787
HEIGHT
6686
20-Jun-2023
18:22
linh
pham



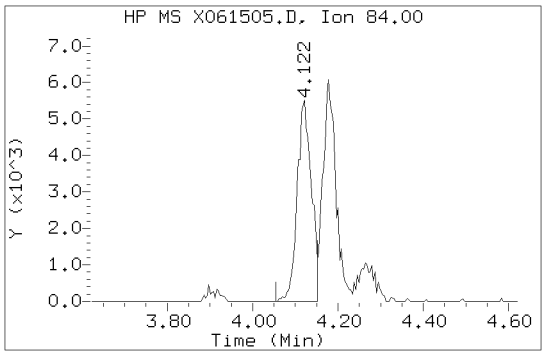
AFTER
MASS
56
AREA
13787
HEIGHT
6686
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
84
AREA
12922
HEIGHT
5508
20-Jun-2023
18:22
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pham



AFTER
MASS
84
AREA
12922
HEIGHT
5508
20-Jun-2023
18:22
linh
pham



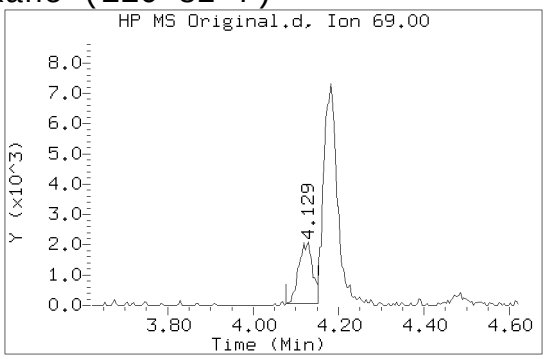
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LabSampID : VSTD002

Cyclohexane (110-82-7)

Reason Code:

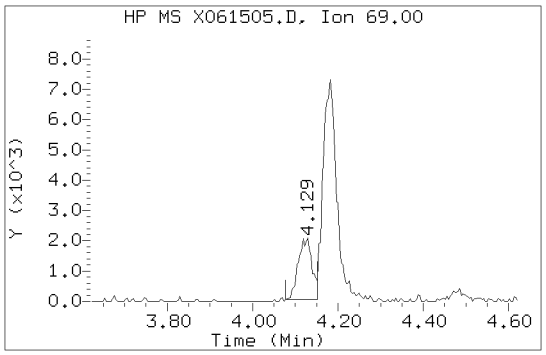
BEFORE

MASS
69
AREA
4668
HEIGHT
2038
20-Jun-2023
18:22
linh
pham



AFTER

MASS
69
AREA
4668
HEIGHT
2038
20-Jun-2023
18:22
linh
pham

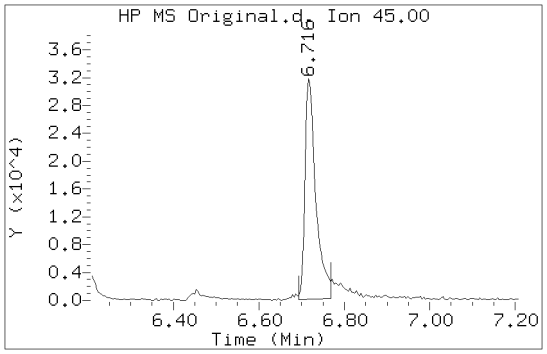


4-Methyl-2-pentanol (108-11-2)

Reason Code:

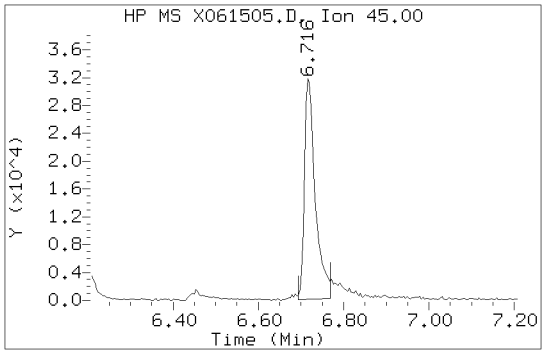
BEFORE

MASS
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AREA
56864
HEIGHT
31680
20-Jun-2023
18:22
linh
pham



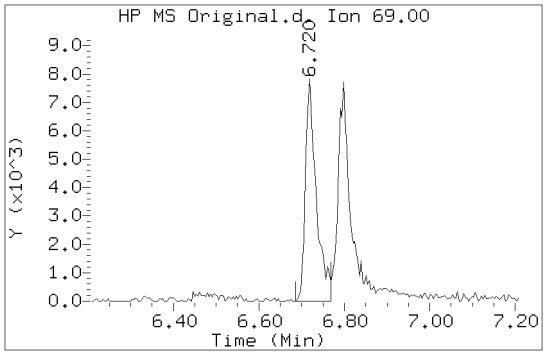
AFTER

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HEIGHT
31680
20-Jun-2023
18:22
linh
pham



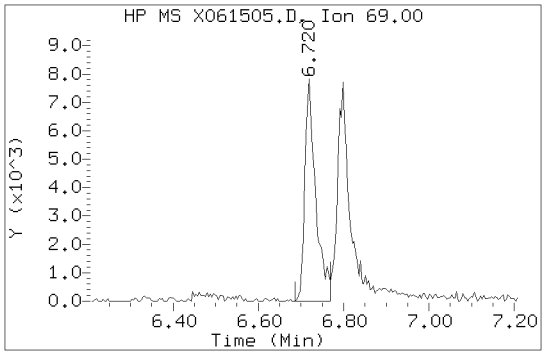
BEFORE

MASS
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AREA
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HEIGHT
7830
20-Jun-2023
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AFTER

MASS
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14049
HEIGHT
7830
20-Jun-2023
18:22
linh
pham

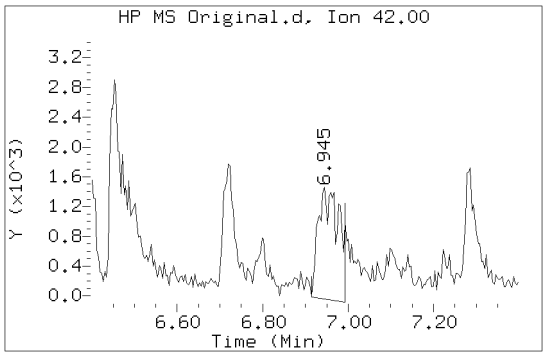


Amyl alcohol (71-41-0)

Reason Code:

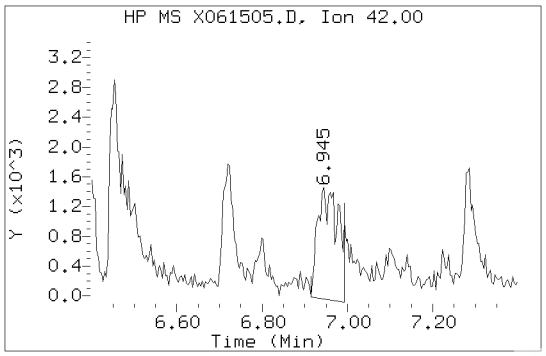
BEFORE

MASS
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HEIGHT
1499
20-Jun-2023
18:22
linh
pham



AFTER

MASS
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AREA
5090
HEIGHT
1499
20-Jun-2023
18:22
linh
pham

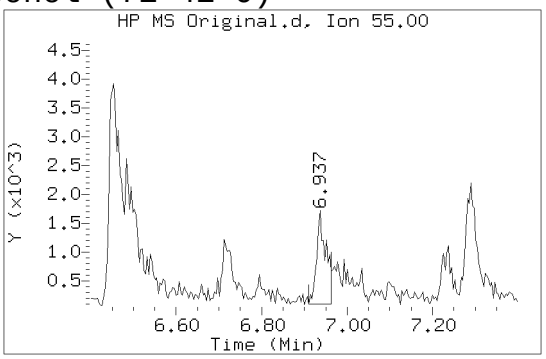


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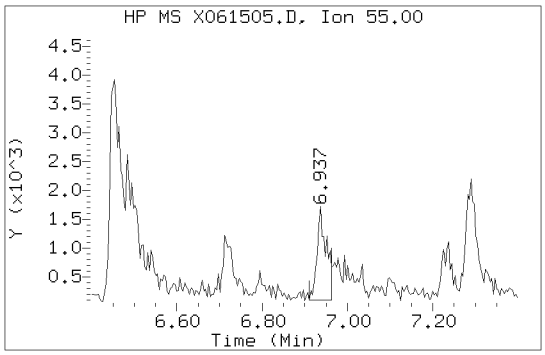
Amyl alcohol (71-41-0)

Reason Code:

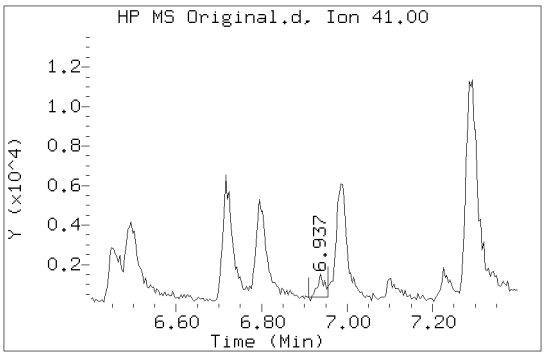
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HEIGHT
1619
20-Jun-2023
18:22
linh
pham



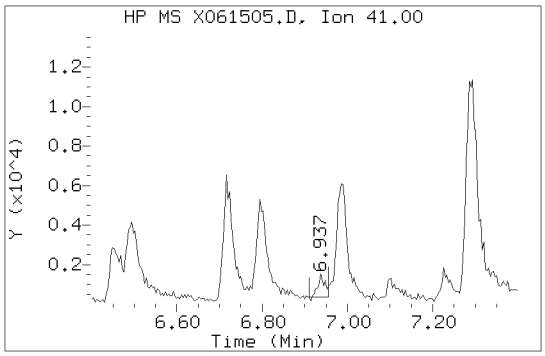
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HEIGHT
1619
20-Jun-2023
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BEFORE
MASS
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AREA
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HEIGHT
1194
20-Jun-2023
18:22
linh
pham



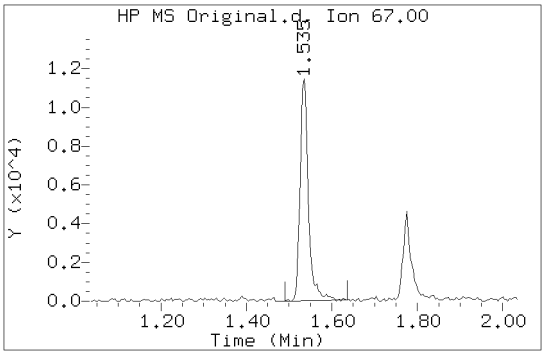
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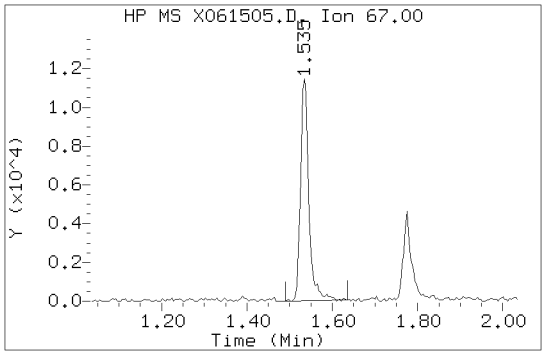
Dichlorofluoromethane (75-43-4)

Reason Code:

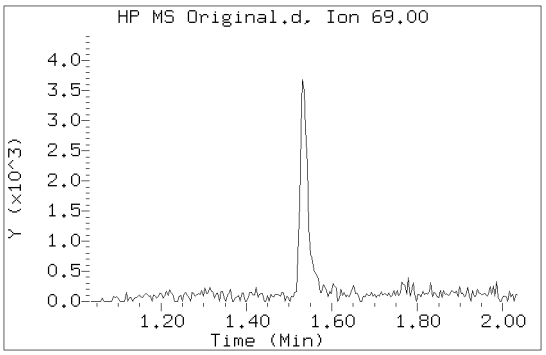
BEFORE
MASS
67
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15880
HEIGHT
11454
20-Jun-2023
18:22
linh
pham



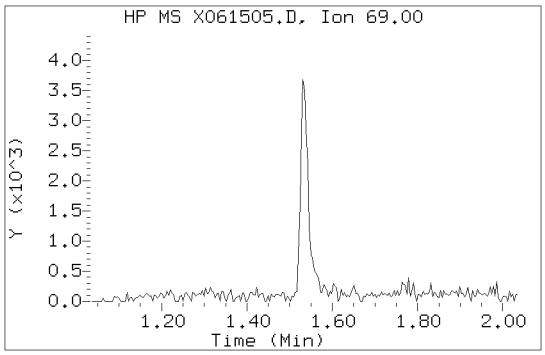
AFTER
MASS
67
AREA
15880
HEIGHT
11454
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
69
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



AFTER
MASS
69
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



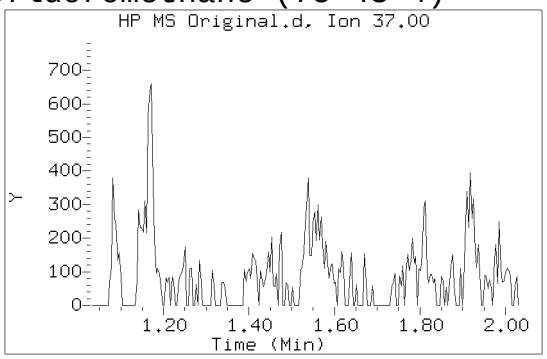
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InstruID : voa6.i
LabSampID : VSTD002

Dichlorofluoromethane (75-43-4)

Reason Code:

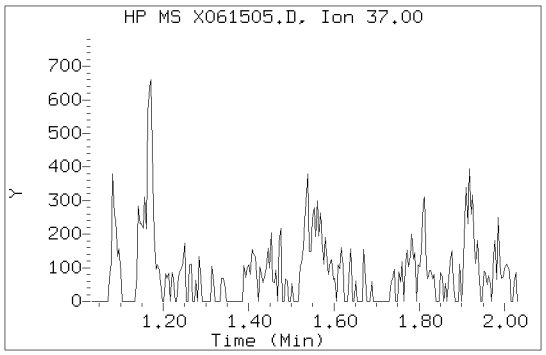
BEFORE

MASS
37
AREA
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HEIGHT
0
20-Jun-2023
18:22
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pham



AFTER

MASS
37
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham

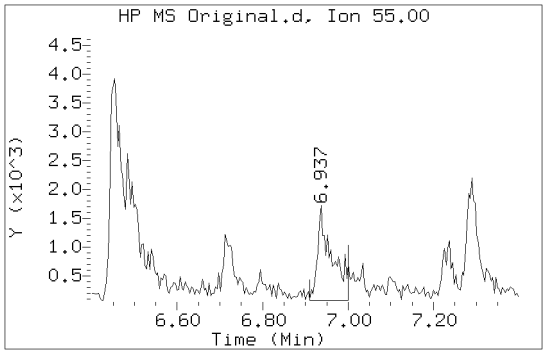


3-Methyl-1-butanol (123-51-3)

Reason Code:

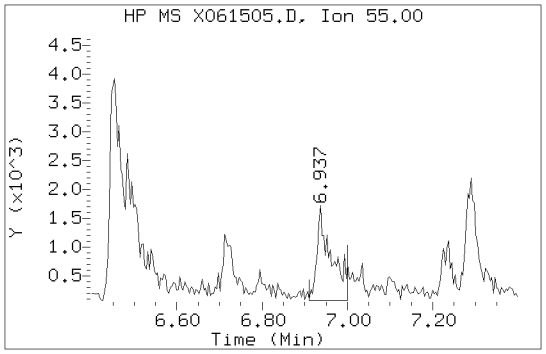
BEFORE

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AREA
3850
HEIGHT
1643
20-Jun-2023
18:22
linh
pham



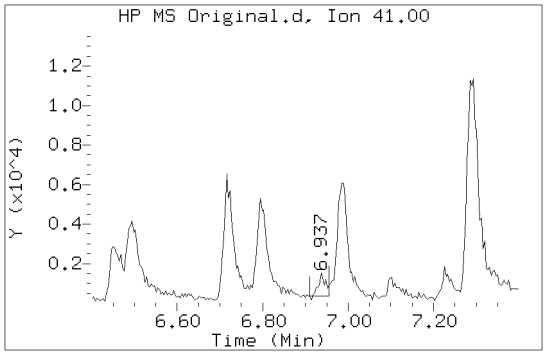
AFTER

MASS
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AREA
3850
HEIGHT
1643
20-Jun-2023
18:22
linh
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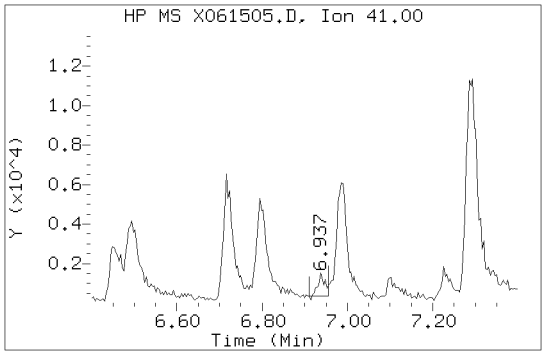
BEFORE

MASS
41
AREA
1377
HEIGHT
1194
20-Jun-2023
18:22
linh
pham



AFTER

MASS
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AREA
1377
HEIGHT
1194
20-Jun-2023
18:22
linh
pham

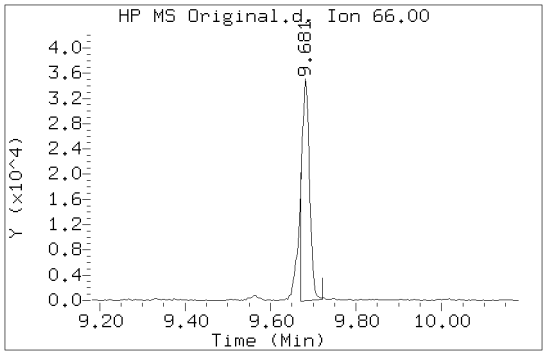


Dicyclopentadiene (77-73-6)

Reason Code:

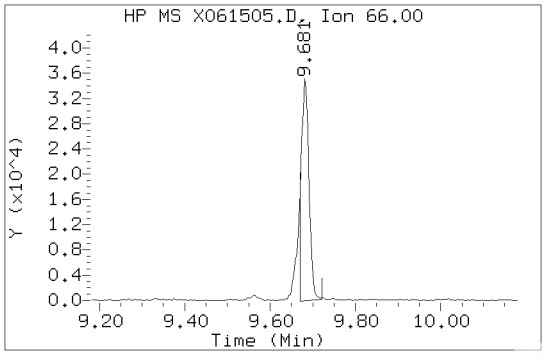
BEFORE

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66
AREA
45923
HEIGHT
35155
20-Jun-2023
18:22
linh
pham



AFTER

MASS
66
AREA
45923
HEIGHT
35155
20-Jun-2023
18:22
linh
pham



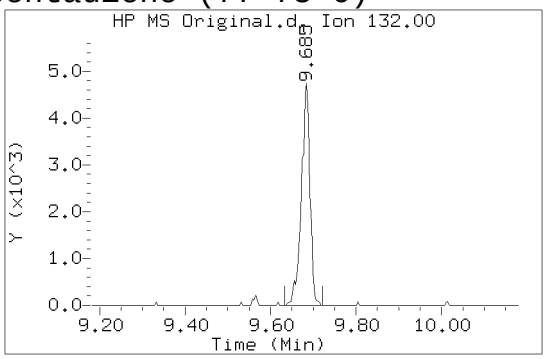
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Inj Date : 15-JUN-2023 12:39
InstruID : voa6.i
LabSampID : VSTD002

Dicyclopentadiene (77-73-6)

Reason Code:

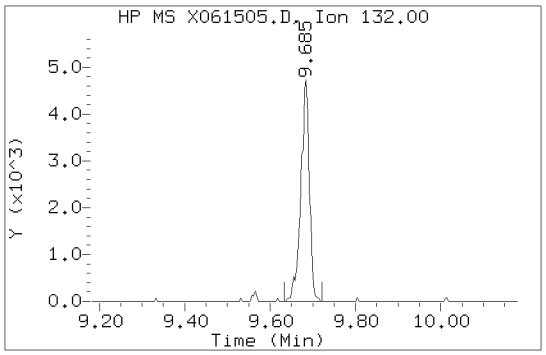
BEFORE

MASS
132
AREA
6793
HEIGHT
4734
20-Jun-2023
18:22
linh
pham



AFTER

MASS
132
AREA
6793
HEIGHT
4734
20-Jun-2023
18:22
linh
pham

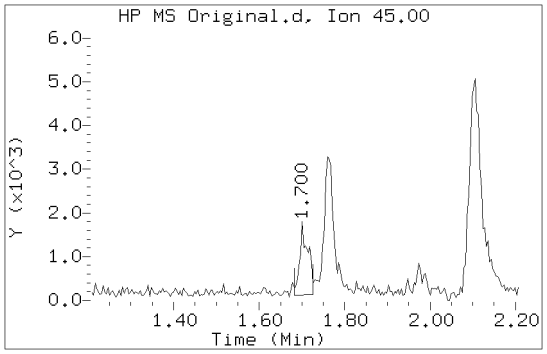


Ethanol (64-17-5)

Reason Code:

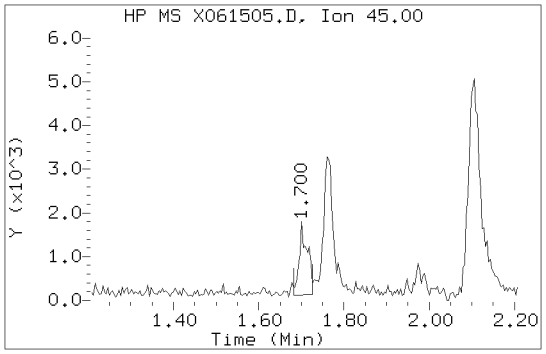
BEFORE

MASS
45
AREA
2336
HEIGHT
1678
20-Jun-2023
18:22
linh
pham



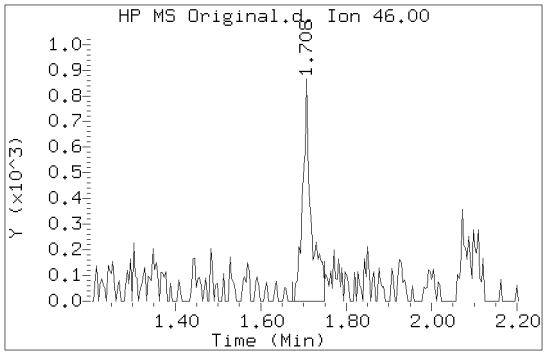
AFTER

MASS
45
AREA
2336
HEIGHT
1678
20-Jun-2023
18:22
linh
pham



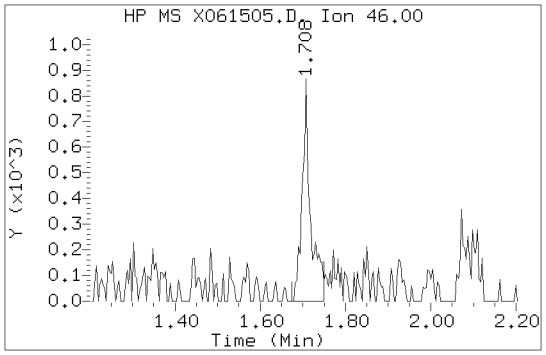
BEFORE

MASS
46
AREA
1210
HEIGHT
866
20-Jun-2023
18:22
linh
pham



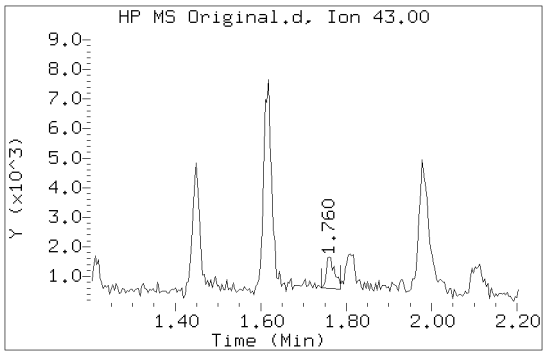
AFTER

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46
AREA
1210
HEIGHT
866
20-Jun-2023
18:22
linh
pham



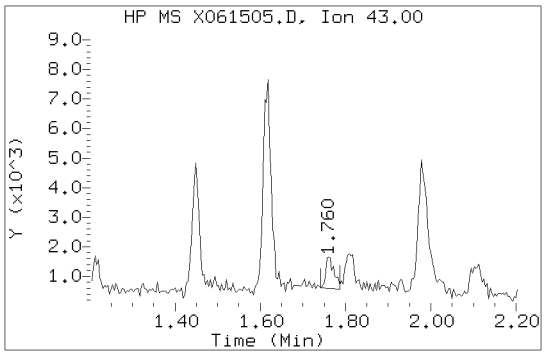
BEFORE

MASS
43
AREA
1441
HEIGHT
1055
20-Jun-2023
18:22
linh
pham



AFTER

MASS
43
AREA
1441
HEIGHT
1055
20-Jun-2023
18:22
linh
pham



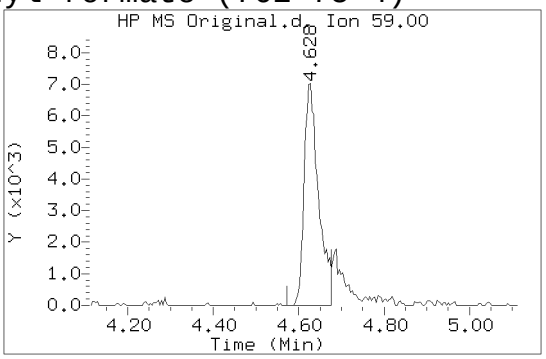
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Inj Date : 15-JUN-2023 12:39
InstruID : voa6.i
LabSampID : VSTD002

tert-Butyl formate (762-75-4)

Reason Code:

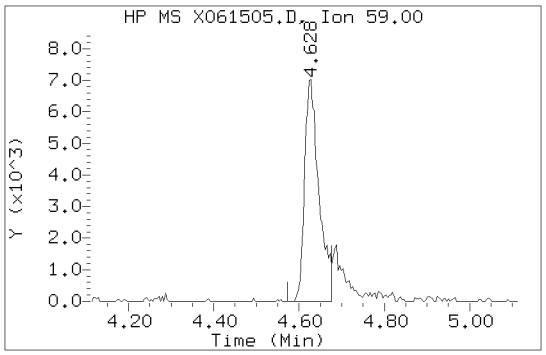
BEFORE

MASS
59
AREA
16716
HEIGHT
7019
20-Jun-2023
18:22
linh
pham



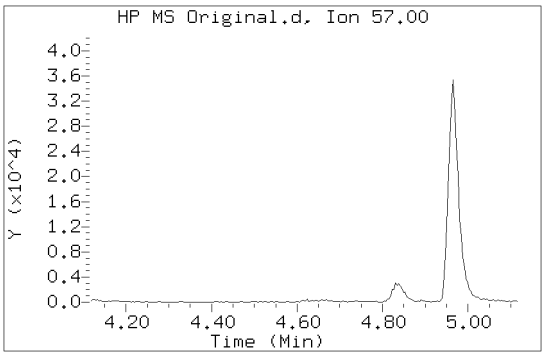
AFTER

MASS
59
AREA
16716
HEIGHT
7019
20-Jun-2023
18:22
linh
pham



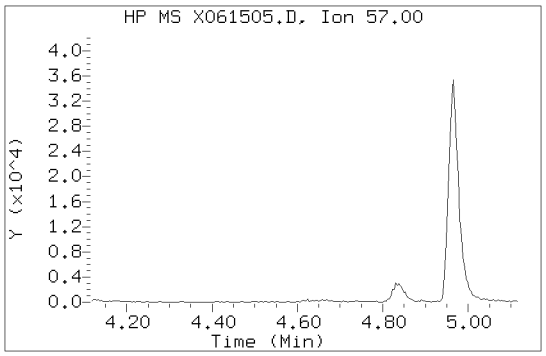
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AREA
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HEIGHT
0
20-Jun-2023
18:22
linh
pham



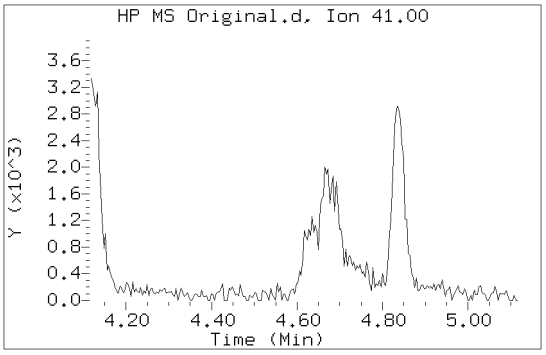
AFTER

MASS
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AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



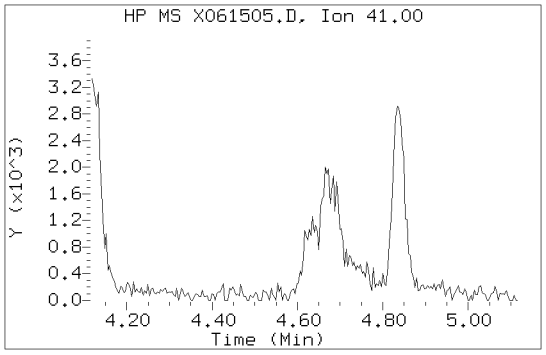
BEFORE

MASS
41
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



AFTER

MASS
41
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham

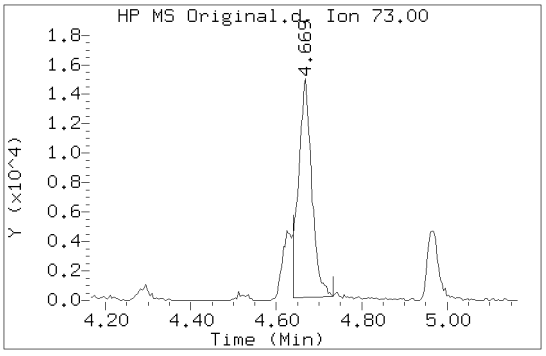


tert-Amyl methyl ether (974-05-08)

Reason Code:

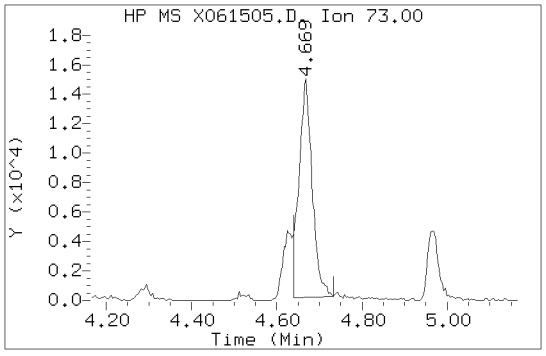
BEFORE

MASS
73
AREA
32910
HEIGHT
14863
20-Jun-2023
18:22
linh
pham



AFTER

MASS
73
AREA
32910
HEIGHT
14863
20-Jun-2023
18:22
linh
pham



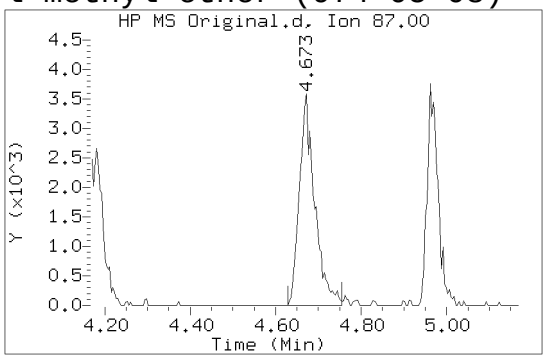
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Inj Date : 15-JUN-2023 12:39
InstruID : voa6.i
LabSampID : VSTD002

tert-Amyl methyl ether (974-05-08)

Reason Code:

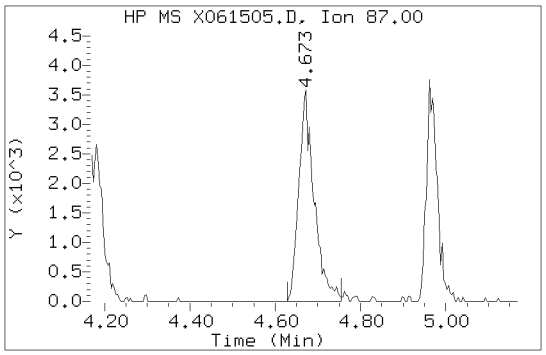
BEFORE

MASS
87
AREA
9052
HEIGHT
3583
20-Jun-2023
18:22
linh
pham



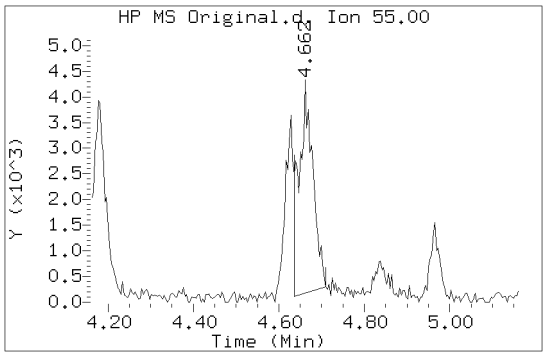
AFTER

MASS
87
AREA
9052
HEIGHT
3583
20-Jun-2023
18:22
linh
pham



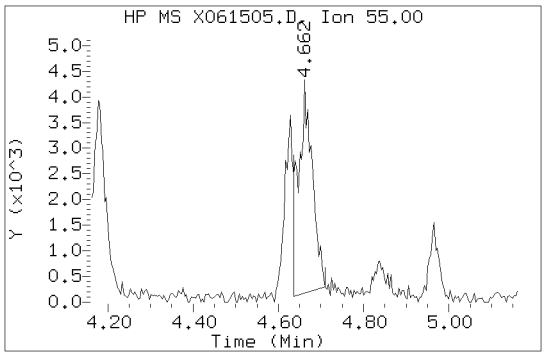
BEFORE

MASS
55
AREA
9699
HEIGHT
4151
20-Jun-2023
18:22
linh
pham



AFTER

MASS
55
AREA
9699
HEIGHT
4151
20-Jun-2023
18:22
linh
pham

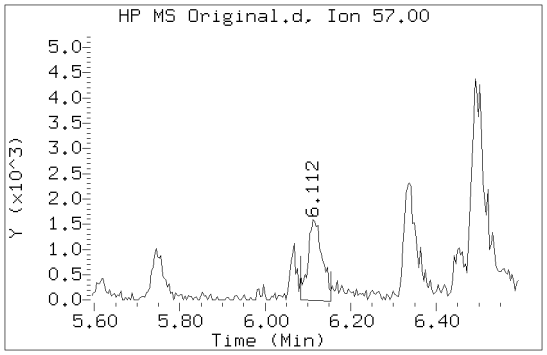


Epichlorohydrin (106-89-8)

Reason Code:

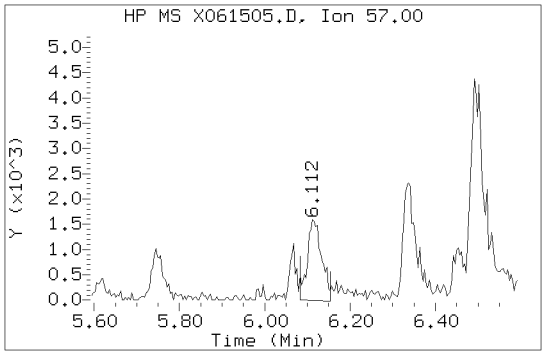
BEFORE

MASS
57
AREA
3820
HEIGHT
1601
20-Jun-2023
18:22
linh
pham



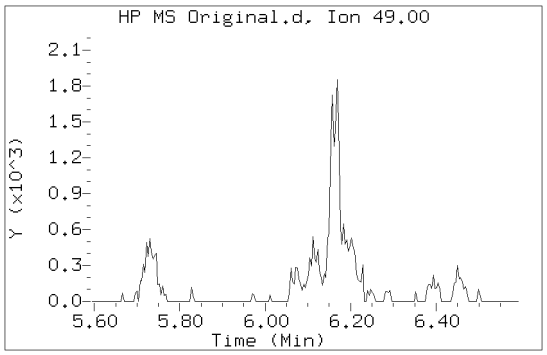
AFTER

MASS
57
AREA
3820
HEIGHT
1601
20-Jun-2023
18:22
linh
pham



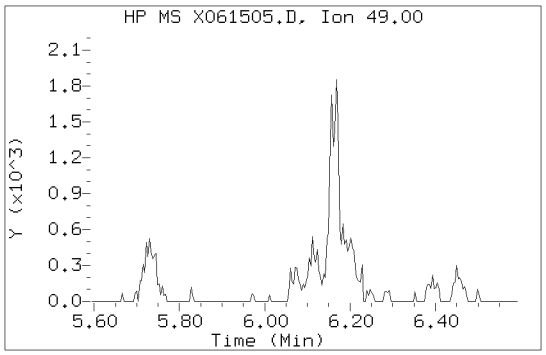
BEFORE

MASS
49
AREA
0
HEIGHT
0
20-Jun-2023
18:22
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pham



AFTER

MASS
49
AREA
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HEIGHT
0
20-Jun-2023
18:22
linh
pham

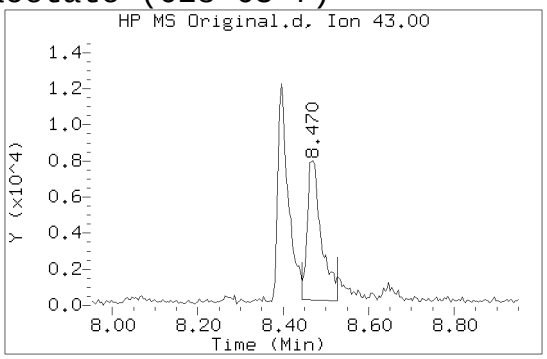


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Inj Date : 15-JUN-2023 12:39
InstruID : voa6.i
LabSampID : VSTD002

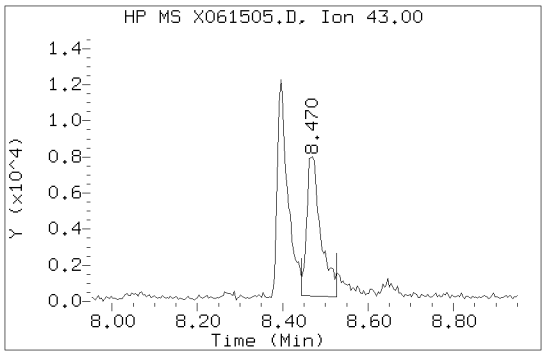
n-Amyl acetate (628-63-7)

Reason Code:

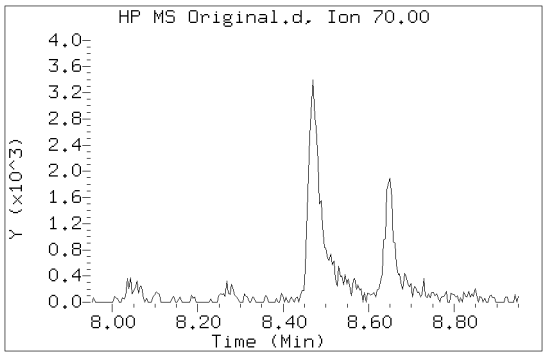
BEFORE
MASS
43
AREA
18078
HEIGHT
7749
20-Jun-2023
18:22
linh
pham



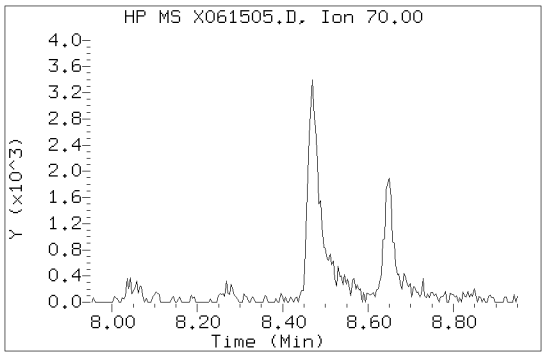
AFTER
MASS
43
AREA
18078
HEIGHT
7749
20-Jun-2023
18:22
linh
pham



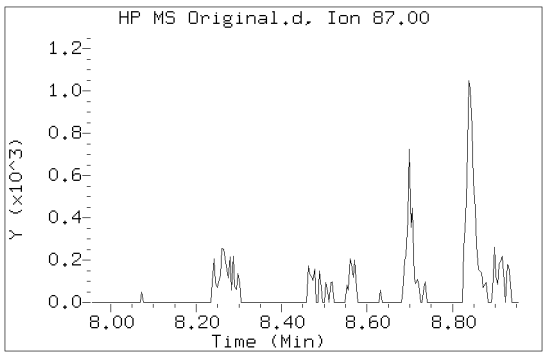
BEFORE
MASS
70
AREA
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HEIGHT
0
20-Jun-2023
18:22
linh
pham



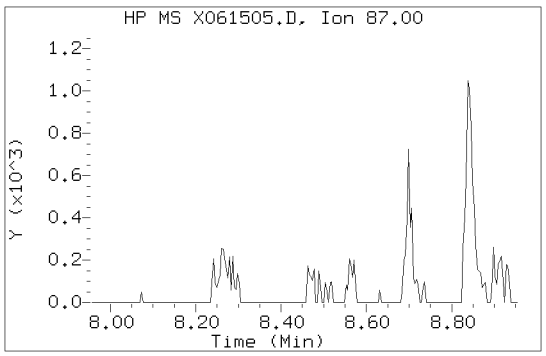
AFTER
MASS
70
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
87
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



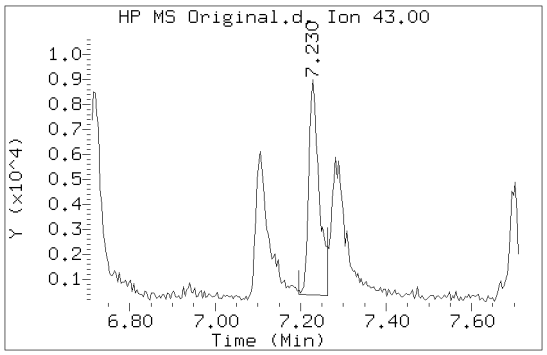
AFTER
MASS
87
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



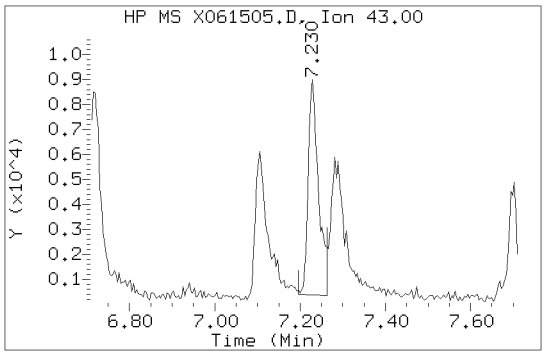
n-Butyl acetate (123-86-4)

Reason Code:

BEFORE
MASS
43
AREA
14580
HEIGHT
8610
20-Jun-2023
18:22
linh
pham



AFTER
MASS
43
AREA
14580
HEIGHT
8610
20-Jun-2023
18:22
linh
pham

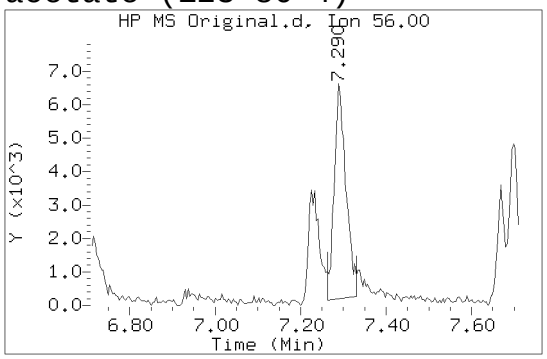


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Inj Date : 15-JUN-2023 12:39
InstruID : voa6.i
LabSampID : VSTD002

n-Butyl acetate (123-86-4)

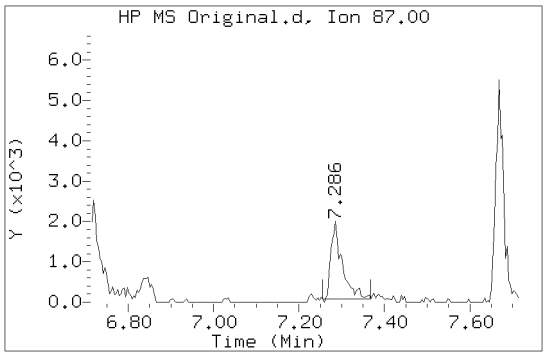
BEFORE

MASS
56
AREA
12380
HEIGHT
6432
20-Jun-2023
18:22
linh
pham



BEFORE

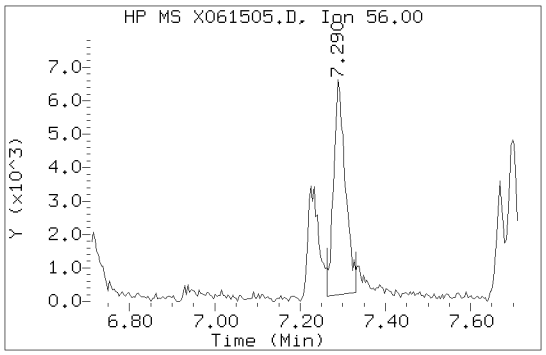
MASS
87
AREA
3534
HEIGHT
1937
20-Jun-2023
18:22
linh
pham



Reason Code:

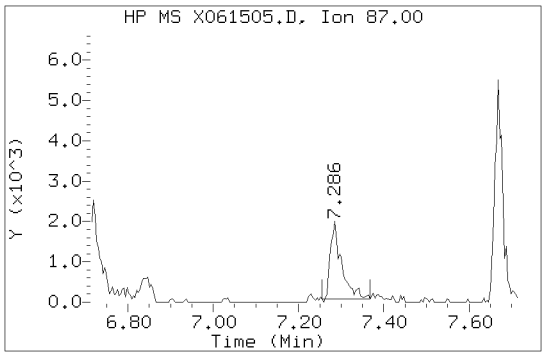
AFTER

MASS
56
AREA
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HEIGHT
6432
20-Jun-2023
18:22
linh
pham



AFTER

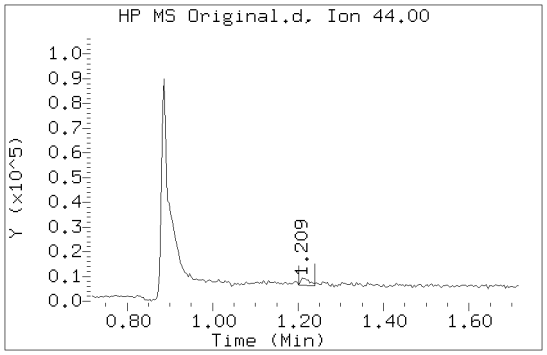
MASS
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AREA
3534
HEIGHT
1937
20-Jun-2023
18:22
linh
pham



Acetaldehyde (75-07-0)

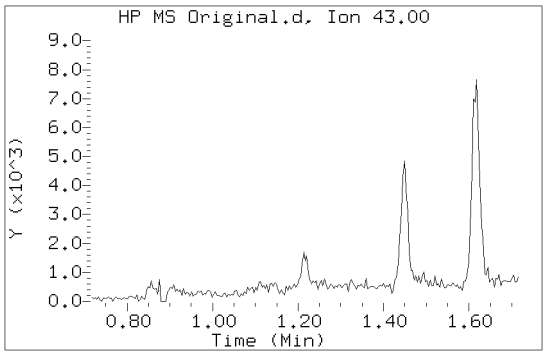
BEFORE

MASS
44
AREA
4310
HEIGHT
3066
20-Jun-2023
18:22
linh
pham



BEFORE

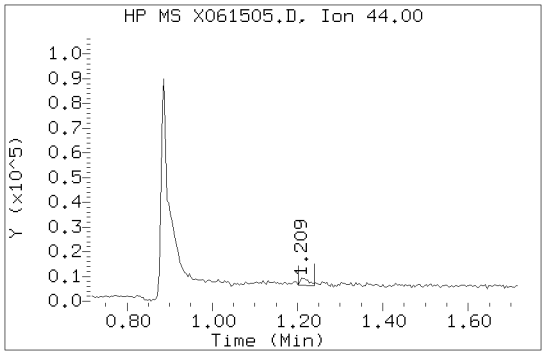
MASS
43
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



Reason Code:

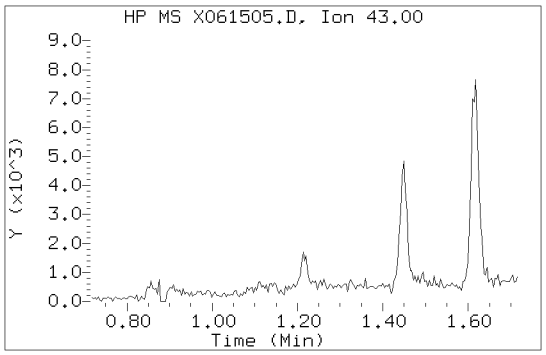
AFTER

MASS
44
AREA
4310
HEIGHT
3066
20-Jun-2023
18:22
linh
pham



AFTER

MASS
43
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



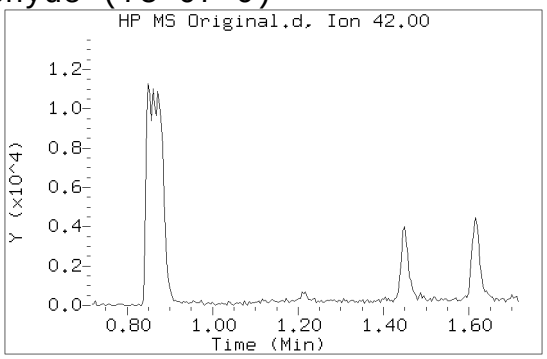
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Inj Date : 15-JUN-2023 12:39
InstruID : voa6.i
LabSampID : VSTD002

Acetaldehyde (75-07-0)

Reason Code:

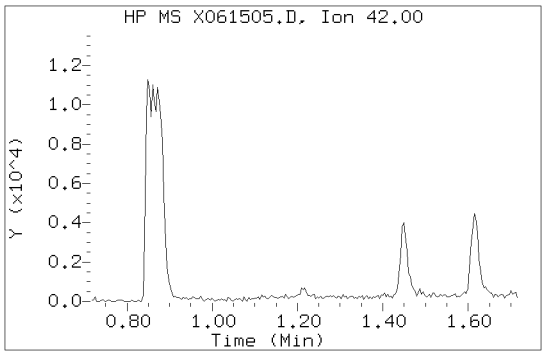
BEFORE

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AREA
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HEIGHT
0
20-Jun-2023
18:22
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AFTER

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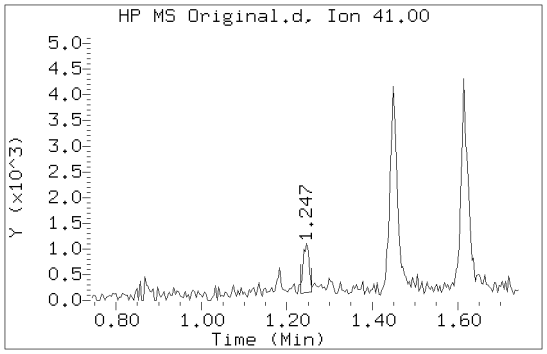


Isobutylene (115-11-7)

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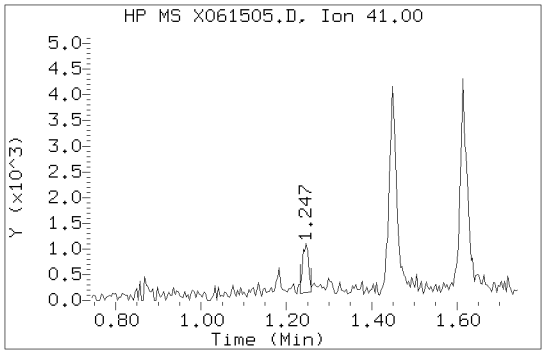
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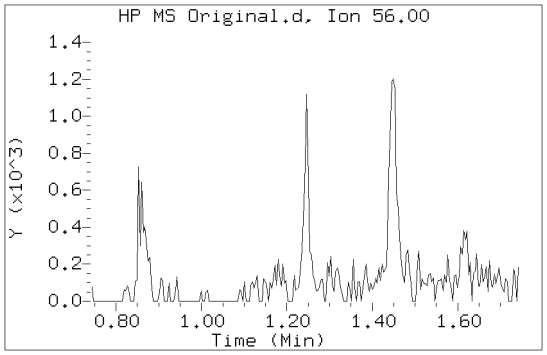
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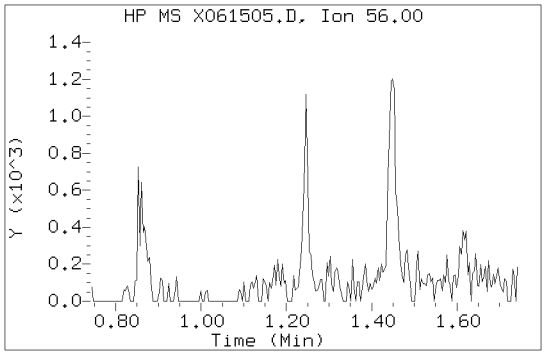
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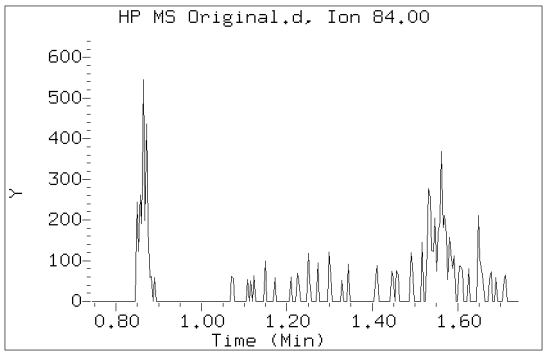
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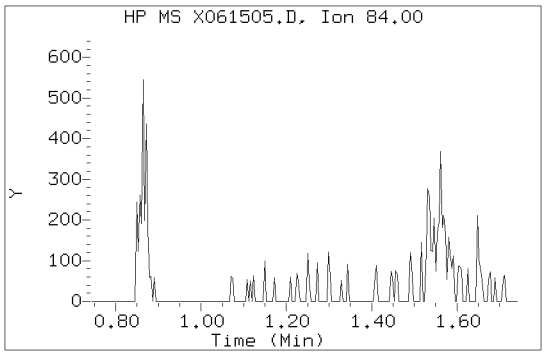
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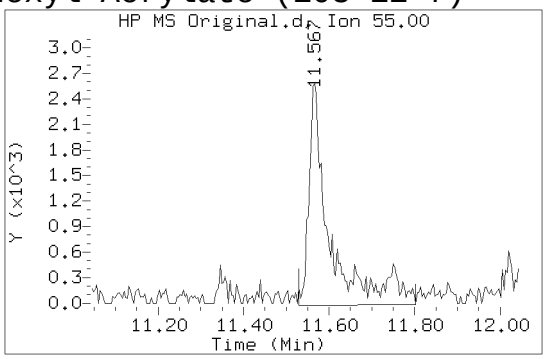
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Inj Date : 15-JUN-2023 12:39
InstruID : voa6.i
LabSampID : VSTD002

2-Ethylhexyl Acrylate (103-11-7)

Reason Code:

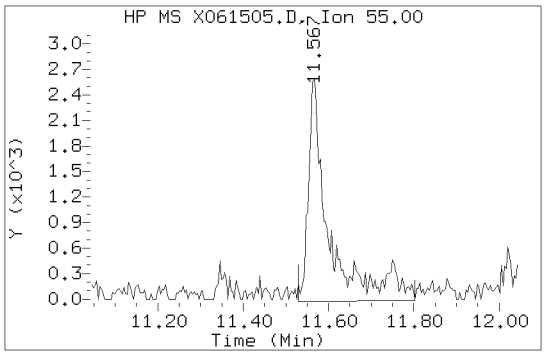
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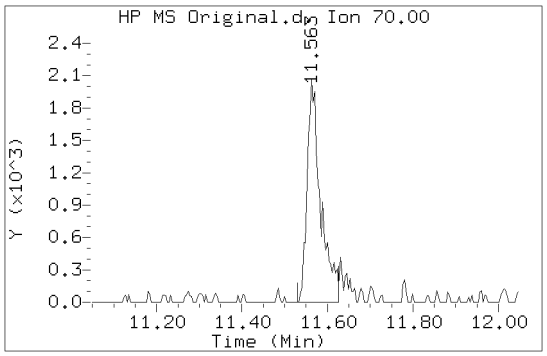
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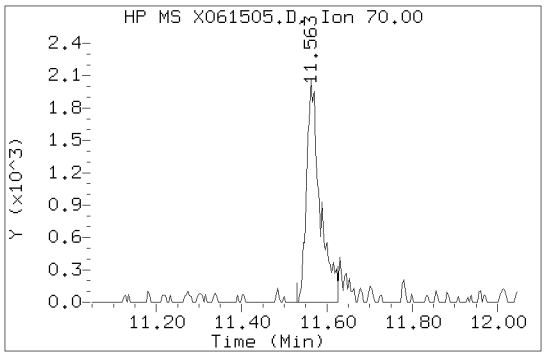
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AFTER

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Data File: \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061506.D Page 1
Report Date: 20-Jun-2023 18:25

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061506.D
Lab Smp Id: VSTD005 Client Smp ID: VSTD005
Inj Date : 15-JUN-2023 13:00
Operator : PC Inst ID: voa6.i
Smp Info : VSTD005;VSTD005;1;5;
Misc Info : V6;WATER;0;1;
Comment   :
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Meth Date : 20-Jun-2023 18:24 voa6.i Quant Type: ISTD
Cal Date : 15-JUN-2023 13:00 Cal File: X061506.D
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 00000_8260.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
* 1	Pentafluorobenzene	168	4.177	4.181	(1.000)	488017	50.0000	
2	Dichlorodifluoromethane	85	0.976	0.976	(0.234)	21019	5.00000	5.29
3	Chloromethane	50	1.081	1.081	(0.259)	25651	5.00000	5.89
4	Propionitrile	54	3.668	3.653	(0.878)	29713	50.0000	50.34(a)
5	Vinyl Chloride	62	1.145	1.149	(0.274)	23889	5.00000	4.66
6	Bromomethane	94	1.343	1.344	(0.322)	14528	5.00000	4.93(M)
7	Chloroethane	64	1.407	1.407	(0.337)	15374	5.00000	4.90
8	Trichlorofluoromethane	101	1.565	1.565	(0.375)	28710	5.00000	4.71
9	Acrolein	56	1.445	1.449	(0.346)	2991	10.0000	9.87(a)
10	Acetone	43	1.977	1.973	(0.473)	16276	10.0000	12.55
11	1,1-Dichloroethene	96	1.917	1.917	(0.459)	18352	5.00000	4.80
12	Isobutyl Alcohol	43	4.684	4.676	(1.121)	68348	100.000	107.41(a)
13	Acetonitrile	39	2.206	2.202	(0.528)	24760	50.0000	52.30(a)
14	Allyl Chloride	41	2.206	2.202	(0.528)	54361	5.00000	5.07(a)
15	Iodomethane	142	2.029	2.030	(0.486)	43988	10.0000	9.17
16	Acrylonitrile	53	2.554	2.536	(0.611)	15118	10.0000	9.75(M)
17	Methylene Chloride	84	2.307	2.307	(0.552)	29661	5.00000	5.49
18	Methyl tert-butyl ether	73	2.536	2.536	(0.607)	67305	5.00000	5.04
19	Carbon Disulfide	76	2.071	2.071	(0.496)	128049	10.0000	9.41
20	trans-1,2-Dichloroethene	96	2.536	2.532	(0.607)	21908	5.00000	4.79
21	Vinyl Acetate	43	3.008	2.997	(0.720)	127281	10.0000	10.43

22 1,1-Dichloroethane	63	2.925	2.922 (0.700)	39888	5.00000	4.84
23 Chloroprene	53	1.778	1.775 (0.426)	7954	5.00000	4.90(aM)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
24	2-Butanone	43	3.608	3.578	(0.864)	13344	10.0000	8.30(M)
25	Methacrylonitrile	41	3.840	3.821	(0.919)	20054	5.00000	4.98(aH)
26	2,2-Dichloropropane	77	3.514	3.514	(0.841)	33630	5.00000	5.17
27	cis-1,2-Dichloroethene	96	3.529	3.525	(0.845)	25475	5.00000	4.83
28	Chloroform	83	3.908	3.904	(0.935)	43843	5.00000	4.94
29	Bromochloromethane	128	3.799	3.795	(0.909)	14035	5.00000	4.99
$ 30	Dibromofluoromethane	113	4.106	4.099	(0.983)	25267	5.00000	5.49
31	1,1,1-Trichloroethane	97	4.080	4.084	(0.977)	33298	5.00000	4.64
32	1,1-Dichloropropene	75	4.282	4.279	(0.863)	31057	5.00000	4.91
33	1,2-Dichloroethane	62	4.560	4.556	(0.918)	31372	5.00000	4.95
34	Carbon Tetrachloride	117	4.267	4.264	(0.860)	28746	5.00000	4.73
$ 35	1,2-Dichloroethane-d4	65	4.474	4.470	(1.071)	26822	5.00000	4.94
* 36	1,4-Difluorobenzene	114	4.965	4.965	(1.000)	753771	50.0000	
37	Benzene	78	4.515	4.511	(0.909)	91696	5.00000	4.72
38	Trichloroethene	130	5.212	5.205	(1.050)	26143	5.00000	4.89(a)
39	Bromodichloromethane	83	5.729	5.722	(1.154)	32837	5.00000	4.78(a)
40	Methyl Methacrylate	41	5.617	5.606	(1.345)	18034	5.00000	4.77(a)
41	2-Chloroethylvinyl ether	63	6.059	6.048	(1.220)	18326	10.0000	9.87(a)
42	1,2-Dichloropropane	63	5.441	5.437	(1.096)	25417	5.00000	4.99(a)
43	2-Nitropropane	43	5.973	5.966	(1.430)	6797	5.00000	5.16(MH)
44	Dibromomethane	93	5.553	5.550	(1.119)	15838	5.00000	4.95(a)
45	4-Methyl-2-Pentanone	43	6.329	6.322	(0.825)	47063	10.0000	10.43
46	cis-1,3-Dichloropropene	75	6.160	6.153	(1.241)	41389	5.00000	4.89(a)
* 47	Chlorobenzene-d5	117	7.667	7.668	(1.000)	697950	50.0000	
$ 48	Toluene-d8	98	6.389	6.386	(0.833)	86700	5.00000	4.91(a)
49	Ethyl Methacrylate	69	6.712	6.708	(1.352)	28839	5.00000	5.33(a)
50	Toluene	91	6.449	6.445	(0.841)	96484	5.00000	4.70(a)
51	trans-1,3-Dichloropropene	75	6.689	6.678	(1.347)	33242	5.00000	4.69(a)
52	2-Hexanone	43	7.094	7.083	(0.925)	31781	10.0000	10.55
53	1,1,2-Trichloroethane	83	6.843	6.835	(0.892)	20225	5.00000	5.06
54	1,3-Dichloropropane	76	6.985	6.978	(0.911)	40289	5.00000	4.99(a)
55	Dibromochloromethane	129	7.176	7.173	(0.936)	26465	5.00000	4.67(a)
56	Tetrachloroethene	164	6.925	6.925	(0.903)	20894	5.00000	4.95(a)
57	1,2-Dibromoethane	107	7.263	7.259	(0.947)	25353	5.00000	4.96(a)
58	1-Chlorohexane	55	7.694	7.694	(1.550)	22997	5.00000	5.01
59	Chlorobenzene	112	7.694	7.690	(1.003)	68862	5.00000	4.91(a)
60	1,1,1,2-Tetrachloroethane	131	7.776	7.773	(1.014)	25167	5.00000	4.81(a)
61	Ethylbenzene	106	7.799	7.799	(1.017)	34698	5.00000	4.80(a)
62	m,p-Xylenes	106	7.907	7.900	(1.031)	89258	10.0000	10.02
63	o-Xylene	106	8.241	8.237	(1.075)	43406	5.00000	4.88(a)
64	Styrene	104	8.263	8.256	(1.078)	70501	5.00000	4.81(a)
66	Bromoform	173	8.413	8.410	(1.097)	18603	5.00000	4.71(a)
67	Isopropylbenzene	105	8.560	8.560	(1.116)	105918	5.00000	4.82(a)
68	1,1,2,2-Tetrachloroethane	83	8.841	8.837	(0.915)	34471	5.00000	5.14
$ 69	4-Bromofluorobenzene	95	8.691	8.687	(1.133)	37968	5.00000	5.09
* 70	1,4-Dichlorobenzene-d4	152	9.662	9.658	(1.000)	381050	50.0000	
71	1,2,3-Trichloropropane	75	8.863	8.863	(0.917)	24647	5.00000	5.12
72	trans-1,4-Dichloro-2-butene	53	8.893	8.886	(1.160)	8239	5.00000	4.84(a)
73	n-Propylbenzene	91	8.912	8.908	(0.922)	122140	5.00000	4.87(a)
74	Bromobenzene	156	8.807	8.803	(0.912)	30648	5.00000	4.93(a)
75	1,3,5-Trimethylbenzene	105	9.069	9.066	(0.939)	88359	5.00000	4.80(a)
76	2-Chlorotoluene	91	8.976	8.972	(0.929)	80274	5.00000	5.04

77	4-Chlorotoluene	91	9.073	9.070 (0.939)	88105	5.00000	4.96(a)
78	tert-Butylbenzene	119	9.336	9.336 (0.966)	74954	5.00000	4.88(a)

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061506.D Page 3
Report Date: 20-Jun-2023 18:25

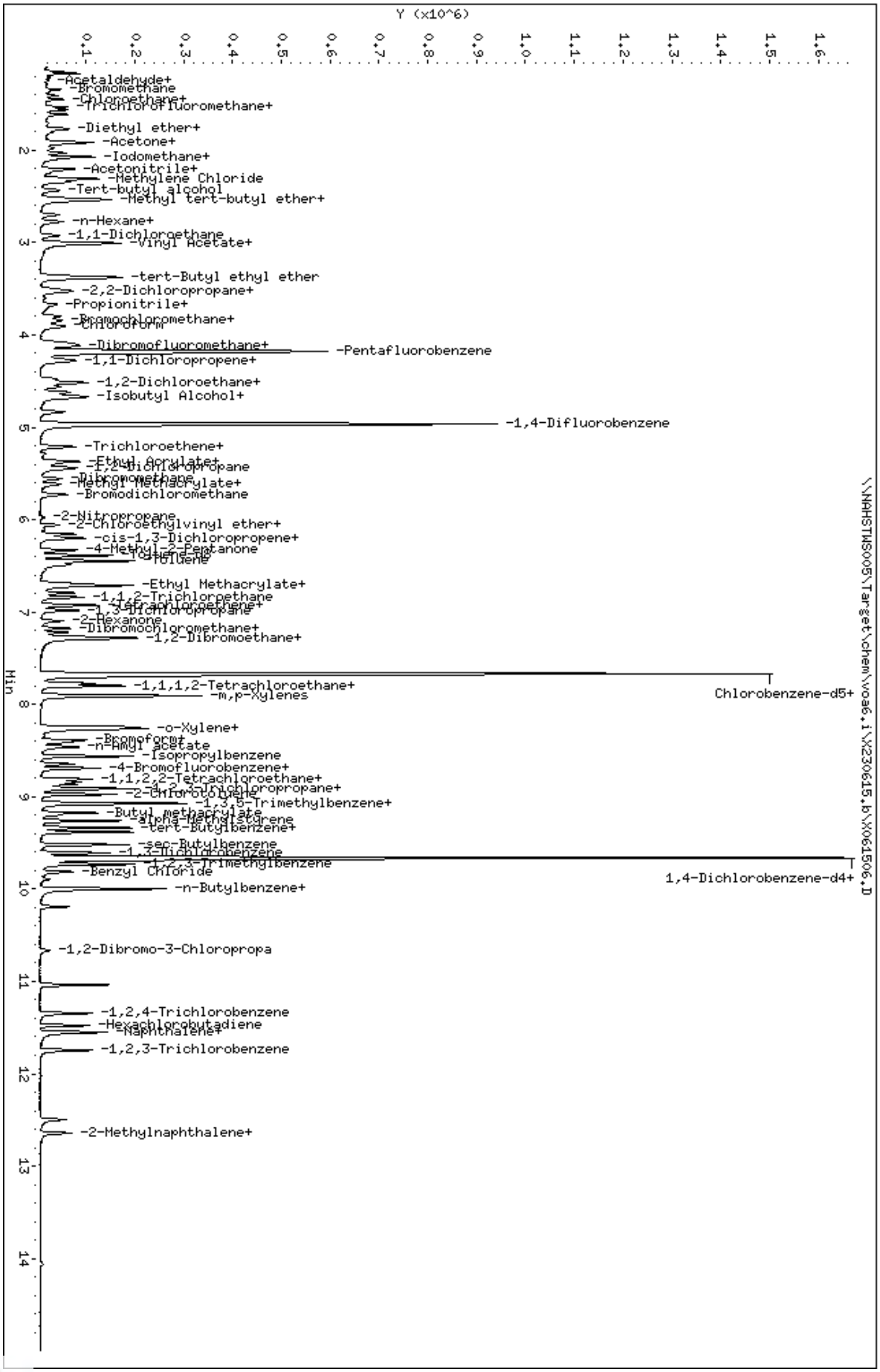
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
79	1,2,4-Trimethylbenzene	105	9.381	9.377	(0.971)	89491	5.00000	4.82(a)
81	sec-Butylbenzene	105	9.519	9.519	(0.985)	104715	5.00000	4.84(a)
82	p-Isopropyltoluene	119	9.650	9.647	(0.999)	91749	5.00000	4.84(a)
83	1,3-Dichlorobenzene	146	9.605	9.602	(0.994)	53191	5.00000	4.81(a)
84	1,4-Dichlorobenzene	146	9.684	9.681	(1.002)	56357	5.00000	4.76(a)
86	Benzyl Chloride	91	9.812	9.808	(1.280)	46695	5.00000	4.05(a)
87	n-Butylbenzene	91	9.999	9.992	(1.035)	79292	5.00000	4.91(a)
88	1,2-Dichlorobenzene	146	9.995	9.992	(1.035)	53221	5.00000	4.85(a)
89	1,2-Dibromo-3-Chloropropane	155	10.663	10.655	(1.104)	5689	5.00000	5.43
90	1,2,4-Trichlorobenzene	180	11.345	11.334	(1.174)	35696	5.00000	4.67(a)
91	Hexachlorobutadiene	225	11.476	11.476	(1.188)	16766	5.00000	4.89(a)
92	Naphthalene	128	11.547	11.540	(1.195)	82000	5.00000	4.77(a)
93	1,2,3-Trichlorobenzene	180	11.746	11.739	(1.216)	33399	5.00000	4.75(a)
146	Methyl acetate	43	2.243	2.232	(0.537)	13585	5.00000	4.70(a)
138	Freon TF	101	1.917	1.917	(0.459)	18080	5.00000	5.43
141	Cyclohexane	56	4.121	4.121	(0.987)	29352	5.00000	4.71(aH)
142	Tetrahydrofuran	42	3.855	3.844	(0.923)	6773	10.0000	9.52
147	Methylcyclohexane	55	5.396	5.381	(1.087)	52494	5.00000	4.98(aM)
135	1,4-Dioxane	88	5.606	5.598	(1.342)	5975	100.000	101.02
132	n-Butanol	56	5.287	5.253	(1.266)	8163	100.000	124.96(aM)
131	Methyl Acrylate	55	3.716	3.690	(0.890)	16619	5.00000	4.20(a)
133	Ethyl Acrylate	55	5.396	5.381	(1.292)	39998	5.00000	5.82(M)
136	n-Hexane	57	2.775	2.776	(0.664)	23971	5.00000	5.42
139	Diethyl ether	59	1.760	1.760	(0.421)	15277	5.00000	4.99(a)
148	Tert-butyl alcohol	59	2.434	2.431	(0.583)	50993	100.000	101.75
149	Isopropyl alcohol	45	2.101	2.093	(0.503)	26563	100.000	96.02(T)
156	Diisopropyl ether	45	3.004	3.000	(0.719)	71238	5.00000	4.94(Ta)
160	2-Methylnaphthalene	142	12.642	12.634	(1.308)	35100	5.00000	4.66
166	1,2,3-Trimethylbenzene	105	9.733	9.729	(1.007)	90660	5.00000	5.00
167	Ethanol	45	1.711	1.707	(0.410)	5165	100.000	110.73
172	tert-Butyl formate	59	4.620	4.612	(1.106)	41840	10.0000	10.41
173	3,3-Dimethyl-1-butanol	57	7.289	7.285	(0.951)	59619	100.000	104.43
174	tert-Amyl methyl ether	73	4.669	4.665	(1.118)	78074	5.00000	4.98(a)
175	tert-Butyl ethyl ether	59	3.379	3.379	(0.809)	71669	5.00000	4.81(a)
176	tert-Amyl alcohol	59	4.620	4.612	(1.106)	41840	100.000	102.06
151	4-Methyl-2-pentanol	45	6.712	6.708	(1.352)	125924	100.000	105.05(M)
180	1-Methylnaphthalene	142	12.642	12.634	(1.308)	35100	5.00000	(a)
140	1,3-Butadiene	54	1.167	1.167	(0.280)	18461	5.00000	4.56(a)
152	Amyl alcohol	42	6.918	6.899	(0.902)	10877	100.000	83.64(M)
158	Dichlorofluoromethane	67	1.535	1.535	(0.367)	33935	5.00000	4.83
159	Propylene oxide	43	1.805	1.805	(0.432)	4141	10.0000	9.57
161	3-Methyl-1-butanol	55	6.921	6.899	(0.903)	10033	100.000	107.44
162	Butyl acrylate	55	8.260	8.249	(1.077)	48821	5.00000	5.22
163	Butyl methacrylate	41	9.174	9.167	(0.950)	33077	5.00000	5.16
164	Dicyclopentadiene	66	9.680	9.681	(1.002)	112719	5.00000	5.28
182	Epichlorohydrin	57	6.104	6.093	(1.230)	8423	20.0000	18.68
M 94	1,2-Dichloroethylene (total)	96				47383	10.0000	(a)
130	Ethyl Acetate	43	3.668	3.657	(0.878)	25843	5.00000	5.19(T)
134	Cyclohexanone	55	8.646	8.642	(0.895)	24566	100.000	102.53(a)
185	Isoprene	39	1.771	1.775	(0.424)	5765	5.00000	4.34(a)
188	Isopropyl acetate	43	4.684	4.676	(0.943)	68348	5.00000	5.25
187	n-Amyl acetate	43	8.462	8.451	(1.104)	46339	5.00000	4.95(a)

189 n-Butyl acetate	43	7.221	7.210 (0.942)	38984	5.00000	5.21(H)
150 Allyl alcohol	57	2.775	2.772 (0.664)	23971	100.000	107.32

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
194 Acetaldehyde	44	1.216	1.216	(0.291)	6656	20.0000	22.91(M)
195 Methyl Amyl Ketone	43	8.387	8.380	(1.094)	52850	5.00000	5.14
200 Dimethyl Disulfide	94	6.198	6.194	(0.808)	50470	5.00000	4.87(a)
202 Isobutylene	41	1.242	1.242	(0.297)	2239	5.00000	4.79(aM)
205 2-Ethylhexyl Acrylate	55	11.551	11.544	(1.196)	25308	5.00000	4.76(aM)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.



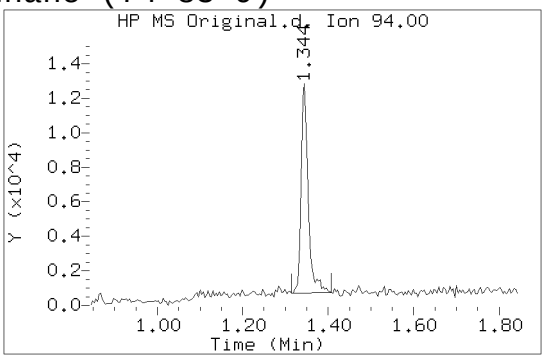
Data File: \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061506.D
Date : 15-JUN-2023 13:00
Client ID: VSTD005
Sample Info: VSTD005;VSTD005;1;5;
Purge Volume: 5.0
Column phase: DB624

Instrument: voa6.i
Operator: PC
Column diameter: 0.18

Data File : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061506.D
Inj Date : 15-JUN-2023 13:00
InstruID : voa6.i
LabSampID : VSTD005

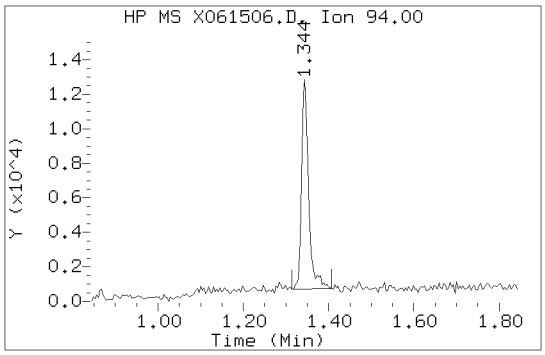
Bromomethane (74-83-9)

BEFORE
MASS
94
AREA
14528
HEIGHT
12133
20-Jun-2023
18:22
linh
pham

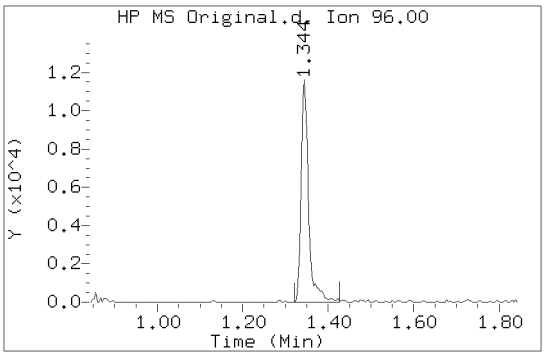


Reason Code:

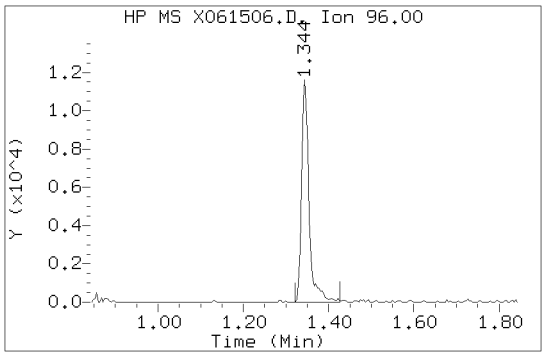
AFTER
MASS
94
AREA
14528
HEIGHT
12133
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
96
AREA
14677
HEIGHT
11611
20-Jun-2023
18:22
linh
pham



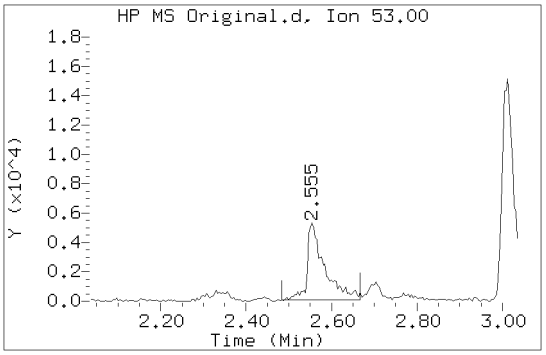
AFTER
MASS
96
AREA
14677
HEIGHT
11611
20-Jun-2023
18:22
linh
pham



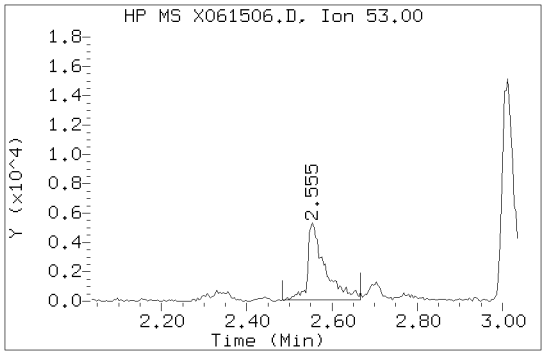
Acrylonitrile (107-13-1)

Reason Code:

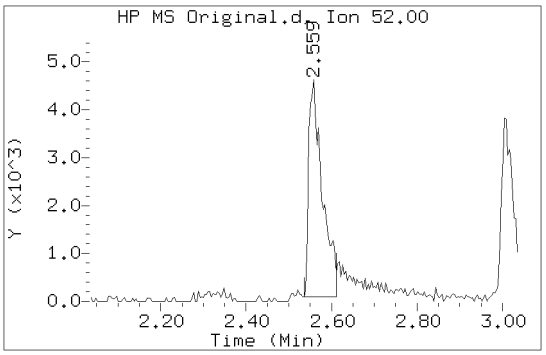
BEFORE
MASS
53
AREA
15118
HEIGHT
5292
20-Jun-2023
18:22
linh
pham



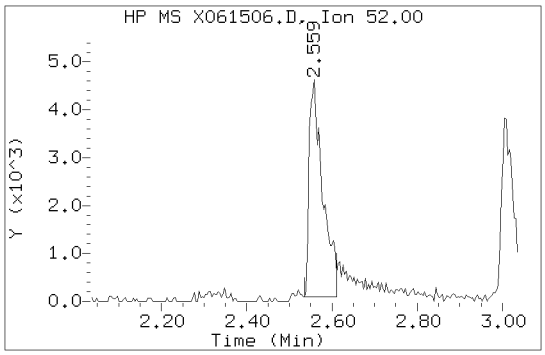
AFTER
MASS
53
AREA
15118
HEIGHT
5292
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
52
AREA
9980
HEIGHT
4535
20-Jun-2023
18:22
linh
pham



AFTER
MASS
52
AREA
9980
HEIGHT
4535
20-Jun-2023
18:22
linh
pham

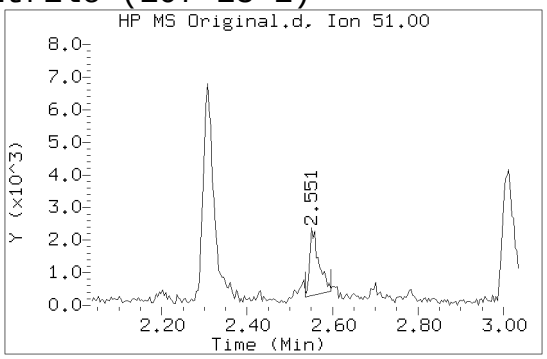


Data File : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061506.D
Inj Date : 15-JUN-2023 13:00
InstruID : voa6.i
LabSampID : VSTD005

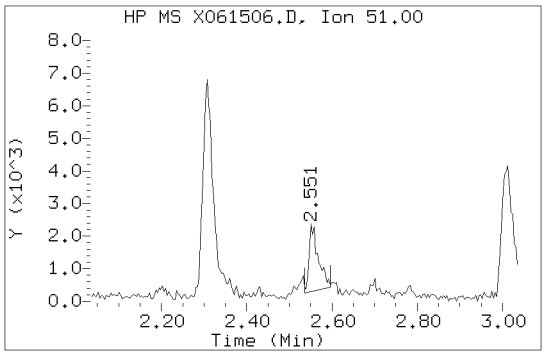
Acrylonitrile (107-13-1)

Reason Code:

BEFORE
MASS
51
AREA
3090
HEIGHT
2079
20-Jun-2023
18:22
linh
pham



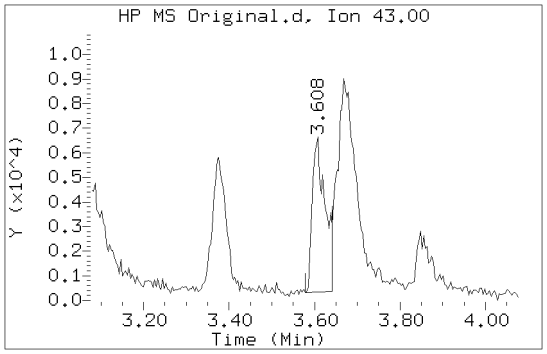
AFTER
MASS
51
AREA
3090
HEIGHT
2079
20-Jun-2023
18:22
linh
pham



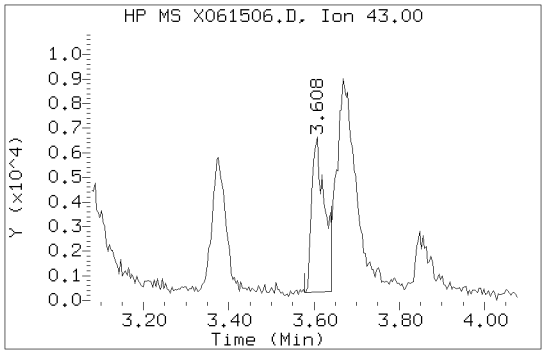
2-Butanone (78-93-3)

Reason Code:

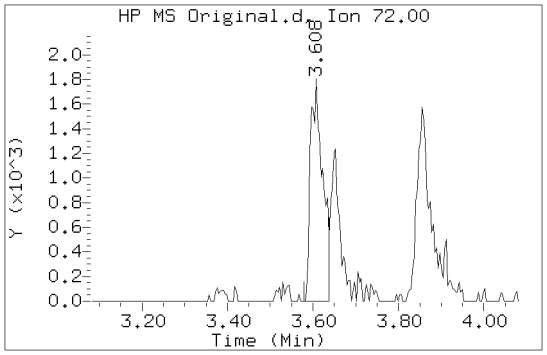
BEFORE
MASS
43
AREA
13344
HEIGHT
6305
20-Jun-2023
18:22
linh
pham



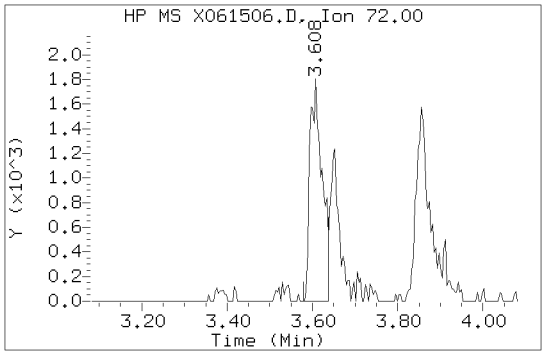
AFTER
MASS
43
AREA
13344
HEIGHT
6305
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
72
AREA
3589
HEIGHT
1804
20-Jun-2023
18:22
linh
pham



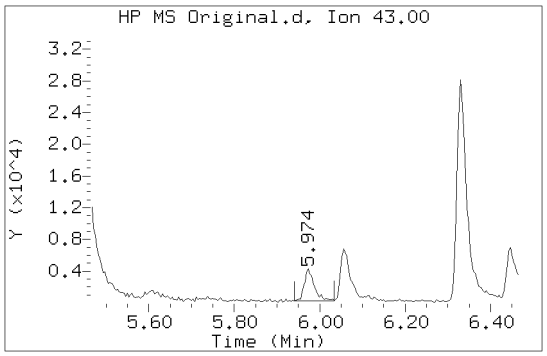
AFTER
MASS
72
AREA
3589
HEIGHT
1804
20-Jun-2023
18:22
linh
pham



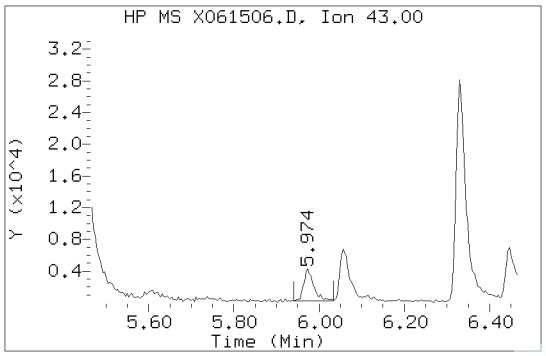
2-Nitropropane (79-46-9)

Reason Code:

BEFORE
MASS
43
AREA
6797
HEIGHT
4093
20-Jun-2023
18:22
linh
pham



AFTER
MASS
43
AREA
6797
HEIGHT
4093
20-Jun-2023
18:22
linh
pham



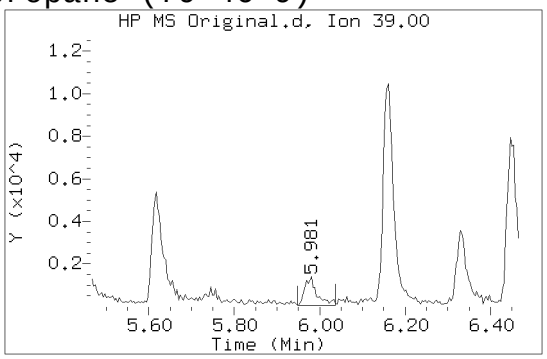
Data File : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061506.D
Inj Date : 15-JUN-2023 13:00
InstruID : voa6.i
LabSampID : VSTD005

2-Nitropropane (79-46-9)

Reason Code:

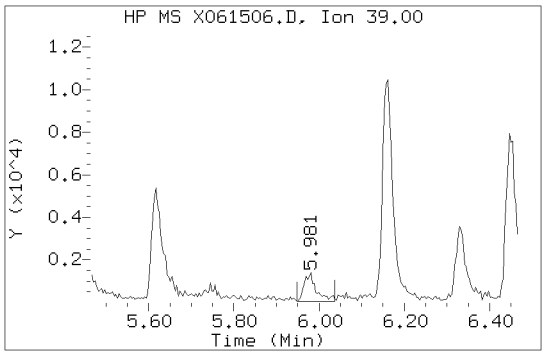
BEFORE

MASS
39
AREA
2672
HEIGHT
1366
20-Jun-2023
18:22
linh
pham



AFTER

MASS
39
AREA
2672
HEIGHT
1366
20-Jun-2023
18:22
linh
pham

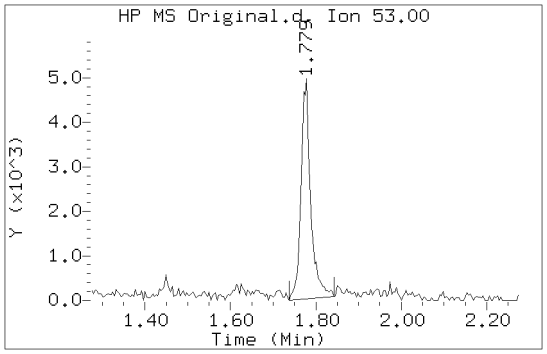


Chloroprene (126-99-8)

Reason Code:

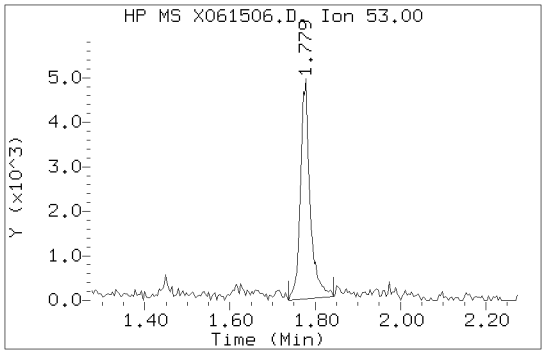
BEFORE

MASS
53
AREA
7954
HEIGHT
4945
20-Jun-2023
18:22
linh
pham



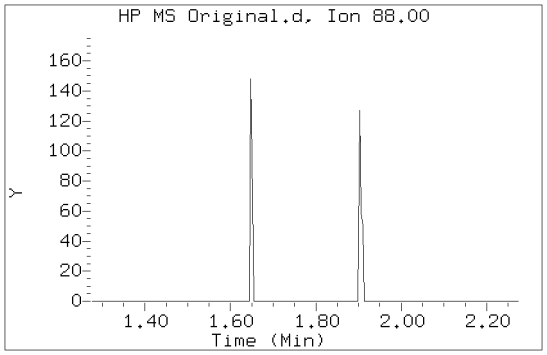
AFTER

MASS
53
AREA
7954
HEIGHT
4945
20-Jun-2023
18:22
linh
pham



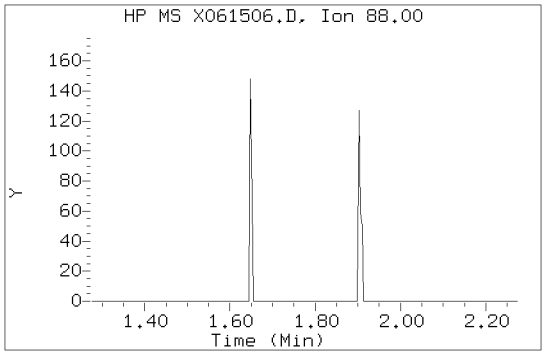
BEFORE

MASS
88
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham



AFTER

MASS
88
AREA
0
HEIGHT
0
20-Jun-2023
18:22
linh
pham

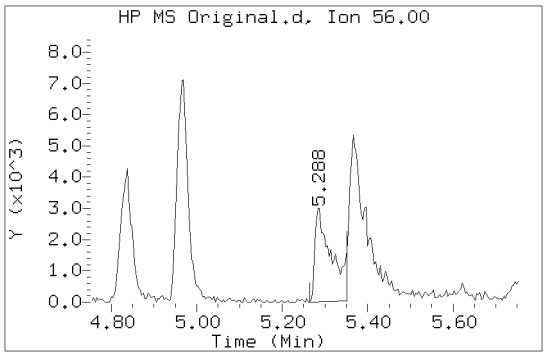


n-Butanol (71-36-3)

Reason Code:

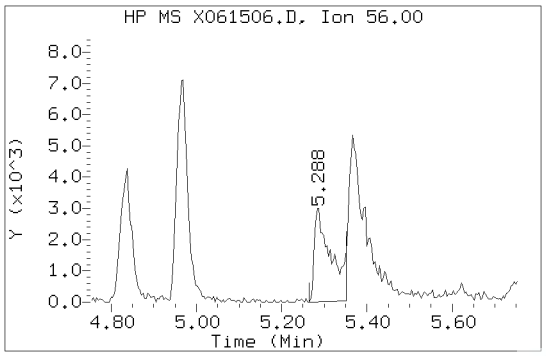
BEFORE

MASS
56
AREA
8163
HEIGHT
2995
20-Jun-2023
18:22
linh
pham



AFTER

MASS
56
AREA
8163
HEIGHT
2995
20-Jun-2023
18:22
linh
pham



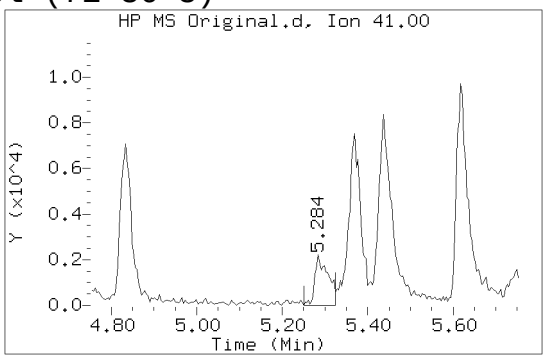
Data File : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061506.D
Inj Date : 15-JUN-2023 13:00
InstruID : voa6.i
LabSampID : VSTD005

n-Butanol (71-36-3)

Reason Code:

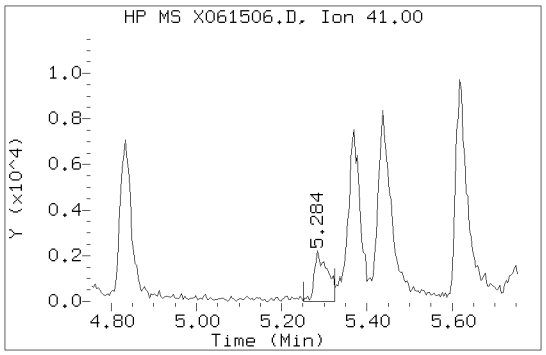
BEFORE

MASS
41
AREA
4755
HEIGHT
2223
20-Jun-2023
18:22
linh
pham



AFTER

MASS
41
AREA
4755
HEIGHT
2223
20-Jun-2023
18:22
linh
pham

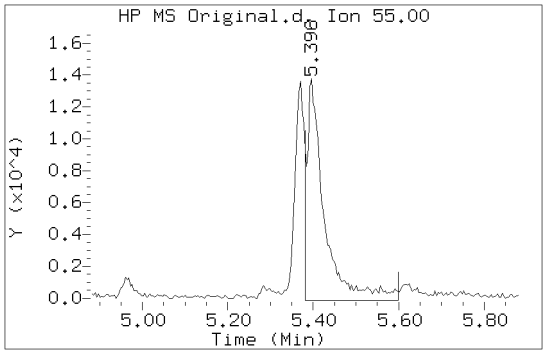


Ethyl Acrylate (140-88-5)

Reason Code:

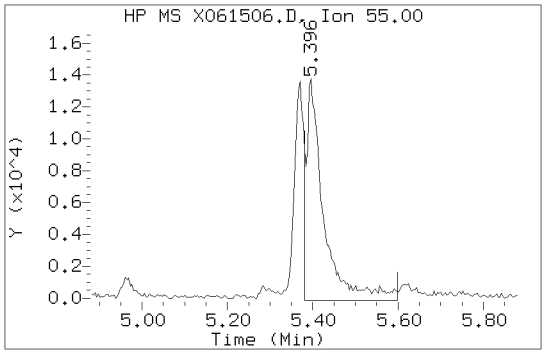
BEFORE

MASS
55
AREA
39998
HEIGHT
13904
20-Jun-2023
18:22
linh
pham



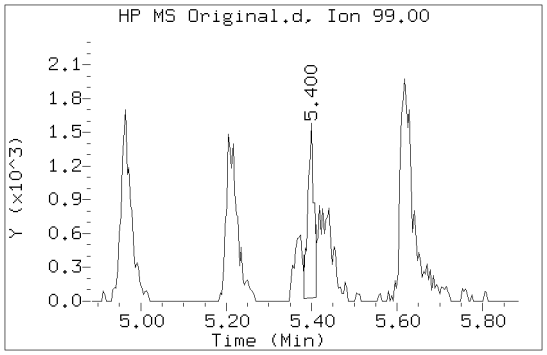
AFTER

MASS
55
AREA
39998
HEIGHT
13904
20-Jun-2023
18:22
linh
pham



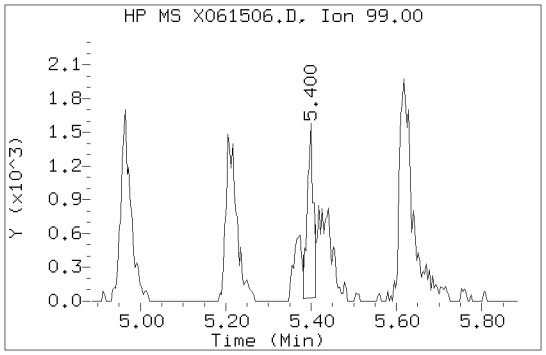
BEFORE

MASS
99
AREA
1584
HEIGHT
1553
20-Jun-2023
18:22
linh
pham



AFTER

MASS
99
AREA
1584
HEIGHT
1553
20-Jun-2023
18:22
linh
pham

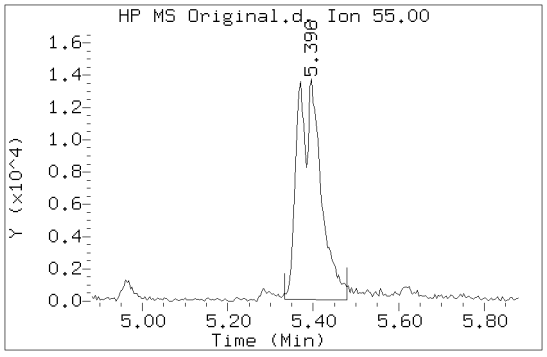


Methylcyclohexane (108-87-2)

Reason Code:

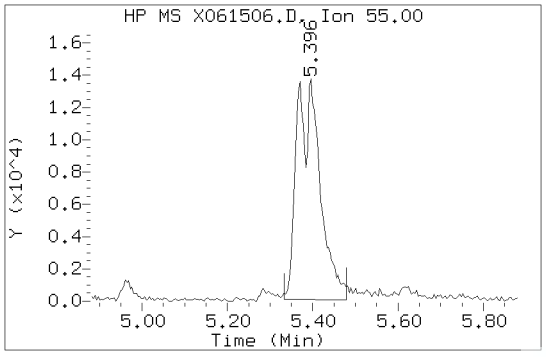
BEFORE

MASS
55
AREA
52494
HEIGHT
13657
20-Jun-2023
18:22
linh
pham



AFTER

MASS
55
AREA
52494
HEIGHT
13657
20-Jun-2023
18:22
linh
pham

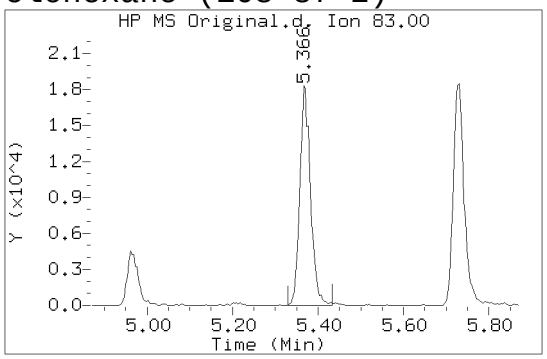


Data File : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061506.D
Inj Date : 15-JUN-2023 13:00
InstruID : voa6.i
LabSampID : VSTD005

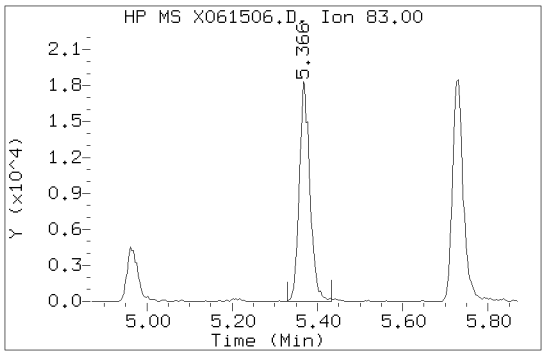
Methylcyclohexane (108-87-2)

Reason Code:

BEFORE
MASS
83
AREA
32433
HEIGHT
18360
20-Jun-2023
18:22
linh
pham



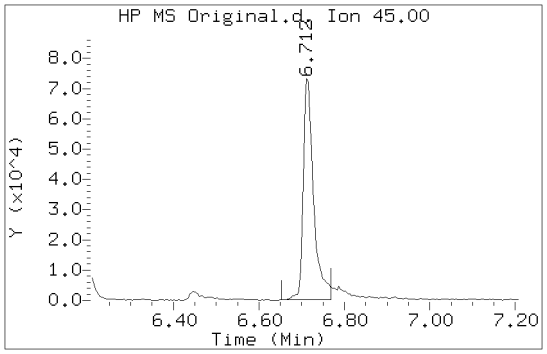
AFTER
MASS
83
AREA
32433
HEIGHT
18360
20-Jun-2023
18:22
linh
pham



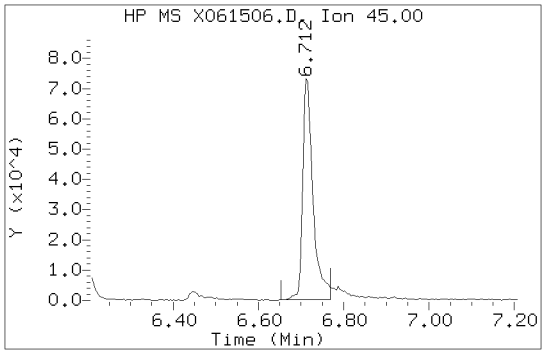
4-Methyl-2-pentanol (108-11-2)

Reason Code:

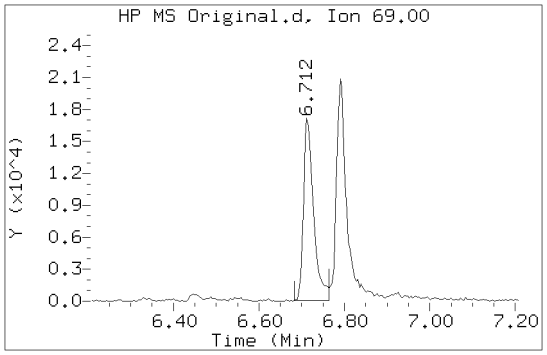
BEFORE
MASS
45
AREA
125924
HEIGHT
73043
20-Jun-2023
18:22
linh
pham



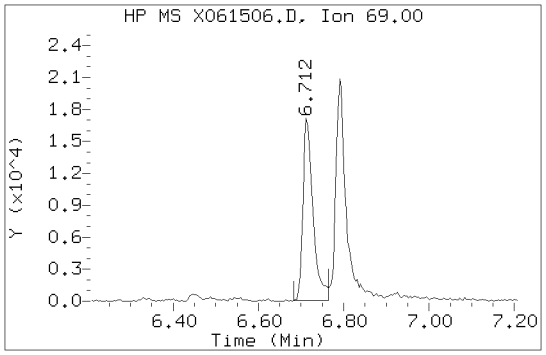
AFTER
MASS
45
AREA
125924
HEIGHT
73043
20-Jun-2023
18:22
linh
pham



BEFORE
MASS
69
AREA
28757
HEIGHT
17156
20-Jun-2023
18:22
linh
pham



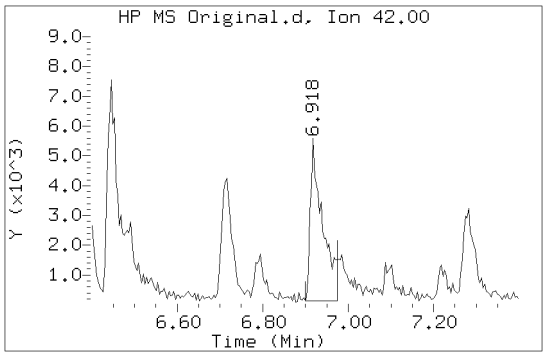
AFTER
MASS
69
AREA
28757
HEIGHT
17156
20-Jun-2023
18:22
linh
pham



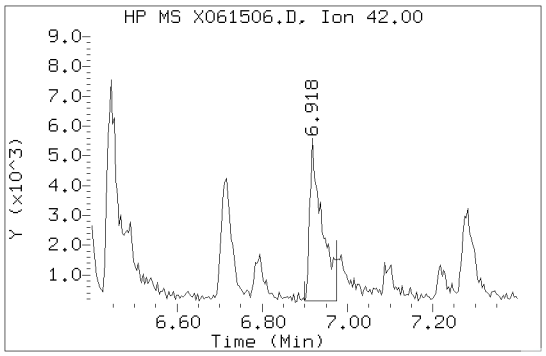
Amyl alcohol (71-41-0)

Reason Code:

BEFORE
MASS
42
AREA
10877
HEIGHT
5451
20-Jun-2023
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AFTER
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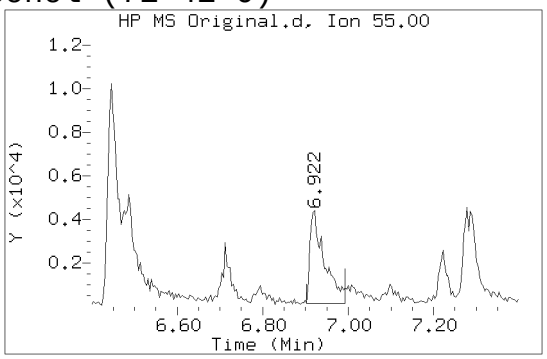


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InstruID : voa6.i
LabSampID : VSTD005

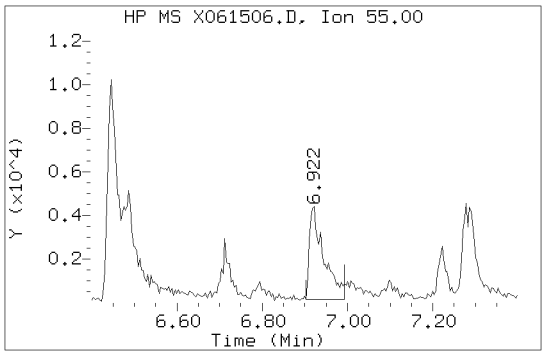
Amyl alcohol (71-41-0)

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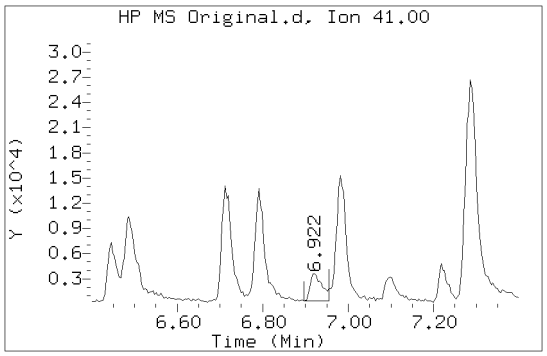
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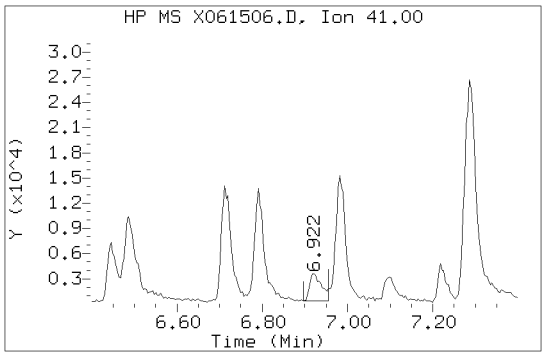
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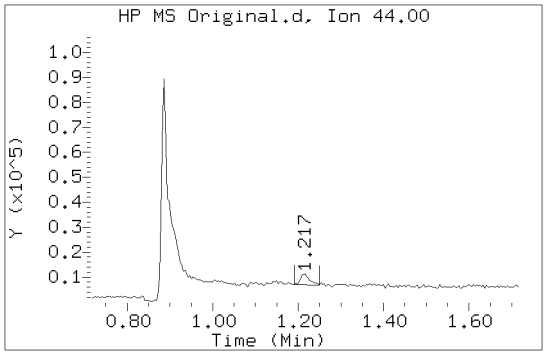
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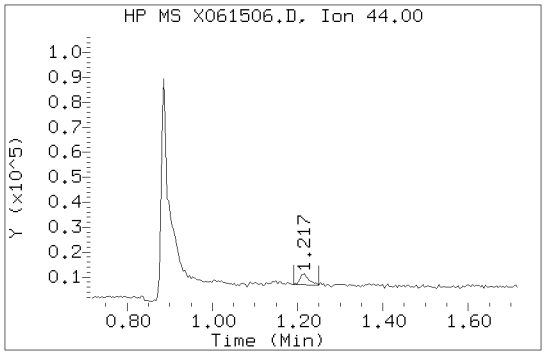
Acetaldehyde (75-07-0)

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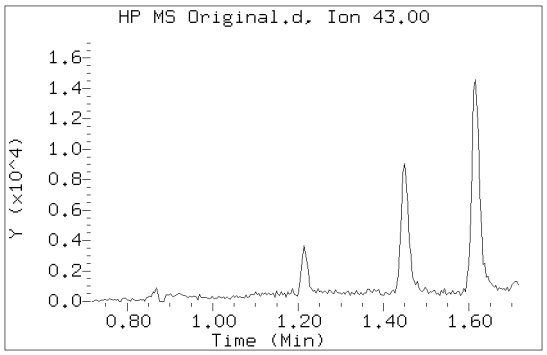
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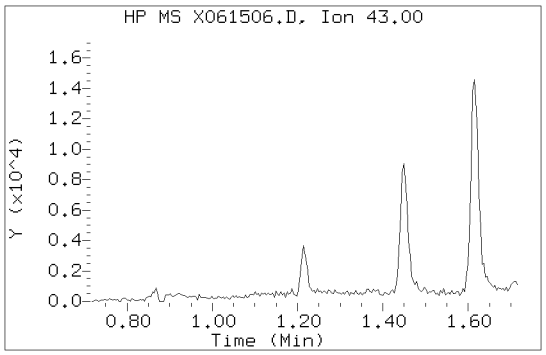
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BEFORE
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AREA
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HEIGHT
0
20-Jun-2023
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AFTER
MASS
43
AREA
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HEIGHT
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20-Jun-2023
18:22
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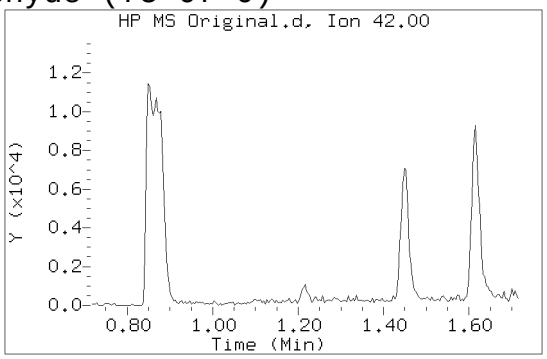
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Inj Date : 15-JUN-2023 13:00
InstruID : voa6.i
LabSampID : VSTD005

Acetaldehyde (75-07-0)

Reason Code:

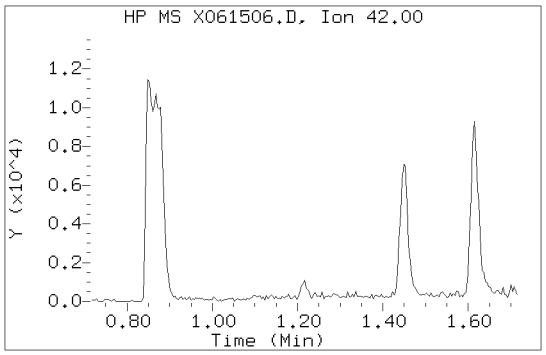
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AFTER

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20-Jun-2023
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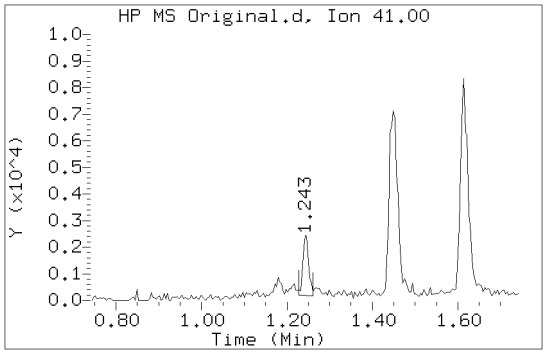


Isobutylene (115-11-7)

Reason Code:

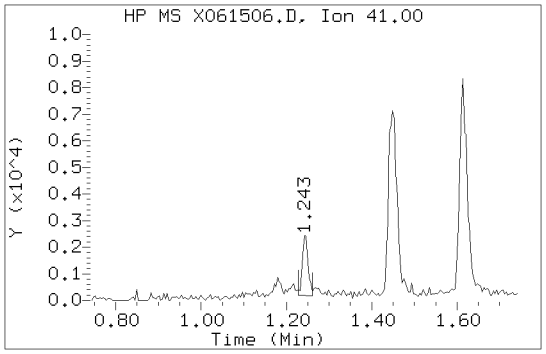
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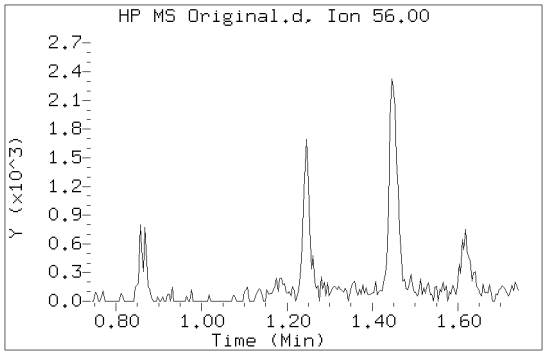
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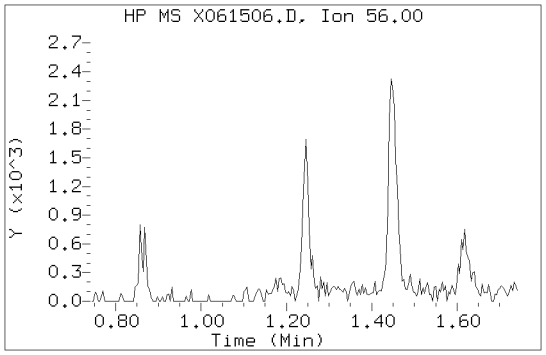
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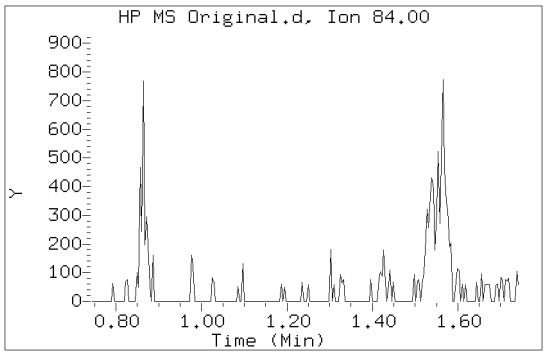
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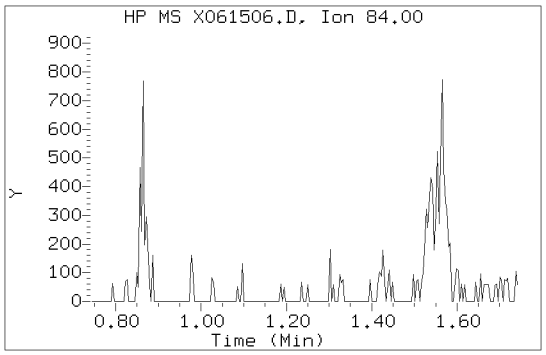
BEFORE

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20-Jun-2023
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AFTER

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20-Jun-2023
18:22
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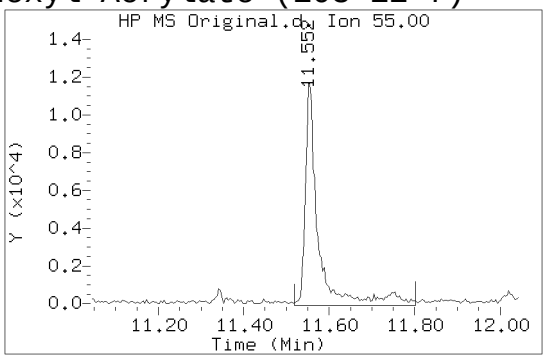
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Inj Date : 15-JUN-2023 13:00
InstruID : voa6.i
LabSampID : VSTD005

2-Ethylhexyl Acrylate (103-11-7)

Reason Code:

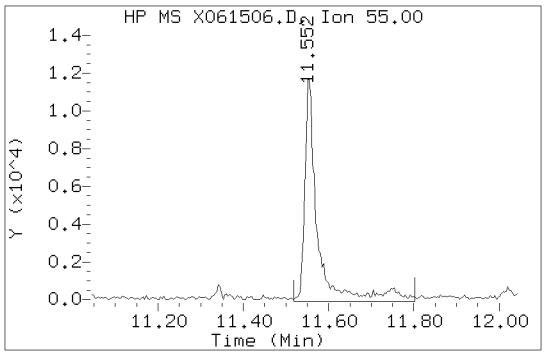
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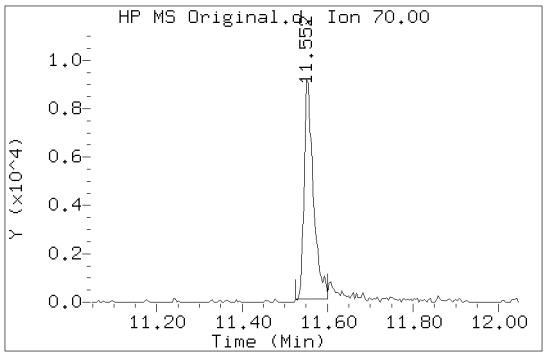
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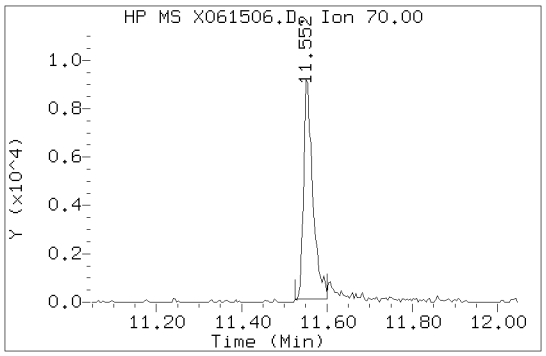
BEFORE

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9050
20-Jun-2023
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AFTER

MASS
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20-Jun-2023
18:22
linh
pham



Data File: \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061507.D Page 1
Report Date: 20-Jun-2023 18:25

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061507.D
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Inj Date : 15-JUN-2023 13:21
Operator : PC Inst ID: voa6.i
Smp Info : VSTD020;VSTD020;1;6;
Misc Info : V6;WATER;0;1;
Comment   :
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Meth Date : 20-Jun-2023 18:24 voa6.i Quant Type: ISTD
Cal Date : 15-JUN-2023 13:21 Cal File: X061507.D
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 00000_8260.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
* 1	Pentafluorobenzene	168	4.178	4.181	(1.000)	489657	50.0000	
2	Dichlorodifluoromethane	85	0.976	0.976	(0.234)	86585	20.0000	20.72
3	Chloromethane	50	1.081	1.081	(0.259)	97329	20.0000	19.44
4	Propionitrile	54	3.653	3.653	(0.874)	124537	200.000	210.30(a)
5	Vinyl Chloride	62	1.145	1.149	(0.274)	99862	20.0000	19.41
6	Bromomethane	94	1.344	1.344	(0.322)	54855	20.0000	18.58
7	Chloroethane	64	1.407	1.407	(0.337)	62269	20.0000	19.80
8	Trichlorofluoromethane	101	1.565	1.565	(0.375)	117479	20.0000	19.22
9	Acrolein	56	1.445	1.449	(0.346)	11716	40.0000	38.55
10	Acetone	43	1.977	1.973	(0.473)	54363	40.0000	42.42
11	1,1-Dichloroethene	96	1.917	1.917	(0.459)	72051	20.0000	18.79
12	Isobutyl Alcohol	43	4.676	4.676	(1.119)	270352	400.000	423.44(a)
13	Acetonitrile	39	2.202	2.202	(0.527)	94507	200.000	198.98(a)
14	Allyl Chloride	41	2.202	2.202	(0.527)	212180	20.0000	19.75(a)
15	Iodomethane	142	2.030	2.030	(0.486)	223261	40.0000	36.88
16	Acrylonitrile	53	2.539	2.536	(0.608)	63444	40.0000	40.81
17	Methylene Chloride	84	2.303	2.307	(0.551)	103912	20.0000	19.18
18	Methyl tert-butyl ether	73	2.536	2.536	(0.607)	262034	20.0000	19.58
19	Carbon Disulfide	76	2.071	2.071	(0.496)	517323	40.0000	37.89
20	trans-1,2-Dichloroethene	96	2.532	2.532	(0.606)	87737	20.0000	19.12
21	Vinyl Acetate	43	3.000	2.997	(0.718)	534964	40.0000	43.69

22 1,1-Dichloroethane	63	2.922	2.922 (0.699)	161028	20.0000	19.48
23 Chloroprene	53	1.775	1.775 (0.425)	30284	20.0000	18.60(M)

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061507.D Page 2
Report Date: 20-Jun-2023 18:25

			QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	24	2-Butanone	43	3.585	3.578	(0.858)	61551	40.0000	38.19
	25	Methacrylonitrile	41	3.829	3.821	(0.917)	80752	20.0000	19.98(aH)
	26	2,2-Dichloropropane	77	3.510	3.514	(0.840)	134641	20.0000	20.64
	27	cis-1,2-Dichloroethene	96	3.529	3.525	(0.845)	101910	20.0000	19.26
	28	Chloroform	83	3.908	3.904	(0.935)	168304	20.0000	18.92
	29	Bromochloromethane	128	3.795	3.795	(0.908)	53335	20.0000	18.92
$	30	Dibromofluoromethane	113	4.099	4.099	(0.981)	90715	20.0000	20.54
	31	1,1,1-Trichloroethane	97	4.084	4.084	(0.978)	137926	20.0000	19.18
	32	1,1-Dichloropropene	75	4.282	4.279	(0.863)	120835	20.0000	19.11
	33	1,2-Dichloroethane	62	4.556	4.556	(0.918)	124099	20.0000	19.58
	34	Carbon Tetrachloride	117	4.264	4.264	(0.859)	114389	20.0000	18.81
$	35	1,2-Dichloroethane-d4	65	4.474	4.470	(1.071)	99379	20.0000	20.55
*	36	1,4-Difluorobenzene	114	4.965	4.965	(1.000)	754600	50.0000	
	37	Benzene	78	4.511	4.511	(0.909)	373170	20.0000	19.22
	38	Trichloroethene	130	5.208	5.205	(1.049)	103081	20.0000	19.26
	39	Bromodichloromethane	83	5.726	5.722	(1.153)	130164	20.0000	18.95
	40	Methyl Methacrylate	41	5.606	5.606	(1.342)	77299	20.0000	20.39(a)
	41	2-Chloroethylvinyl ether	63	6.048	6.048	(1.218)	79598	40.0000	42.84
	42	1,2-Dichloropropane	63	5.433	5.437	(1.094)	100950	20.0000	19.81
	43	2-Nitropropane	43	5.969	5.966	(1.429)	26346	20.0000	19.96(H)
	44	Dibromomethane	93	5.550	5.550	(1.118)	63997	20.0000	20.00
	45	4-Methyl-2-Pentanone	43	6.325	6.322	(0.825)	193266	40.0000	42.28
	46	cis-1,3-Dichloropropene	75	6.153	6.153	(1.239)	164762	20.0000	19.46
*	47	Chlorobenzene-d5	117	7.667	7.668	(1.000)	707583	50.0000	
$	48	Toluene-d8	98	6.385	6.386	(0.833)	349010	20.0000	19.50
	49	Ethyl Methacrylate	69	6.708	6.708	(1.351)	110734	20.0000	20.47(a)
	50	Toluene	91	6.445	6.445	(0.841)	400928	20.0000	19.30
	51	trans-1,3-Dichloropropene	75	6.682	6.678	(1.346)	140752	20.0000	19.87
	52	2-Hexanone	43	7.086	7.083	(0.924)	134211	40.0000	43.95
	53	1,1,2-Trichloroethane	83	6.835	6.835	(0.891)	78488	20.0000	19.39
	54	1,3-Dichloropropane	76	6.981	6.978	(0.911)	163359	20.0000	19.96
	55	Dibromochloromethane	129	7.173	7.173	(0.935)	111592	20.0000	19.45
	56	Tetrachloroethene	164	6.925	6.925	(0.903)	80991	20.0000	18.95
	57	1,2-Dibromoethane	107	7.259	7.259	(0.947)	100177	20.0000	19.36
	58	1-Chlorohexane	55	7.694	7.694	(1.550)	89942	20.0000	19.59
	59	Chlorobenzene	112	7.694	7.690	(1.003)	272588	20.0000	19.17
	60	1,1,1,2-Tetrachloroethane	131	7.772	7.773	(1.014)	101037	20.0000	19.06
	61	Ethylbenzene	106	7.799	7.799	(1.017)	138944	20.0000	18.97
	62	m,p-Xylenes	106	7.904	7.900	(1.031)	349440	40.0000	38.69
	63	o-Xylene	106	8.241	8.237	(1.075)	172627	20.0000	19.15
	64	Styrene	104	8.260	8.256	(1.077)	290351	20.0000	19.56
	66	Bromoform	173	8.410	8.410	(1.097)	77639	20.0000	19.41
	67	Isopropylbenzene	105	8.560	8.560	(1.116)	418865	20.0000	18.80
	68	1,1,2,2-Tetrachloroethane	83	8.837	8.837	(0.915)	134456	20.0000	19.65
$	69	4-Bromofluorobenzene	95	8.687	8.687	(1.133)	139706	20.0000	19.90
*	70	1,4-Dichlorobenzene-d4	152	9.662	9.658	(1.000)	389124	50.0000	
	71	1,2,3-Trichloropropane	75	8.860	8.863	(0.917)	108010	20.0000	22.01
	72	trans-1,4-Dichloro-2-butene	53	8.886	8.886	(1.159)	35313	20.0000	20.50(a)
	73	n-Propylbenzene	91	8.912	8.908	(0.922)	504305	20.0000	19.69
	74	Bromobenzene	156	8.803	8.803	(0.911)	122207	20.0000	19.26
	75	1,3,5-Trimethylbenzene	105	9.066	9.066	(0.938)	365012	20.0000	19.42
	76	2-Chlorotoluene	91	8.972	8.972	(0.929)	315569	20.0000	19.40

77	4-Chlorotoluene	91	9.069	9.070 (0.939)	357516	20.0000	19.71
78	tert-Butylbenzene	119	9.332	9.336 (0.966)	303752	20.0000	19.40

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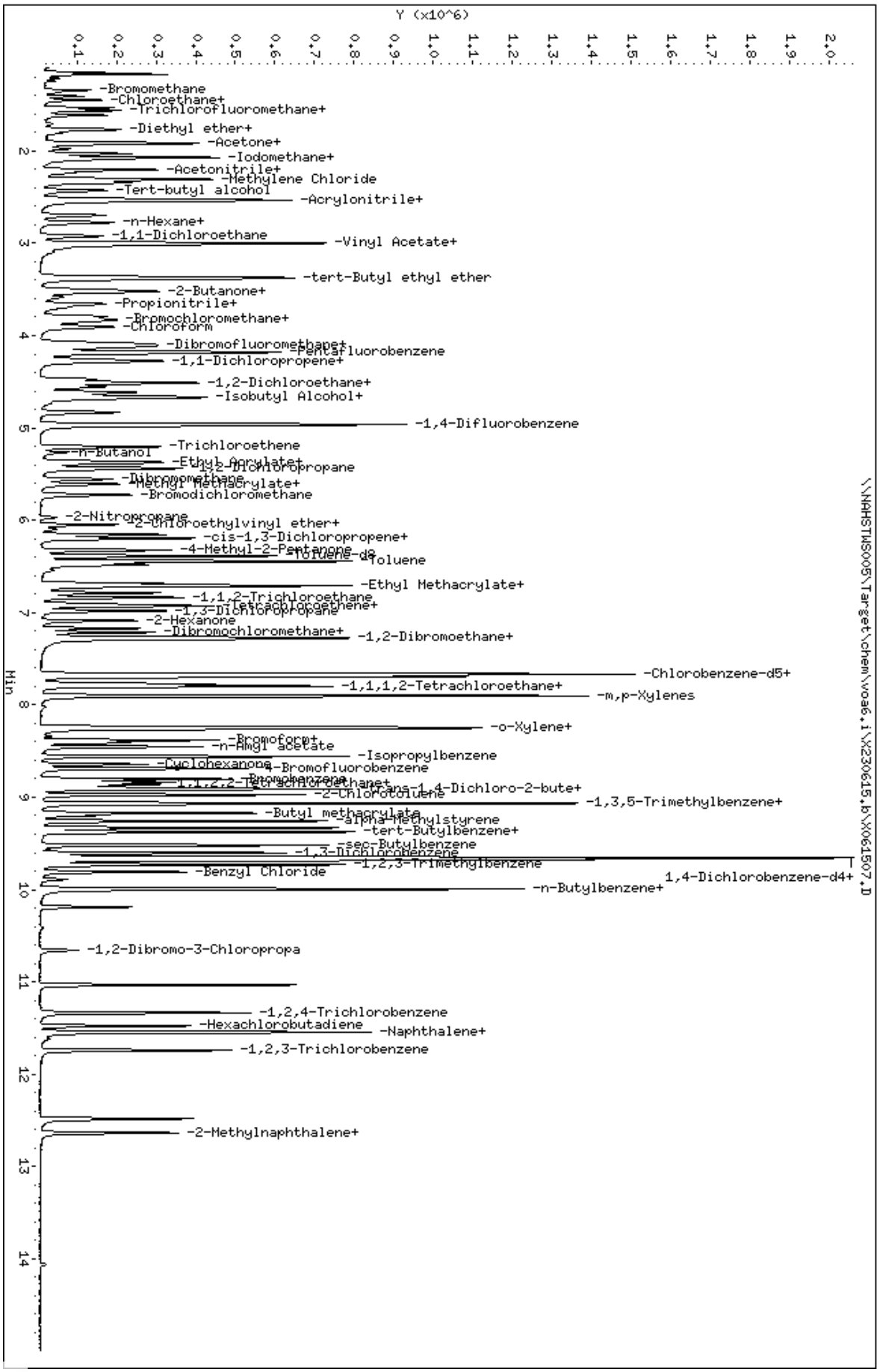
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
79	1,2,4-Trimethylbenzene	105	9.377	9.377	(0.971)	371444	20.0000	19.59
81	sec-Butylbenzene	105	9.519	9.519	(0.985)	419674	20.0000	19.00
82	p-Isopropyltoluene	119	9.647	9.647	(0.998)	375150	20.0000	19.40
83	1,3-Dichlorobenzene	146	9.602	9.602	(0.994)	218959	20.0000	19.38
84	1,4-Dichlorobenzene	146	9.681	9.681	(1.002)	232551	20.0000	19.23
86	Benzyl Chloride	91	9.808	9.808	(1.279)	224211	20.0000	19.18
87	n-Butylbenzene	91	9.995	9.992	(1.035)	329929	20.0000	20.04
88	1,2-Dichlorobenzene	146	9.992	9.992	(1.034)	219152	20.0000	19.55
89	1,2-Dibromo-3-Chloropropane	155	10.659	10.655	(1.103)	22086	20.0000	19.93
90	1,2,4-Trichlorobenzene	180	11.337	11.334	(1.173)	155839	20.0000	19.99
91	Hexachlorobutadiene	225	11.476	11.476	(1.188)	63742	20.0000	18.21
92	Naphthalene	128	11.544	11.540	(1.195)	366963	20.0000	20.91
93	1,2,3-Trichlorobenzene	180	11.742	11.739	(1.215)	143690	20.0000	20.03
146	Methyl acetate	43	2.236	2.232	(0.535)	60459	20.0000	20.86
138	Freon TF	101	1.917	1.917	(0.459)	69934	20.0000	20.78
141	Cyclohexane	56	4.121	4.121	(0.987)	118290	20.0000	18.95
142	Tetrahydrofuran	42	3.848	3.844	(0.921)	30075	40.0000	42.14
147	Methylcyclohexane	55	5.381	5.381	(1.084)	202443	20.0000	19.19(M)
135	1,4-Dioxane	88	5.598	5.598	(1.340)	23581	400.000	397.38
132	n-Butanol	56	5.261	5.253	(1.259)	42441	400.000	375.27(a)
131	Methyl Acrylate	55	3.694	3.690	(0.884)	81771	20.0000	20.61
133	Ethyl Acrylate	55	5.381	5.381	(1.288)	144388	20.0000	14.83(M)
136	n-Hexane	57	2.772	2.776	(0.664)	95375	20.0000	21.84
139	Diethyl ether	59	1.760	1.760	(0.421)	60650	20.0000	19.77
148	Tert-butyl alcohol	59	2.431	2.431	(0.582)	196347	400.000	390.48
149	Isopropyl alcohol	45	2.097	2.093	(0.502)	106653	400.000	384.27
156	Diisopropyl ether	45	3.000	3.000	(0.718)	281797	20.0000	19.51
160	2-Methylnaphthalene	142	12.638	12.634	(1.308)	157545	20.0000	20.51
166	1,2,3-Trimethylbenzene	105	9.729	9.729	(1.007)	360447	20.0000	19.48
167	Ethanol	45	1.707	1.707	(0.409)	18569	400.000	396.76
172	tert-Butyl formate	59	4.616	4.612	(1.105)	159552	40.0000	39.56
173	3,3-Dimethyl-1-butanol	57	7.285	7.285	(0.950)	229127	400.000	395.91
174	tert-Amyl methyl ether	73	4.665	4.665	(1.117)	299445	20.0000	19.06
175	tert-Butyl ethyl ether	59	3.379	3.379	(0.809)	286959	20.0000	19.19
176	tert-Amyl alcohol	59	4.616	4.612	(1.105)	159552	400.000	387.92
151	4-Methyl-2-pentanol	45	6.708	6.708	(1.351)	449919	400.000	374.94
180	1-Methylnaphthalene	142	12.638	12.634	(1.308)	157545	20.0000	(a)
140	1,3-Butadiene	54	1.167	1.167	(0.280)	79048	20.0000	19.48
152	Amyl alcohol	42	6.903	6.899	(0.900)	53030	400.000	402.24
158	Dichlorofluoromethane	67	1.535	1.535	(0.367)	130577	20.0000	18.55
159	Propylene oxide	43	1.805	1.805	(0.432)	16191	40.0000	37.29
161	3-Methyl-1-butanol	55	6.903	6.899	(0.900)	52635	400.000	408.16
162	Butyl acrylate	55	8.252	8.249	(1.076)	203667	20.0000	19.81
163	Butyl methacrylate	41	9.171	9.167	(0.949)	139381	20.0000	21.29
164	Dicyclopentadiene	66	9.681	9.681	(1.002)	418286	20.0000	19.21
182	Epichlorohydrin	57	6.097	6.093	(1.228)	35522	80.0000	78.69
M 94	1,2-Dichloroethylene (total)	96				189647	40.0000	(a)
145	alpha-Methylstyrene	118	9.257	9.257	(0.958)	183918	20.0000	19.97
130	Ethyl Acetate	43	3.656	3.657	(0.875)	104842	20.0000	21.00
134	Cyclohexanone	55	8.642	8.642	(0.894)	91911	400.000	410.27(a)
185	Isoprene	39	1.771	1.775	(0.424)	22566	20.0000	16.93
188	Isopropyl acetate	43	4.676	4.676	(0.942)	270352	20.0000	20.74

187 n-Amyl acetate	43	8.451	8.451 (1.102)	194165	20.0000	20.49
189 n-Butyl acetate	43	7.214	7.210 (0.941)	161428	20.0000	21.30(H)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
150 Allyl alcohol	57	2.772	2.772	(0.664)	95375	400.000	436.24
194 Acetaldehyde	44	1.216	1.216	(0.291)	20285	80.0000	76.62(M)
195 Methyl Amyl Ketone	43	8.380	8.380	(1.093)	220297	20.0000	21.14
200 Dimethyl Disulfide	94	6.198	6.194	(0.808)	203599	20.0000	19.40
202 Isobutylene	41	1.242	1.242	(0.297)	8262	20.0000	17.64(M)
205 2-Ethylhexyl Acrylate	55	11.547	11.544	(1.195)	120798	20.0000	17.62(M)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.



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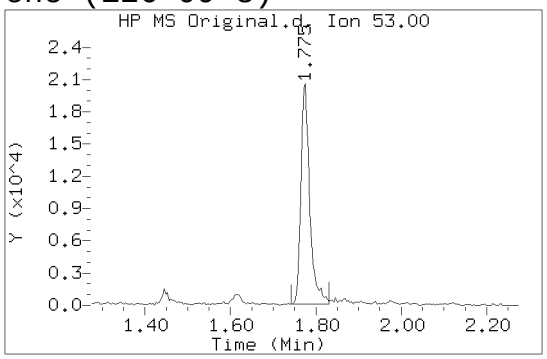
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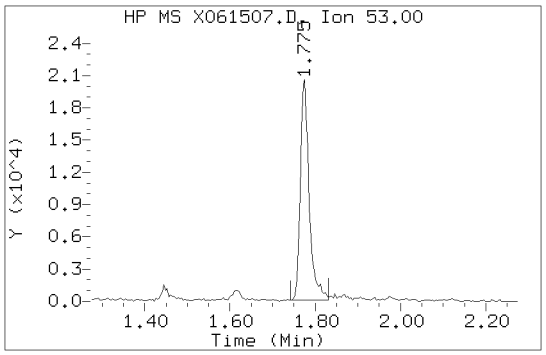
Chloroprene (126-99-8)

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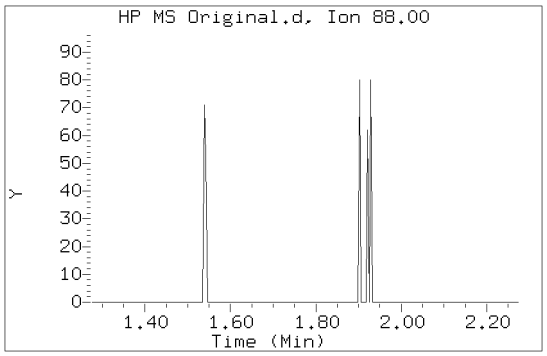
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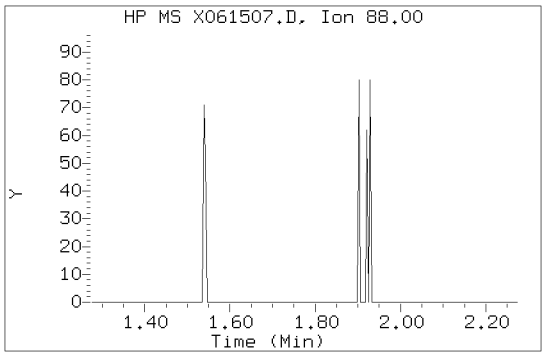
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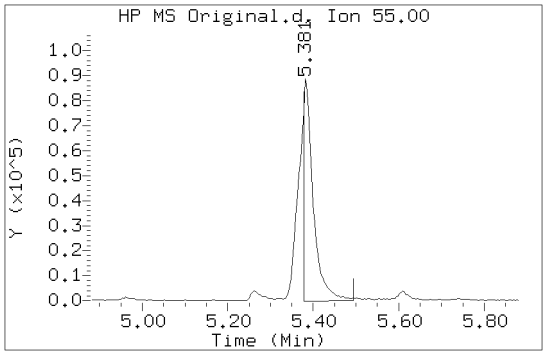
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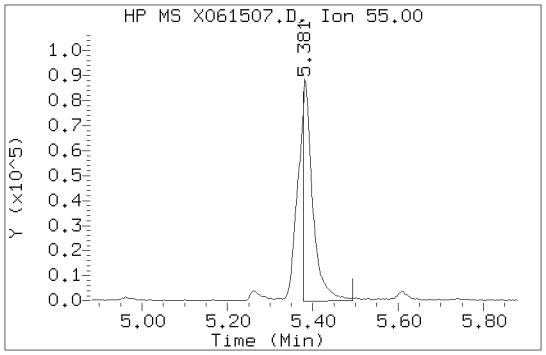
Ethyl Acrylate (140-88-5)

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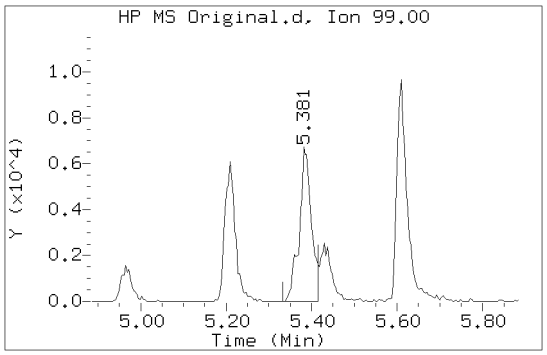
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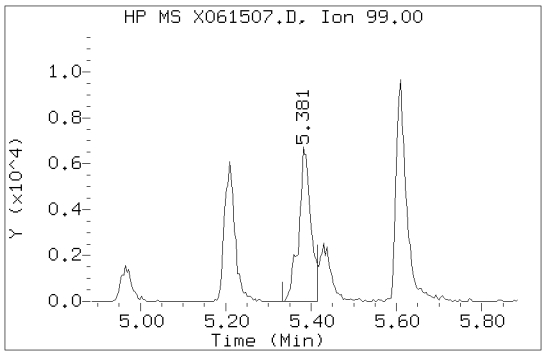
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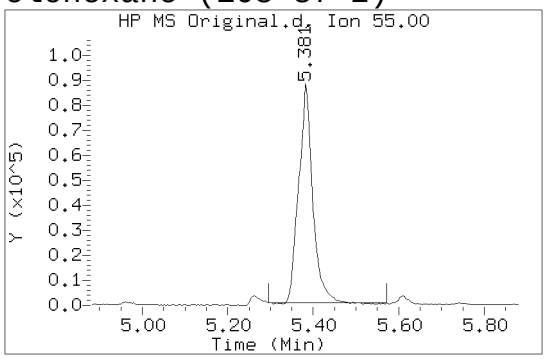


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InstruID : voa6.i
LabSampID : VSTD020

Methylcyclohexane (108-87-2)

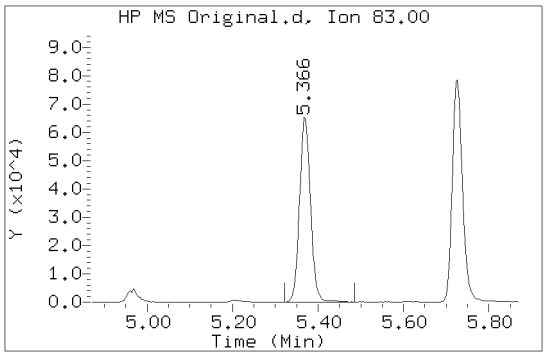
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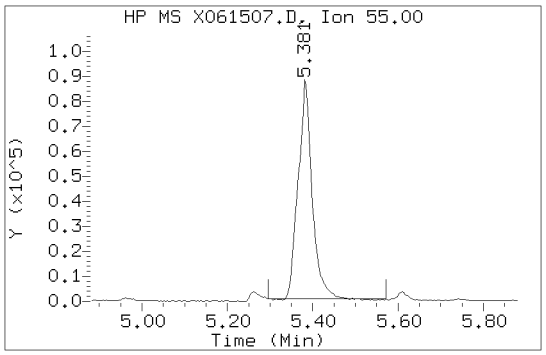
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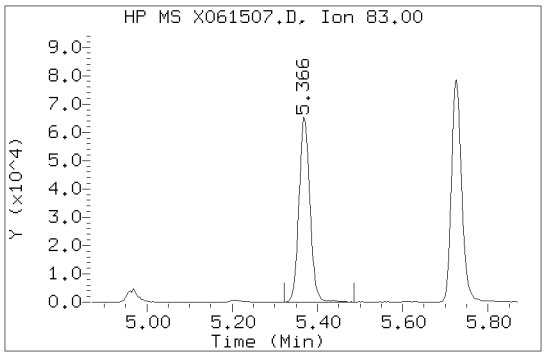
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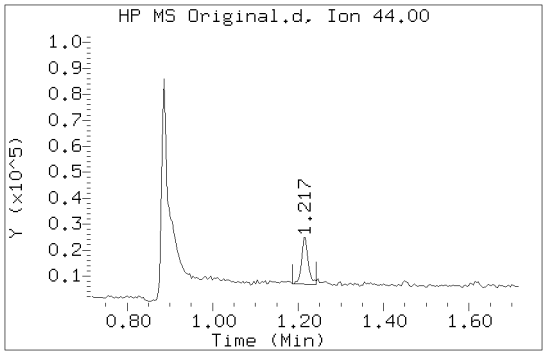
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Acetaldehyde (75-07-0)

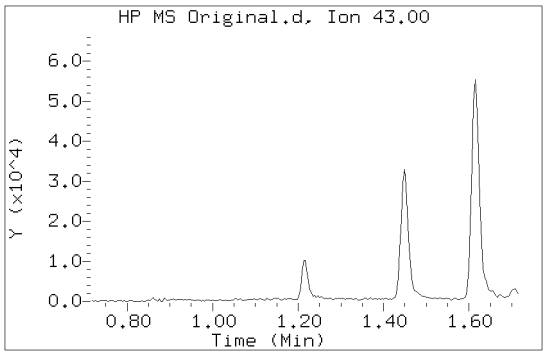
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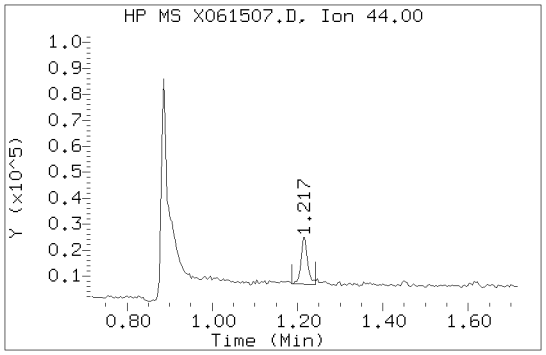
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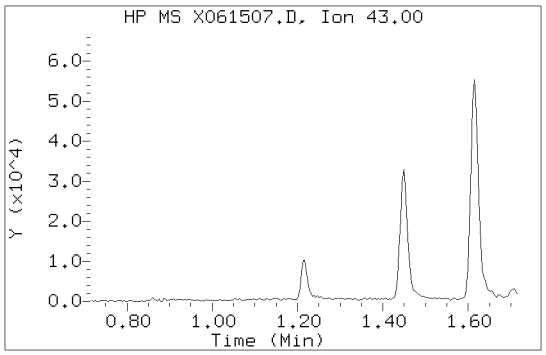
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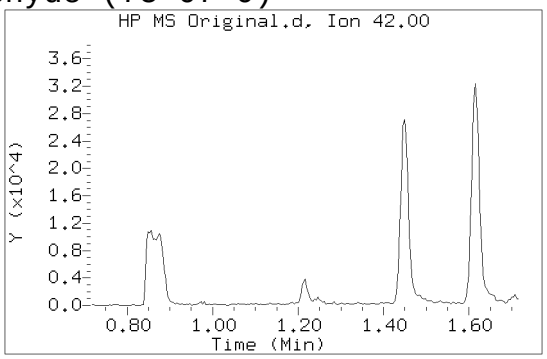
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InstruID : voa6.i
LabSampID : VSTD020

Acetaldehyde (75-07-0)

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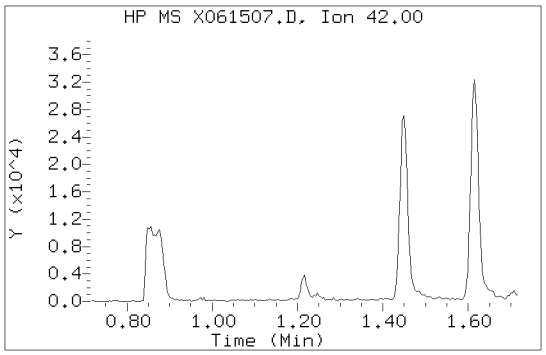
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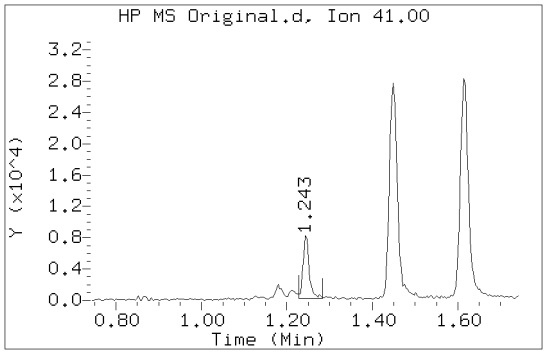


Isobutylene (115-11-7)

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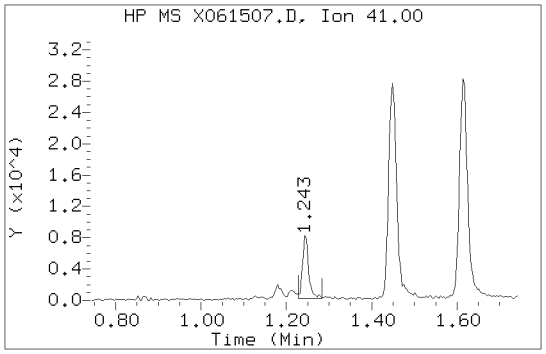
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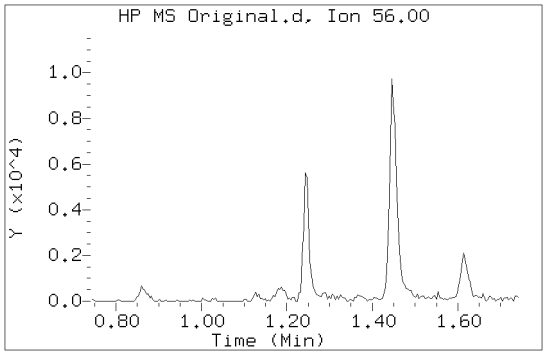
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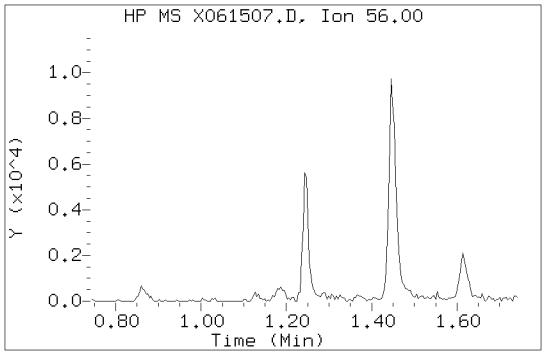
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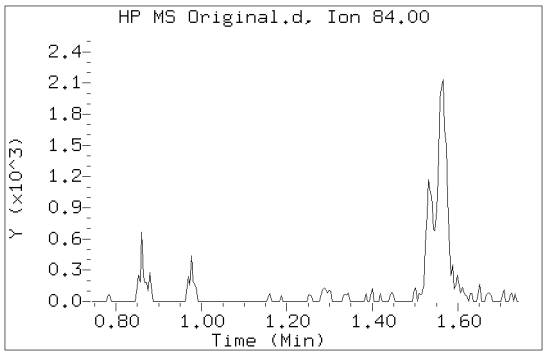
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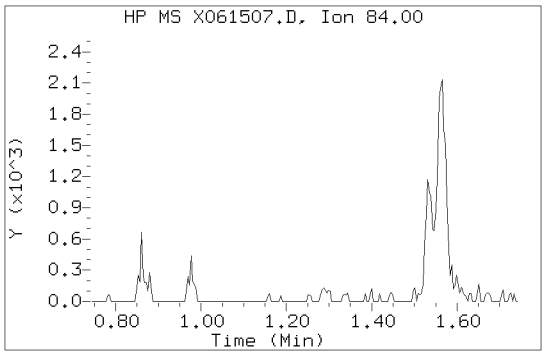
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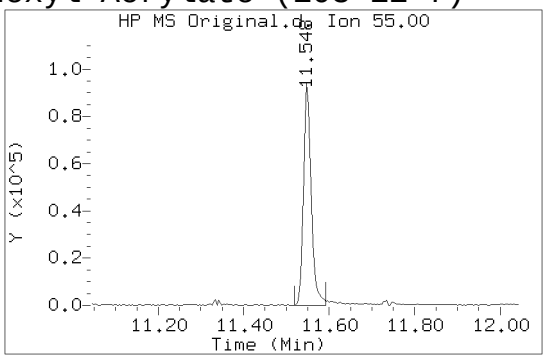
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LabSampID : VSTD020

2-Ethylhexyl Acrylate (103-11-7)

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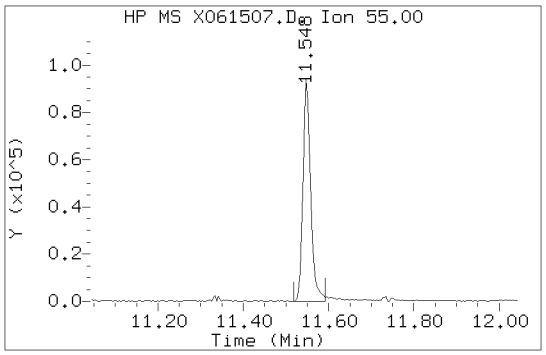
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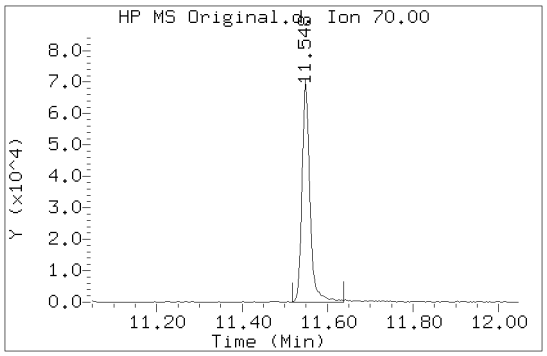
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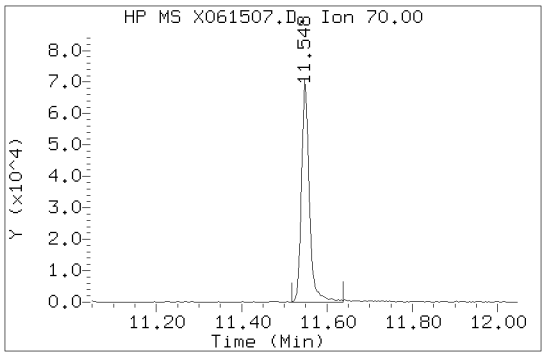
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Report Date: 20-Jun-2023 18:25

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061508.D
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Inj Date : 15-JUN-2023 13:42
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Meth Date : 20-Jun-2023 18:24 voa6.i Quant Type: ISTD
Cal Date : 15-JUN-2023 13:42 Cal File: X061508.D
Als bottle: 9 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 00000_8260.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
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)
*	1 Pentafluorobenzene	168	4.181	4.181	(1.000)	492816	50.0000	
	2 Dichlorodifluoromethane	85	0.976	0.976	(0.234)	197396	50.0000	46.53
	3 Chloromethane	50	1.081	1.081	(0.259)	241131	50.0000	46.36
	4 Propionitrile	54	3.653	3.653	(0.874)	304381	500.000	510.70
	5 Vinyl Chloride	62	1.145	1.149	(0.274)	240339	50.0000	46.43
	6 Bromomethane	94	1.344	1.344	(0.321)	137932	50.0000	46.42
	7 Chloroethane	64	1.407	1.407	(0.337)	149942	50.0000	47.39
	8 Trichlorofluoromethane	101	1.565	1.565	(0.374)	272748	50.0000	44.34
	9 Acrolein	56	1.449	1.449	(0.347)	27543	100.000	90.06
	10 Acetone	43	1.977	1.973	(0.473)	120180	100.000	93.50
	11 1,1-Dichloroethene	96	1.917	1.917	(0.459)	175031	50.0000	45.36
	12 Isobutyl Alcohol	43	4.672	4.676	(1.117)	634764	1000.00	987.83
	13 Acetonitrile	39	2.202	2.202	(0.527)	239543	500.000	501.13
	14 Allyl Chloride	41	2.202	2.202	(0.527)	536037	50.0000	49.59
	15 Iodomethane	142	2.030	2.030	(0.485)	622671	100.000	97.37
	16 Acrylonitrile	53	2.536	2.536	(0.606)	151533	100.000	96.86
	17 Methylene Chloride	84	2.307	2.307	(0.552)	248535	50.0000	45.60
	18 Methyl tert-butyl ether	73	2.536	2.536	(0.606)	648118	50.0000	48.12
	19 Carbon Disulfide	76	2.071	2.071	(0.495)	1253720	100.000	91.25
	20 trans-1,2-Dichloroethene	96	2.532	2.532	(0.606)	213845	50.0000	46.31
	21 Vinyl Acetate	43	2.997	2.997	(0.717)	1287138	100.000	104.45

22 1,1-Dichloroethane	63	2.922	2.922 (0.699)	390252	50.0000	46.92
23 Chloroprene	53	1.775	1.775 (0.425)	73527	50.0000	44.88(M)

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061508.D Page 2
Report Date: 20-Jun-2023 18:25

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/l)	ON-COL (ug/l)
	24	2-Butanone	43	3.574	3.578	(0.855)	166054	100.000	102.38
	25	Methacrylonitrile	41	3.821	3.821	(0.914)	202059	50.0000	49.69(aH)
	26	2,2-Dichloropropane	77	3.510	3.514	(0.840)	313511	50.0000	47.76
	27	cis-1,2-Dichloroethene	96	3.525	3.525	(0.843)	251495	50.0000	47.23
	28	Chloroform	83	3.904	3.904	(0.934)	411769	50.0000	45.99
	29	Bromochloromethane	128	3.795	3.795	(0.908)	132725	50.0000	46.78
$	30	Dibromofluoromethane	113	4.095	4.099	(0.979)	209535	50.0000	47.59
	31	1,1,1-Trichloroethane	97	4.084	4.084	(0.977)	324614	50.0000	44.86
	32	1,1-Dichloropropene	75	4.279	4.279	(0.862)	288880	50.0000	45.69
	33	1,2-Dichloroethane	62	4.556	4.556	(0.918)	306752	50.0000	48.42
	34	Carbon Tetrachloride	117	4.264	4.264	(0.859)	268670	50.0000	44.19
$	35	1,2-Dichloroethane-d4	65	4.470	4.470	(1.069)	238148	50.0000	50.13
*	36	1,4-Difluorobenzene	114	4.965	4.965	(1.000)	754448	50.0000	
	37	Benzene	78	4.511	4.511	(0.909)	918710	50.0000	47.34
	38	Trichloroethene	130	5.205	5.205	(1.048)	248720	50.0000	46.48
	39	Bromodichloromethane	83	5.726	5.722	(1.153)	322289	50.0000	46.94
	40	Methyl Methacrylate	41	5.602	5.606	(1.340)	191236	50.0000	50.12
	41	2-Chloroethylvinyl ether	63	6.044	6.048	(1.217)	193001	100.000	103.89
	42	1,2-Dichloropropane	63	5.433	5.437	(1.094)	247937	50.0000	48.67
	43	2-Nitropropane	43	5.966	5.966	(1.427)	65936	50.0000	49.64(H)
	44	Dibromomethane	93	5.553	5.550	(1.119)	153422	50.0000	47.97
	45	4-Methyl-2-Pentanone	43	6.322	6.322	(0.824)	451055	100.000	99.73
	46	cis-1,3-Dichloropropene	75	6.153	6.153	(1.239)	414700	50.0000	48.99
*	47	Chlorobenzene-d5	117	7.668	7.668	(1.000)	700134	50.0000	
$	48	Toluene-d8	98	6.386	6.386	(0.833)	793009	50.0000	44.80
	49	Ethyl Methacrylate	69	6.708	6.708	(1.351)	235499	50.0000	43.54
	50	Toluene	91	6.446	6.445	(0.841)	985523	50.0000	47.94
	51	trans-1,3-Dichloropropene	75	6.678	6.678	(1.345)	351970	50.0000	49.70
	52	2-Hexanone	43	7.087	7.083	(0.924)	307641	100.000	101.83
	53	1,1,2-Trichloroethane	83	6.835	6.835	(0.891)	191485	50.0000	47.81
	54	1,3-Dichloropropane	76	6.978	6.978	(0.910)	394668	50.0000	48.74
	55	Dibromochloromethane	129	7.173	7.173	(0.935)	276136	50.0000	48.65
	56	Tetrachloroethene	164	6.925	6.925	(0.903)	188588	50.0000	44.61
	57	1,2-Dibromoethane	107	7.259	7.259	(0.947)	242321	50.0000	47.34
	58	1-Chlorohexane	55	7.694	7.694	(1.550)	204135	50.0000	44.49
	59	Chlorobenzene	112	7.690	7.690	(1.003)	670262	50.0000	47.65
	60	1,1,1,2-Tetrachloroethane	131	7.773	7.773	(1.014)	247525	50.0000	47.19
	61	Ethylbenzene	106	7.799	7.799	(1.017)	337944	50.0000	46.63
	62	m,p-Xylenes	106	7.900	7.900	(1.030)	865023	100.000	96.80
	63	o-Xylene	106	8.237	8.237	(1.074)	421695	50.0000	47.29
	64	Styrene	104	8.256	8.256	(1.077)	726936	50.0000	49.49
	66	Bromoform	173	8.406	8.410	(1.096)	193324	50.0000	48.86
	67	Isopropylbenzene	105	8.560	8.560	(1.116)	1020952	50.0000	46.32
	68	1,1,2,2-Tetrachloroethane	83	8.837	8.837	(0.915)	322973	50.0000	45.91
$	69	4-Bromofluorobenzene	95	8.687	8.687	(1.133)	332999	50.0000	48.70
*	70	1,4-Dichlorobenzene-d4	152	9.662	9.658	(1.000)	400046	50.0000	
	71	1,2,3-Trichloropropane	75	8.863	8.863	(0.917)	233477	50.0000	46.28(M)
	72	trans-1,4-Dichloro-2-butene	53	8.886	8.886	(1.159)	85424	50.0000	50.12
	73	n-Propylbenzene	91	8.908	8.908	(0.922)	1227225	50.0000	46.61
	74	Bromobenzene	156	8.803	8.803	(0.911)	307004	50.0000	47.08
	75	1,3,5-Trimethylbenzene	105	9.066	9.066	(0.938)	897093	50.0000	46.44
	76	2-Chlorotoluene	91	8.972	8.972	(0.929)	765612	50.0000	45.79

77	4-Chlorotoluene	91	9.070	9.070 (0.939)	883550	50.0000	47.38
78	tert-Butylbenzene	119	9.332	9.336 (0.966)	729912	50.0000	45.35

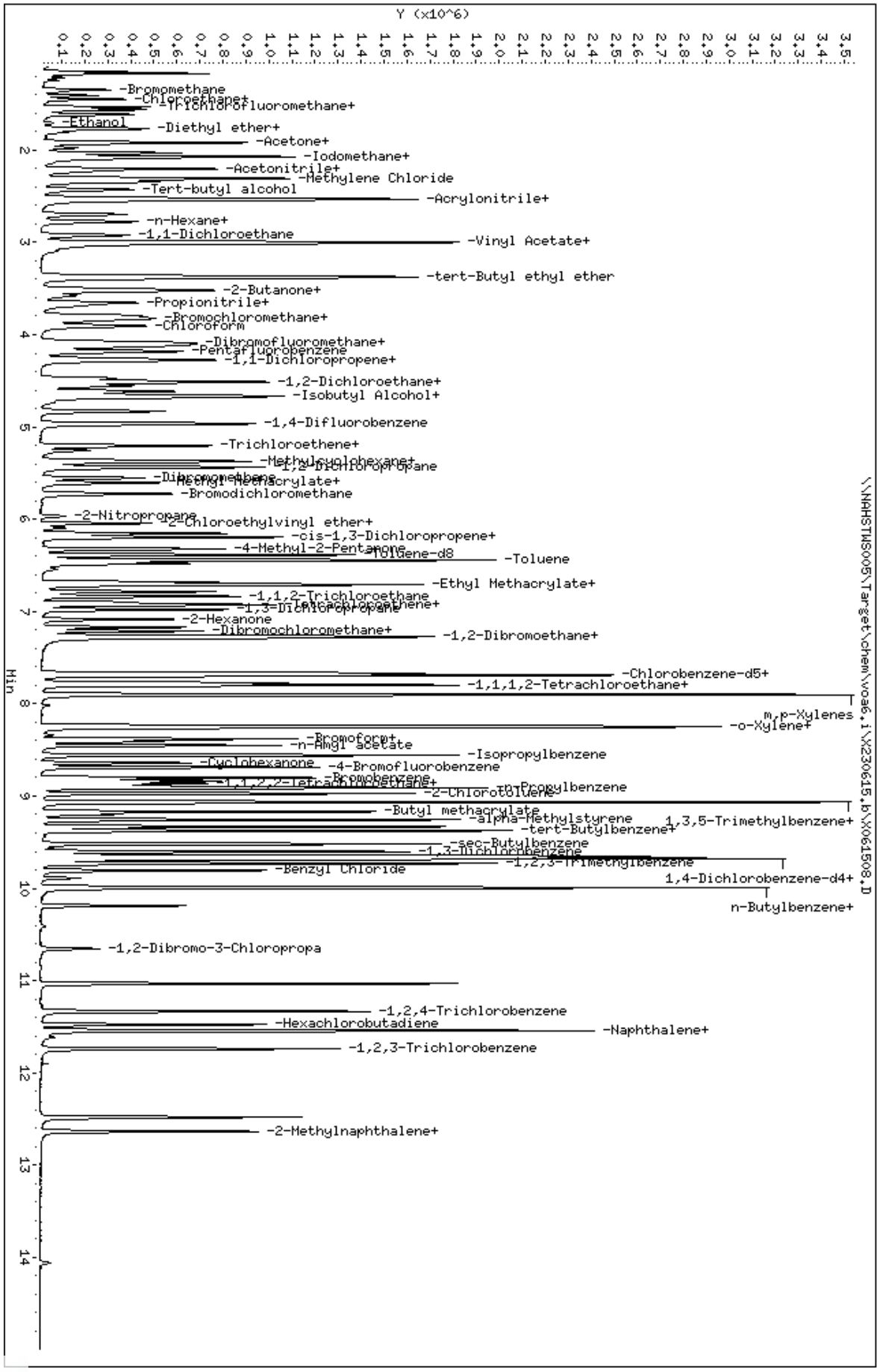
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	
79	1,2,4-Trimethylbenzene	105	9.377	9.377	(0.971)	919002	50.0000	47.15	
81	sec-Butylbenzene	105	9.519	9.519	(0.985)	1013804	50.0000	44.66	
82	p-Isopropyltoluene	119	9.647	9.647	(0.998)	914630	50.0000	46.02	
83	1,3-Dichlorobenzene	146	9.602	9.602	(0.994)	550233	50.0000	47.39	
84	1,4-Dichlorobenzene	146	9.681	9.681	(1.002)	582612	50.0000	46.88	
86	Benzyl Chloride	91	9.804	9.808	(1.279)	583705	50.0000	50.47	
87	n-Butylbenzene	91	9.992	9.992	(1.034)	814070	50.0000	48.10	
88	1,2-Dichlorobenzene	146	9.988	9.992	(1.034)	553758	50.0000	48.07	
89	1,2-Dibromo-3-Chloropropane	155	10.655	10.655	(1.103)	57289	50.0000	49.90	
90	1,2,4-Trichlorobenzene	180	11.334	11.334	(1.173)	403454	50.0000	50.34	
91	Hexachlorobutadiene	225	11.476	11.476	(1.188)	160721	50.0000	44.68	
92	Naphthalene	128	11.540	11.540	(1.194)	921832	50.0000	51.10	
93	1,2,3-Trichlorobenzene	180	11.739	11.739	(1.215)	365678	50.0000	49.59	
146	Methyl acetate	43	2.232	2.232	(0.534)	148083	50.0000	50.76	
138	Freon TF	101	1.917	1.917	(0.459)	158688	50.0000	46.35	
141	Cyclohexane	56	4.118	4.121	(0.985)	274803	50.0000	43.74	
142	Tetrahydrofuran	42	3.844	3.844	(0.919)	72495	100.000	100.93	
147	Methylcyclohexane	55	5.377	5.381	(1.083)	533003	50.0000	50.54	
135	1,4-Dioxane	88	5.598	5.598	(1.339)	56523	1000.00	946.41	
132	n-Butanol	56	5.253	5.253	(1.256)	116028	1000.00	907.61	
131	Methyl Acrylate	55	3.690	3.690	(0.883)	211890	50.0000	53.08	
133	Ethyl Acrylate	55	5.377	5.381	(1.286)	533003	50.0000	48.09	
136	n-Hexane	57	2.776	2.776	(0.664)	208750	50.0000	46.44	
139	Diethyl ether	59	1.760	1.760	(0.421)	148690	50.0000	48.15	
148	Tert-butyl alcohol	59	2.431	2.431	(0.581)	465312	1000.00	919.46	
149	Isopropyl alcohol	45	2.093	2.093	(0.501)	254962	1000.00	912.73	
156	Diisopropyl ether	45	3.001	3.000	(0.718)	713579	50.0000	49.09	
160	2-Methylnaphthalene	142	12.635	12.634	(1.308)	394789	50.0000	50.00	
166	1,2,3-Trimethylbenzene	105	9.729	9.729	(1.007)	940766	50.0000	49.47	
167	Ethanol	45	1.704	1.707	(0.407)	42212	1000.00	896.16	
172	tert-Butyl formate	59	4.616	4.612	(1.104)	374840	100.000	92.35	
173	3,3-Dimethyl-1-butanol	57	7.285	7.285	(0.950)	494306	1000.00	863.21	
174	tert-Amyl methyl ether	73	4.665	4.665	(1.116)	751714	50.0000	47.55	
175	tert-Butyl ethyl ether	59	3.375	3.379	(0.807)	719611	50.0000	47.83	
176	tert-Amyl alcohol	59	4.616	4.612	(1.104)	374840	1000.00	905.51	
151	4-Methyl-2-pentanol	45	6.708	6.708	(1.351)	1032494	1000.00	860.61	
180	1-Methylnaphthalene	142	12.635	12.634	(1.308)	394789	50.0000	(a)	
140	1,3-Butadiene	54	1.167	1.167	(0.279)	188849	50.0000	46.24	
152	Amyl alcohol	42	6.899	6.899	(0.900)	133001	1000.00	1019.57	
158	Dichlorofluoromethane	67	1.535	1.535	(0.367)	334814	50.0000	47.27	
159	Propylene oxide	43	1.805	1.805	(0.432)	36073	100.000	82.56	
161	3-Methyl-1-butanol	55	6.899	6.899	(0.900)	125842	1000.00	936.08	
162	Butyl acrylate	55	8.249	8.249	(1.076)	512904	50.0000	49.57	
163	Butyl methacrylate	41	9.167	9.167	(0.949)	352536	50.0000	52.39	
164	Dicyclopentadiene	66	9.681	9.681	(1.002)	1059682	50.0000	47.36	
182	Epichlorohydrin	57	6.093	6.093	(1.227)	80467	200.000	178.30	
M 94	1,2-Dichloroethylene (total)	96				465340	100.000	(a)	
145	alpha-Methylstyrene	118	9.257	9.257	(0.958)	459940	50.0000	48.60	
130	Ethyl Acetate	43	3.657	3.657	(0.875)	241252	50.0000	48.02	
134	Cyclohexanone	55	8.638	8.642	(0.894)	225144	1000.00	995.53	
185	Isoprene	39	1.775	1.775	(0.425)	54933	50.0000	40.95	
188	Isopropyl acetate	43	4.672	4.676	(0.941)	638971	50.0000	49.04	

187 n-Amyl acetate	43	8.451	8.451 (1.102)	446148	50.0000	47.58
189 n-Butyl acetate	43	7.210	7.210 (0.940)	384979	50.0000	51.34(H)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
150 Allyl alcohol	57	2.776	2.772	(0.664)	208750	1000.00	928.85
194 Acetaldehyde	44	1.216	1.216	(0.291)	50952	200.000	196.39(M)
195 Methyl Amyl Ketone	43	8.380	8.380	(1.093)	518535	50.0000	50.29
200 Dimethyl Disulfide	94	6.194	6.194	(0.808)	533595	50.0000	51.39
202 Isobutylene	41	1.242	1.242	(0.297)	22667	50.0000	48.10(M)
205 2-Ethylhexyl Acrylate	55	11.544	11.544	(1.195)	360378	50.0000	48.72(M)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.



Data File: \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061508.D
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Sample Info: VSTD050;VSTD050;1;7;
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Column phase: DB624

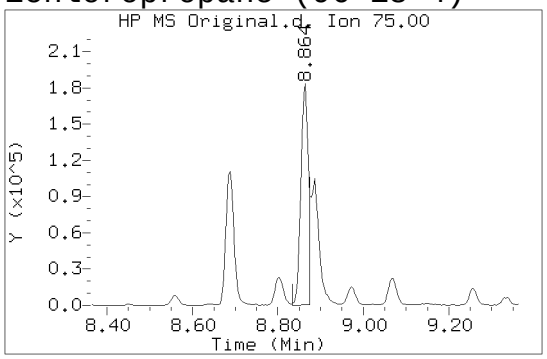
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Operator: PC
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Inj Date : 15-JUN-2023 13:42
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LabSampID : VSTD050

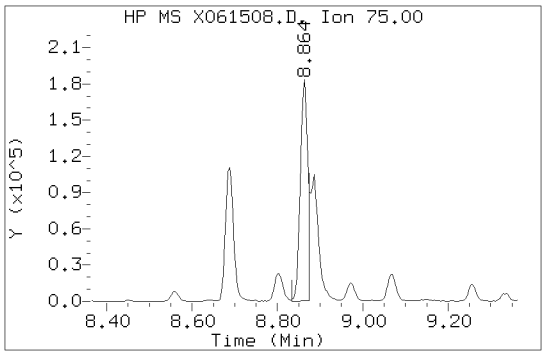
1,2,3-Trichloropropane (96-18-4)

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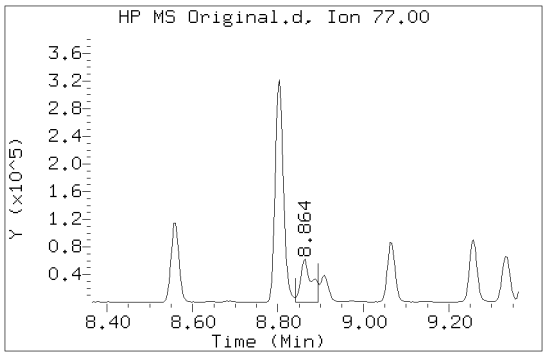
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20-Jun-2023
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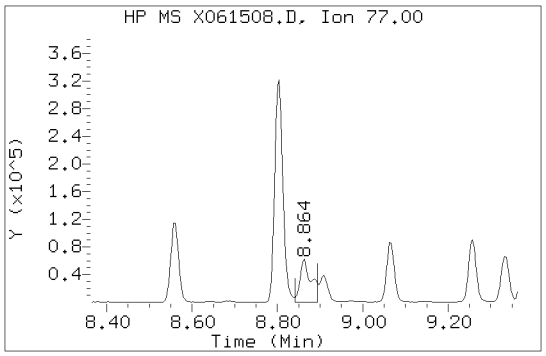
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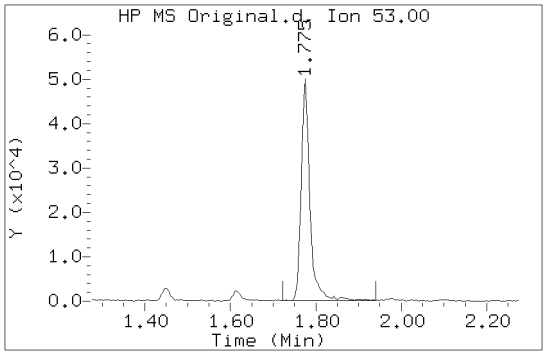
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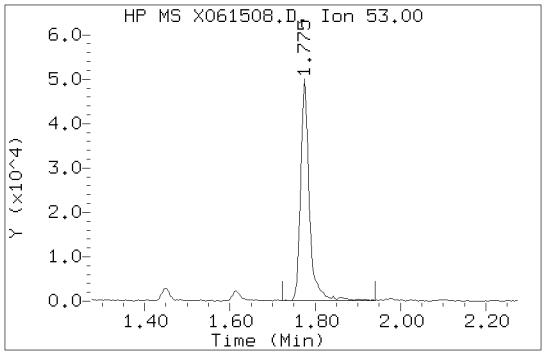
Chloroprene (126-99-8)

Reason Code:

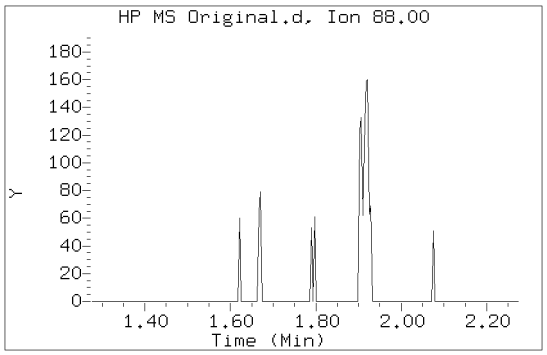
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pham



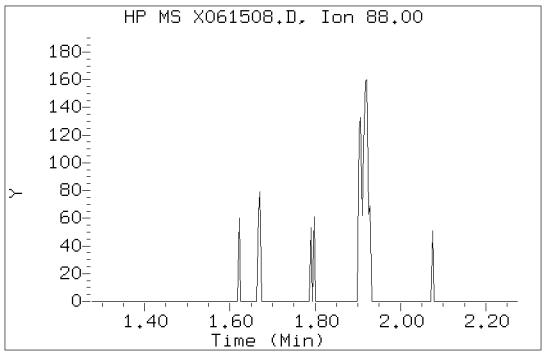
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73527
HEIGHT
49979
20-Jun-2023
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pham



BEFORE
MASS
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AREA
0
HEIGHT
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20-Jun-2023
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AFTER
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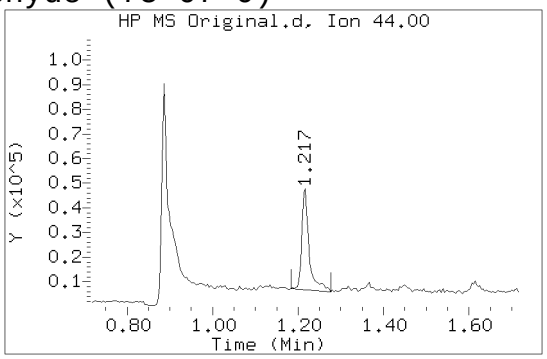


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Inj Date : 15-JUN-2023 13:42
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LabSampID : VSTD050

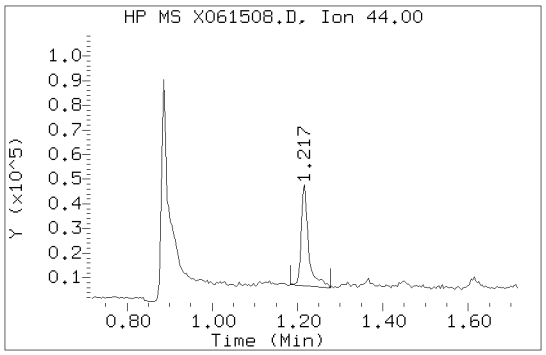
Acetaldehyde (75-07-0)

Reason Code:

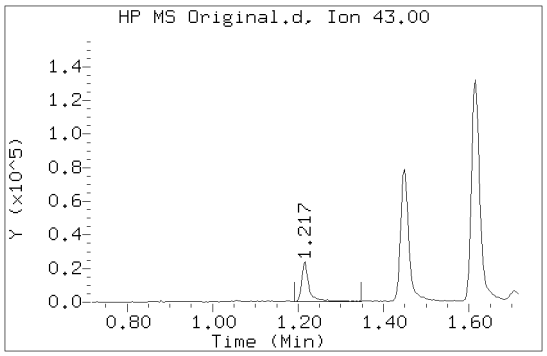
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20-Jun-2023
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pham



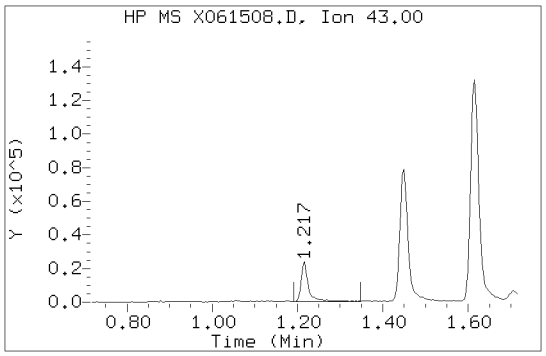
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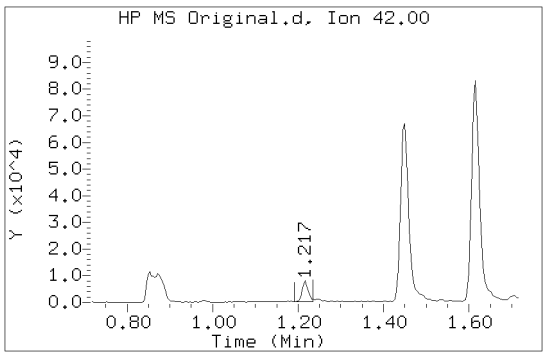
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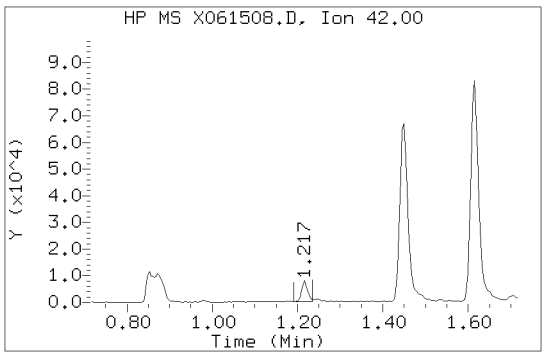
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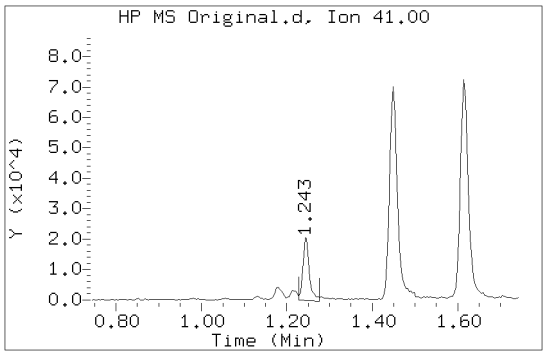
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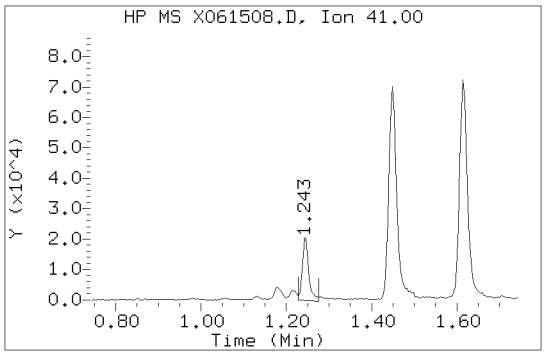
Isobutylene (115-11-7)

Reason Code:

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AFTER
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20-Jun-2023
18:22
linh
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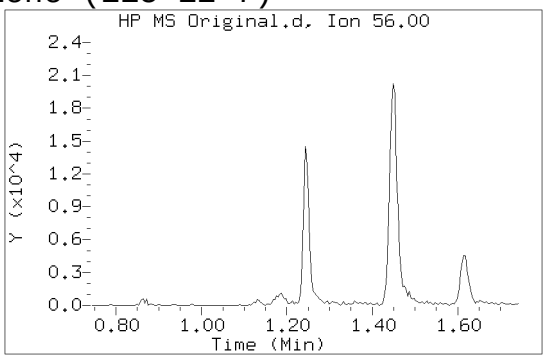
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LabSampID : VSTD050

Isobutylene (115-11-7)

Reason Code:

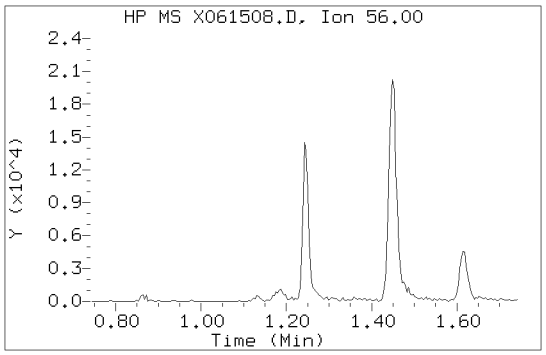
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20-Jun-2023
18:22
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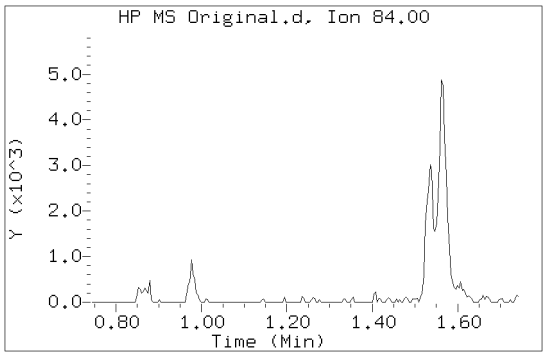
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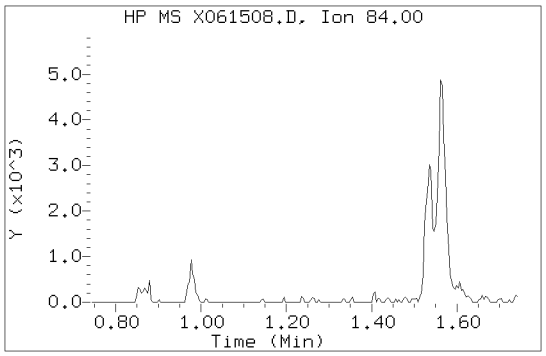
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20-Jun-2023
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AFTER

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HEIGHT
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20-Jun-2023
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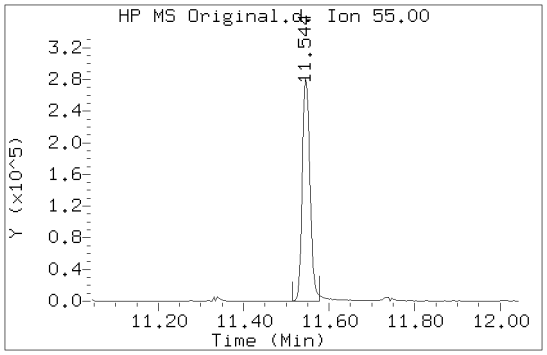


2-Ethylhexyl Acrylate (103-11-7)

Reason Code:

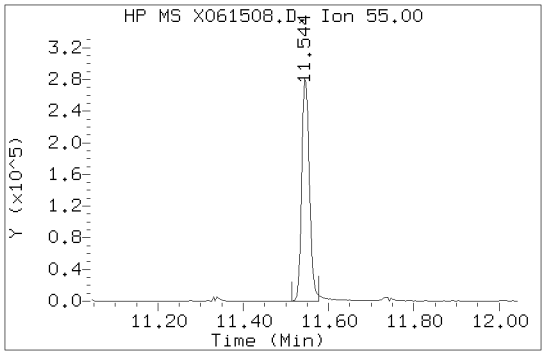
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20-Jun-2023
18:22
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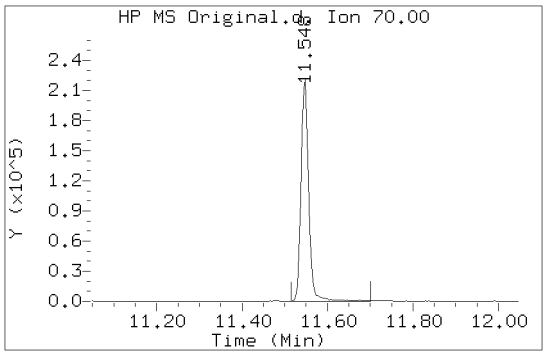
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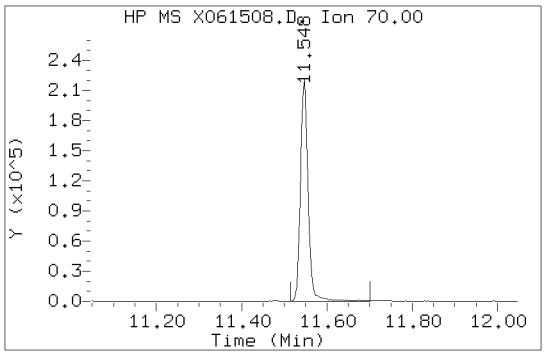
BEFORE

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20-Jun-2023
18:22
linh
pham



AFTER

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HEIGHT
220660
20-Jun-2023
18:22
linh
pham



Data File: \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061509.D Page 1
Report Date: 20-Jun-2023 18:25

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061509.D
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Inj Date : 15-JUN-2023 14:03
Operator : PC Inst ID: voa6.i
Smp Info : VSTD100;VSTD100;1;8;
Misc Info : V6;WATER;0;1;
Comment   :
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Meth Date : 20-Jun-2023 18:24 voa6.i Quant Type: ISTD
Cal Date : 15-JUN-2023 14:03 Cal File: X061509.D
Als bottle: 10 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 00000_8260.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
* 1	Pentafluorobenzene	168	4.181	4.181	(1.000)	495501	50.0000	
2	Dichlorodifluoromethane	85	0.976	0.976	(0.234)	431897	100.000	100.87
3	Chloromethane	50	1.081	1.081	(0.259)	524590	100.000	99.12
4	Propionitrile	54	3.649	3.653	(0.873)	599655	1000.00	1000.67
5	Vinyl Chloride	62	1.149	1.149	(0.275)	501013	100.000	96.27
6	Bromomethane	94	1.344	1.344	(0.321)	288326	100.000	96.52
7	Chloroethane	64	1.407	1.407	(0.337)	306060	100.000	96.21
8	Trichlorofluoromethane	101	1.561	1.565	(0.373)	598877	100.000	96.84
9	Acrolein	56	1.449	1.449	(0.347)	62591	200.000	203.57
10	Acetone	43	1.973	1.973	(0.472)	254517	200.000	197.25
11	1,1-Dichloroethene	96	1.917	1.917	(0.459)	364522	100.000	93.96
12	Isobutyl Alcohol	43	4.672	4.676	(1.117)	1268000	2000.00	1962.59
13	Acetonitrile	39	2.198	2.202	(0.526)	484091	1000.00	1007.25
14	Allyl Chloride	41	2.198	2.202	(0.526)	1079064	100.000	99.30
15	Iodomethane	142	2.030	2.030	(0.485)	1361652	200.000	206.18
16	Acrylonitrile	53	2.536	2.536	(0.606)	316304	200.000	201.10
17	Methylene Chloride	84	2.303	2.307	(0.551)	490960	100.000	89.59
18	Methyl tert-butyl ether	73	2.536	2.536	(0.606)	1281775	100.000	94.66
19	Carbon Disulfide	76	2.071	2.071	(0.495)	2629763	200.000	190.38
20	trans-1,2-Dichloroethene	96	2.532	2.532	(0.606)	439343	100.000	94.64
21	Vinyl Acetate	43	2.997	2.997	(0.717)	2457055	200.000	198.31

22 1,1-Dichloroethane	63	2.922	2.922 (0.699)	801750	100.000	95.87
23 Chloroprene	53	1.771	1.775 (0.424)	161195	100.000	97.87(M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
24	2-Butanone	43	3.574	3.578	(0.855)	351579	200.000	215.60
25	Methacrylonitrile	41	3.818	3.821	(0.913)	394582	100.000	96.51(aH)
26	2,2-Dichloropropane	77	3.507	3.514	(0.839)	661036	100.000	100.17
27	cis-1,2-Dichloroethene	96	3.525	3.525	(0.843)	508020	100.000	94.90
28	Chloroform	83	3.904	3.904	(0.934)	818333	100.000	90.92
29	Bromochloromethane	128	3.792	3.795	(0.907)	265719	100.000	93.15
$ 30	Dibromofluoromethane	113	4.095	4.099	(0.979)	449558	100.000	101.94
31	1,1,1-Trichloroethane	97	4.080	4.084	(0.976)	691238	100.000	95.02
32	1,1-Dichloropropene	75	4.279	4.279	(0.862)	621302	100.000	97.62
33	1,2-Dichloroethane	62	4.552	4.556	(0.917)	619081	100.000	97.07
34	Carbon Tetrachloride	117	4.264	4.264	(0.859)	590757	100.000	96.51
$ 35	1,2-Dichloroethane-d4	65	4.470	4.470	(1.069)	480296	100.000	101.41
* 36	1,4-Difluorobenzene	114	4.965	4.965	(1.000)	759537	50.0000	
37	Benzene	78	4.511	4.511	(0.909)	1903903	100.000	97.44
38	Trichloroethene	130	5.205	5.205	(1.048)	527345	100.000	97.89
39	Bromodichloromethane	83	5.722	5.722	(1.153)	657597	100.000	95.15
40	Methyl Methacrylate	41	5.602	5.606	(1.340)	386280	100.000	100.70
41	2-Chloroethylvinyl ether	63	6.044	6.048	(1.217)	379788	200.000	203.08
42	1,2-Dichloropropane	63	5.433	5.437	(1.094)	505068	100.000	98.48
43	2-Nitropropane	43	5.966	5.966	(1.427)	130452	100.000	97.68(H)
44	Dibromomethane	93	5.550	5.550	(1.118)	306749	100.000	95.28
45	4-Methyl-2-Pentanone	43	6.322	6.322	(0.824)	894293	200.000	193.09
46	cis-1,3-Dichloropropene	75	6.153	6.153	(1.239)	851192	100.000	99.89
* 47	Chlorobenzene-d5	117	7.668	7.668	(1.000)	716953	50.0000	
$ 48	Toluene-d8	98	6.386	6.386	(0.833)	1762374	100.000	97.22
49	Ethyl Methacrylate	69	6.708	6.708	(1.351)	479521	100.000	88.08
50	Toluene	91	6.446	6.445	(0.841)	2049854	100.000	97.39
51	trans-1,3-Dichloropropene	75	6.678	6.678	(1.345)	708794	100.000	99.41
52	2-Hexanone	43	7.083	7.083	(0.924)	616657	200.000	199.33
53	1,1,2-Trichloroethane	83	6.835	6.835	(0.891)	386891	100.000	94.35
54	1,3-Dichloropropane	76	6.978	6.978	(0.910)	798132	100.000	96.26
55	Dibromochloromethane	129	7.173	7.173	(0.935)	568303	100.000	97.79
56	Tetrachloroethene	164	6.925	6.925	(0.903)	417138	100.000	96.37
57	1,2-Dibromoethane	107	7.259	7.259	(0.947)	492910	100.000	94.04
58	1-Chlorohexane	55	7.694	7.694	(1.550)	447382	100.000	96.85
59	Chlorobenzene	112	7.690	7.690	(1.003)	1379283	100.000	95.77
60	1,1,1,2-Tetrachloroethane	131	7.773	7.773	(1.014)	518754	100.000	96.59
61	Ethylbenzene	106	7.795	7.799	(1.017)	716254	100.000	96.52
62	m,p-Xylenes	106	7.900	7.900	(1.030)	1808556	200.000	197.64
63	o-Xylene	106	8.237	8.237	(1.074)	881676	100.000	96.56
64	Styrene	104	8.256	8.256	(1.077)	1495586	100.000	99.44
66	Bromoform	173	8.406	8.410	(1.096)	398754	100.000	98.42
67	Isopropylbenzene	105	8.560	8.560	(1.116)	2193383	100.000	97.18
68	1,1,2,2-Tetrachloroethane	83	8.837	8.837	(0.915)	652900	100.000	89.45
$ 69	4-Bromofluorobenzene	95	8.687	8.687	(1.133)	703849	100.000	101.09
* 70	1,4-Dichlorobenzene-d4	152	9.662	9.658	(1.000)	415088	50.0000	
71	1,2,3-Trichloropropane	75	8.860	8.863	(0.917)	479418	100.000	91.60
72	trans-1,4-Dichloro-2-butene	53	8.886	8.886	(1.159)	178104	100.000	102.06
73	n-Propylbenzene	91	8.908	8.908	(0.922)	2636189	100.000	96.51
74	Bromobenzene	156	8.803	8.803	(0.911)	639671	100.000	94.55
75	1,3,5-Trimethylbenzene	105	9.066	9.066	(0.938)	1937766	100.000	96.68
76	2-Chlorotoluene	91	8.972	8.972	(0.929)	1592392	100.000	91.80

77	4-Chlorotoluene	91	9.066	9.070 (0.938)	1851947	100.000	95.71
78	tert-Butylbenzene	119	9.332	9.336 (0.966)	1602812	100.000	95.98

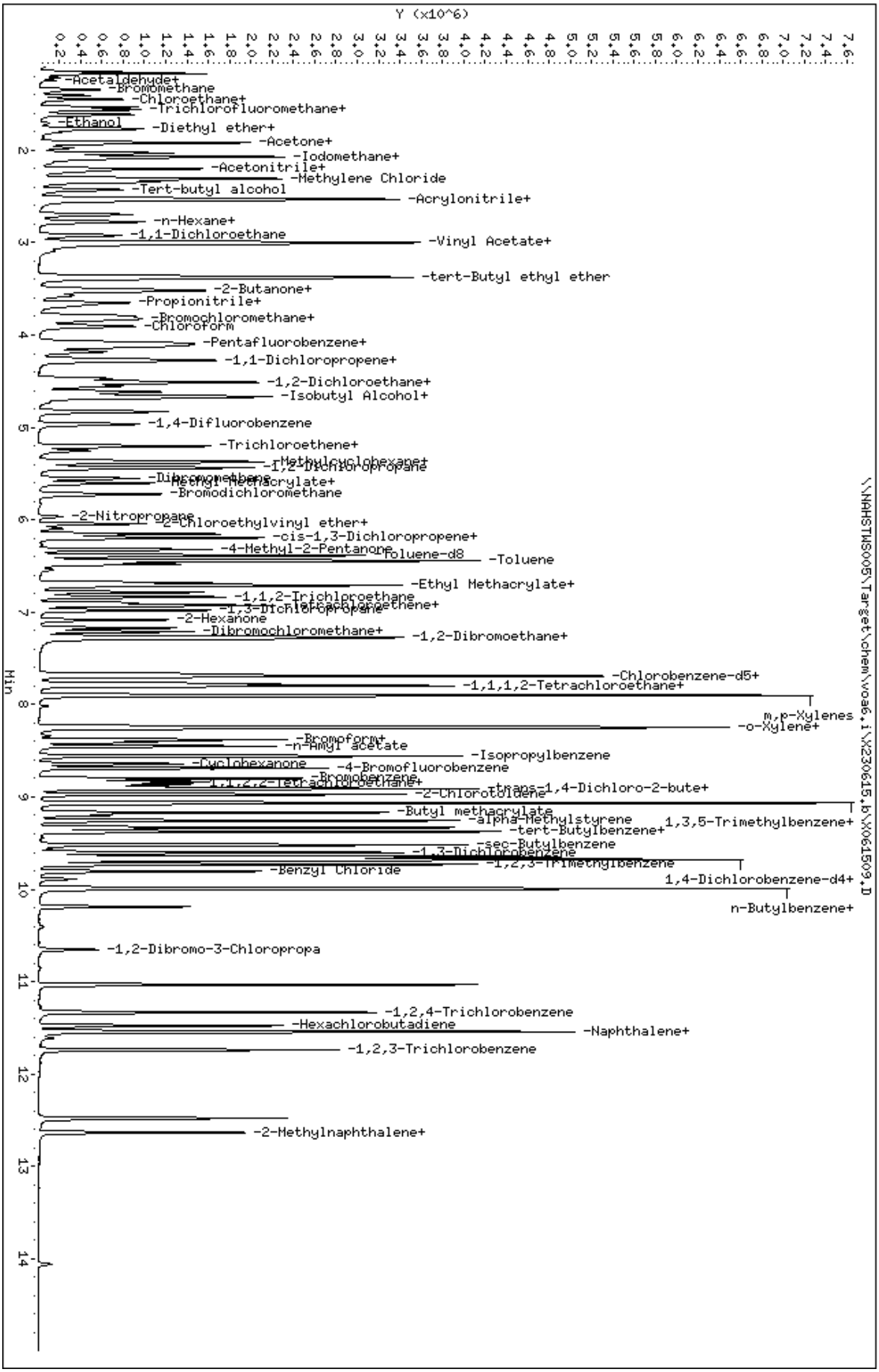
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
79	1,2,4-Trimethylbenzene	105	9.377	9.377	(0.971)	1952643	100.000	96.56
81	sec-Butylbenzene	105	9.519	9.519	(0.985)	2290981	100.000	97.28
82	p-Isopropyltoluene	119	9.647	9.647	(0.998)	2068710	100.000	100.33
83	1,3-Dichlorobenzene	146	9.602	9.602	(0.994)	1179035	100.000	97.87
84	1,4-Dichlorobenzene	146	9.681	9.681	(1.002)	1231486	100.000	95.50
86	Benzyl Chloride	91	9.804	9.808	(1.279)	1261181	100.000	106.49
87	n-Butylbenzene	91	9.992	9.992	(1.034)	1840344	100.000	104.79
88	1,2-Dichlorobenzene	146	9.988	9.992	(1.034)	1168783	100.000	97.78
89	1,2-Dibromo-3-Chloropropane	155	10.652	10.655	(1.102)	117282	100.000	98.20
90	1,2,4-Trichlorobenzene	180	11.334	11.334	(1.173)	872938	100.000	104.98
91	Hexachlorobutadiene	225	11.476	11.476	(1.188)	384079	100.000	102.91
92	Naphthalene	128	11.536	11.540	(1.194)	1926226	100.000	102.91
93	1,2,3-Trichlorobenzene	180	11.739	11.739	(1.215)	783021	100.000	102.34
146	Methyl acetate	43	2.232	2.232	(0.534)	289526	100.000	98.71
138	Freon TF	101	1.917	1.917	(0.459)	355059	100.000	100.76
141	Cyclohexane	56	4.121	4.121	(0.986)	620885	100.000	98.29
142	Tetrahydrofuran	42	3.840	3.844	(0.918)	142469	200.000	197.28
147	Methylcyclohexane	55	5.377	5.381	(1.083)	1125305	100.000	106.00(A)
135	1,4-Dioxane	88	5.598	5.598	(1.339)	120015	2000.00	1998.62
132	n-Butanol	56	5.250	5.253	(1.255)	246332	2000.00	1844.09
131	Methyl Acrylate	55	3.687	3.690	(0.882)	416983	100.000	103.90(M)
133	Ethyl Acrylate	55	5.377	5.381	(1.286)	1125305	100.000	98.39
136	n-Hexane	57	2.772	2.776	(0.663)	496122	100.000	102.05
139	Diethyl ether	59	1.760	1.760	(0.421)	299105	100.000	96.35
148	Tert-butyl alcohol	59	2.427	2.431	(0.580)	915279	2000.00	1798.80
149	Isopropyl alcohol	45	2.097	2.093	(0.502)	521733	2000.00	1857.62
156	Diisopropyl ether	45	3.001	3.000	(0.718)	1426018	100.000	97.58
160	2-Methylnaphthalene	142	12.635	12.634	(1.308)	820577	100.000	100.15
166	1,2,3-Trimethylbenzene	105	9.729	9.729	(1.007)	1981777	100.000	100.44
167	Ethanol	45	1.707	1.707	(0.408)	84145	2000.00	1776.72
172	tert-Butyl formate	59	4.616	4.612	(1.104)	756526	200.000	185.39
173	3,3-Dimethyl-1-butanol	57	7.285	7.285	(0.950)	1023974	2000.00	1746.23
174	tert-Amyl methyl ether	73	4.665	4.665	(1.116)	1510011	100.000	95.00
175	tert-Butyl ethyl ether	59	3.375	3.379	(0.807)	1438799	100.000	95.12
176	tert-Amyl alcohol	59	4.616	4.612	(1.104)	756526	2000.00	1817.65
151	4-Methyl-2-pentanol	45	6.708	6.708	(1.351)	2081892	2000.00	1723.68
180	1-Methylnaphthalene	142	12.635	12.634	(1.308)	820577	100.000	(a)
140	1,3-Butadiene	54	1.167	1.167	(0.279)	405380	100.000	98.72
152	Amyl alcohol	42	6.899	6.899	(0.900)	278205	2000.00	2082.66
158	Dichlorofluoromethane	67	1.535	1.535	(0.367)	693033	100.000	97.31
159	Propylene oxide	43	1.808	1.805	(0.433)	69625	200.000	158.49
161	3-Methyl-1-butanol	55	6.899	6.899	(0.900)	266062	2000.00	1894.99
162	Butyl acrylate	55	8.249	8.249	(1.076)	1042036	100.000	97.81
163	Butyl methacrylate	41	9.167	9.167	(0.949)	680469	100.000	97.46
164	Dicyclopentadiene	66	9.681	9.681	(1.002)	2180940	100.000	93.94
182	Epichlorohydrin	57	6.093	6.093	(1.227)	164288	400.000	361.60
M 94	1,2-Dichloroethylene (total)	96				947363	200.000	(a)
145	alpha-Methylstyrene	118	9.257	9.257	(0.958)	980440	100.000	99.84
130	Ethyl Acetate	43	3.653	3.657	(0.874)	454946	100.000	90.07
134	Cyclohexanone	55	8.642	8.642	(0.894)	470281	2000.00	2017.28
185	Isoprene	39	1.771	1.775	(0.424)	117560	100.000	87.18
188	Isopropyl acetate	43	4.672	4.676	(0.941)	1268530	100.000	96.70

187 n-Amyl acetate	43	8.451	8.451 (1.102)	916897	100.000	95.49
189 n-Butyl acetate	43	7.210	7.210 (0.940)	766562	100.000	99.82(H)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
150 Allyl alcohol	57	2.772	2.772	(0.663)	496122	2000.00	2041.64
194 Acetaldehyde	44	1.216	1.216	(0.291)	103450	400.000	400.10(M)
195 Methyl Amyl Ketone	43	8.380	8.380	(1.093)	1079051	100.000	102.21
200 Dimethyl Disulfide	94	6.194	6.194	(0.808)	1080422	100.000	101.61
202 Isobutylene	41	1.242	1.242	(0.297)	44663	100.000	94.27(M)
205 2-Ethylhexyl Acrylate	55	11.544	11.544	(1.195)	790630	100.000	101.60

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.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.



Data File: \\NAHSTWS005\Target\chem\voa6,i\X230615,b\X061509,D
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Sample Info: VSTD100;VSTD100;1;8;
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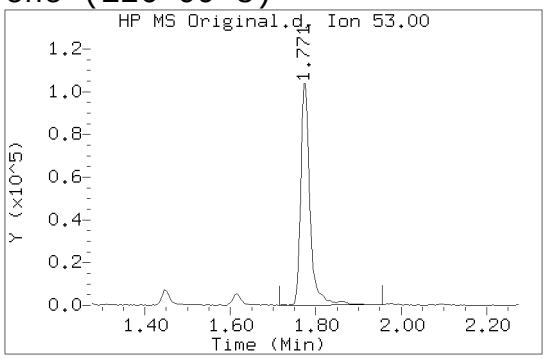
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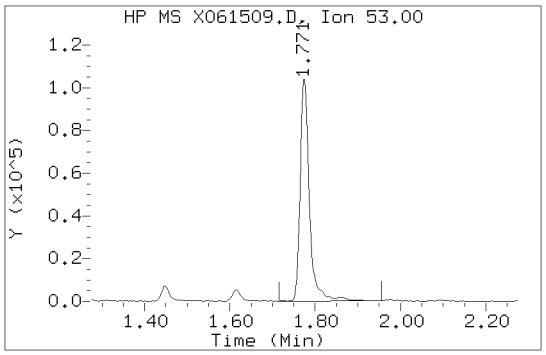
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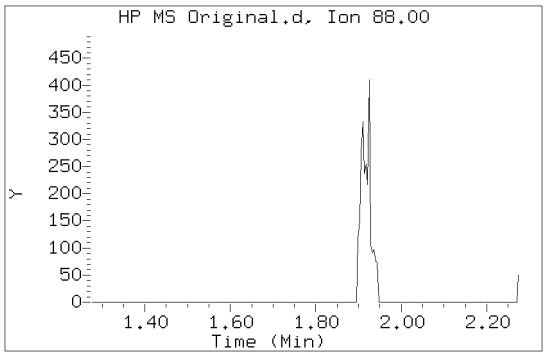
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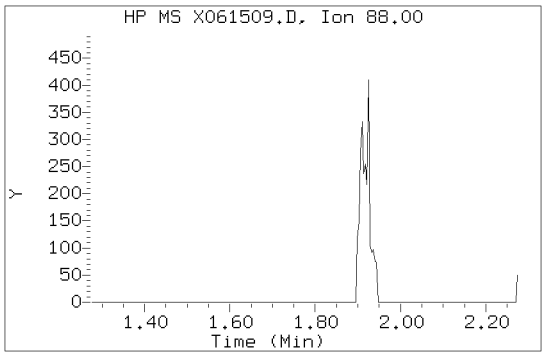
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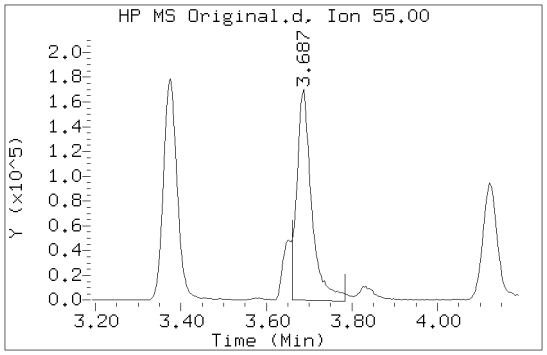
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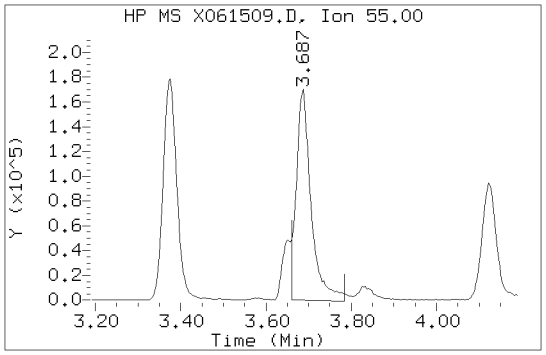
Methyl Acrylate (96-33-3)

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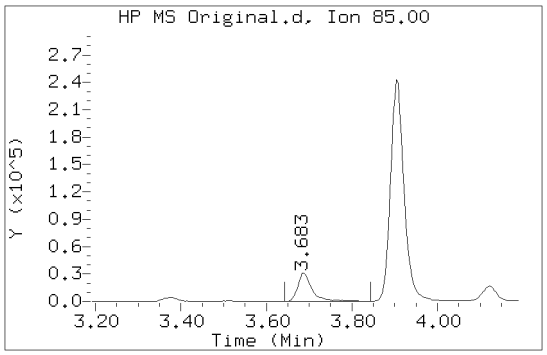
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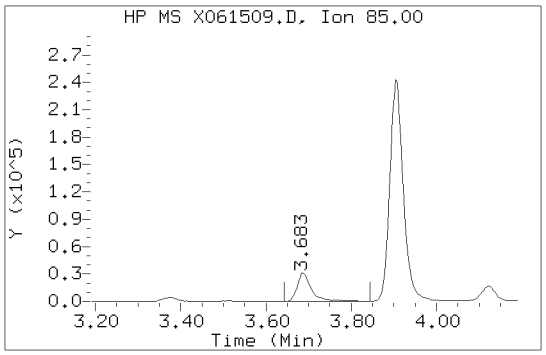
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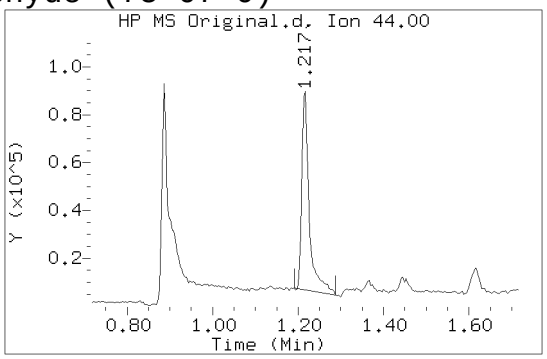


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LabSampID : VSTD100

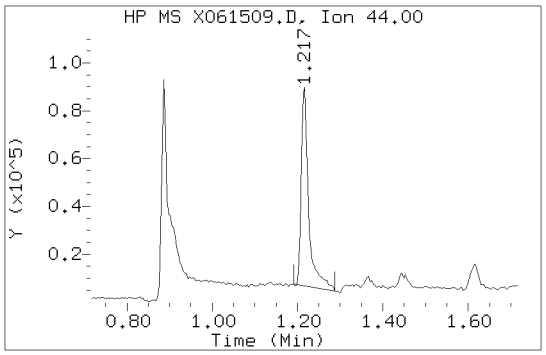
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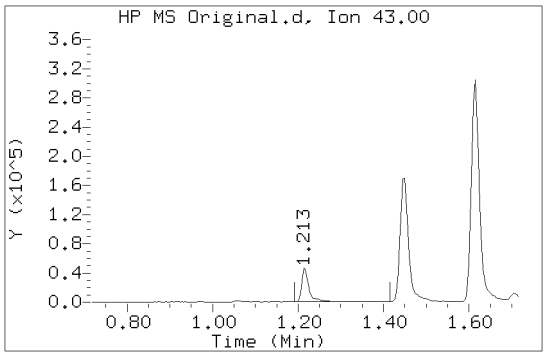
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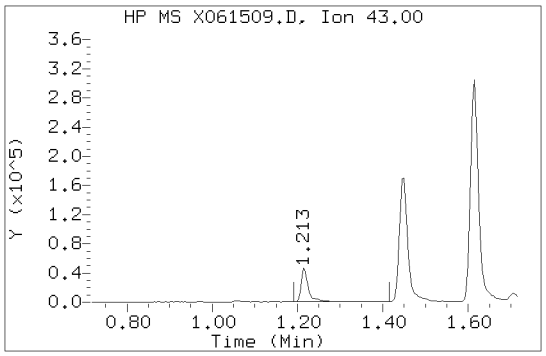
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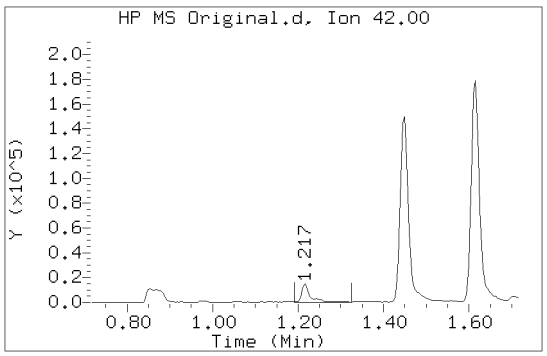
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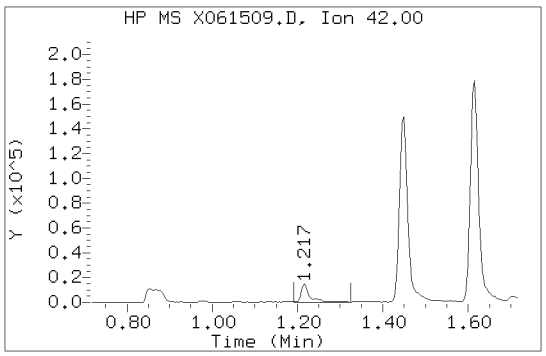
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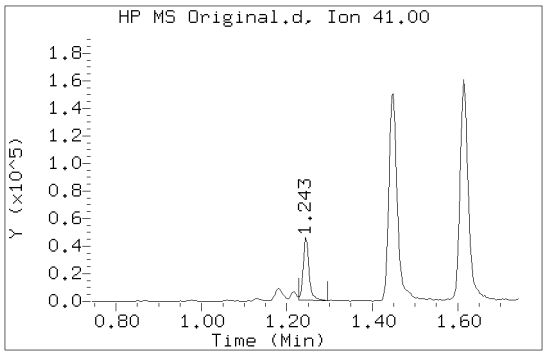
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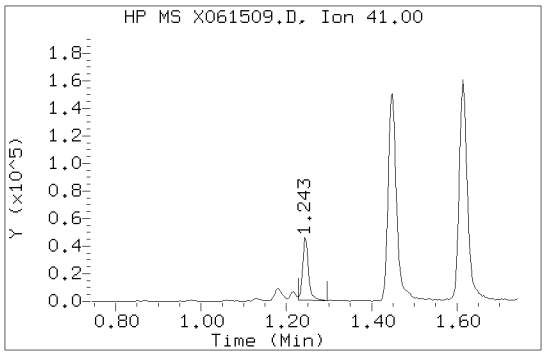
Isobutylene (115-11-7)

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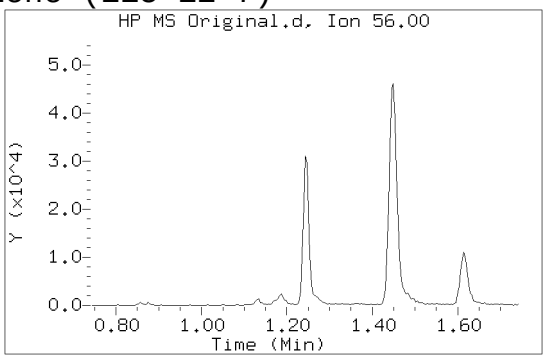
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LabSampID : VSTD100

Isobutylene (115-11-7)

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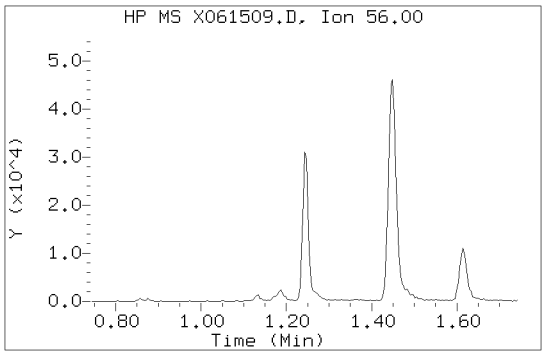
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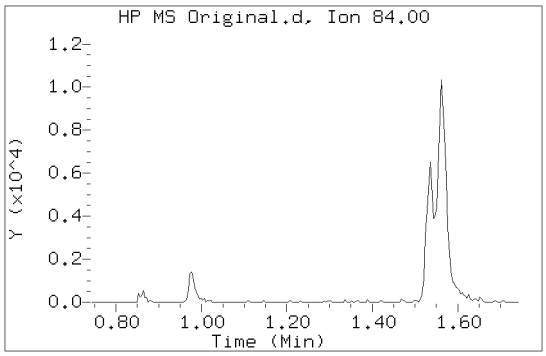
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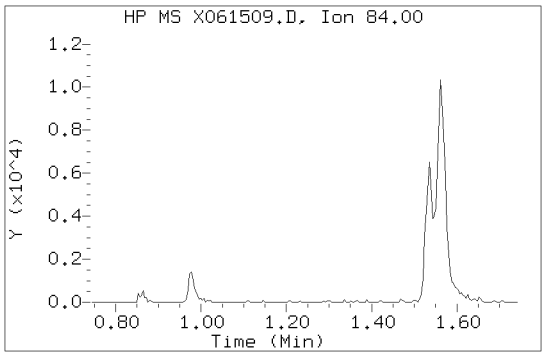
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AFTER

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Data File: \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061510.D Page 1
Report Date: 20-Jun-2023 18:25

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061510.D
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Inj Date : 15-JUN-2023 14:24
Operator : PC Inst ID: voa6.i
Smp Info : VSTD150;VSTD150;1;9;
Misc Info : V6;WATER;0;1;
Comment   :
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Meth Date : 20-Jun-2023 18:24 voa6.i Quant Type: ISTD
Cal Date : 15-JUN-2023 14:24 Cal File: X061510.D
Als bottle: 11 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 00000_8260.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
* 1	Pentafluorobenzene	168	4.181	4.181	(1.000)	496372	50.0000	
2	Dichlorodifluoromethane	85	0.976	0.976	(0.234)	640204	150.000	149.11
3	Chloromethane	50	1.081	1.081	(0.259)	786709	150.000	147.87
4	Propionitrile	54	3.649	3.653	(0.873)	930050	1500.00	1549.29
5	Vinyl Chloride	62	1.145	1.149	(0.274)	746276	150.000	143.15
6	Bromomethane	94	1.336	1.344	(0.320)	433384	150.000	144.83
7	Chloroethane	64	1.404	1.407	(0.336)	453938	150.000	142.45
8	Trichlorofluoromethane	101	1.561	1.565	(0.373)	900602	150.000	145.38
9	Acrolein	56	1.445	1.449	(0.346)	97655	300.000	317.05
10	Acetone	43	1.973	1.973	(0.472)	376478	300.000	291.39
11	1,1-Dichloroethene	96	1.913	1.917	(0.458)	543055	150.000	139.74
12	Isobutyl Alcohol	43	4.672	4.676	(1.117)	1920074	3000.00	2966.65
13	Acetonitrile	39	2.198	2.202	(0.526)	746339	1500.00	1550.19
14	Allyl Chloride	41	2.198	2.202	(0.526)	1653414	150.000	151.89
15	Iodomethane	142	2.030	2.030	(0.485)	1987305	300.000	295.77
16	Acrylonitrile	53	2.532	2.536	(0.606)	489629	300.000	310.76
17	Methylene Chloride	84	2.303	2.307	(0.551)	728727	150.000	132.75
18	Methyl tert-butyl ether	73	2.536	2.536	(0.606)	1979321	150.000	145.93
19	Carbon Disulfide	76	2.071	2.071	(0.495)	4109640	300.000	296.99
20	trans-1,2-Dichloroethene	96	2.528	2.532	(0.605)	664057	150.000	142.80
21	Vinyl Acetate	43	2.997	2.997	(0.717)	3702324	300.000	298.30

22 1,1-Dichloroethane	63	2.922	2.922 (0.699)	1188336	150.000	141.85
23 Chloroprene	53	1.771	1.775 (0.424)	235576	150.000	142.78

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
24	2-Butanone	43	3.574	3.578	(0.855)	535272	300.000	327.67
25	Methacrylonitrile	41	3.818	3.821	(0.913)	606858	150.000	148.17(aH)
26	2,2-Dichloropropane	77	3.507	3.514	(0.839)	998442	150.000	151.04
27	cis-1,2-Dichloroethene	96	3.522	3.525	(0.842)	764228	150.000	142.51
28	Chloroform	83	3.904	3.904	(0.934)	1226489	150.000	136.03
29	Bromochloromethane	128	3.791	3.795	(0.907)	402633	150.000	140.90
$ 30	Dibromofluoromethane	113	4.095	4.099	(0.979)	670515	150.000	151.95
31	1,1,1-Trichloroethane	97	4.080	4.084	(0.976)	1052921	150.000	144.48
32	1,1-Dichloropropene	75	4.279	4.279	(0.862)	948327	150.000	149.27
33	1,2-Dichloroethane	62	4.552	4.556	(0.917)	933139	150.000	146.58
34	Carbon Tetrachloride	117	4.264	4.264	(0.859)	907027	150.000	148.45
$ 35	1,2-Dichloroethane-d4	65	4.470	4.470	(1.069)	717187	150.000	151.59
* 36	1,4-Difluorobenzene	114	4.965	4.965	(1.000)	758148	50.0000	
37	Benzene	78	4.511	4.511	(0.909)	2855100	150.000	146.40
38	Trichloroethene	130	5.205	5.205	(1.048)	801968	150.000	149.14
39	Bromodichloromethane	83	5.722	5.722	(1.153)	985431	150.000	142.84
40	Methyl Methacrylate	41	5.602	5.606	(1.340)	588875	150.000	153.24
41	2-Chloroethylvinyl ether	63	6.044	6.048	(1.217)	573937	300.000	307.45
42	1,2-Dichloropropane	63	5.433	5.437	(1.094)	749457	150.000	146.41
43	2-Nitropropane	43	5.966	5.966	(1.427)	204861	150.000	153.12(H)
44	Dibromomethane	93	5.550	5.550	(1.118)	460730	150.000	143.38
45	4-Methyl-2-Pentanone	43	6.322	6.322	(0.824)	1336051	300.000	286.37
46	cis-1,3-Dichloropropene	75	6.153	6.153	(1.239)	1279171	150.000	150.39
* 47	Chlorobenzene-d5	117	7.668	7.668	(1.000)	722233	50.0000	
$ 48	Toluene-d8	98	6.386	6.386	(0.833)	2595498	150.000	142.14
49	Ethyl Methacrylate	69	6.712	6.708	(1.352)	784584	150.000	144.38
50	Toluene	91	6.446	6.445	(0.841)	3078749	150.000	145.20
51	trans-1,3-Dichloropropene	75	6.678	6.678	(1.345)	1082340	150.000	152.08
52	2-Hexanone	43	7.083	7.083	(0.924)	932009	300.000	299.06
53	1,1,2-Trichloroethane	83	6.839	6.835	(0.892)	582084	150.000	140.91
54	1,3-Dichloropropane	76	6.978	6.978	(0.910)	1189873	150.000	142.46
55	Dibromochloromethane	129	7.173	7.173	(0.935)	863836	150.000	147.55
56	Tetrachloroethene	164	6.925	6.925	(0.903)	652660	150.000	149.68
57	1,2-Dibromoethane	107	7.259	7.259	(0.947)	750201	150.000	142.08
58	1-Chlorohexane	55	7.694	7.694	(1.550)	693641	150.000	150.44
59	Chlorobenzene	112	7.690	7.690	(1.003)	2097306	150.000	144.56
60	1,1,1,2-Tetrachloroethane	131	7.773	7.773	(1.014)	788685	150.000	145.78
61	Ethylbenzene	106	7.799	7.799	(1.017)	1108469	150.000	148.29
62	m,p-Xylenes	106	7.904	7.900	(1.031)	2779898	300.000	301.57
63	o-Xylene	106	8.237	8.237	(1.074)	1341283	150.000	145.82
64	Styrene	104	8.256	8.256	(1.077)	2293595	150.000	151.38
66	Bromoform	173	8.406	8.410	(1.096)	616100	150.000	150.96
67	Isopropylbenzene	105	8.560	8.560	(1.116)	3423955	150.000	150.60
68	1,1,2,2-Tetrachloroethane	83	8.837	8.837	(0.915)	999723	150.000	133.32
$ 69	4-Bromofluorobenzene	95	8.687	8.687	(1.133)	1057321	150.000	151.02
* 70	1,4-Dichlorobenzene-d4	152	9.662	9.658	(1.000)	426427	50.0000	
71	1,2,3-Trichloropropane	75	8.863	8.863	(0.917)	728412	150.000	135.47(M)
72	trans-1,4-Dichloro-2-butene	53	8.886	8.886	(1.159)	276176	150.000	157.10
73	n-Propylbenzene	91	8.912	8.908	(0.922)	4145728	150.000	147.73
74	Bromobenzene	156	8.803	8.803	(0.911)	998637	150.000	143.68
75	1,3,5-Trimethylbenzene	105	9.066	9.066	(0.938)	3021206	150.000	146.72
76	2-Chlorotoluene	91	8.972	8.972	(0.929)	2465333	150.000	138.34

77	4-Chlorotoluene	91	9.066	9.070 (0.938)	2873857	150.000	144.58
78	tert-Butylbenzene	119	9.336	9.336 (0.966)	2516939	150.000	146.72

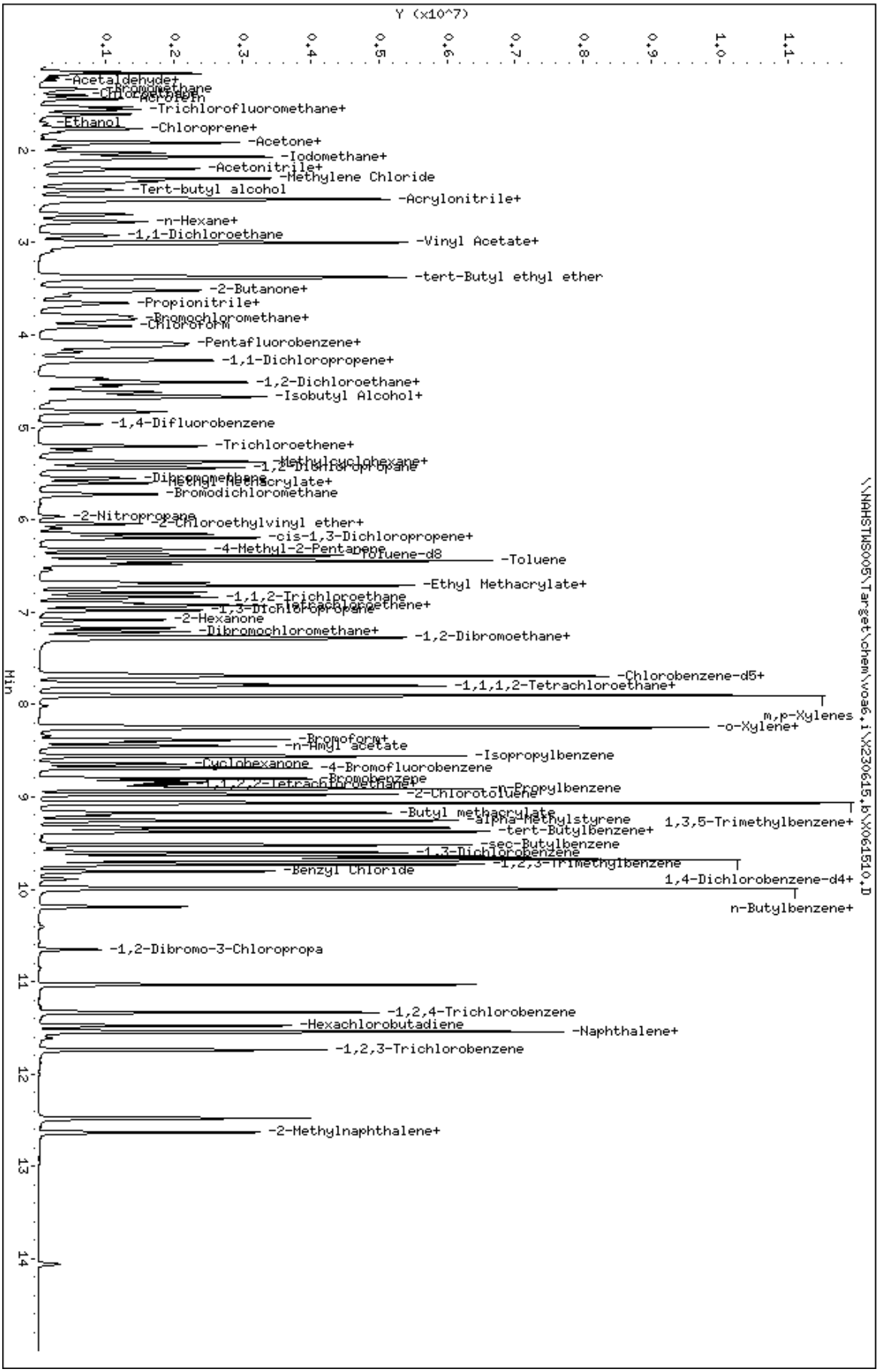
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
79	1,2,4-Trimethylbenzene	105	9.377	9.377	(0.971)	3046806	150.000	146.66
81	sec-Butylbenzene	105	9.519	9.519	(0.985)	3637698	150.000	150.35
82	p-Isopropyltoluene	119	9.647	9.647	(0.998)	3234520	150.000	152.70
83	1,3-Dichlorobenzene	146	9.602	9.602	(0.994)	1838273	150.000	148.54
84	1,4-Dichlorobenzene	146	9.681	9.681	(1.002)	1883662	150.000	142.20
86	Benzyl Chloride	91	9.804	9.808	(1.279)	1986937	150.000	166.55
87	n-Butylbenzene	91	9.992	9.992	(1.034)	2886932	150.000	160.02
88	1,2-Dichlorobenzene	146	9.988	9.992	(1.034)	1800734	150.000	146.65
89	1,2-Dibromo-3-Chloropropane	155	10.651	10.655	(1.102)	182534	150.000	148.64
90	1,2,4-Trichlorobenzene	180	11.334	11.334	(1.173)	1349005	150.000	157.93
91	Hexachlorobutadiene	225	11.476	11.476	(1.188)	614842	150.000	160.36
92	Naphthalene	128	11.536	11.540	(1.194)	2944619	150.000	153.13
93	1,2,3-Trichlorobenzene	180	11.739	11.739	(1.215)	1213404	150.000	154.38
146	Methyl acetate	43	2.232	2.232	(0.534)	443517	150.000	150.95
138	Freon TF	101	1.917	1.917	(0.459)	548562	150.000	151.80
141	Cyclohexane	56	4.121	4.121	(0.986)	967778	150.000	152.95
142	Tetrahydrofuran	42	3.840	3.844	(0.918)	215293	300.000	297.61
147	Methylcyclohexane	55	5.377	5.381	(1.083)	1751972	150.000	165.34(A)
135	1,4-Dioxane	88	5.598	5.598	(1.339)	184006	3000.00	3058.89
132	n-Butanol	56	5.253	5.253	(1.256)	401679	3000.00	2960.90
131	Methyl Acrylate	55	3.683	3.690	(0.881)	649317	150.000	161.51(M)
133	Ethyl Acrylate	55	5.377	5.381	(1.286)	1751972	150.000	151.60
136	n-Hexane	57	2.772	2.776	(0.663)	791040	150.000	149.41
139	Diethyl ether	59	1.760	1.760	(0.421)	458570	150.000	147.46
148	Tert-butyl alcohol	59	2.431	2.431	(0.581)	1427844	3000.00	2801.23
149	Isopropyl alcohol	45	2.097	2.093	(0.502)	816586	3000.00	2902.35
156	Diisopropyl ether	45	3.001	3.000	(0.718)	2160748	150.000	147.59
160	2-Methylnaphthalene	142	12.631	12.634	(1.307)	1352043	150.000	160.64
166	1,2,3-Trimethylbenzene	105	9.729	9.729	(1.007)	3057315	150.000	150.83
167	Ethanol	45	1.707	1.707	(0.408)	127474	3000.00	2686.89
172	tert-Butyl formate	59	4.620	4.612	(1.105)	1196724	300.000	292.75(A)
173	3,3-Dimethyl-1-butanol	57	7.289	7.285	(0.951)	1664675	3000.00	2818.10
174	tert-Amyl methyl ether	73	4.665	4.665	(1.116)	2367965	150.000	148.72
175	tert-Butyl ethyl ether	59	3.375	3.379	(0.807)	2214645	150.000	146.16
176	tert-Amyl alcohol	59	4.620	4.612	(1.105)	1196724	3000.00	2870.24
151	4-Methyl-2-pentanol	45	6.712	6.708	(1.352)	3406170	3000.00	2825.27
180	1-Methylnaphthalene	142	12.631	12.634	(1.307)	1352043	150.000	(a)
140	1,3-Butadiene	54	1.167	1.167	(0.279)	610268	150.000	148.35
152	Amyl alcohol	42	6.899	6.899	(0.900)	451743	3000.00	3357.05
158	Dichlorofluoromethane	67	1.531	1.535	(0.366)	1052332	150.000	147.51
159	Propylene oxide	43	1.805	1.805	(0.432)	101677	300.000	231.04
161	3-Methyl-1-butanol	55	6.899	6.899	(0.900)	427718	3000.00	3002.99
162	Butyl acrylate	55	8.249	8.249	(1.076)	1639896	150.000	152.49
163	Butyl methacrylate	41	9.171	9.167	(0.949)	1058796	150.000	147.62
164	Dicyclopentadiene	66	9.684	9.681	(1.002)	3392615	150.000	142.24
182	Epichlorohydrin	57	6.093	6.093	(1.227)	252651	600.000	557.11
M 94	1,2-Dichloroethylene (total)	96				1428285	300.000	(a)
145	alpha-Methylstyrene	118	9.257	9.257	(0.958)	1536179	150.000	152.28
130	Ethyl Acetate	43	3.653	3.657	(0.874)	677648	150.000	133.92
134	Cyclohexanone	55	8.642	8.642	(0.894)	717000	3000.00	3000.09
185	Isoprene	39	1.771	1.775	(0.424)	170486	150.000	126.20
188	Isopropyl acetate	43	4.672	4.676	(0.941)	1922342	150.000	146.82

187 n-Amyl acetate	43	8.451	8.451 (1.102)	1418221	150.000	146.63
189 n-Butyl acetate	43	7.210	7.210 (0.940)	1191202	150.000	153.99(H)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
150 Allyl alcohol	57	2.772	2.772	(0.663)	791040	3000.00	2988.03
194 Acetaldehyde	44	1.212	1.216	(0.290)	152553	600.000	590.61(M)
195 Methyl Amyl Ketone	43	8.380	8.380	(1.093)	1678861	150.000	157.86
200 Dimethyl Disulfide	94	6.194	6.194	(0.808)	1681271	150.000	156.96
202 Isobutylene	41	1.242	1.242	(0.297)	75658	150.000	159.41(M)
205 2-Ethylhexyl Acrylate	55	11.547	11.544	(1.195)	1215186	150.000	151.37

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.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.



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Client ID: VSTD150
Sample Info: VSTD150;VSTD150;1;9;
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Column phase: DB624

Instrument: voa6.i
Operator: PC
Column diameter: 0.18

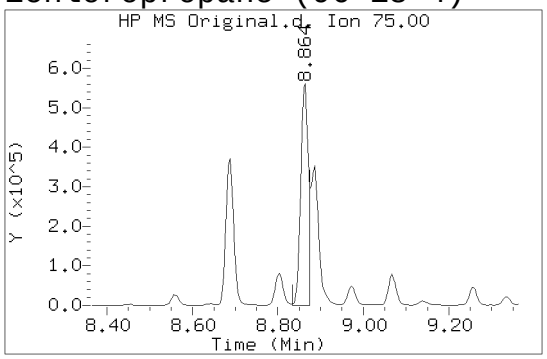
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LabSampID : VSTD150

1,2,3-Trichloropropane (96-18-4)

Reason Code:

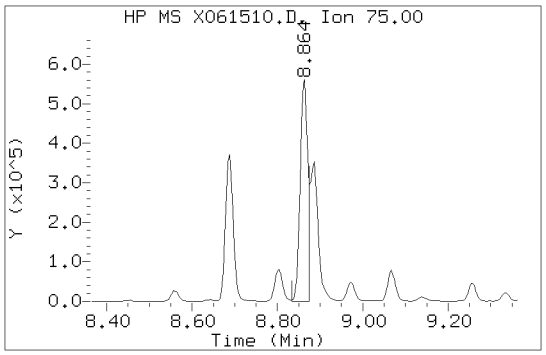
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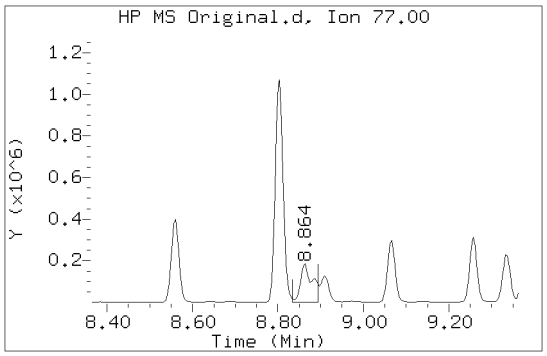
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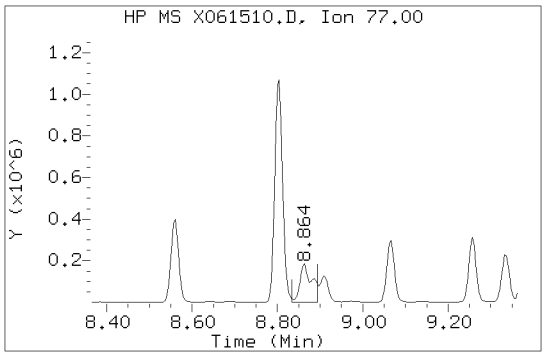
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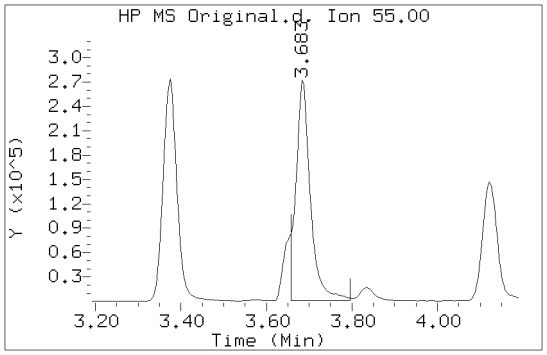


Methyl Acrylate (96-33-3)

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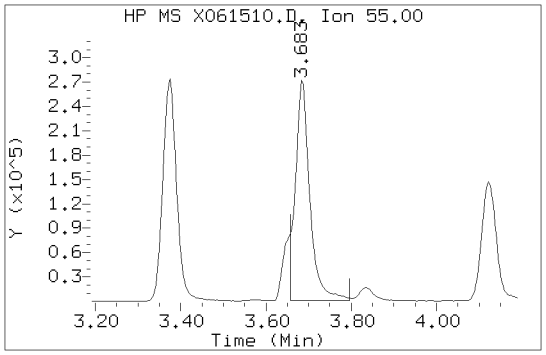
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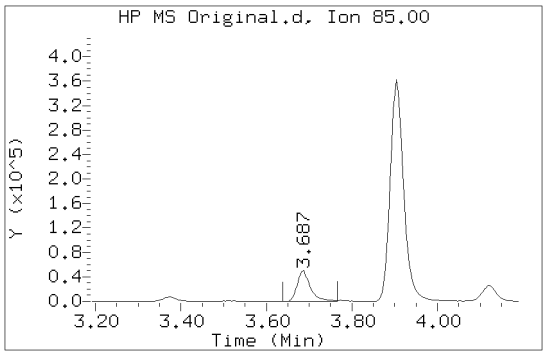
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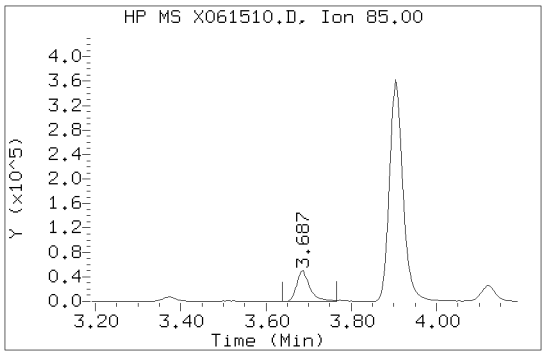
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AFTER

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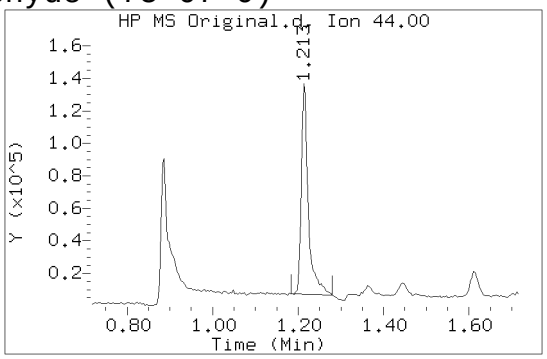
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InstruID : voa6.i
LabSampID : VSTD150

Acetaldehyde (75-07-0)

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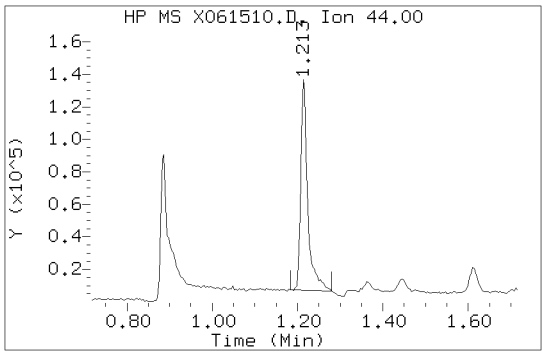
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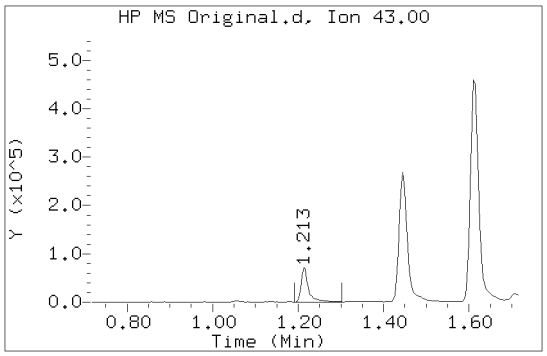
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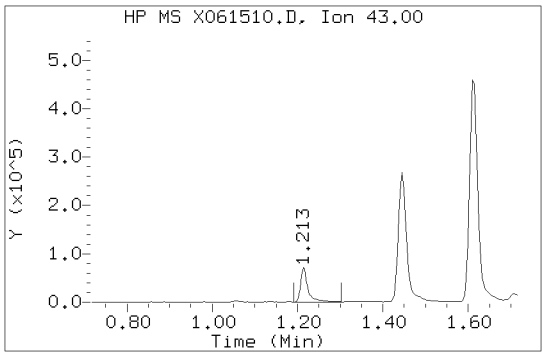
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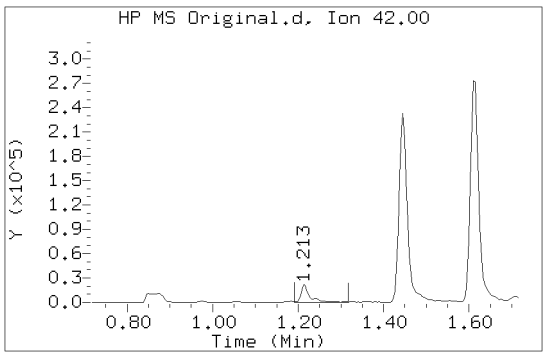
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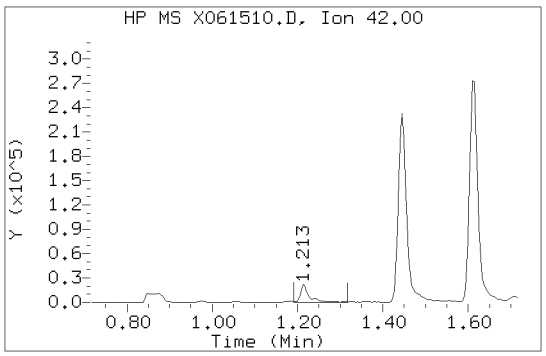
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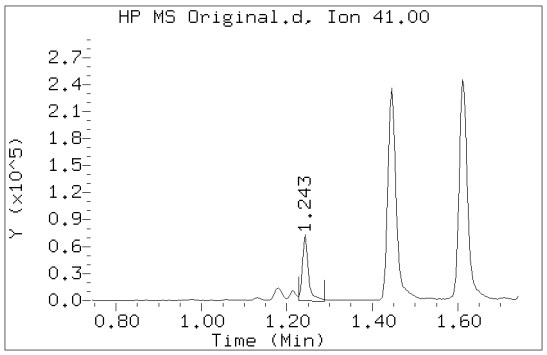


Isobutylene (115-11-7)

Reason Code:

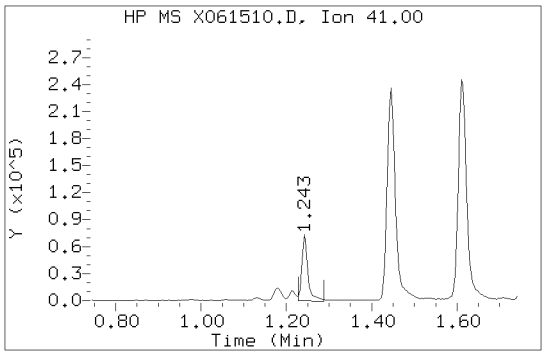
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AFTER

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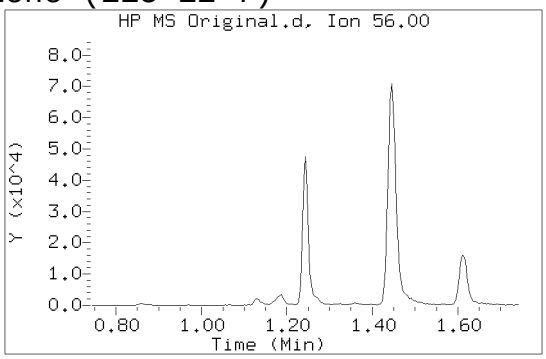


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LabSampID : VSTD150

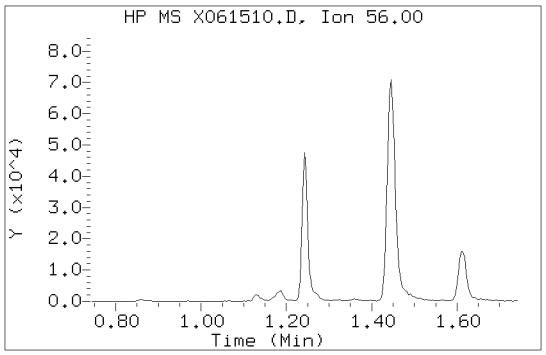
Isobutylene (115-11-7)

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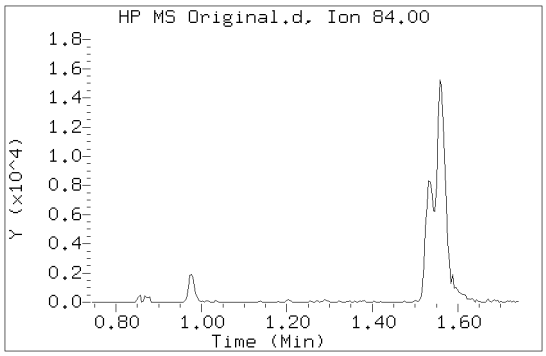
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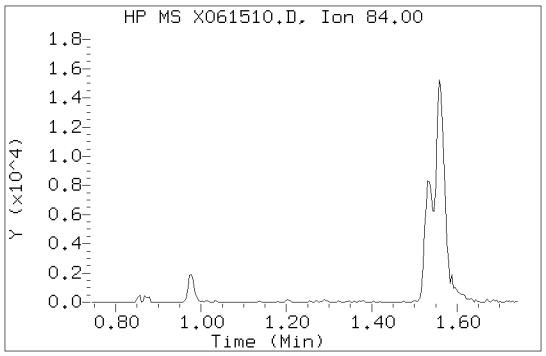
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BEFORE
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AFTER
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Report Date: 20-Jun-2023 18:25

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061511.D
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Inj Date : 15-JUN-2023 14:45
Operator : PC Inst ID: voa6.i
Smp Info : VSTD200;VSTD200;1;10;
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Cal Date : 15-JUN-2023 14:45 Cal File: X061511.D
Als bottle: 12 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 00000_8260.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
* 1	Pentafluorobenzene	168	4.181	4.181	(1.000)	500734	50.0000	
2	Dichlorodifluoromethane	85	0.976	0.976	(0.234)	870731	200.000	200.92(A)
3	Chloromethane	50	1.081	1.081	(0.259)	1090387	200.000	202.79(A)
4	Propionitrile	54	3.653	3.653	(0.874)	1249104	2000.00	2062.65(A)
5	Vinyl Chloride	62	1.145	1.149	(0.274)	1008184	200.000	191.71
6	Bromomethane	94	1.336	1.344	(0.320)	562025	200.000	186.18
7	Chloroethane	64	1.404	1.407	(0.336)	596342	200.000	185.51
8	Trichlorofluoromethane	101	1.561	1.565	(0.373)	1219530	200.000	195.14
9	Acrolein	56	1.445	1.449	(0.346)	130253	400.000	419.20(A)
10	Acetone	43	1.973	1.973	(0.472)	532376	400.000	408.57(A)
11	1,1-Dichloroethene	96	1.913	1.917	(0.458)	735339	200.000	187.57
12	Isobutyl Alcohol	43	4.676	4.676	(1.118)	2609313	4000.00	3996.46
13	Acetonitrile	39	2.198	2.202	(0.526)	973976	2000.00	2005.38(A)
14	Allyl Chloride	41	2.198	2.202	(0.526)	2178817	200.000	198.41
15	Iodomethane	142	2.030	2.030	(0.485)	2762966	400.000	400.85(A)
16	Acrylonitrile	53	2.532	2.536	(0.606)	656730	400.000	413.18(A)
17	Methylene Chloride	84	2.303	2.307	(0.551)	965975	200.000	174.44
18	Methyl tert-butyl ether	73	2.536	2.536	(0.606)	2607425	200.000	190.56
19	Carbon Disulfide	76	2.071	2.071	(0.495)	5590697	400.000	400.51(A)
20	trans-1,2-Dichloroethene	96	2.528	2.532	(0.605)	884359	200.000	188.52
21	Vinyl Acetate	43	2.997	2.997	(0.717)	4777086	400.000	381.54

22 1,1-Dichloroethane	63	2.922	2.922 (0.699)	1592034	200.000	188.39
23 Chloroprene	53	1.771	1.775 (0.424)	322483	200.000	193.76

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
24	2-Butanone	43	3.574	3.578	(0.855)	739267	400.000	448.61(A)
25	Methacrylonitrile	41	3.818	3.821	(0.913)	813003	200.000	196.77(aH)
26	2,2-Dichloropropane	77	3.510	3.514	(0.840)	1330788	200.000	199.57
27	cis-1,2-Dichloroethene	96	3.525	3.525	(0.843)	1026334	200.000	189.72
28	Chloroform	83	3.904	3.904	(0.934)	1629503	200.000	179.15
29	Bromochloromethane	128	3.791	3.795	(0.907)	536706	200.000	186.18
$ 30	Dibromofluoromethane	113	4.095	4.099	(0.979)	880893	200.000	198.00
31	1,1,1-Trichloroethane	97	4.080	4.084	(0.976)	1429867	200.000	194.50
32	1,1-Dichloropropene	75	4.279	4.279	(0.862)	1285848	200.000	197.36
33	1,2-Dichloroethane	62	4.552	4.556	(0.917)	1210936	200.000	185.49
34	Carbon Tetrachloride	117	4.264	4.264	(0.859)	1238094	200.000	197.60
$ 35	1,2-Dichloroethane-d4	65	4.470	4.470	(1.069)	943547	200.000	197.96
* 36	1,4-Difluorobenzene	114	4.965	4.965	(1.000)	777502	50.0000	
37	Benzene	78	4.511	4.511	(0.909)	3860956	200.000	193.05
38	Trichloroethene	130	5.205	5.205	(1.048)	1100510	200.000	199.57
39	Bromodichloromethane	83	5.722	5.722	(1.153)	1329286	200.000	187.89
40	Methyl Methacrylate	41	5.602	5.606	(1.340)	793003	200.000	204.57(A)
41	2-Chloroethylvinyl ether	63	6.044	6.048	(1.217)	772540	400.000	403.55(A)
42	1,2-Dichloropropane	63	5.433	5.437	(1.094)	1005868	200.000	191.61
43	2-Nitropropane	43	5.966	5.966	(1.427)	275555	200.000	204.17(AH)
44	Dibromomethane	93	5.550	5.550	(1.118)	616840	200.000	187.18
45	4-Methyl-2-Pentanone	43	6.326	6.322	(0.825)	1860837	400.000	388.95
46	cis-1,3-Dichloropropene	75	6.153	6.153	(1.239)	1727929	200.000	198.09
* 47	Chlorobenzene-d5	117	7.668	7.668	(1.000)	740608	50.0000	
$ 48	Toluene-d8	98	6.386	6.386	(0.833)	3423635	200.000	182.84
49	Ethyl Methacrylate	69	6.715	6.708	(1.353)	1105405	200.000	198.35
50	Toluene	91	6.446	6.445	(0.841)	4158414	200.000	191.25
51	trans-1,3-Dichloropropene	75	6.678	6.678	(1.345)	1476151	200.000	202.26(A)
52	2-Hexanone	43	7.087	7.083	(0.924)	1310331	400.000	410.03(A)
53	1,1,2-Trichloroethane	83	6.839	6.835	(0.892)	783101	200.000	184.87
54	1,3-Dichloropropane	76	6.982	6.978	(0.911)	1618260	200.000	188.94
55	Dibromochloromethane	129	7.173	7.173	(0.935)	1177842	200.000	196.20
56	Tetrachloroethene	164	6.925	6.925	(0.903)	893575	200.000	199.85
57	1,2-Dibromoethane	107	7.259	7.259	(0.947)	1022111	200.000	188.78
58	1-Chlorohexane	55	7.694	7.694	(1.550)	936346	200.000	198.03
59	Chlorobenzene	112	7.694	7.690	(1.003)	2846238	200.000	191.31
60	1,1,1,2-Tetrachloroethane	131	7.773	7.773	(1.014)	1086600	200.000	195.87
61	Ethylbenzene	106	7.799	7.799	(1.017)	1500758	200.000	195.79
62	m,p-Xylenes	106	7.904	7.900	(1.031)	3779135	400.000	399.80
63	o-Xylene	106	8.241	8.237	(1.075)	1840180	200.000	195.10
64	Styrene	104	8.256	8.256	(1.077)	3122657	200.000	200.99(A)
66	Bromoform	173	8.406	8.410	(1.096)	854791	200.000	204.24(A)
67	Isopropylbenzene	105	8.560	8.560	(1.116)	4678011	200.000	200.65(A)
68	1,1,2,2-Tetrachloroethane	83	8.837	8.837	(0.915)	1363444	200.000	178.47
$ 69	4-Bromofluorobenzene	95	8.687	8.687	(1.133)	1427380	200.000	198.99
* 70	1,4-Dichlorobenzene-d4	152	9.662	9.658	(1.000)	434451	50.0000	
71	1,2,3-Trichloropropane	75	8.863	8.863	(0.917)	991732	200.000	181.04
72	trans-1,4-Dichloro-2-butene	53	8.886	8.886	(1.159)	376547	200.000	208.89(A)
73	n-Propylbenzene	91	8.912	8.908	(0.922)	5621706	200.000	196.63
74	Bromobenzene	156	8.803	8.803	(0.911)	1365635	200.000	192.85
75	1,3,5-Trimethylbenzene	105	9.066	9.066	(0.938)	4092223	200.000	195.07
76	2-Chlorotoluene	91	8.972	8.972	(0.929)	3338118	200.000	183.86

77	4-Chlorotoluene	91	9.070	9.070 (0.939)	3900026	200.000	192.58
78	tert-Butylbenzene	119	9.336	9.336 (0.966)	3451610	200.000	197.49

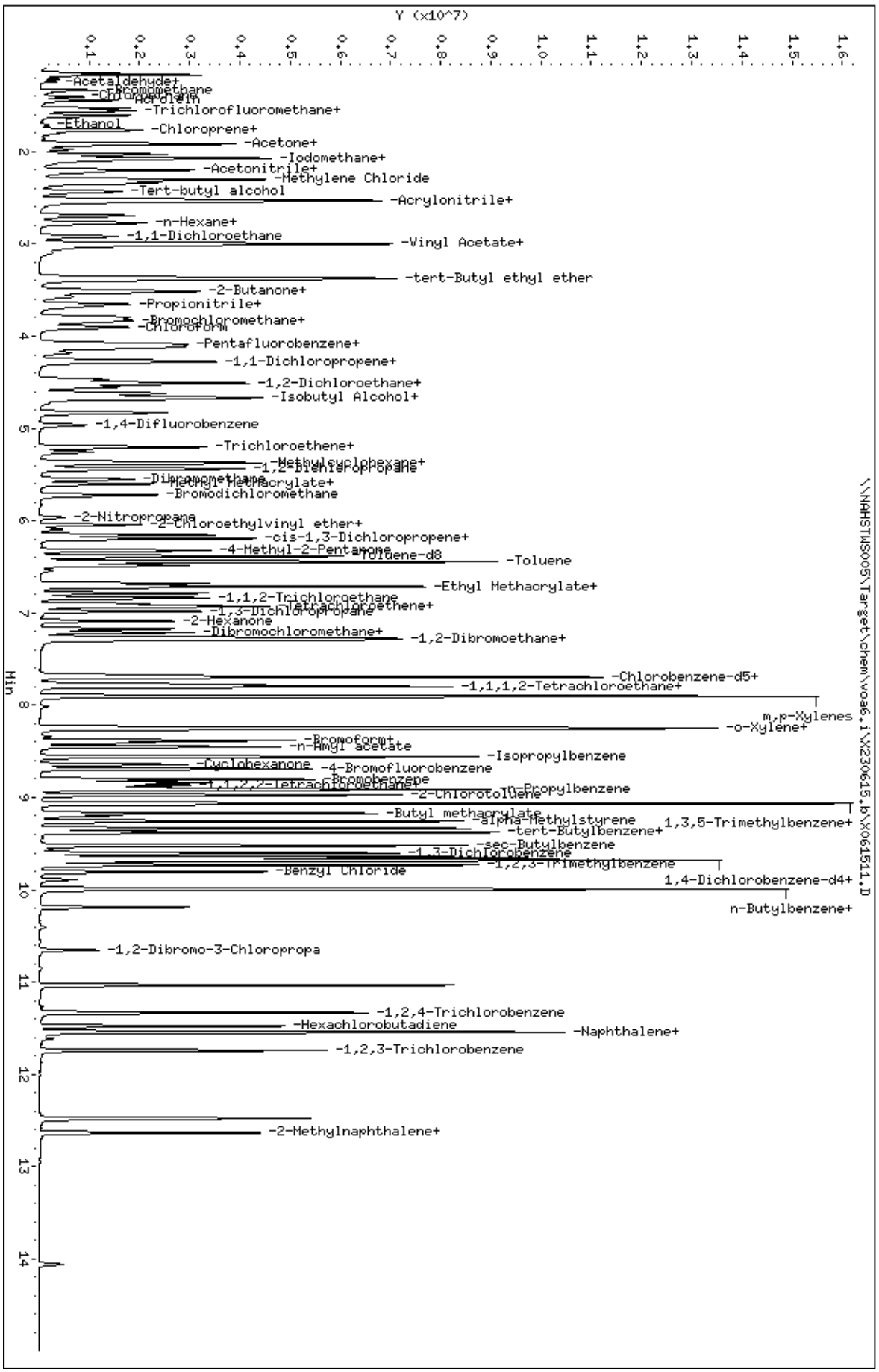
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
79	1,2,4-Trimethylbenzene	105	9.377	9.377	(0.971)	4101830	200.000	193.80
81	sec-Butylbenzene	105	9.519	9.519	(0.985)	4934096	200.000	200.17(A)
82	p-Isopropyltoluene	119	9.651	9.647	(0.999)	4354959	200.000	201.80(A)
83	1,3-Dichlorobenzene	146	9.602	9.602	(0.994)	2489876	200.000	197.48
84	1,4-Dichlorobenzene	146	9.681	9.681	(1.002)	2548117	200.000	188.81
86	Benzyl Chloride	91	9.804	9.808	(1.279)	2673170	200.000	218.52(A)
87	n-Butylbenzene	91	9.992	9.992	(1.034)	3887765	200.000	211.52(A)
88	1,2-Dichlorobenzene	146	9.988	9.992	(1.034)	2411595	200.000	192.77
89	1,2-Dibromo-3-Chloropropane	155	10.651	10.655	(1.102)	252682	200.000	201.87(A)
90	1,2,4-Trichlorobenzene	180	11.334	11.334	(1.173)	1825345	200.000	209.75(A)
91	Hexachlorobutadiene	225	11.476	11.476	(1.188)	844451	200.000	216.17(A)
92	Naphthalene	128	11.540	11.540	(1.194)	3981585	200.000	203.23(A)
93	1,2,3-Trichlorobenzene	180	11.739	11.739	(1.215)	1629136	200.000	203.44(A)
146	Methyl acetate	43	2.228	2.232	(0.533)	591833	200.000	199.68
138	Freon TF	101	1.917	1.917	(0.459)	742502	200.000	198.98
141	Cyclohexane	56	4.121	4.121	(0.986)	1339211	200.000	209.80(A)
142	Tetrahydrofuran	42	3.840	3.844	(0.918)	288575	400.000	395.43
147	Methylcyclohexane	55	5.377	5.381	(1.083)	2344010	200.000	215.71(A)
135	1,4-Dioxane	88	5.598	5.598	(1.339)	251392	4000.00	4142.70(A)
132	n-Butanol	56	5.253	5.253	(1.256)	566916	4000.00	4116.53(A)
131	Methyl Acrylate	55	3.683	3.690	(0.881)	844222	200.000	208.16(AM)
133	Ethyl Acrylate	55	5.377	5.381	(1.286)	2344010	200.000	200.29(A)
136	n-Hexane	57	2.772	2.776	(0.663)	1078975	200.000	185.23
139	Diethyl ether	59	1.760	1.760	(0.421)	599110	200.000	190.97
148	Tert-butyl alcohol	59	2.434	2.431	(0.582)	1985652	4000.00	3861.64
149	Isopropyl alcohol	45	2.101	2.093	(0.502)	1121361	4000.00	3950.87
156	Diisopropyl ether	45	3.001	3.000	(0.718)	2810226	200.000	190.29
160	2-Methylnaphthalene	142	12.635	12.634	(1.308)	1856948	200.000	216.55(A)
166	1,2,3-Trimethylbenzene	105	9.729	9.729	(1.007)	4027136	200.000	195.00
167	Ethanol	45	1.711	1.707	(0.409)	164628	4000.00	3439.79
172	tert-Butyl formate	59	4.620	4.612	(1.105)	1716317	400.000	416.20(A)
173	3,3-Dimethyl-1-butanol	57	7.289	7.285	(0.951)	2284760	4000.00	3771.87
174	tert-Amyl methyl ether	73	4.665	4.665	(1.116)	3031355	200.000	188.73
175	tert-Butyl ethyl ether	59	3.375	3.379	(0.807)	2921006	200.000	191.10
176	tert-Amyl alcohol	59	4.620	4.612	(1.105)	1716317	4000.00	4080.59(A)
151	4-Methyl-2-pentanol	45	6.715	6.708	(1.353)	4769923	4000.00	3857.96
180	1-Methylnaphthalene	142	12.635	12.634	(1.308)	1856948	200.000	(a)
140	1,3-Butadiene	54	1.167	1.167	(0.279)	817942	200.000	197.11
152	Amyl alcohol	42	6.899	6.899	(0.900)	628432	4000.00	4554.22(A)
158	Dichlorofluoromethane	67	1.531	1.535	(0.366)	1380643	200.000	191.85
159	Propylene oxide	43	1.805	1.805	(0.432)	129706	400.000	292.17
161	3-Methyl-1-butanol	55	6.899	6.899	(0.900)	594725	4000.00	4059.34(A)
162	Butyl acrylate	55	8.249	8.249	(1.076)	2199388	200.000	199.27
163	Butyl methacrylate	41	9.171	9.167	(0.949)	1360235	200.000	186.15
164	Dicyclopentadiene	66	9.684	9.681	(1.002)	4448649	200.000	183.07
182	Epichlorohydrin	57	6.093	6.093	(1.227)	344824	800.000	741.43
M 94	1,2-Dichloroethylene (total)	96				1910693	400.000	(a)
145	alpha-Methylstyrene	118	9.257	9.257	(0.958)	2087733	200.000	203.13(A)
130	Ethyl Acetate	43	3.653	3.657	(0.874)	911790	200.000	178.63
134	Cyclohexanone	55	8.642	8.642	(0.894)	970775	4000.00	3991.19
185	Isoprene	39	1.771	1.775	(0.424)	228794	200.000	167.89
188	Isopropyl acetate	43	4.676	4.676	(0.942)	2610700	200.000	194.43

187 n-Amyl acetate	43	8.451	8.451 (1.102)	1947829	200.000	196.39
189 n-Butyl acetate	43	7.210	7.210 (0.940)	1653381	200.000	208.44(AH)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
150 Allyl alcohol	57	2.772	2.772	(0.663)	1078975	4000.00	3702.64
194 Acetaldehyde	44	1.212	1.216	(0.290)	210164	800.000	807.82(AM)
195 Methyl Amyl Ketone	43	8.380	8.380	(1.093)	2319422	200.000	212.69
200 Dimethyl Disulfide	94	6.194	6.194	(0.808)	2229099	200.000	202.95(A)
202 Isobutylene	41	1.242	1.242	(0.297)	87901	200.000	183.59(M)
205 2-Ethylhexyl Acrylate	55	11.547	11.544	(1.195)	1627894	200.000	198.64

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.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.



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Sample Info: VSTD200,VSTD200,1,10,
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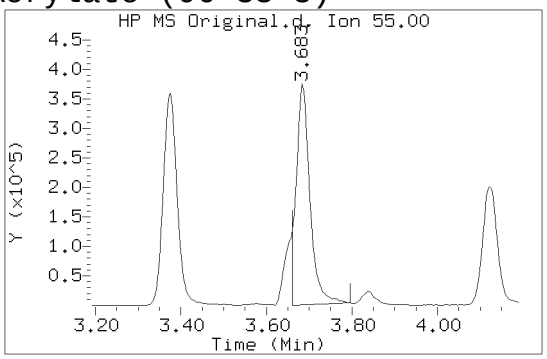
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Operator: PC
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LabSampID : VSTD200

Methyl Acrylate (96-33-3)

BEFORE

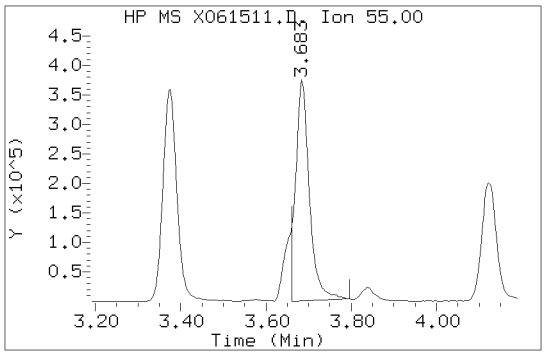
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20-Jun-2023
18:22
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Reason Code:

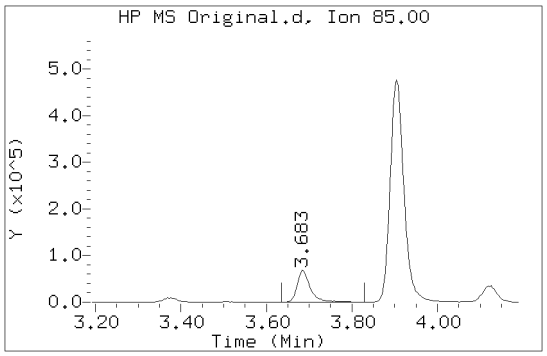
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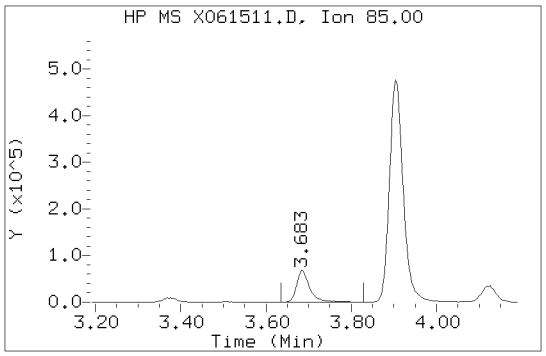
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AFTER

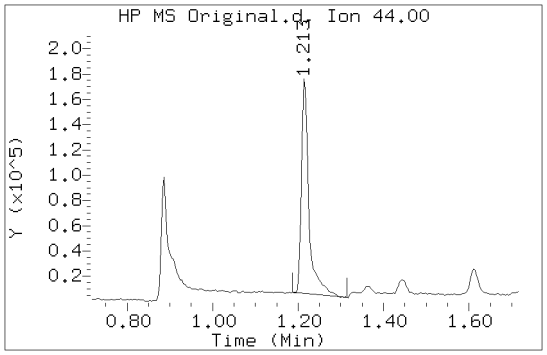
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Acetaldehyde (75-07-0)

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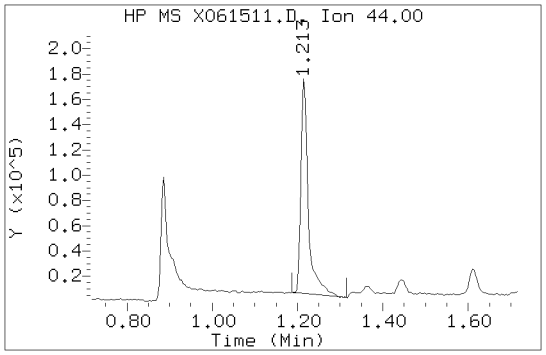
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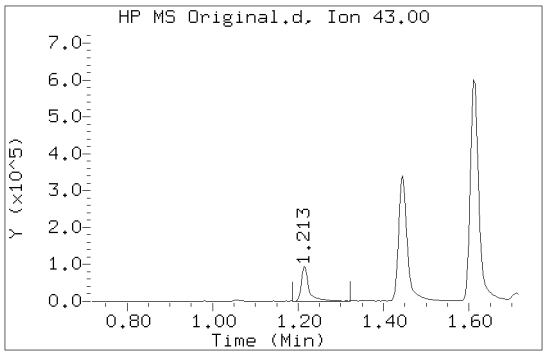
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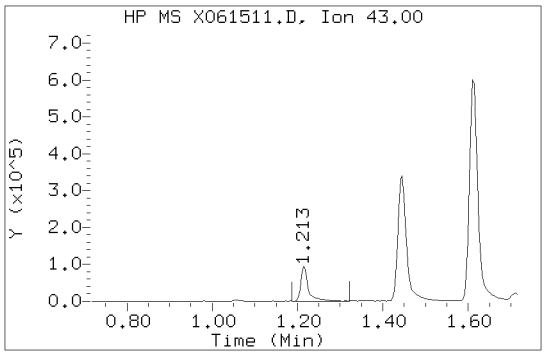
BEFORE

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20-Jun-2023
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AFTER

MASS
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20-Jun-2023
18:24
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pham



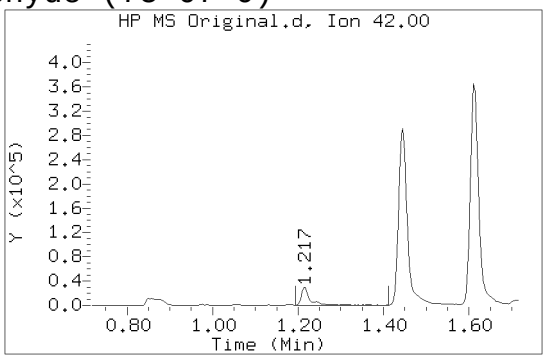
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LabSampID : VSTD200

Acetaldehyde (75-07-0)

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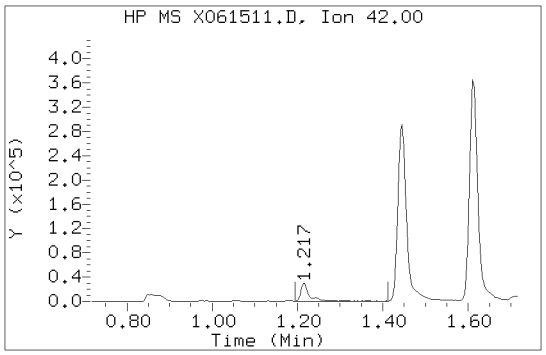
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AFTER

MASS
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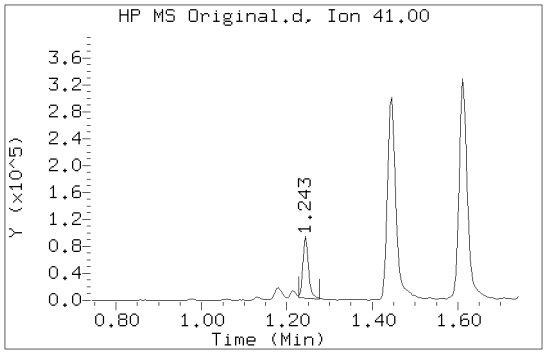


Isobutylene (115-11-7)

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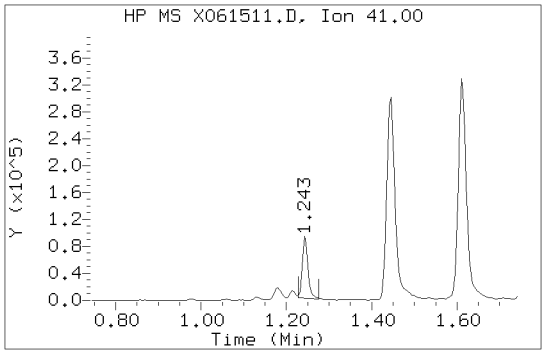
BEFORE

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20-Jun-2023
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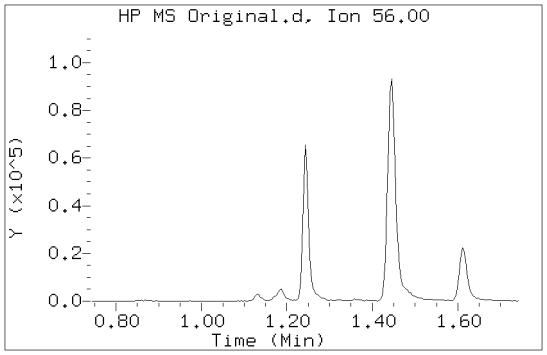
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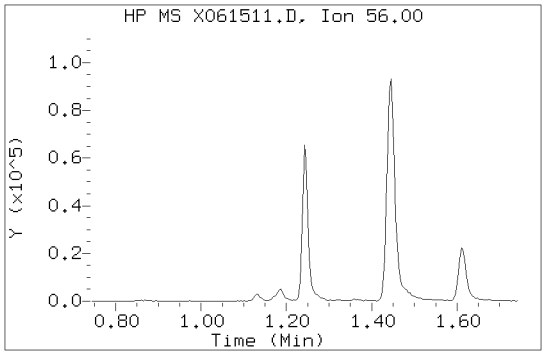
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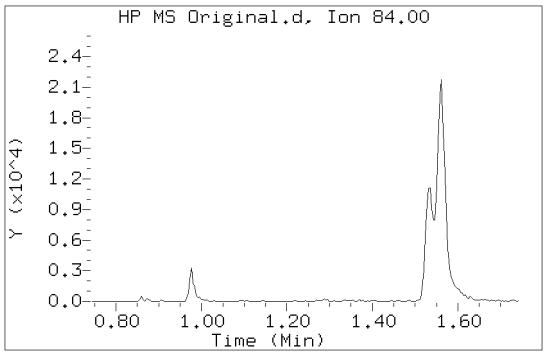
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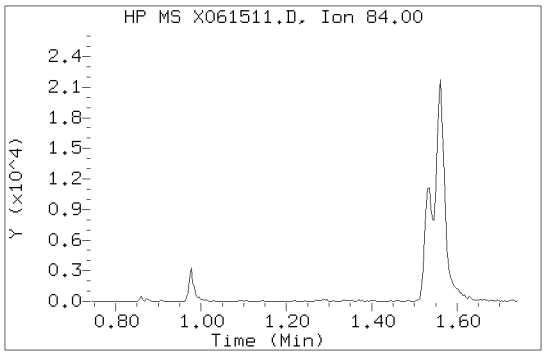
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AFTER

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ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa6.i\X230615.b\X061514.D
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Inj Date : 15-JUN-2023 15:47
Operator : PC Inst ID: voa6.i
Smp Info : CCV;CCV;2;;ICV
Misc Info : V6;WATER;0;1;
Comment :
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Meth Date : 20-Jun-2023 18:24 voa6.i Quant Type: ISTD
Cal Date : 15-JUN-2023 14:45 Cal File: X061511.D
Als bottle: 15 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 00000_8260.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.181	4.181	(1.000)	509722	50.0000	
2 Dichlorodifluoromethane	85	0.976	0.976	(0.234)	214534	48.8826	48.88
3 Chloromethane	50	1.081	1.081	(0.259)	258398	47.9982	47.99
4 Propionitrile	54	3.649	3.653	(0.873)	307140	498.240	498.23
5 Vinyl Chloride	62	1.149	1.149	(0.275)	245673	45.8930	45.89
6 Bromomethane	94	1.344	1.344	(0.321)	144213	46.9322	46.93
7 Chloroethane	64	1.407	1.407	(0.337)	150976	46.1389	46.13
8 Trichlorofluoromethane	101	1.565	1.565	(0.374)	294811	46.3438	46.34
9 Acrolein	56	1.449	1.449	(0.347)	32873	103.933	103.93
10 Acetone	43	1.973	1.973	(0.472)	116365	87.5170	87.51
11 1,1-Dichloroethene	96	1.917	1.917	(0.459)	176439	44.2134	44.21
12 Isobutyl Alcohol	43	4.676	4.676	(1.118)	651365	980.049	980.04
13 Acetonitrile	39	2.202	2.202	(0.527)	244238	494.012	494.01
14 Allyl Chloride	41	2.202	2.202	(0.527)	549138	49.1255	49.12
15 Iodomethane	142	2.030	2.030	(0.485)	608491	92.1912	92.19
16 Acrylonitrile	53	2.536	2.536	(0.606)	152210	94.0753	94.07
17 Methylene Chloride	84	2.307	2.307	(0.552)	246468	43.7245	43.72
18 Methyl tert-butyl ether	73	2.536	2.536	(0.606)	659861	47.3759	47.37
19 Carbon Disulfide	76	2.071	2.071	(0.495)	1287120	90.5820	90.58
20 trans-1,2-Dichloroethene	96	2.532	2.532	(0.606)	215985	45.2311	45.23
21 Vinyl Acetate	43	2.997	2.997	(0.717)	1325257	103.982	103.98

22 1,1-Dichloroethane	63	2.922	2.922 (0.699)	397167	46.1701	46.17
23 Chloroprene	53	1.775	1.775 (0.424)	75864	44.7792	44.77(M)

			QUANT SIG					CONCENTRATIONS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/l)	FINAL (ug/l)
	24	2-Butanone	43	3.578	3.578	(0.856)	171772	102.399	102.39
	25	Methacrylonitrile	41	3.821	3.821	(0.914)	205167	48.7822	48.78(a)
	26	2,2-Dichloropropane	77	3.507	3.514	(0.839)	334289	49.2448	49.24
	27	cis-1,2-Dichloroethene	96	3.525	3.525	(0.843)	255198	46.3440	46.34
	28	Chloroform	83	3.904	3.904	(0.934)	410273	44.3120	44.31
	29	Bromochloromethane	128	3.791	3.795	(0.907)	131825	44.9251	44.92
$	30	Dibromofluoromethane	113	4.095	4.099	(0.979)	231563	50.8743	50.87
	31	1,1,1-Trichloroethane	97	4.084	4.084	(0.977)	336318	44.9425	44.94
	32	1,1-Dichloropropene	75	4.279	4.279	(0.862)	300244	46.8218	46.82
	33	1,2-Dichloroethane	62	4.556	4.556	(0.918)	315493	49.1002	49.10
	34	Carbon Tetrachloride	117	4.264	4.264	(0.859)	284726	46.1687	46.16
$	35	1,2-Dichloroethane-d4	65	4.470	4.470	(1.069)	245968	50.0578	50.05
*	36	1,4-Difluorobenzene	114	4.965	4.965	(1.000)	765274	50.0000	
	37	Benzene	78	4.511	4.511	(0.909)	926258	47.0543	47.05
	38	Trichloroethene	130	5.205	5.205	(1.048)	253674	46.7386	46.73
	39	Bromodichloromethane	83	5.726	5.722	(1.153)	323221	46.4181	46.41
	40	Methyl Methacrylate	41	5.606	5.606	(1.341)	195129	49.4504	49.45
	41	2-Chloroethylvinyl ether	63	6.044	6.048	(1.217)	193194	102.531	102.53
	42	1,2-Dichloropropane	63	5.433	5.437	(1.094)	250346	48.4517	48.45
	43	2-Nitropropane	43	5.966	5.966	(1.427)	66738	48.5782	48.57
	44	Dibromomethane	93	5.550	5.550	(1.118)	156421	48.2255	48.22
	45	4-Methyl-2-Pentanone	43	6.322	6.322	(0.824)	454515	97.9815	97.98
	46	cis-1,3-Dichloropropene	75	6.153	6.153	(1.239)	423471	49.3235	49.32
*	47	Chlorobenzene-d5	117	7.668	7.668	(1.000)	718105	50.0000	
$	48	Toluene-d8	98	6.385	6.386	(0.833)	882596	48.6137	48.61
	49	Ethyl Methacrylate	69	6.708	6.708	(1.351)	233775	42.6194	42.61
	50	Toluene	91	6.445	6.445	(0.841)	998880	47.3815	47.38
	51	trans-1,3-Dichloropropene	75	6.678	6.678	(1.345)	356578	49.6394	49.63
	52	2-Hexanone	43	7.083	7.083	(0.924)	305522	98.6011	98.60
	53	1,1,2-Trichloroethane	83	6.835	6.835	(0.891)	193376	47.0835	47.08
	54	1,3-Dichloropropane	76	6.978	6.978	(0.910)	402435	48.4613	48.46
	55	Dibromochloromethane	129	7.173	7.173	(0.935)	279460	48.0113	48.01
	56	Tetrachloroethene	164	6.925	6.925	(0.903)	197937	45.6581	45.65
	57	1,2-Dibromoethane	107	7.259	7.259	(0.947)	249128	47.4564	47.45
	58	1-Chlorohexane	55	7.694	7.694	(1.550)	211982	45.5501	45.55
	59	Chlorobenzene	112	7.690	7.690	(1.003)	674130	46.7334	46.73
	60	1,1,1,2-Tetrachloroethane	131	7.772	7.773	(1.014)	252112	46.8710	46.87
	61	Ethylbenzene	106	7.799	7.799	(1.017)	340331	45.7927	45.79
	62	m,p-Xylenes	106	7.900	7.900	(1.030)	872232	95.1686	95.16
	63	o-Xylene	106	8.241	8.237	(1.075)	422526	46.2011	46.20
	64	Styrene	104	8.256	8.256	(1.077)	731241	48.5426	48.54
	66	Bromoform	173	8.406	8.410	(1.096)	195942	48.2868	48.28
	67	Isopropylbenzene	105	8.560	8.560	(1.116)	1032573	45.6790	45.67
	68	1,1,2,2-Tetrachloroethane	83	8.837	8.837	(0.915)	329570	46.2456	46.24
$	69	4-Bromofluorobenzene	95	8.687	8.687	(1.133)	354160	50.5205	50.52
*	70	1,4-Dichlorobenzene-d4	152	9.658	9.658	(1.000)	405289	50.0000	
	71	1,2,3-Trichloropropane	75	8.863	8.863	(0.918)	240888	47.1386	47.13
	72	trans-1,4-Dichloro-2-butene	53	8.886	8.886	(1.159)	89627	51.2789	51.27
	73	n-Propylbenzene	91	8.908	8.908	(0.922)	1239999	46.4940	46.49
	74	Bromobenzene	156	8.803	8.803	(0.912)	315772	47.8031	47.80
	75	1,3,5-Trimethylbenzene	105	9.066	9.066	(0.939)	902621	46.1233	46.12
	76	2-Chlorotoluene	91	8.972	8.972	(0.929)	765561	45.2024	45.20

77	4-Chlorotoluene	91	9.070	9.070 (0.939)	883443	46.7644	46.76
78	tert-Butylbenzene	119	9.332	9.336 (0.966)	736998	45.2039	45.20

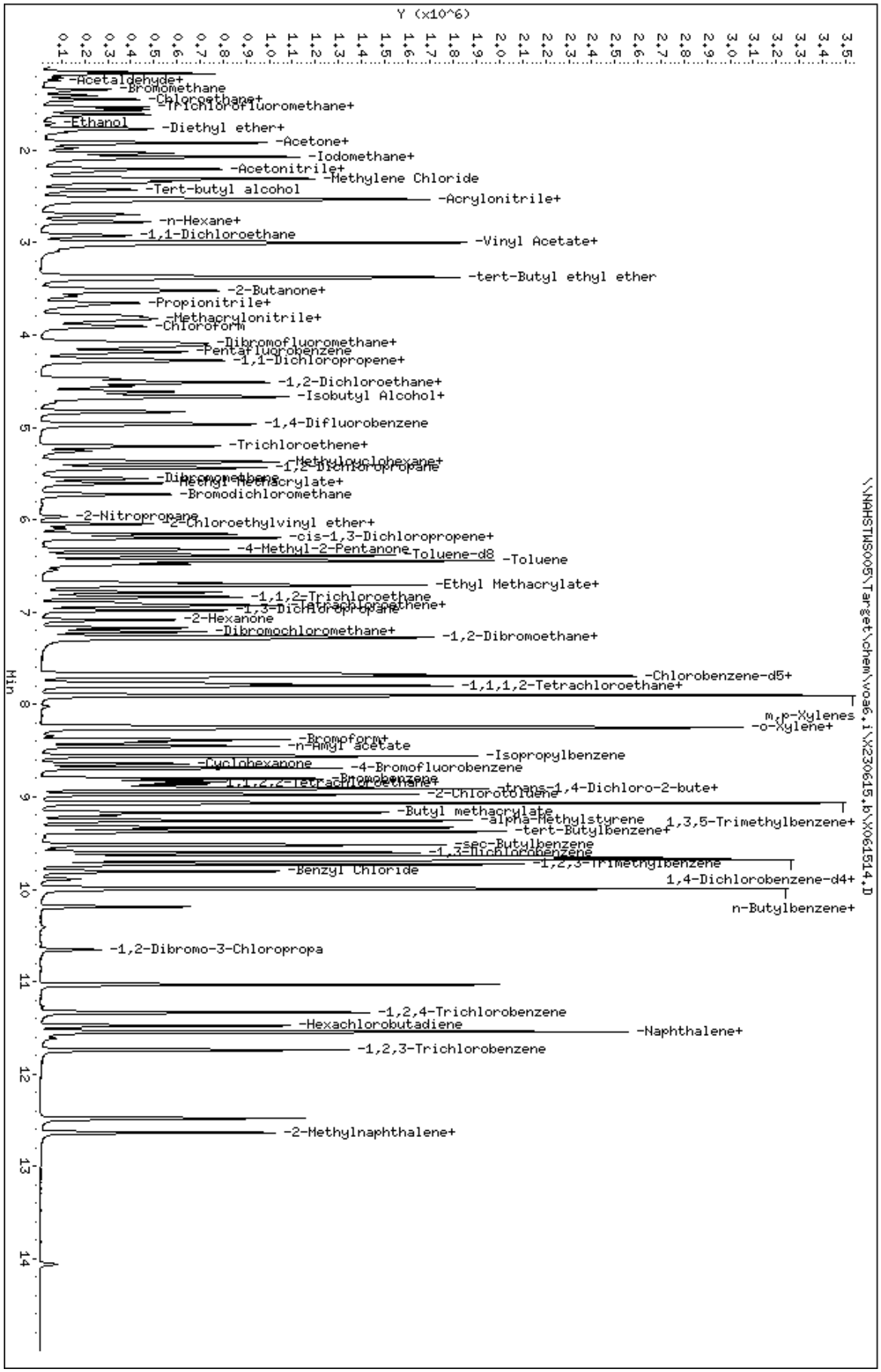
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)	
79	1,2,4-Trimethylbenzene	105	9.377	9.377	(0.971)	912898	46.2361	46.23	
81	sec-Butylbenzene	105	9.519	9.519	(0.986)	1040841	45.2652	45.26	
82	p-Isopropyltoluene	119	9.647	9.647	(0.999)	938869	46.6363	46.63	
83	1,3-Dichlorobenzene	146	9.602	9.602	(0.994)	556559	47.3190	47.31	
84	1,4-Dichlorobenzene	146	9.681	9.681	(1.002)	583574	46.3543	46.35	
86	Benzyl Chloride	91	9.804	9.808	(1.279)	626201	52.7942	52.79	
87	n-Butylbenzene	91	9.992	9.992	(1.035)	835815	48.7460	48.74	
88	1,2-Dichlorobenzene	146	9.992	9.992	(1.035)	552785	47.3667	47.36	
89	1,2-Dibromo-3-Chloropropane	155	10.655	10.655	(1.103)	58604	50.3869	50.38	
90	1,2,4-Trichlorobenzene	180	11.334	11.334	(1.173)	410761	50.5971	50.59	
91	Hexachlorobutadiene	225	11.476	11.476	(1.188)	181092	49.6950	49.69	
92	Naphthalene	128	11.540	11.540	(1.195)	958210	52.4312	52.43	
93	1,2,3-Trichlorobenzene	180	11.739	11.739	(1.215)	379747	50.8353	50.83	
146	Methyl acetate	43	2.232	2.232	(0.534)	146905	48.6925	48.69	
138	Freon TF	101	1.917	1.917	(0.459)	176578	49.7965	49.79	
141	Cyclohexane	56	4.121	4.121	(0.986)	304147	46.8095	46.80	
142	Tetrahydrofuran	42	3.844	3.844	(0.919)	72193	97.1828	97.18	
147	Methylcyclohexane	55	5.381	5.381	(1.084)	572402	53.5176	53.51	
135	1,4-Dioxane	88	5.598	5.598	(1.339)	60399	977.769	977.76	
132	n-Butanol	56	5.253	5.253	(1.256)	115761	877.798	877.79	
131	Methyl Acrylate	55	3.690	3.690	(0.883)	218984	53.0445	53.04	
133	Ethyl Acrylate	55	5.381	5.381	(1.287)	572402	49.8469	49.84	
136	n-Hexane	57	2.772	2.776	(0.663)	235619	50.4611	50.46	
139	Diethyl ether	59	1.760	1.760	(0.421)	149426	46.7925	46.79	
148	Tert-butyl alcohol	59	2.427	2.431	(0.580)	475653	908.726	908.72	
149	Isopropyl alcohol	45	2.093	2.093	(0.501)	262728	909.344	909.34	
156	Diisopropyl ether	45	3.000	3.000	(0.718)	720807	47.9480	47.94	
160	2-Methylnaphthalene	142	12.634	12.634	(1.308)	412966	51.6255	51.62	
166	1,2,3-Trimethylbenzene	105	9.729	9.729	(1.007)	962880	49.9814	49.98	
167	Ethanol	45	1.707	1.707	(0.408)	42882	880.193	880.19	
172	tert-Butyl formate	59	4.612	4.612	(1.103)	377999	90.0470	90.04	
173	3,3-Dimethyl-1-butanol	57	7.285	7.285	(0.950)	491431	836.719	836.71	
174	tert-Amyl methyl ether	73	4.665	4.665	(1.116)	767180	46.9237	46.92	
175	tert-Butyl ethyl ether	59	3.379	3.379	(0.808)	732420	47.0732	47.07	
176	tert-Amyl alcohol	59	4.612	4.612	(1.103)	377999	882.856	882.85	
151	4-Methyl-2-pentanol	45	6.708	6.708	(1.351)	1019666	837.894	837.89	
180	1-Methylnaphthalene	142	12.634	12.634	(1.308)	412966			(a)
140	1,3-Butadiene	54	1.167	1.167	(0.279)	197461	46.7466	46.74	
152	Amyl alcohol	42	6.899	6.899	(0.900)	134777	1007.33	1007.33	
158	Dichlorofluoromethane	67	1.535	1.535	(0.367)	346552	47.3072	47.30	
159	Propylene oxide	43	1.805	1.805	(0.432)	34962	77.3664	77.36	
161	3-Methyl-1-butanol	55	6.899	6.899	(0.900)	128525	932.271	932.27	
162	Butyl acrylate	55	8.249	8.249	(1.076)	517977	48.8182	48.81	
163	Butyl methacrylate	41	9.167	9.167	(0.949)	356803	52.3425	52.34	
164	Dicyclopentadiene	66	9.681	9.681	(1.002)	1084753	47.8537	47.85	
182	Epichlorohydrin	57	6.093	6.093	(1.227)	86073	188.030	188.03	
M 94	1,2-Dichloroethylene (total)	96				471183	91.5752	91.57	
M 95	Xylenes (total)	106				1294758	141.370	141.36	
145	alpha-Methylstyrene	118	9.257	9.257	(0.958)	464373	48.4344	48.43	
130	Ethyl Acetate	43	3.653	3.657	(0.874)	232567	44.7604	44.76	
134	Cyclohexanone	55	8.642	8.642	(0.895)	220343	961.261	961.26	
185	Isoprene	39	1.775	1.775	(0.424)	56227	40.5342	40.53	

188 Isopropyl acetate	43	4.676	4.676 (0.942)	654077	49.4906	49.49
187 n-Amyl acetate	43	8.451	8.451 (1.102)	451123	46.9115	46.91

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
189 n-Butyl acetate	43	7.210	7.210	(0.940)	389990	50.7070	50.70
150 Allyl alcohol	57	2.772	2.772	(0.663)	235619	1009.19	1009.18
194 Acetaldehyde	44	1.216	1.216	(0.291)	49504	184.279	184.27(M)
195 Methyl Amyl Ketone	43	8.380	8.380	(1.093)	514505	48.6589	48.65
200 Dimethyl Disulfide	94	6.194	6.194	(0.808)	538113	50.5285	50.52
202 Isobutylene	41	1.242	1.242	(0.297)	21692	44.5092	44.50(M)
205 2-Ethylhexyl Acrylate	55	11.544	11.544	(1.195)	388849	51.8072	51.80

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.



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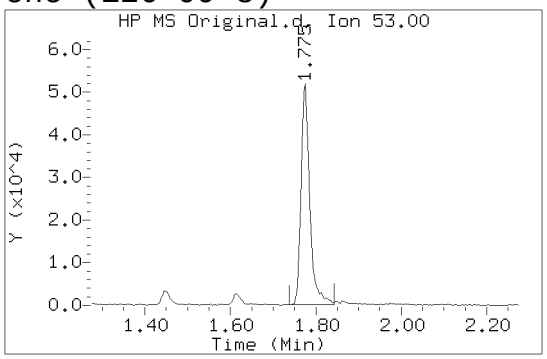
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Operator: PC
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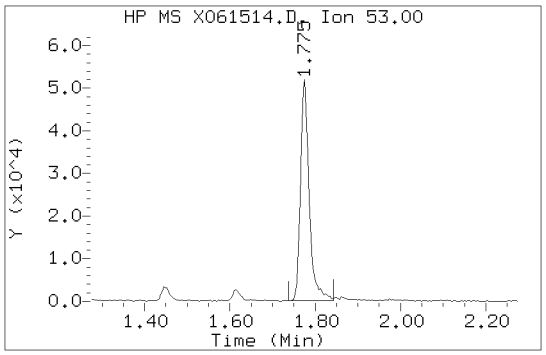
Chloroprene (126-99-8)

Reason Code:

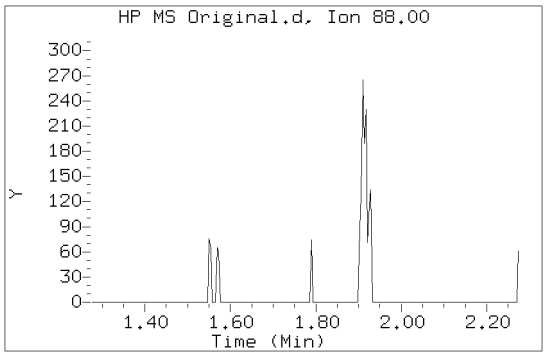
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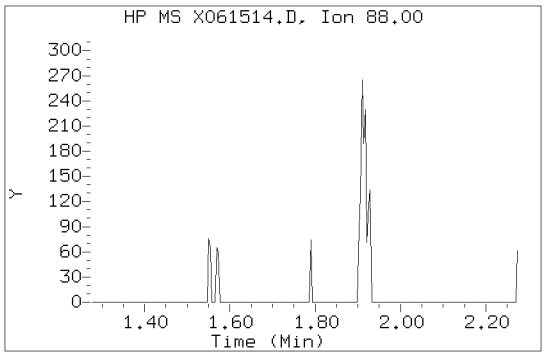
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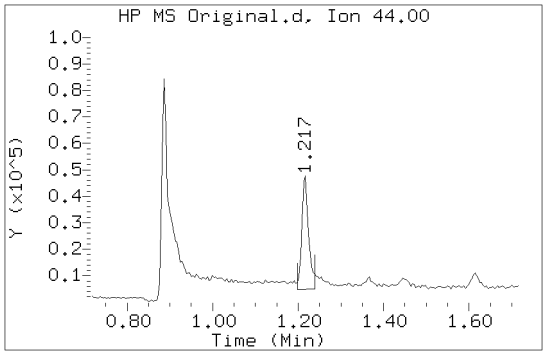
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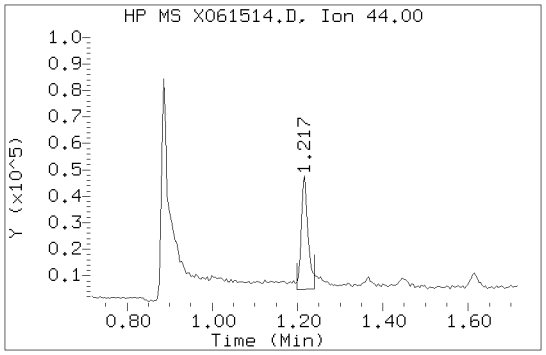
Acetaldehyde (75-07-0)

Reason Code:

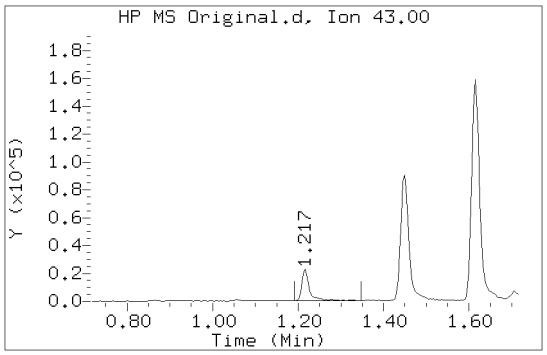
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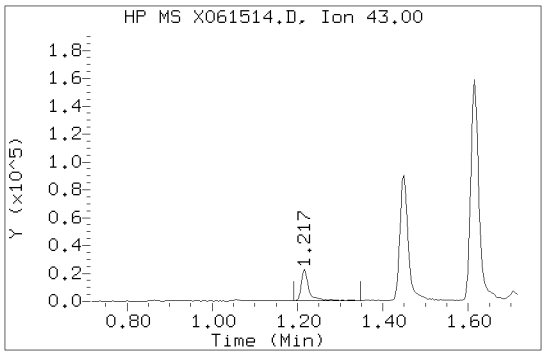
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20-Jun-2023
18:25
linh
pham



BEFORE
MASS
43
AREA
28030
HEIGHT
22339
20-Jun-2023
18:22
linh
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AFTER
MASS
43
AREA
28030
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22339
20-Jun-2023
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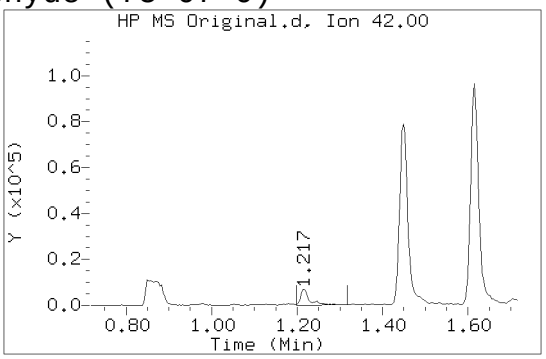
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Inj Date : 15-JUN-2023 15:47
InstruID : voa6.i
LabSampID : ICV

Acetaldehyde (75-07-0)

Reason Code:

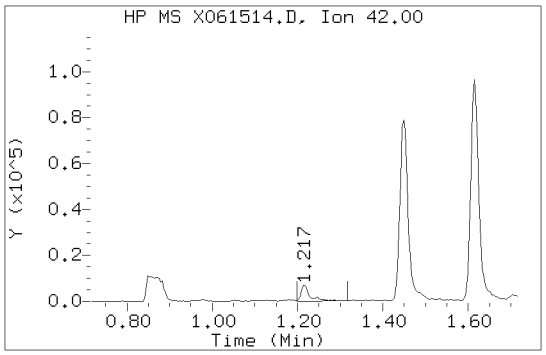
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AFTER

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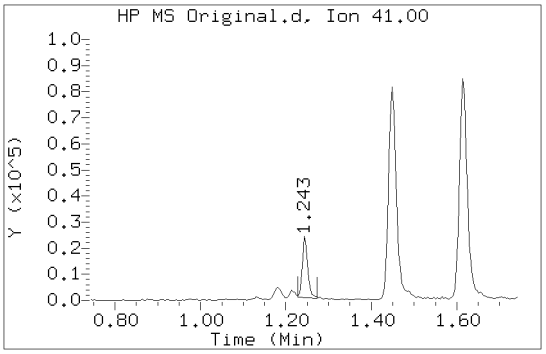


Isobutylene (115-11-7)

Reason Code:

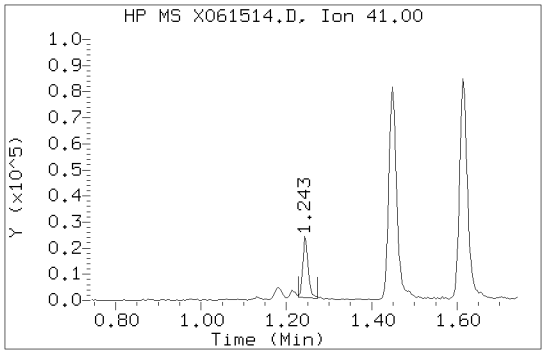
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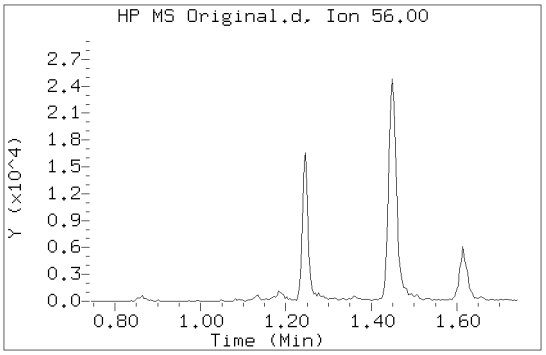
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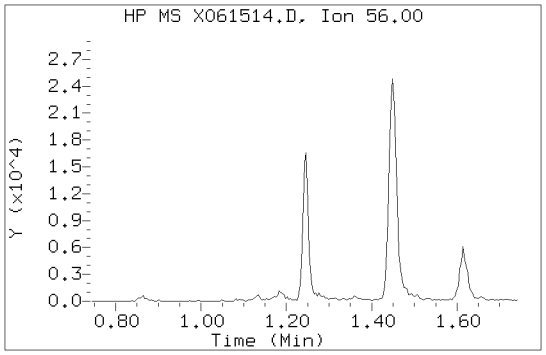
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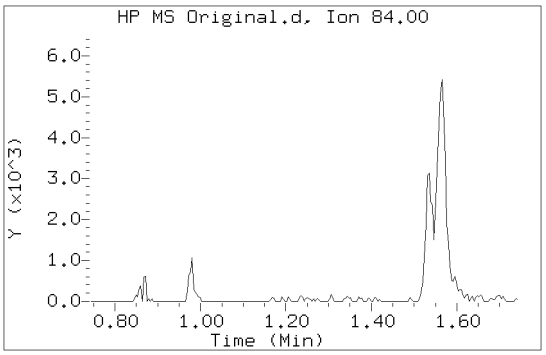
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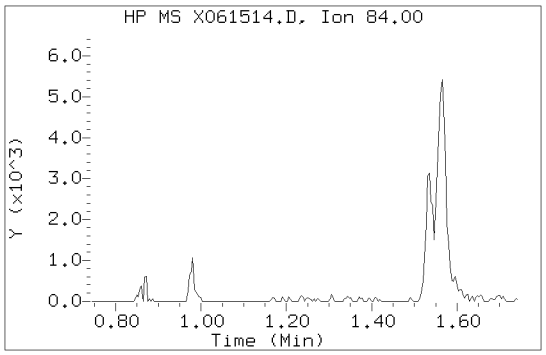
BEFORE

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20-Jun-2023
18:22
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AFTER

MASS
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AREA
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HEIGHT
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20-Jun-2023
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linh
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01225887

right solutions.
right partner.

Raw Data VOA6 439205

Volatiles by EPA 8260

Workorder

HS23060722

Client

Bhate Environmental Associates, Inc.

Project

LHAAP-58

06/21/2023

ALS Environmental–Houston Laboratory

10450 Stancliff Road, Suite 210, Houston, TX 77099

Phone (281) 530-5656 Fax (281) 530-5887

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Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061701.D Page 1
Report Date: 17-Jun-2023 12:01

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061701.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 17-JUN-2023 11:17
Operator : PC Inst ID: voa6.i
Smp Info : BFB;BFB;3;;BFB
Misc Info : V6;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\bfb.m
Meth Date : 14-Mar-2023 15:45 Linh.Pham Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: NAHSTW7051

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	2.000	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	
8.687	8.889	(0.000)	95	113384			0.00- 100.00	100.00
8.687	8.889	(0.000)	50	18112			15.00- 40.00	15.97
8.687	8.889	(0.000)	75	50784			30.00- 60.00	44.79
8.687	8.889	(0.000)	96	8138			5.00- 9.00	7.18
8.687	8.889	(0.000)	173	589			0.00- 2.00	0.63
8.687	8.889	(0.000)	174	92856			50.00- 0.00	81.90
8.687	8.889	(0.000)	175	6663			5.00- 9.00	7.18
8.687	8.889	(0.000)	176	88400			95.00- 101.00	95.20
8.687	8.889	(0.000)	177	6303			5.00- 9.00	7.13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.97
75	30.00 - 60.00% of mass 95	44.79
96	5.00 - 9.00% of mass 95	7.18
173	Less than 2.00% of mass 174	0.52 (0.63)
174	Greater than 50.00% of mass 95	81.90
175	5.00 - 9.00% of mass 174	5.88 (7.18)
176	95.00 - 101.00% of mass 174	77.97 (95.20)
177	5.00 - 9.00% of mass 176	5.56 (7.13)

Data File: X061701.D
Spectrum: Scan 2159 (8.68)
Location of Maximum: 95.00
Number of points: 105

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1193	64.00	415	93.00	4702	133.90	57
37.10	4126	65.20	194	94.00	11319	134.80	121
38.10	3912	65.90	91	95.00	113384	136.00	76
39.10	2403	67.00	319	96.00	8138	136.70	232
40.00	1763	68.00	9717	96.90	359	139.00	84
41.00	1119	69.00	11057	98.00	1394	140.90	862
42.10	1846	70.00	1467	99.00	93	141.90	70
43.00	1047	71.10	426	103.10	105	143.00	942
44.00	1757	72.00	390	104.00	617	145.80	185
45.10	839	73.00	4274	104.90	398	147.90	277
47.00	1177	74.10	17384	106.00	457	148.90	134
47.90	550	75.00	50784	106.90	259	149.70	87
49.10	3357	76.00	4978	108.90	167	152.90	80
50.00	18112	77.00	692	109.90	81	154.90	330
51.10	6428	77.80	362	110.90	52	157.00	190
51.90	267	78.90	2376	112.80	89	159.00	180
53.10	202	79.90	617	115.00	182	172.20	259
53.90	230	81.00	2624	115.80	199	172.80	589
55.00	3075	81.90	427	116.90	458	173.90	92856
56.00	1647	83.10	576	118.10	464	174.90	6663
57.10	3484	85.00	158	118.80	346	175.90	88400
57.90	395	85.70	175	123.80	79	176.90	6303
58.80	52	86.10	271	126.70	202	178.00	120
60.00	799	87.00	5097	127.80	342	185.90	250
61.10	4776	88.00	4521	128.80	196		
62.00	4842	91.00	407	129.80	304		
63.00	2784	92.00	2933	130.90	246		

Data File: \\nahstws005\target\chem\voa6.i\x230617.b\x061701.d Page 1

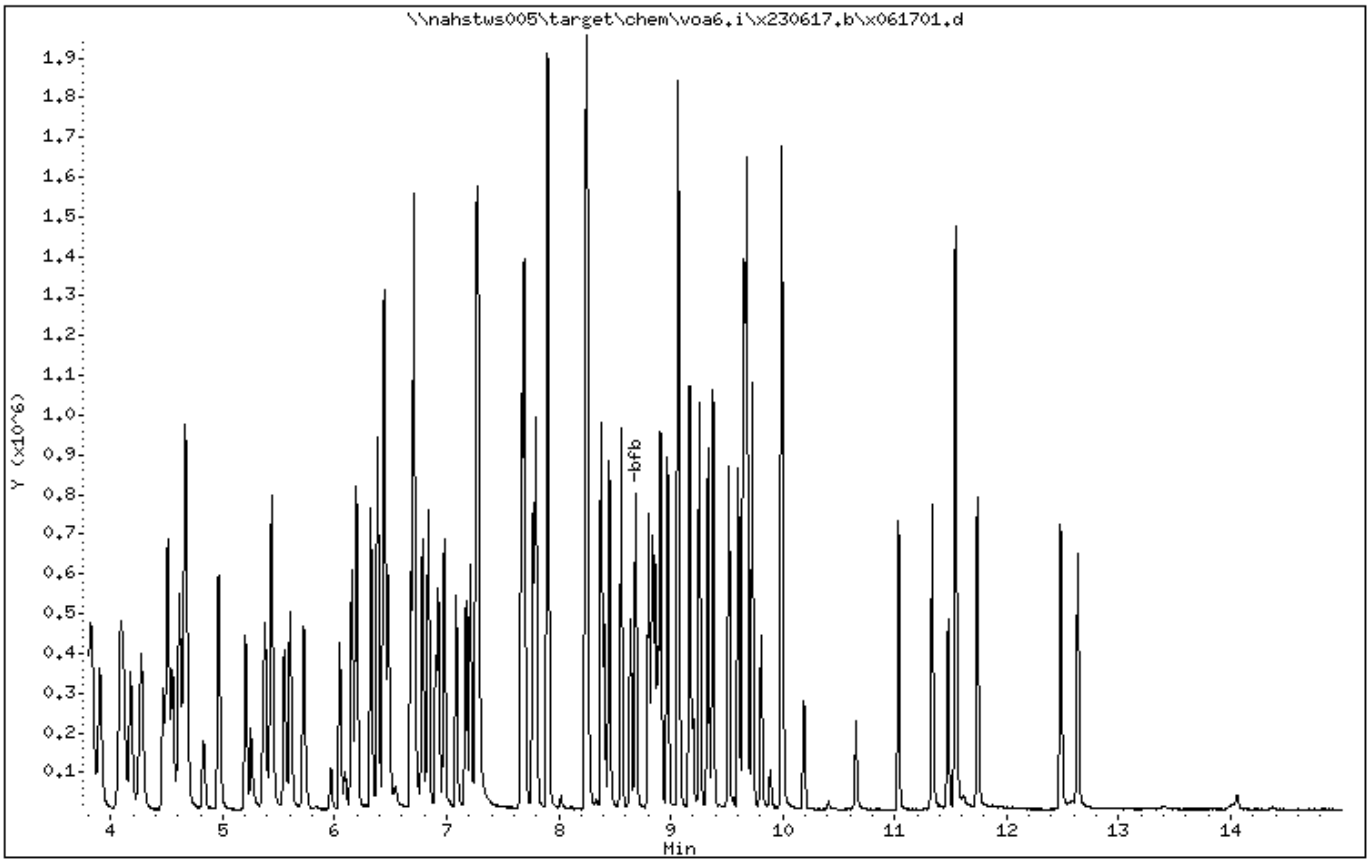
Date : 17-JUN-2023 11:17

Client ID: BFB Instrument: voa6.i

Sample Info: BFB;BFB;3;;BFB

Volume Injected (uL): 2.0 Operator: PC

Column phase: DB624 Column diameter: 0.25



Data File : \\nahstws005\target\chem\voa6.i\x230617.b\x061701.d
Inj Date : 17-JUN-2023 11:17
InstruID : voa6.i
LabSampID : BFB

NO MANUAL INTEGRATIONS

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061703.D Page 1
Report Date: 21-Jun-2023 10:01

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061703.D
Lab Smp Id: CCV Client Smp ID: CCV
Inj Date : 17-JUN-2023 11:58
Operator : PC Inst ID: voa6.i
Smp Info : CCV;CCV;2;;
Misc Info : V6;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\8260W.m
Meth Date : 21-Jun-2023 10:01 voa6.i Quant Type: ISTD
Cal Date : 15-JUN-2023 13:42 Cal File: X061508.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
* 1 Pentafluorobenzene	168	4.178	4.178	(1.000)	464761	50.0000	
135 1,4-Dioxane	88	5.595	5.595	(1.339)	60031	1000.00	1065.82
140 1,3-Butadiene	54	1.167	1.167	(0.280)	185284	50.0000	48.10
25 Methacrylonitrile	41	3.821	3.821	(0.915)	201373	50.0000	52.51
12 Isobutyl Alcohol	43	4.676	4.676	(1.119)	626781	1000.00	1034.29
13 Acetonitrile	39	2.198	2.198	(0.526)	226381	500.000	502.18
14 Allyl Chloride	41	2.202	2.202	(0.527)	508556	50.0000	49.89
4 Propionitrile	54	3.649	3.649	(0.873)	302833	500.000	538.77
72 trans-1,4-Dichloro-2-butene	53	8.886	8.886	(1.159)	87036	50.0000	52.62
194 Acetaldehyde	44	1.216	1.216	(0.291)	49547	200.000	202.61(M)
23 Chloroprene	53	1.775	1.775	(0.425)	72682	50.0000	47.05(M)
130 Ethyl Acetate	43	3.653	3.653	(0.874)	234896	50.0000	49.58
40 Methyl Methacrylate	41	5.602	5.602	(1.341)	187136	50.0000	52.01
49 Ethyl Methacrylate	69	6.708	6.708	(1.351)	231687	50.0000	44.97
131 Methyl Acrylate	55	3.687	3.687	(0.882)	216357	50.0000	57.47
136 n-Hexane	57	2.772	2.772	(0.664)	237109	50.0000	55.37
156 Diisopropyl ether	45	3.001	3.001	(0.718)	674449	50.0000	49.20
166 1,2,3-Trimethylbenzene	105	9.729	9.729	(1.007)	851430	50.0000	46.46
2 Dichlorodifluoromethane	85	0.976	0.976	(0.234)	203461	50.0000	50.83
3 Chloromethane	50	1.081	1.081	(0.259)	238222	50.0000	48.51

5 Vinyl Chloride	62	1.145	1.145 (0.274)	232611	50.0000	47.65
6 Bromomethane	94	1.344	1.344 (0.322)	133971	50.0000	47.81

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061703.D Page 2
Report Date: 21-Jun-2023 10:01

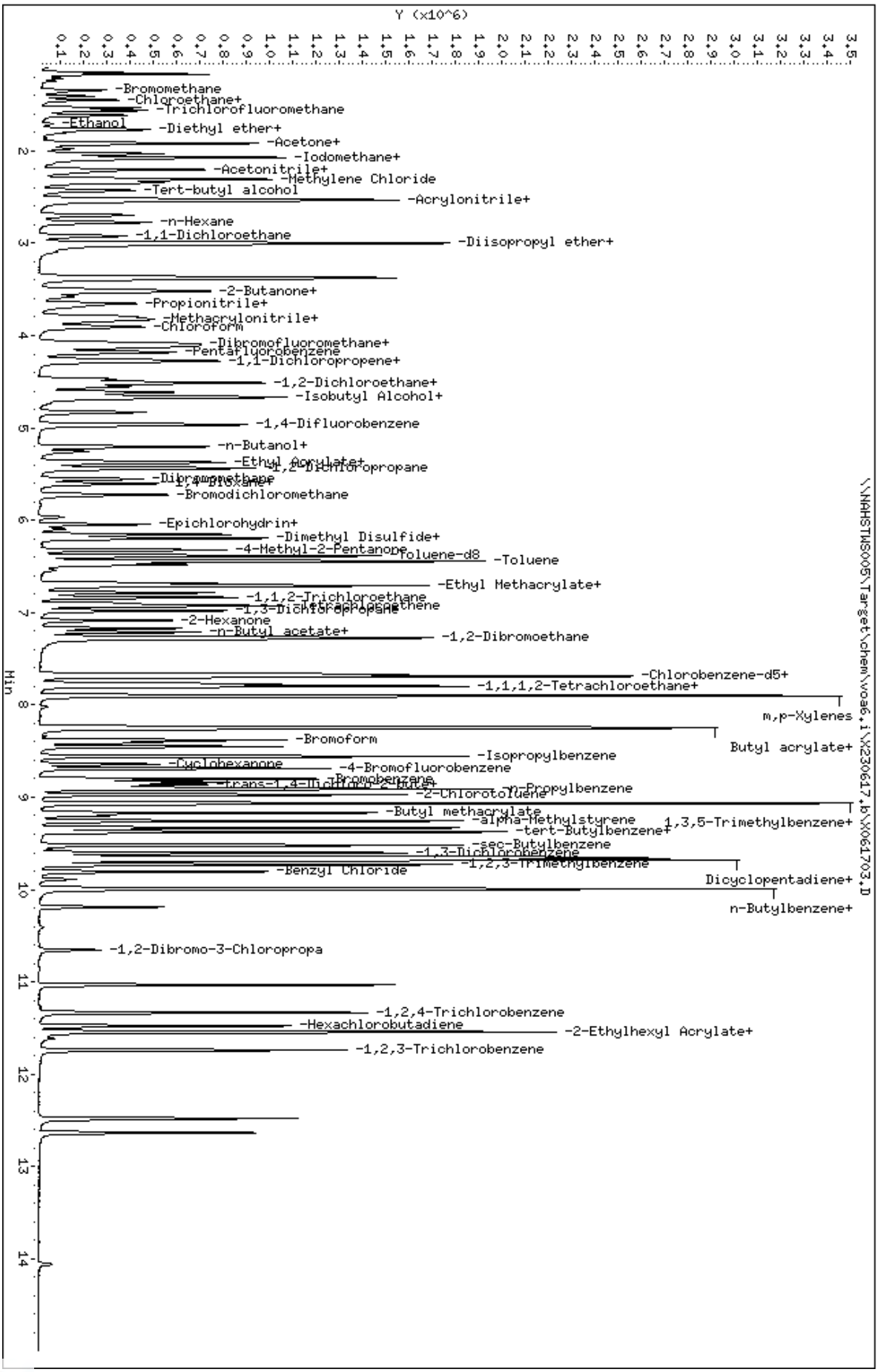
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	7 Chloroethane	64	1.407	1.407	(0.337)	150589	50.0000	50.47
	8 Trichlorofluoromethane	101	1.565	1.565	(0.375)	290450	50.0000	50.07
	9 Acrolein	56	1.449	1.449	(0.347)	25806	100.000	89.48
	10 Acetone	43	1.973	1.973	(0.472)	106509	100.000	87.85
	11 1,1-Dichloroethene	96	1.917	1.917	(0.459)	169535	50.0000	46.59
	15 Iodomethane	142	2.030	2.030	(0.486)	556530	100.000	92.46
	16 Acrylonitrile	53	2.536	2.536	(0.607)	147443	100.000	99.94
	17 Methylene Chloride	84	2.307	2.307	(0.552)	235847	50.0000	45.88
	18 Methyl tert-butyl ether	73	2.536	2.536	(0.607)	633759	50.0000	49.90
	19 Carbon Disulfide	76	2.071	2.071	(0.496)	1216538	100.000	93.89
	20 trans-1,2-Dichloroethene	96	2.528	2.528	(0.605)	207315	50.0000	47.61
	21 Vinyl Acetate	43	2.997	2.997	(0.717)	1280030	100.000	110.14
	22 1,1-Dichloroethane	63	2.922	2.922	(0.699)	384699	50.0000	49.04
	24 2-Butanone	43	3.578	3.578	(0.856)	158601	100.000	103.69
	26 2,2-Dichloropropane	77	3.507	3.507	(0.839)	325922	50.0000	52.65
	27 cis-1,2-Dichloroethene	96	3.525	3.525	(0.844)	239733	50.0000	47.74
	28 Chloroform	83	3.908	3.908	(0.935)	398291	50.0000	47.17
	29 Bromochloromethane	128	3.795	3.795	(0.908)	127279	50.0000	47.57
$	30 Dibromofluoromethane	113	4.099	4.099	(0.981)	217119	50.0000	52.32
	31 1,1,1-Trichloroethane	97	4.080	4.080	(0.977)	330573	50.0000	48.44
	32 1,1-Dichloropropene	75	4.279	4.279	(0.862)	295660	50.0000	49.08
	33 1,2-Dichloroethane	62	4.556	4.556	(0.918)	310481	50.0000	51.44
	34 Carbon Tetrachloride	117	4.264	4.264	(0.859)	279547	50.0000	48.26
$	35 1,2-Dichloroethane-d4	65	4.470	4.470	(1.070)	242319	50.0000	54.15
*	36 1,4-Difluorobenzene	114	4.965	4.965	(1.000)	718789	50.0000	
	37 Benzene	78	4.511	4.511	(0.909)	889887	50.0000	48.13
	38 Trichloroethene	130	5.205	5.205	(1.048)	242589	50.0000	47.58
	39 Bromodichloromethane	83	5.722	5.722	(1.153)	315767	50.0000	48.28
	41 2-Chloroethylvinyl ether	63	6.044	6.044	(1.217)	185638	100.000	104.89
	42 1,2-Dichloropropane	63	5.433	5.433	(1.094)	240932	50.0000	49.64
	44 Dibromomethane	93	5.550	5.550	(1.118)	151093	50.0000	49.59
	45 4-Methyl-2-Pentanone	43	6.322	6.322	(0.824)	450633	100.000	102.67
	46 cis-1,3-Dichloropropene	75	6.153	6.153	(1.239)	409799	50.0000	50.81
*	47 Chlorobenzene-d5	117	7.668	7.668	(1.000)	679450	50.0000	
$	48 Toluene-d8	98	6.386	6.386	(0.833)	830445	50.0000	48.34
	50 Toluene	91	6.446	6.446	(0.841)	965878	50.0000	48.42
	51 trans-1,3-Dichloropropene	75	6.678	6.678	(1.345)	346897	50.0000	51.41
	52 2-Hexanone	43	7.087	7.087	(0.924)	301666	100.000	102.89
	53 1,1,2-Trichloroethane	83	6.839	6.839	(0.892)	189838	50.0000	48.85
	54 1,3-Dichloropropane	76	6.978	6.978	(0.910)	393905	50.0000	50.13
	55 Dibromochloromethane	129	7.173	7.173	(0.935)	271947	50.0000	49.37
	56 Tetrachloroethene	164	6.925	6.925	(0.903)	192409	50.0000	46.90
	57 1,2-Dibromoethane	107	7.259	7.259	(0.947)	246151	50.0000	49.55
	58 1-Chlorohexane	55	7.694	7.694	(1.550)	218356	50.0000	49.95
	59 Chlorobenzene	112	7.690	7.690	(1.003)	655412	50.0000	48.02
	60 1,1,1,2-Tetrachloroethane	131	7.773	7.773	(1.014)	244322	50.0000	48.00
	61 Ethylbenzene	106	7.799	7.799	(1.017)	333110	50.0000	47.37
	62 m,p-Xylenes	106	7.900	7.900	(1.030)	854737	100.000	98.56
	63 o-Xylene	106	8.241	8.241	(1.075)	414845	50.0000	47.94
	64 Styrene	104	8.256	8.256	(1.077)	713133	50.0000	50.03
	66 Bromoform	173	8.406	8.406	(1.096)	190917	50.0000	49.72
	67 Isopropylbenzene	105	8.560	8.560	(1.116)	1014690	50.0000	47.44

	68 1,1,2,2-Tetrachloroethane	83	8.837	8.837 (0.915)	322003	50.0000	47.50
$	69 4-Bromofluorobenzene	95	8.687	8.687 (1.133)	340530	50.0000	51.34

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
*	70 1,4-Dichlorobenzene-d4	152	9.662	9.662	(1.000)	385495	50.0000	
	71 1,2,3-Trichloropropane	75	8.863	8.863	(0.917)	233366	50.0000	48.01(M)
	73 n-Propylbenzene	91	8.908	8.908	(0.922)	1221754	50.0000	48.16
	74 Bromobenzene	156	8.803	8.803	(0.911)	300200	50.0000	47.77
	75 1,3,5-Trimethylbenzene	105	9.066	9.066	(0.938)	890488	50.0000	47.83
	76 2-Chlorotoluene	91	8.972	8.972	(0.929)	749109	50.0000	46.50
	77 4-Chlorotoluene	91	9.066	9.066	(0.938)	871352	50.0000	48.49
	78 tert-Butylbenzene	119	9.332	9.332	(0.966)	728234	50.0000	46.95
	79 1,2,4-Trimethylbenzene	105	9.377	9.377	(0.971)	900947	50.0000	47.97
	81 sec-Butylbenzene	105	9.519	9.519	(0.985)	1049132	50.0000	47.96
	82 p-Isopropyltoluene	119	9.647	9.647	(0.998)	927998	50.0000	48.46
	83 1,3-Dichlorobenzene	146	9.602	9.602	(0.994)	533272	50.0000	47.66
	84 1,4-Dichlorobenzene	146	9.681	9.681	(1.002)	562254	50.0000	46.95
	87 n-Butylbenzene	91	9.992	9.992	(1.034)	843275	50.0000	51.70
	88 1,2-Dichlorobenzene	146	9.992	9.992	(1.034)	537188	50.0000	48.39
	89 1,2-Dibromo-3-Chloropropane	155	10.655	10.655	(1.103)	56147	50.0000	50.75
	90 1,2,4-Trichlorobenzene	180	11.334	11.334	(1.173)	392910	50.0000	50.88
	91 Hexachlorobutadiene	225	11.480	11.480	(1.188)	177873	50.0000	51.31
	92 Naphthalene	128	11.540	11.540	(1.194)	917991	50.0000	52.80
	93 1,2,3-Trichlorobenzene	180	11.739	11.739	(1.215)	366518	50.0000	51.58
M	94 1,2-Dichloroethylene (total)	96				447048	100.000	(a)
	141 Cyclohexane	56	4.121	4.121	(0.987)	297119	50.0000	50.15
	138 Freon TF	101	1.917	1.917	(0.459)	172427	50.0000	53.25
	147 Methylcyclohexane	55	5.377	5.377	(1.083)	499944	50.0000	49.76
	146 Methyl Acetate	43	2.236	2.236	(0.535)	143944	50.0000	52.32
	148 Tert-Butyl alcohol	59	2.431	2.431	(0.582)	466930	1000.00	978.35
	149 Isopropyl Alcohol	45	2.093	2.093	(0.501)	266084	1000.00	1010.05

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.



Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061703.D
Date : 17-JUN-2023 11:58
Client ID: CCV
Sample Info: CCV;CCV;2;;
Purge Volume: 5.0
Column phase: DB624

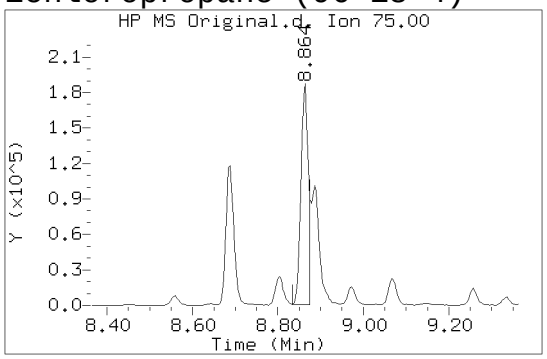
Instrument: voa6.i
Operator: PC
Column diameter: 0.18

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InstruID : voa6.i
LabSampID : CCV

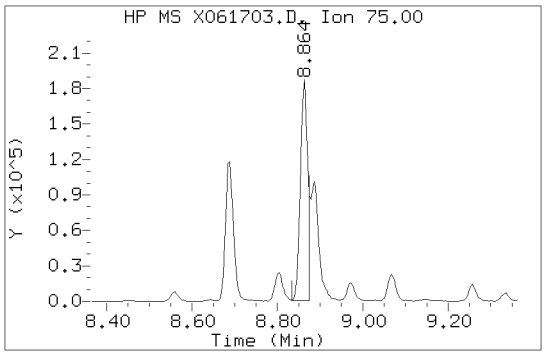
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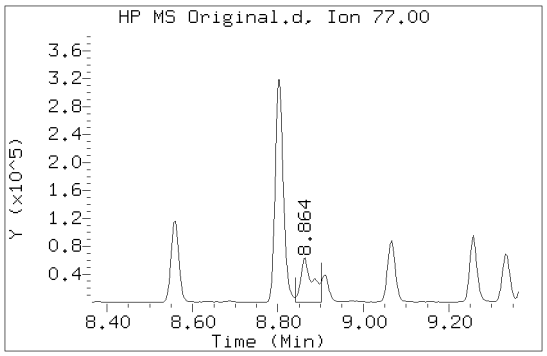
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HEIGHT
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19-Jun-2023
12:02



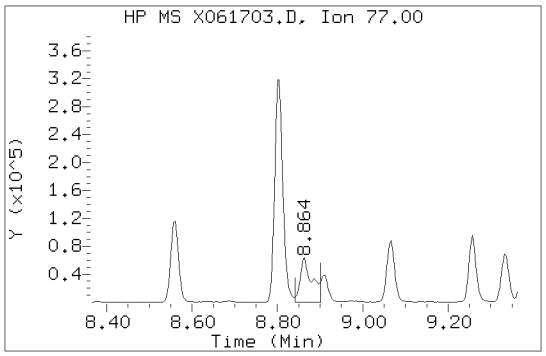
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BEFORE
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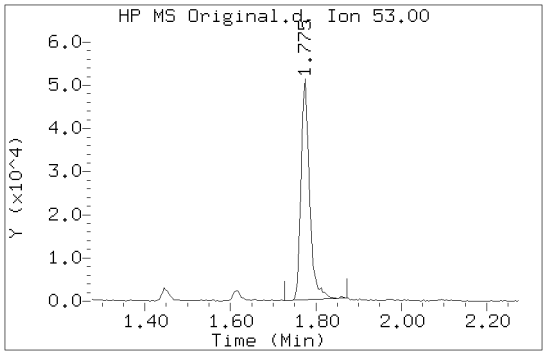
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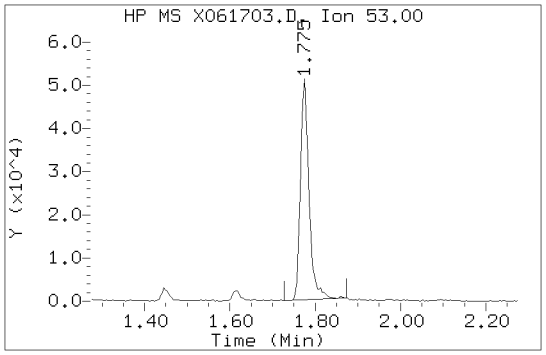
Chloroprene (126-99-8)

Reason Code:

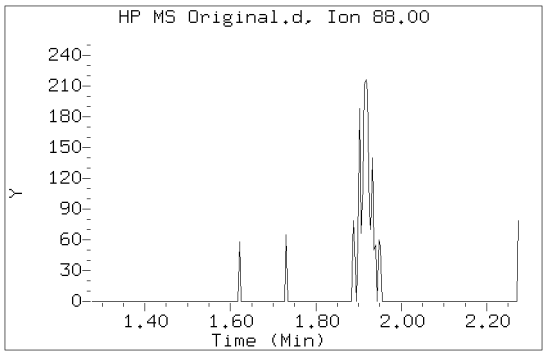
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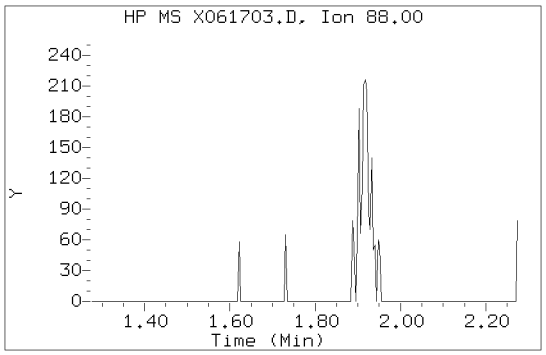
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BEFORE
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12:02



AFTER
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21-Jun-2023
10:01

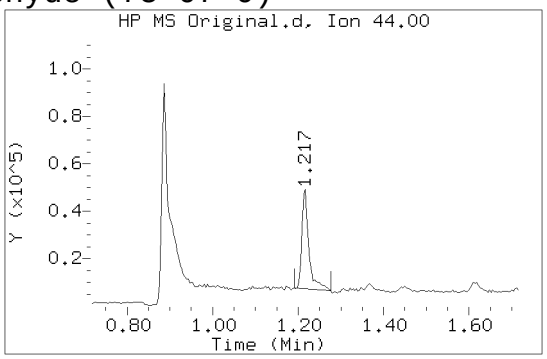


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InstruID : voa6.i
LabSampID : CCV

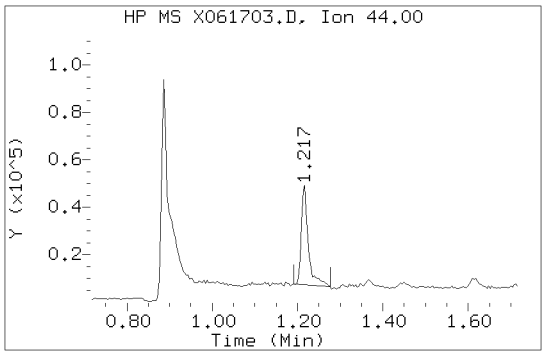
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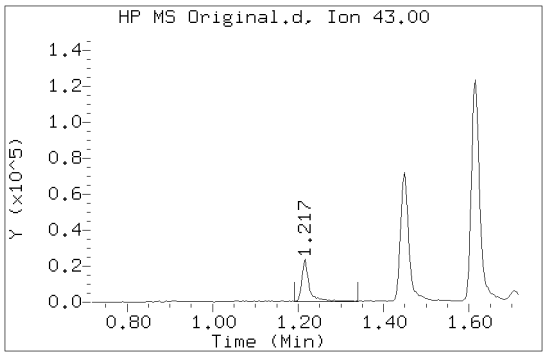
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19-Jun-2023
12:02



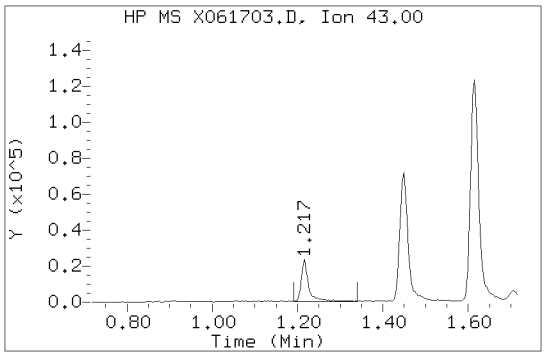
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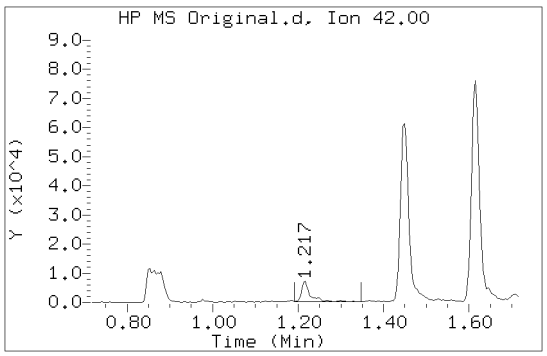
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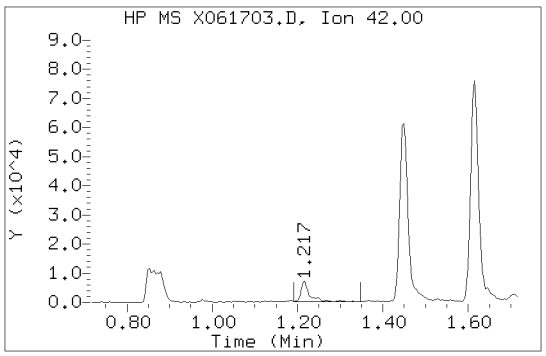
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BEFORE
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HEIGHT
7121
19-Jun-2023
12:02



AFTER
MASS
42
AREA
10160
HEIGHT
7121
21-Jun-2023
10:01



ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061704.D
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Inj Date : 17-JUN-2023 12:19
Operator : PC Inst ID: voa6.i
Smp Info : CCB;CCB;;;
Misc Info : V6;WATER;0;1;
Comment :
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Meth Date : 20-Jun-2023 17:15 voa6.i Quant Type: ISTD
Cal Date : 15-JUN-2023 13:42 Cal File: X061508.D
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.181	4.178	(1.000)	508212	50.0000	
$ 30 Dibromofluoromethane	113	4.102	4.099	(0.981)	224933	49.5556	49.55
$ 35 1,2-Dichloroethane-d4	65	4.470	4.470	(1.069)	251979	51.4571	51.45
* 36 1,4-Difluorobenzene	114	4.965	4.965	(1.000)	740367	50.0000	
* 47 Chlorobenzene-d5	117	7.667	7.668	(1.000)	643235	50.0000	
$ 48 Toluene-d8	98	6.385	6.386	(0.833)	873457	53.7102	53.71
$ 69 4-Bromofluorobenzene	95	8.691	8.687	(1.133)	296457	47.1763	47.17
* 70 1,4-Dichlorobenzene-d4	152	9.662	9.662	(1.000)	312929	50.0000	

01225902

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061704.D

Page 1

Date : 17-JUN-2023 12:19

Client ID: CCB

Instrument: voa6.i

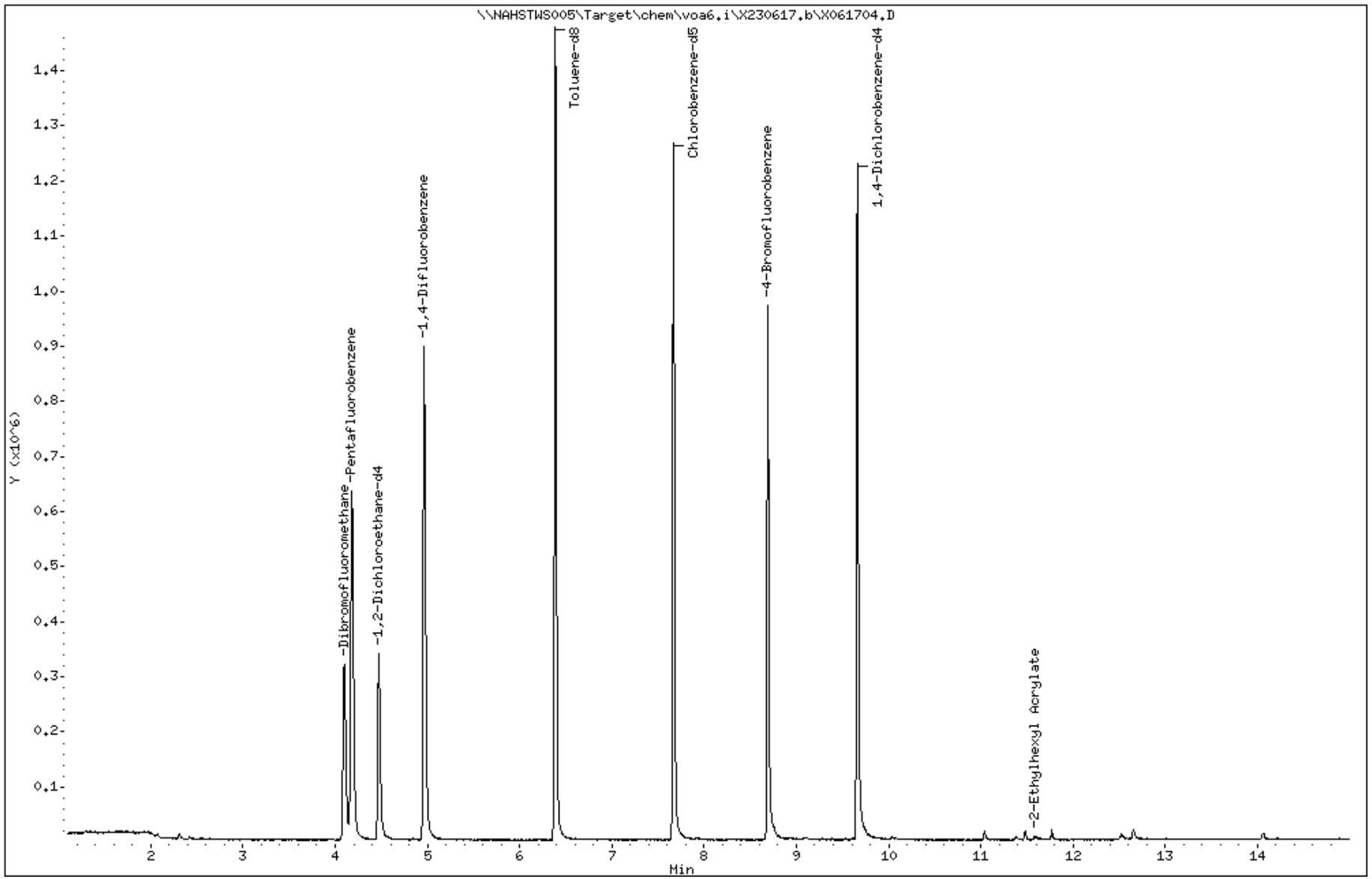
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Purge Volume: 5.0

Operator: PC

Column phase: DB624

Column diameter: 0.18



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Inj Date : 17-JUN-2023 12:19
InstruID : voa6.i
LabSampID : CCB

NO MANUAL INTEGRATIONS

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061705.D
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Misc Info : V6;WATER;0;1;
Comment :
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Meth Date : 20-Jun-2023 17:15 voa6.i Quant Type: ISTD
Cal Date : 15-JUN-2023 13:42 Cal File: X061508.D
Als bottle: 4 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1	Pentafluorobenzene	168	4.181	4.178	(1.000)	467611	50.0000	
135	1,4-Dioxane	88	5.598	5.595	(1.339)	23081	407.296	407.29(a)
140	1,3-Butadiene	54	1.167	1.167	(0.279)	73231	18.8979	18.89
25	Methacrylonitrile	41	3.829	3.821	(0.916)	79725	20.6632	20.66
12	Isobutyl Alcohol	43	4.676	4.676	(1.118)	260040	426.493	426.49
13	Acetonitrile	39	2.202	2.198	(0.527)	97445	214.848	214.84
14	Allyl Chloride	41	2.202	2.202	(0.527)	210316	20.5091	20.50
4	Propionitrile	54	3.653	3.649	(0.874)	119398	211.129	211.12(a)
72	trans-1,4-Dichloro-2-butene	53	8.889	8.886	(1.159)	33160	19.9951	19.99
194	Acetaldehyde	44	1.216	1.216	(0.291)	16555	64.9855	64.98(M)
23	Chloroprene	53	1.775	1.775	(0.424)	29220	18.8005	18.80(M)
130	Ethyl Acetate	43	3.660	3.653	(0.875)	102020	21.4033	21.40
40	Methyl Methacrylate	41	5.606	5.602	(1.341)	76478	21.1268	21.12
49	Ethyl Methacrylate	69	6.708	6.708	(1.351)	99236	19.0391	19.03
131	Methyl Acrylate	55	3.698	3.687	(0.884)	80516	21.2598	21.25
136	n-Hexane	57	2.775	2.772	(0.664)	88097	21.1399	21.13
156	Diisopropyl ether	45	3.000	3.001	(0.718)	279675	20.2793	20.27
166	1,2,3-Trimethylbenzene	105	9.729	9.729	(1.007)	361327	19.5881	19.58
2	Dichlorodifluoromethane	85	0.976	0.976	(0.234)	79215	19.8731	19.87
3	Chloromethane	50	1.081	1.081	(0.259)	99872	20.8166	20.81

5 Vinyl Chloride	62	1.149	1.145 (0.275)	94897	19.3237	19.32
6 Bromomethane	94	1.343	1.344 (0.321)	57089	20.2520	20.25

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061705.D Page 2
Report Date: 20-Jun-2023 17:15

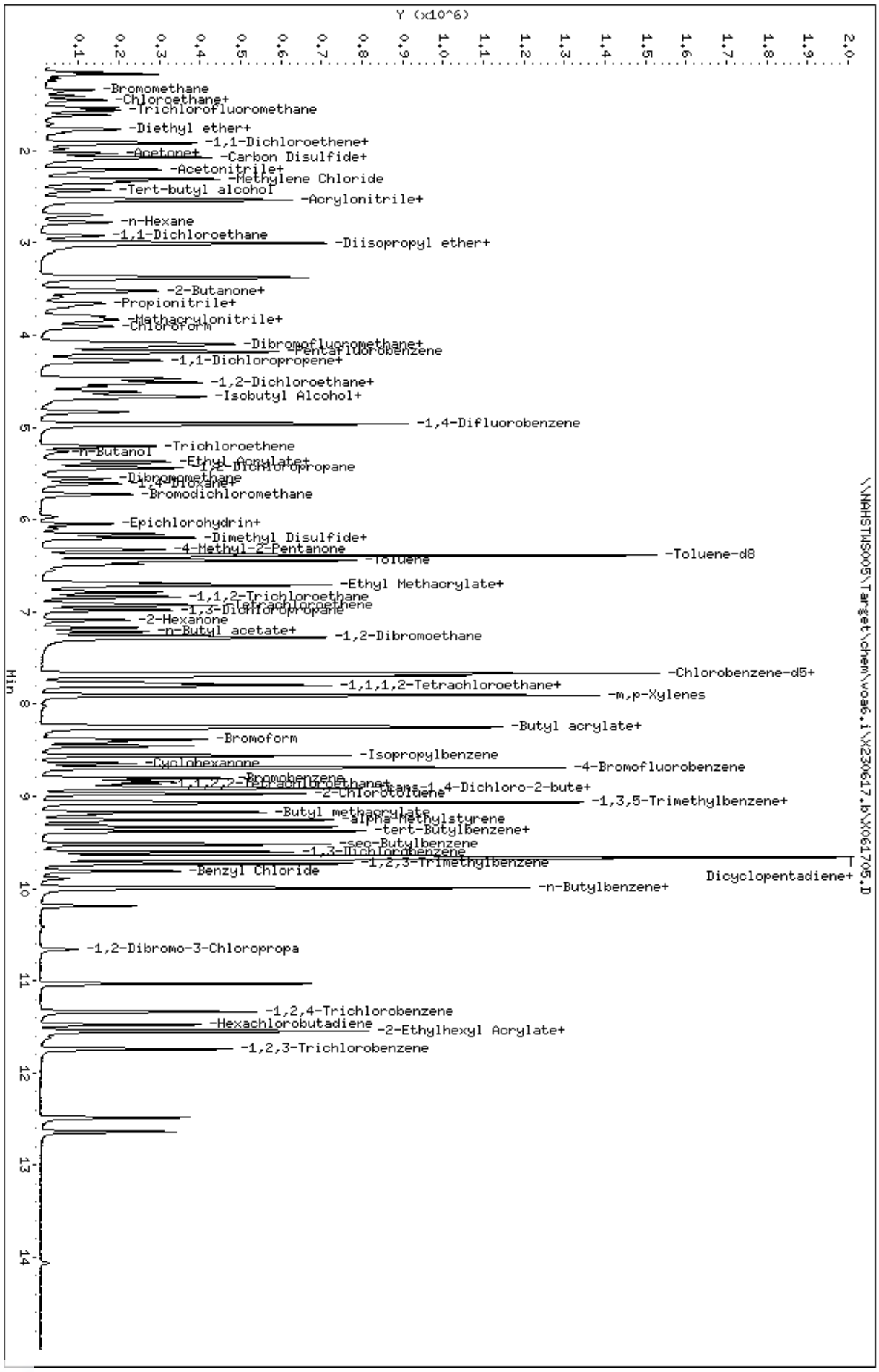
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	7 Chloroethane	64	1.407	1.407	(0.337)	62823	20.9280	20.92
	8 Trichlorofluoromethane	101	1.565	1.565	(0.374)	115016	19.7086	19.70
	9 Acrolein	56	1.448	1.449	(0.346)	12204	42.0597	42.05
	10 Acetone	43	1.977	1.973	(0.473)	45164	36.8694	36.86
	11 1,1-Dichloroethene	96	1.917	1.917	(0.459)	69235	18.9118	18.91
	15 Iodomethane	142	2.029	2.030	(0.485)	179227	31.3955	31.39
	16 Acrylonitrile	53	2.539	2.536	(0.607)	54413	36.6593	36.65
	17 Methylene Chloride	84	2.307	2.307	(0.552)	99748	19.2893	19.28
	18 Methyl tert-butyl ether	73	2.536	2.536	(0.606)	258456	20.2274	20.22
	19 Carbon Disulfide	76	2.071	2.071	(0.495)	488245	37.4549	37.45
	20 trans-1,2-Dichloroethene	96	2.532	2.528	(0.606)	82248	18.7753	18.77
	21 Vinyl Acetate	43	3.000	2.997	(0.718)	516060	44.1375	44.13
	22 1,1-Dichloroethane	63	2.922	2.922	(0.699)	155287	19.6776	19.67
	24 2-Butanone	43	3.585	3.578	(0.857)	56151	36.4881	36.48
	26 2,2-Dichloropropane	77	3.510	3.507	(0.840)	130903	21.0174	21.01
	27 cis-1,2-Dichloroethene	96	3.529	3.525	(0.844)	97832	19.3663	19.36
	28 Chloroform	83	3.904	3.908	(0.934)	163680	19.2705	19.27
	29 Bromochloromethane	128	3.799	3.795	(0.909)	52642	19.5556	19.55
$	30 Dibromofluoromethane	113	4.099	4.099	(0.980)	227288	54.4563	54.45
	31 1,1,1-Trichloroethane	97	4.084	4.080	(0.977)	131438	19.1460	19.14
	32 1,1-Dichloropropene	75	4.282	4.279	(0.863)	117879	19.3454	19.34
	33 1,2-Dichloroethane	62	4.556	4.556	(0.918)	123783	20.2732	20.27
	34 Carbon Tetrachloride	117	4.267	4.264	(0.860)	109842	18.7437	18.74
$	35 1,2-Dichloroethane-d4	65	4.470	4.470	(1.069)	248678	55.2546	55.25(M)
*	36 1,4-Difluorobenzene	114	4.965	4.965	(1.000)	727193	50.0000	
	37 Benzene	78	4.511	4.511	(0.909)	356380	19.0523	19.05
	38 Trichloroethene	130	5.205	5.205	(1.048)	97541	18.9127	18.91
	39 Bromodichloromethane	83	5.726	5.722	(1.153)	127130	19.2134	19.21
	41 2-Chloroethylvinyl ether	63	6.052	6.044	(1.219)	72330	40.3968	40.39
	42 1,2-Dichloropropane	63	5.437	5.433	(1.095)	97557	19.8698	19.86
	44 Dibromomethane	93	5.553	5.550	(1.119)	61227	19.8652	19.86
	45 4-Methyl-2-Pentanone	43	6.325	6.322	(0.825)	175271	39.8212	39.82
	46 cis-1,3-Dichloropropene	75	6.153	6.153	(1.239)	162301	19.8938	19.89
*	47 Chlorobenzene-d5	117	7.667	7.668	(1.000)	681365	50.0000	
$	48 Toluene-d8	98	6.385	6.386	(0.833)	868596	50.4223	50.42
	50 Toluene	91	6.445	6.446	(0.841)	392953	19.6447	19.64
	51 trans-1,3-Dichloropropene	75	6.682	6.678	(1.346)	136357	19.9764	19.97
	52 2-Hexanone	43	7.086	7.087	(0.924)	122902	41.8029	41.80
	53 1,1,2-Trichloroethane	83	6.839	6.839	(0.892)	74729	19.1762	19.17
	54 1,3-Dichloropropane	76	6.981	6.978	(0.911)	154718	19.6358	19.63
	55 Dibromochloromethane	129	7.173	7.173	(0.935)	106870	19.3503	19.35
	56 Tetrachloroethene	164	6.929	6.925	(0.904)	76479	18.5926	18.59
	57 1,2-Dibromoethane	107	7.259	7.259	(0.947)	97063	19.4865	19.48
	58 1-Chlorohexane	55	7.694	7.694	(1.550)	88618	20.0392	20.03
	59 Chlorobenzene	112	7.690	7.690	(1.003)	266583	19.4771	19.47
	60 1,1,1,2-Tetrachloroethane	131	7.772	7.773	(1.014)	97572	19.1181	19.11
	61 Ethylbenzene	106	7.799	7.799	(1.017)	134537	19.0785	19.07
	62 m,p-Xylenes	106	7.904	7.900	(1.031)	345625	39.7443	39.74
	63 o-Xylene	106	8.241	8.241	(1.075)	167262	19.2755	19.27
	64 Styrene	104	8.260	8.256	(1.077)	284736	19.9211	19.92
	66 Bromoform	173	8.410	8.406	(1.097)	73104	18.9867	18.98
	67 Isopropylbenzene	105	8.560	8.560	(1.116)	411495	19.1853	19.18

	68	1,1,2,2-Tetrachloroethane	83	8.837	8.837 (0.915)	128696	18.8601	18.86
$	69	4-Bromofluorobenzene	95	8.687	8.687 (1.133)	350852	52.7710	52.77

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
*	70 1,4-Dichlorobenzene-d4	152	9.662	9.662	(1.000)	388069	50.0000	
	71 1,2,3-Trichloropropane	75	8.863	8.863	(0.917)	98365	20.1029	20.10(M)
	73 n-Propylbenzene	91	8.908	8.908	(0.922)	497917	19.4979	19.49
	74 Bromobenzene	156	8.803	8.803	(0.911)	117926	18.6444	18.64
	75 1,3,5-Trimethylbenzene	105	9.066	9.066	(0.938)	359558	19.1885	19.18
	76 2-Chlorotoluene	91	8.972	8.972	(0.929)	310151	19.1254	19.12
	77 4-Chlorotoluene	91	9.069	9.066	(0.939)	358304	19.8082	19.80
	78 tert-Butylbenzene	119	9.332	9.332	(0.966)	293094	18.7747	18.77
	79 1,2,4-Trimethylbenzene	105	9.377	9.377	(0.971)	367109	19.4182	19.41
	81 sec-Butylbenzene	105	9.519	9.519	(0.985)	412820	18.7498	18.74
	82 p-Isopropyltoluene	119	9.647	9.647	(0.998)	368291	19.1058	19.10
	83 1,3-Dichlorobenzene	146	9.602	9.602	(0.994)	213775	18.9818	18.98
	84 1,4-Dichlorobenzene	146	9.680	9.681	(1.002)	226842	18.8180	18.81
	87 n-Butylbenzene	91	9.992	9.992	(1.034)	328692	20.0204	20.02
	88 1,2-Dichlorobenzene	146	9.992	9.992	(1.034)	213762	19.1295	19.12
	89 1,2-Dibromo-3-Chloropropane	155	10.659	10.655	(1.103)	22111	20.0129	20.01
	90 1,2,4-Trichlorobenzene	180	11.337	11.334	(1.173)	149773	19.2675	19.26
	91 Hexachlorobutadiene	225	11.476	11.480	(1.188)	63827	18.2925	18.29
	92 Naphthalene	128	11.544	11.540	(1.195)	345699	19.7553	19.75
	93 1,2,3-Trichlorobenzene	180	11.742	11.739	(1.215)	142441	19.9142	19.91
M	94 1,2-Dichloroethylene (total)	96				180080	38.1416	38.14
M	95 Xylenes (total)	106				512887	59.0198	59.01
	141 Cyclohexane	56	4.121	4.121	(0.986)	119720	20.0847	20.08
	138 Freon TF	101	1.917	1.917	(0.459)	65288	20.3183	20.31
	147 Methylcyclohexane	55	5.381	5.377	(1.084)	207546	20.4210	20.42
	146 Methyl Acetate	43	2.236	2.236	(0.535)	55561	20.0745	20.07
	148 Tert-Butyl alcohol	59	2.427	2.431	(0.580)	194597	405.254	405.25
	149 Isopropyl Alcohol	45	2.097	2.093	(0.502)	108246	408.397	408.39

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.



Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061705.D
Date : 17-JUN-2023 12:40
Client ID: VLCSW-230617
Sample Info: VLCSW-230617;VLCSW-230617;3;;LCS
Purge Volume: 5.0
Column phase: DB624

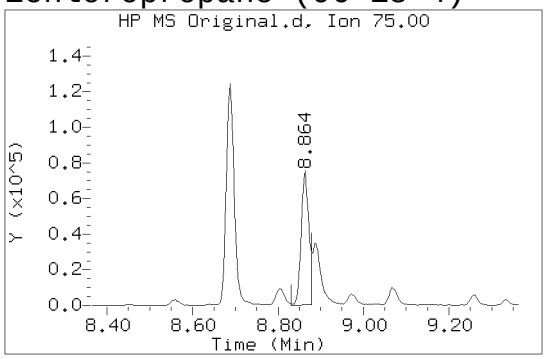
Instrument: voa6.i
Operator: PC
Column diameter: 0.18

Data File : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061705.D
Inj Date : 17-JUN-2023 12:40
InstruID : voa6.i
LabSampID : VLCSW-230617

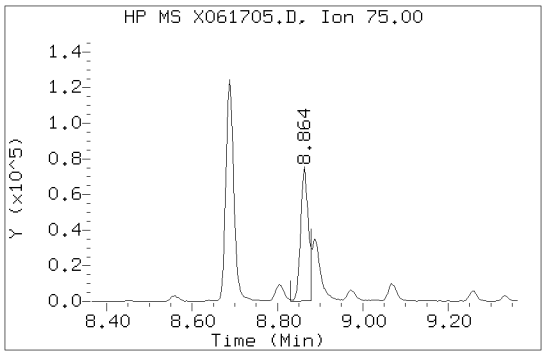
1,2,3-Trichloropropane (96-18-4)

Reason Code:

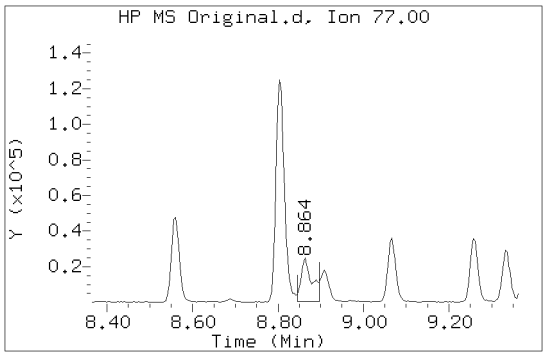
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75
AREA
98365
HEIGHT
75326
19-Jun-2023
12:25



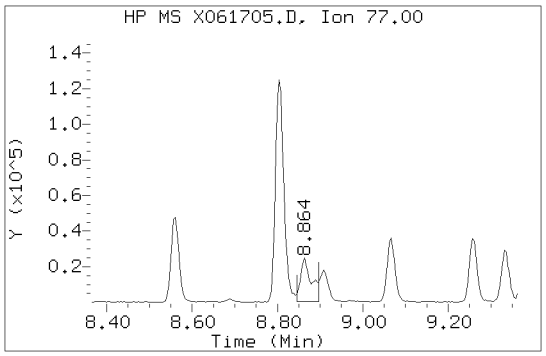
AFTER
MASS
75
AREA
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HEIGHT
75326
20-Jun-2023
17:14



BEFORE
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HEIGHT
24735
19-Jun-2023
12:25



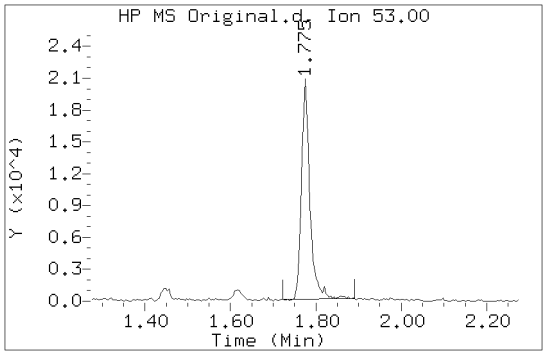
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20-Jun-2023
17:14



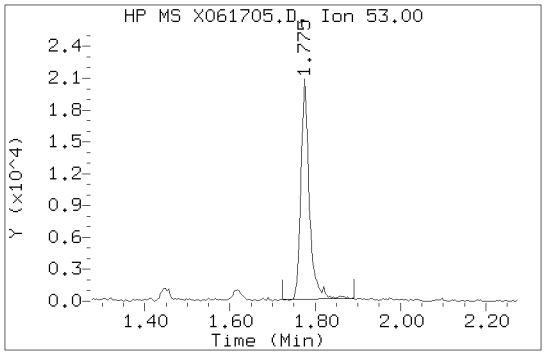
Chloroprene (126-99-8)

Reason Code:

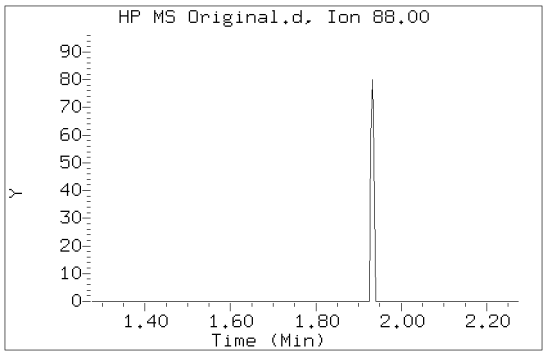
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HEIGHT
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19-Jun-2023
12:25



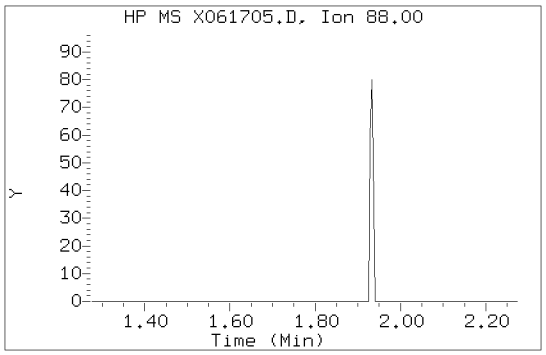
AFTER
MASS
53
AREA
29220
HEIGHT
20734
20-Jun-2023
17:14



BEFORE
MASS
88
AREA
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HEIGHT
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19-Jun-2023
12:25



AFTER
MASS
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AREA
0
HEIGHT
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20-Jun-2023
17:14

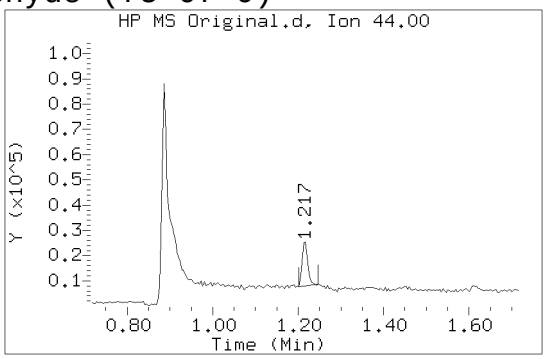


Data File : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061705.D
Inj Date : 17-JUN-2023 12:40
InstruID : voa6.i
LabSampID : VLCSW-230617

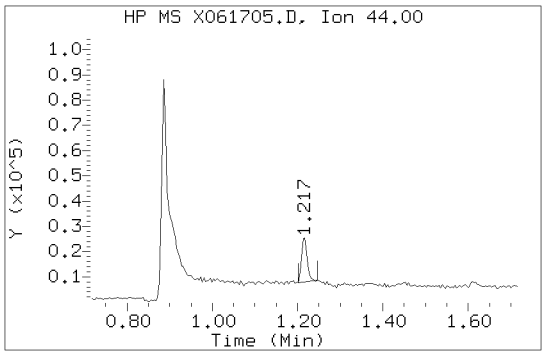
Acetaldehyde (75-07-0)

Reason Code:

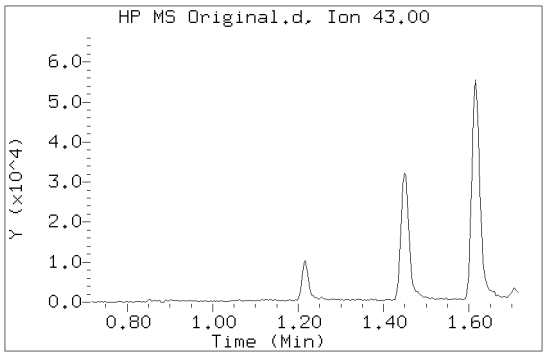
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HEIGHT
17459
19-Jun-2023
12:25



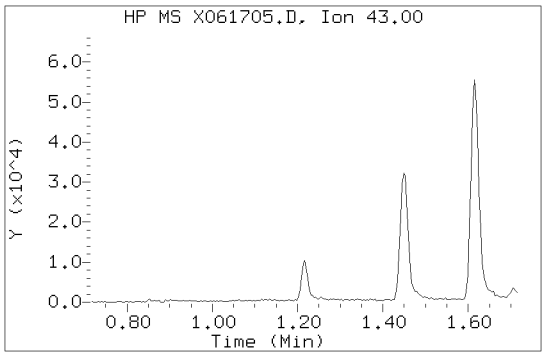
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44
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HEIGHT
17459
20-Jun-2023
17:14



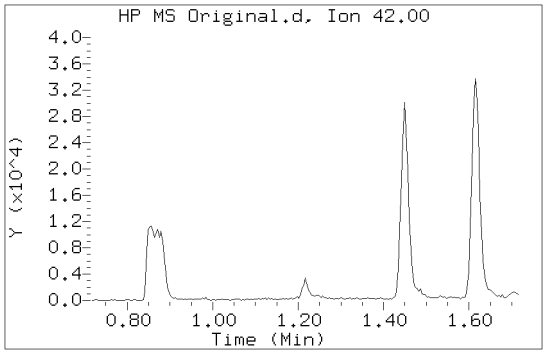
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19-Jun-2023
12:25



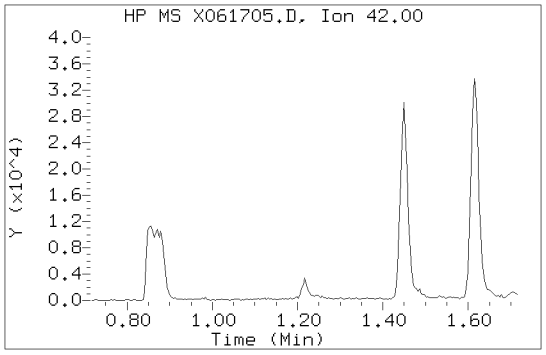
AFTER
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43
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20-Jun-2023
17:14



BEFORE
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HEIGHT
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19-Jun-2023
12:25



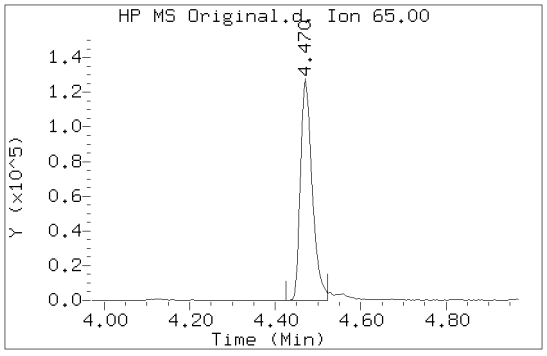
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HEIGHT
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20-Jun-2023
17:14



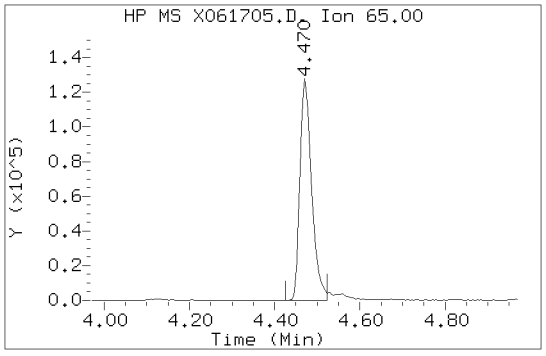
1,2-Dichloroethane-d4 (17060-07-0)

Reason Code:

BEFORE
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65
AREA
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HEIGHT
127716
19-Jun-2023
12:25



AFTER
MASS
65
AREA
248678
HEIGHT
127716
20-Jun-2023
17:14



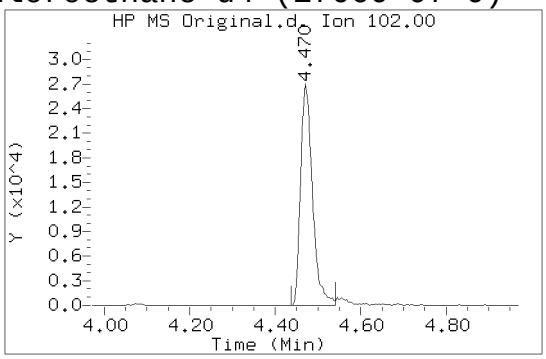
Data File : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061705.D
Inj Date : 17-JUN-2023 12:40
InstruID : voa6.i
LabSampID : VLCSW-230617

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

Reason Code:

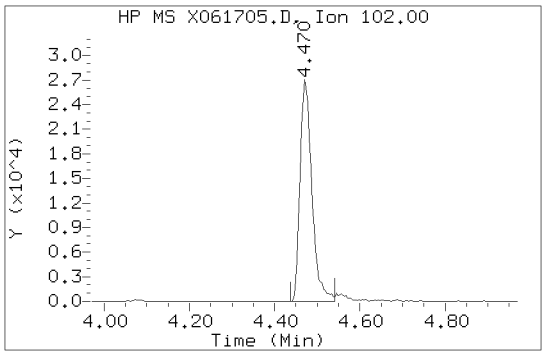
BEFORE

MASS
102
AREA
53594
HEIGHT
27048
19-Jun-2023
12:25



AFTER

MASS
102
AREA
53594
HEIGHT
27048
20-Jun-2023
17:14



Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061707.D Page 1
Report Date: 20-Jun-2023 17:15

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061707.D
Lab Smp Id: VBLKW-230617 Client Smp ID: VBLKW-230617
Inj Date : 17-JUN-2023 13:23
Operator : PC Inst ID: voa6.i
Smp Info : VBLKW-230617;VBLKW-230617;3;;BLANK
Misc Info : V6;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\8260W.m
Meth Date : 20-Jun-2023 17:15 voa6.i Quant Type: ISTD
Cal Date : 15-JUN-2023 13:42 Cal File: X061508.D
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.181	4.178	(1.000)	497634	50.0000	
$ 30 Dibromofluoromethane	113	4.103	4.099	(0.981)	225839	50.8216	50.82
$ 35 1,2-Dichloroethane-d4	65	4.470	4.470	(1.069)	246749	51.4602	51.46
* 36 1,4-Difluorobenzene	114	4.965	4.965	(1.000)	733360	50.0000	
* 47 Chlorobenzene-d5	117	7.668	7.668	(1.000)	649753	50.0000	
$ 48 Toluene-d8	98	6.386	6.386	(0.833)	877454	53.4147	53.41
$ 69 4-Bromofluorobenzene	95	8.687	8.687	(1.133)	310423	48.9230	48.92
* 70 1,4-Dichlorobenzene-d4	152	9.662	9.662	(1.000)	331139	50.0000	

01225914

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061707.D

Page 1

Date : 17-JUN-2023 13:23

Client ID: VBLKW-230617

Instrument: voa6.i

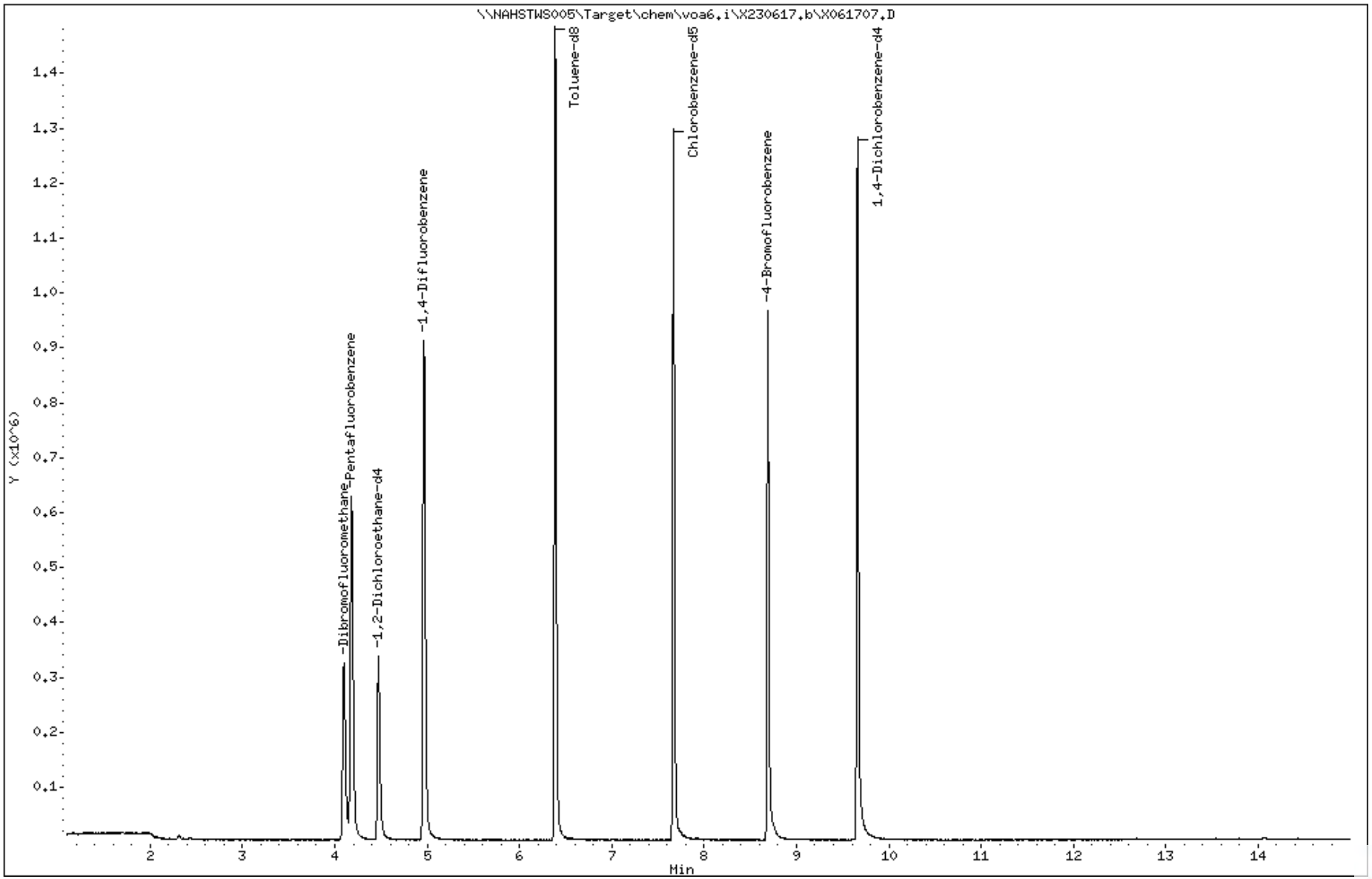
Sample Info: VBLKW-230617;VBLKW-230617;3;;BLANK

Purge Volume: 5.0

Operator: PC

Column phase: DB624

Column diameter: 0.18



Data File : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061707.D
Inj Date : 17-JUN-2023 13:23
InstruID : voa6.i
LabSampID : VBLKW-230617

NO MANUAL INTEGRATIONS

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061708.D Page 1
Report Date: 20-Jun-2023 17:15

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061708.D
Lab Smp Id: HS23060722-10 Client Smp ID: HS23060722-10
Inj Date : 17-JUN-2023 13:44
Operator : PC Inst ID: voa6.i
Smp Info : HS23060722-10;HS23060722-10;;;
Misc Info : V6;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\8260W.m
Meth Date : 20-Jun-2023 17:15 voa6.i Quant Type: ISTD
Cal Date : 15-JUN-2023 13:42 Cal File: X061508.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.178	4.178	(1.000)	498067	50.0000	
15 Iodomethane	142	2.037	2.030	(0.488)	739	2.43448	2.43(a)
$ 30 Dibromofluoromethane	113	4.099	4.099	(0.981)	222858	50.1023	50.10
$ 35 1,2-Dichloroethane-d4	65	4.474	4.470	(1.071)	250914	52.2971	52.29
* 36 1,4-Difluorobenzene	114	4.965	4.965	(1.000)	731211	50.0000	
* 47 Chlorobenzene-d5	117	7.668	7.668	(1.000)	643081	50.0000	
$ 48 Toluene-d8	98	6.385	6.386	(0.833)	867704	53.3692	53.36
$ 69 4-Bromofluorobenzene	95	8.691	8.687	(1.133)	300876	47.8992	47.89
* 70 1,4-Dichlorobenzene-d4	152	9.662	9.662	(1.000)	316902	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

01225917

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061708.D

Date : 17-JUN-2023 13:44

Client ID: HS23060722-10

Instrument: voa6.i

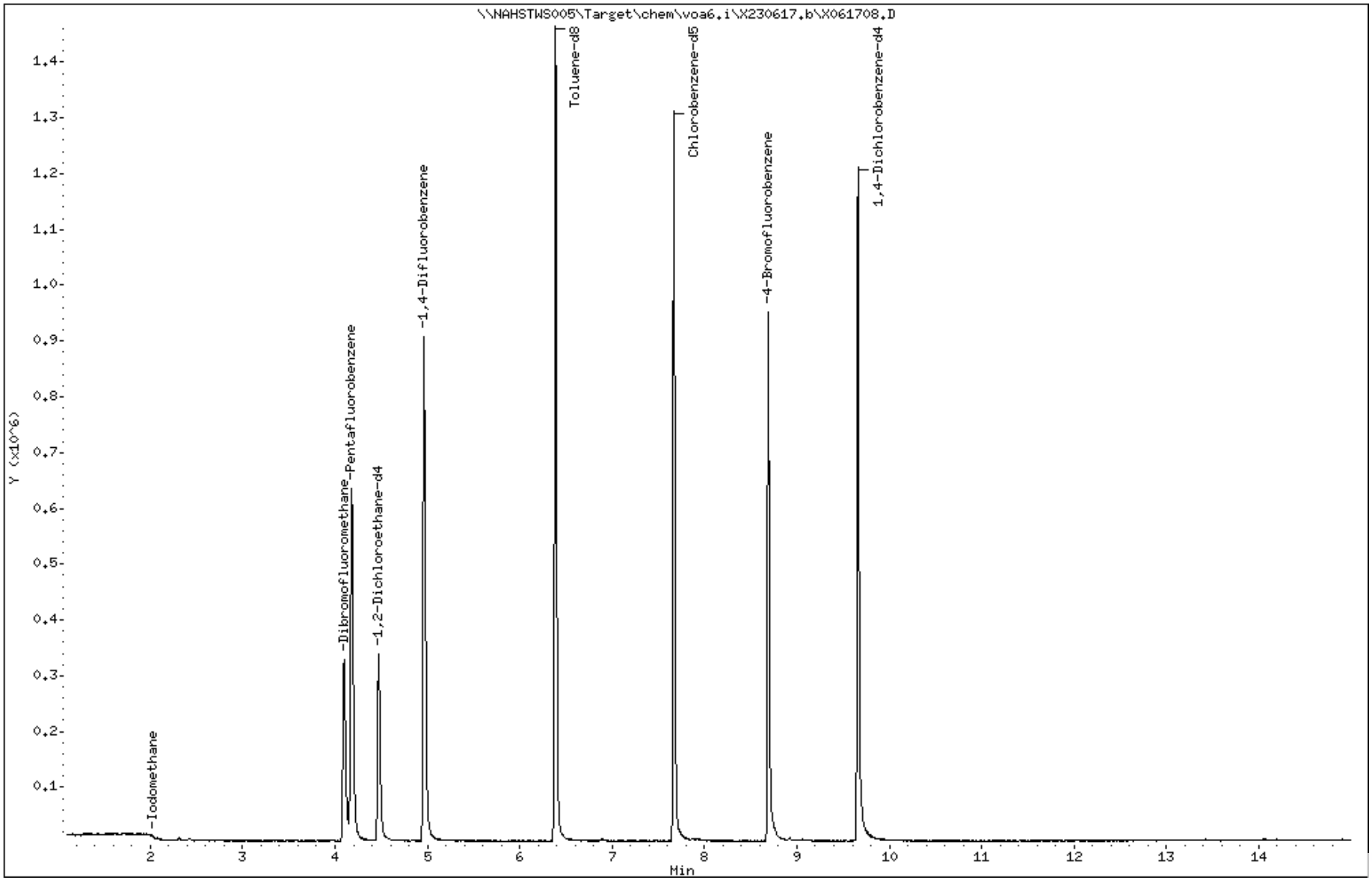
Sample Info: HS23060722-10;HS23060722-10;;;

Purge Volume: 5.0

Operator: PC

Column phase: DB624

Column diameter: 0.18



Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061708.D Page 2

Date : 17-JUN-2023 13:44

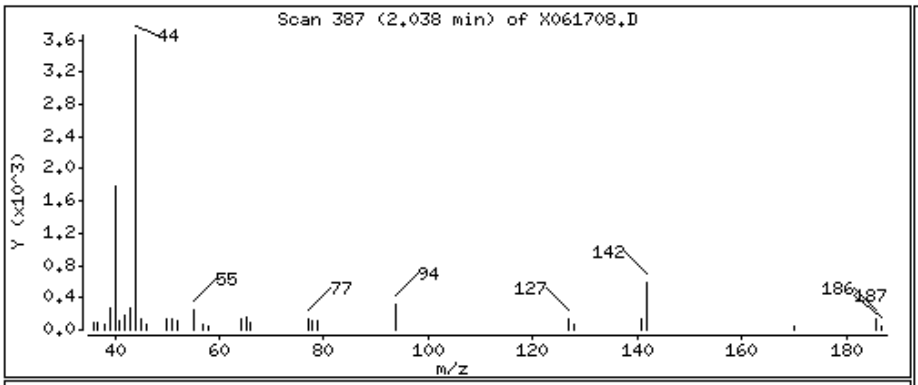
Client ID: HS23060722-10 Instrument: voa6.i

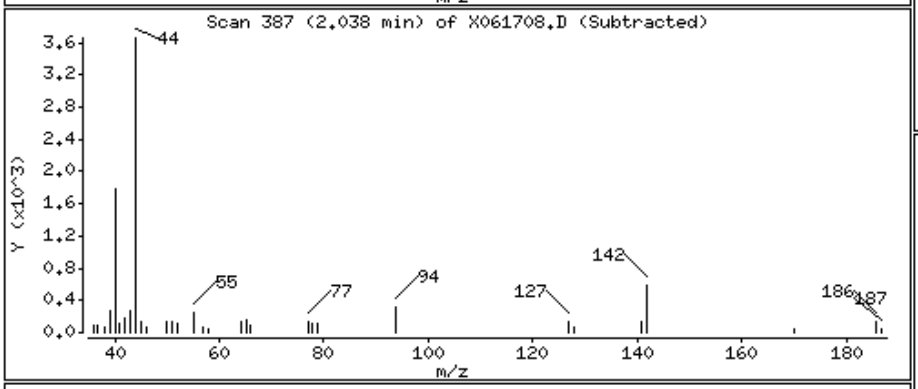
Sample Info: HS23060722-10;HS23060722-10;;;

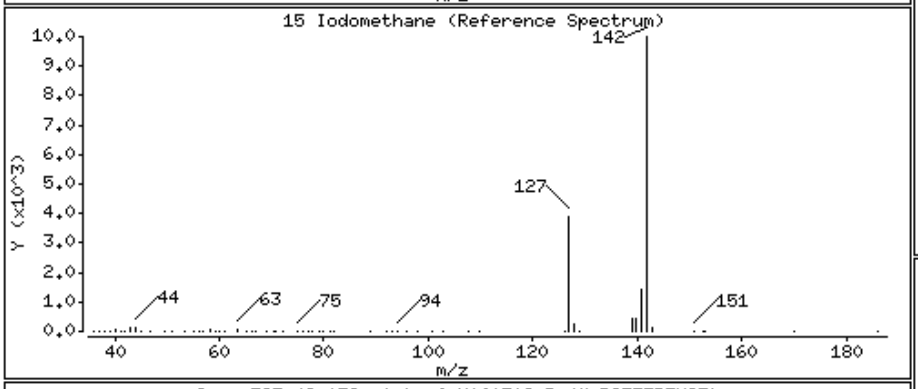
Purge Volume: 5.0 Operator: PC

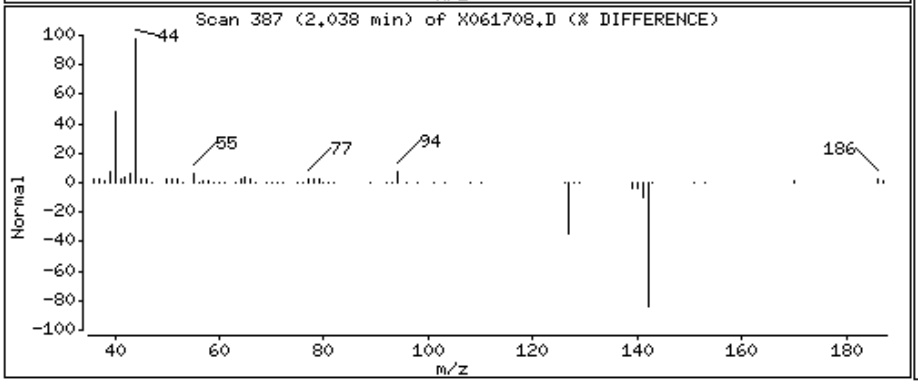
Column phase: DB624 Column diameter: 0.18

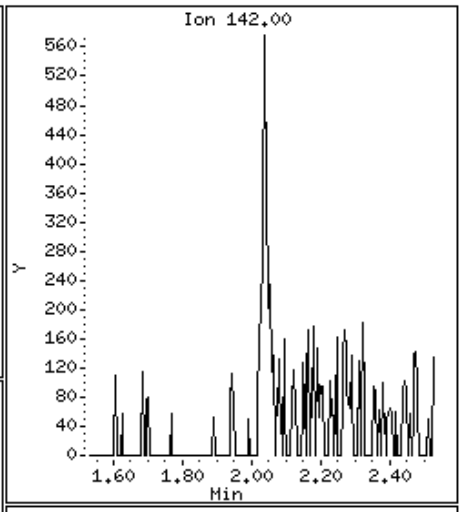
15 Iodomethane Concentration: 2.43 ug/l

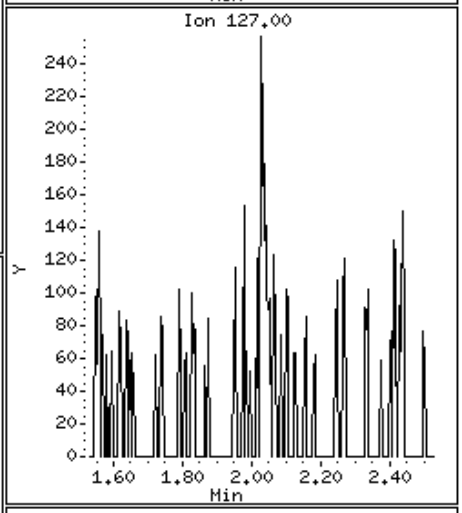


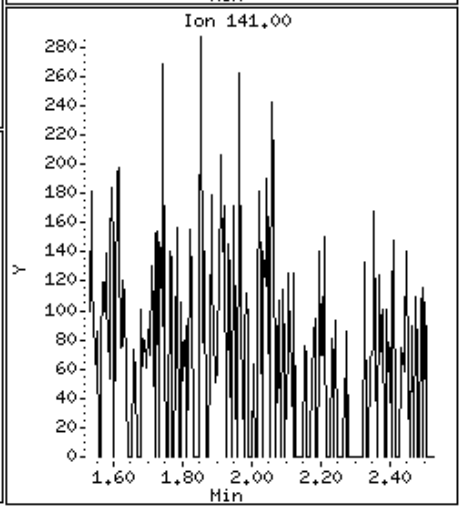












Data File : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061708.D
Inj Date : 17-JUN-2023 13:44
InstruID : voa6.i
LabSampID : HS23060722-10

NO MANUAL INTEGRATIONS

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061709.D Page 1
Report Date: 20-Jun-2023 17:15

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061709.D
Lab Smp Id: HS23060722-05 Client Smp ID: HS23060722-05
Inj Date : 17-JUN-2023 14:05
Operator : PC Inst ID: voa6.i
Smp Info : HS23060722-05;HS23060722-05;;;
Misc Info : V6;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\8260W.m
Meth Date : 20-Jun-2023 17:15 voa6.i Quant Type: ISTD
Cal Date : 15-JUN-2023 13:42 Cal File: X061508.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.181	4.178	(1.000)	502504	50.0000	
11 1,1-Dichloroethene	96	1.917	1.917	(0.459)	112233	28.5281	28.52
22 1,1-Dichloroethane	63	2.925	2.922	(0.700)	49783	5.87033	5.87
$ 30 Dibromofluoromethane	113	4.099	4.099	(0.980)	225642	50.2815	50.28
$ 35 1,2-Dichloroethane-d4	65	4.474	4.470	(1.070)	252871	52.2387	52.23
* 36 1,4-Difluorobenzene	114	4.965	4.965	(1.000)	739475	50.0000	
* 47 Chlorobenzene-d5	117	7.667	7.668	(1.000)	653992	50.0000	
$ 48 Toluene-d8	98	6.385	6.386	(0.833)	880267	53.2387	53.23
$ 69 4-Bromofluorobenzene	95	8.687	8.687	(1.133)	313965	49.1631	49.16
* 70 1,4-Dichlorobenzene-d4	152	9.662	9.662	(1.000)	338346	50.0000	

01225921

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061709.D

Page 1

Date : 17-JUN-2023 14:05

Client ID: HS23060722-05

Instrument: voa6.i

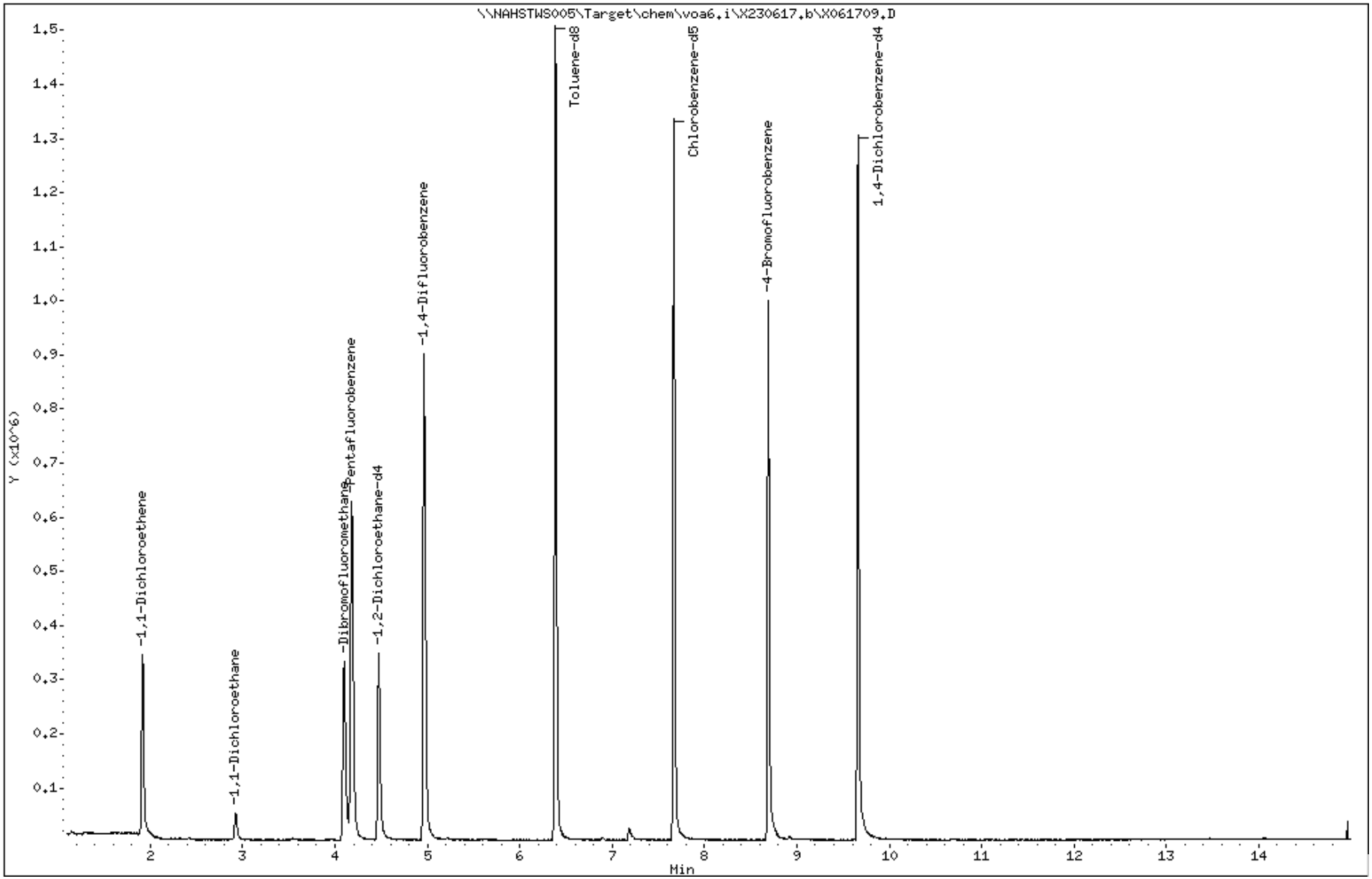
Sample Info: HS23060722-05;HS23060722-05;;;

Purge Volume: 5.0

Operator: PC

Column phase: DB624

Column diameter: 0.18



Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061709.D Page 2

Date : 17-JUN-2023 14:05

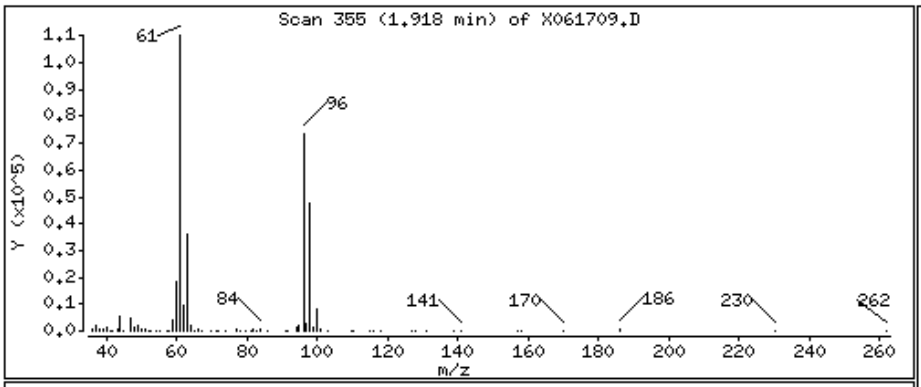
Client ID: HS23060722-05 Instrument: voa6.i

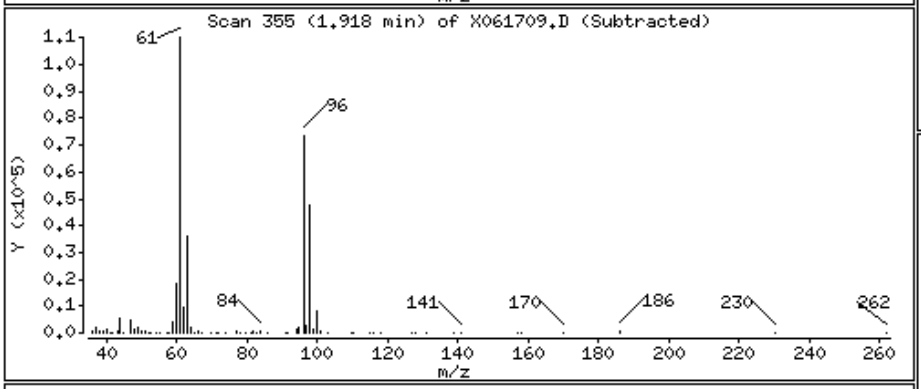
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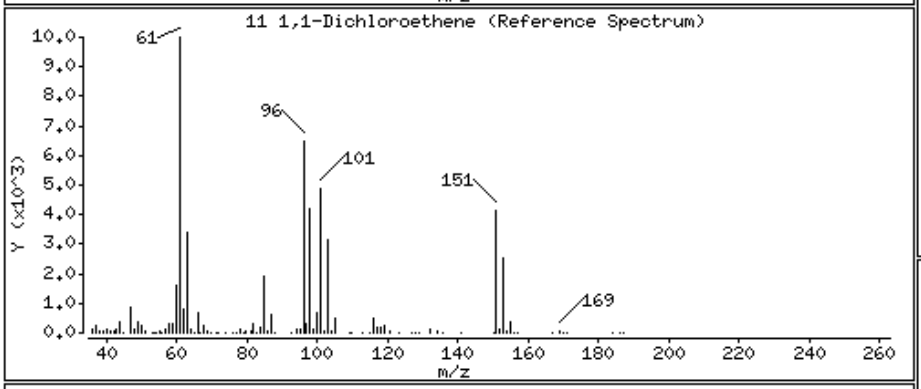
Purge Volume: 5.0 Operator: PC

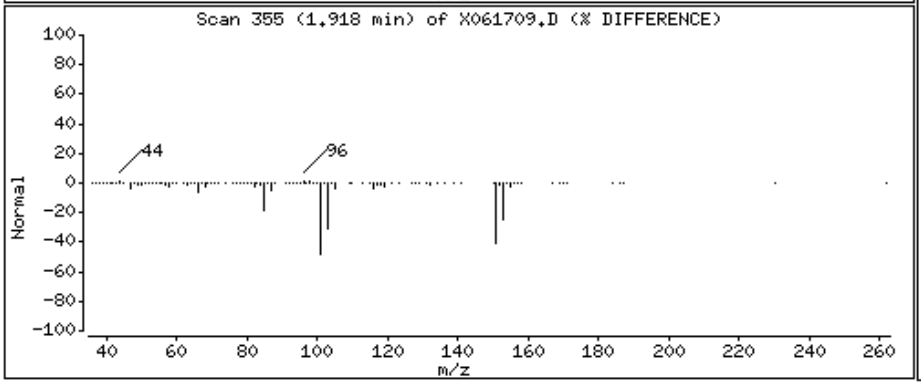
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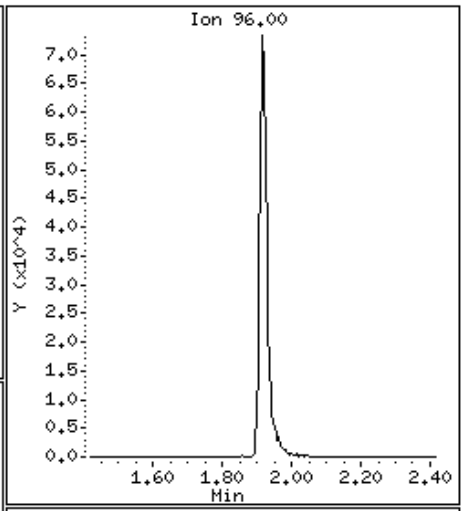
11 1,1-Dichloroethene Concentration: 28.52 ug/l

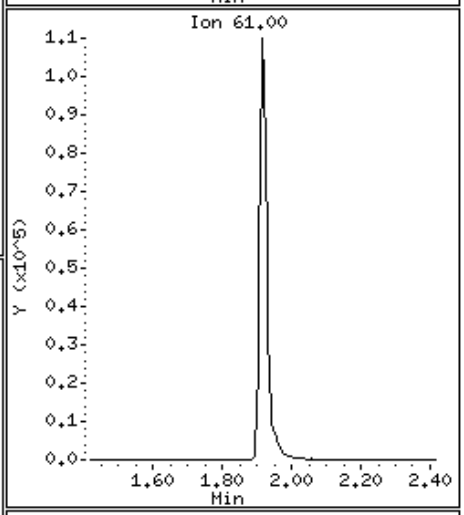


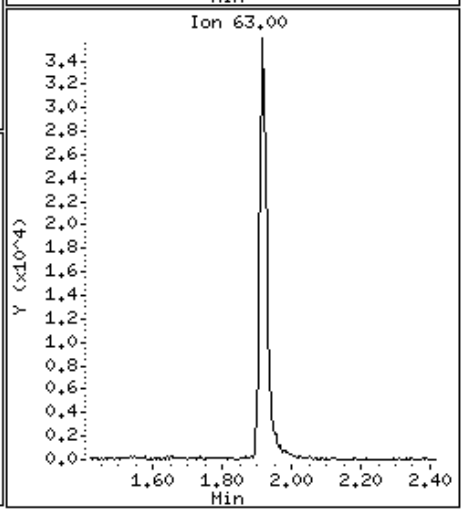












Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061709.D Page 3

Date : 17-JUN-2023 14:05

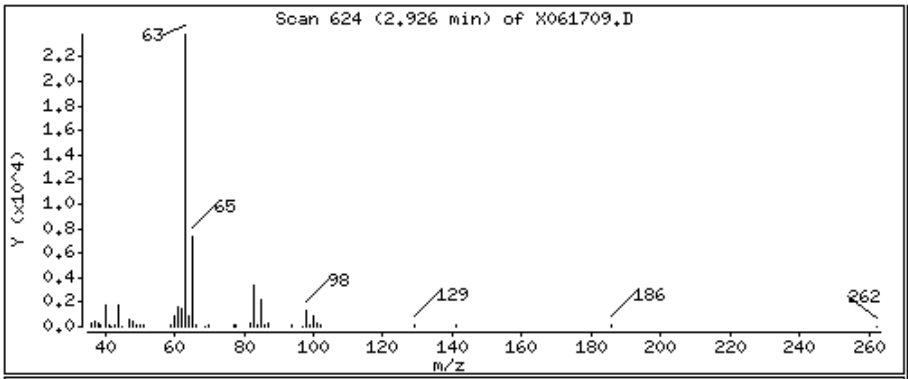
Client ID: HS23060722-05 Instrument: voa6.i

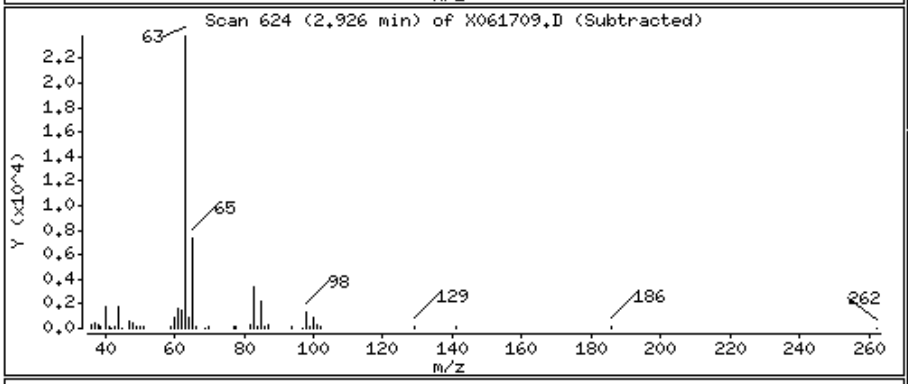
Sample Info: HS23060722-05;HS23060722-05;;;

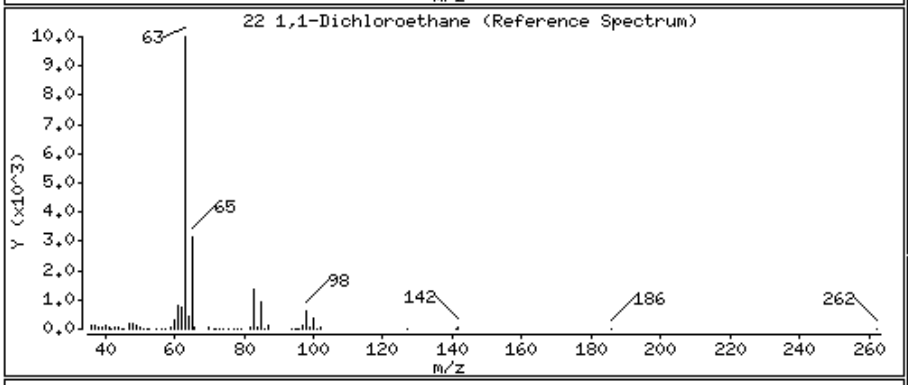
Purge Volume: 5.0 Operator: PC

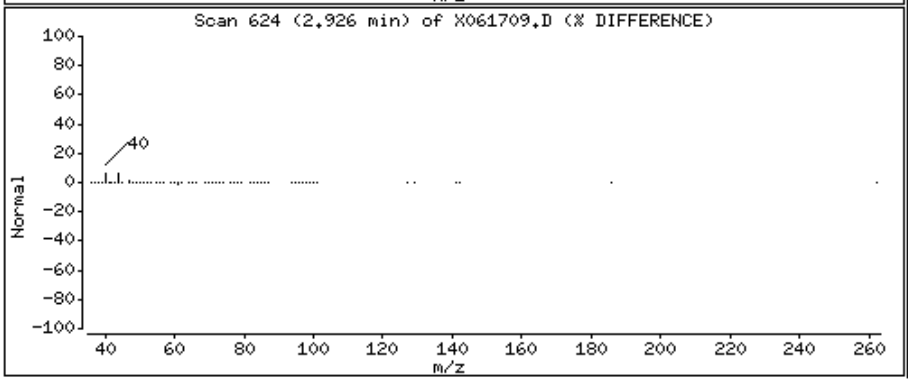
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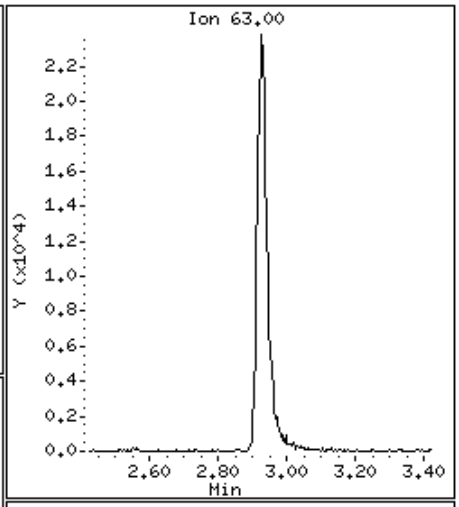
22 1,1-Dichloroethane Concentration: 5.87 ug/l

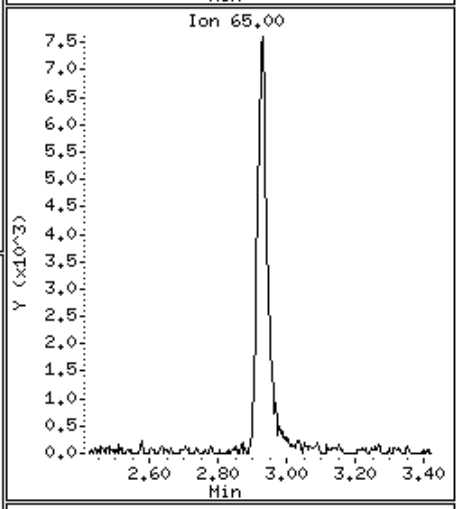


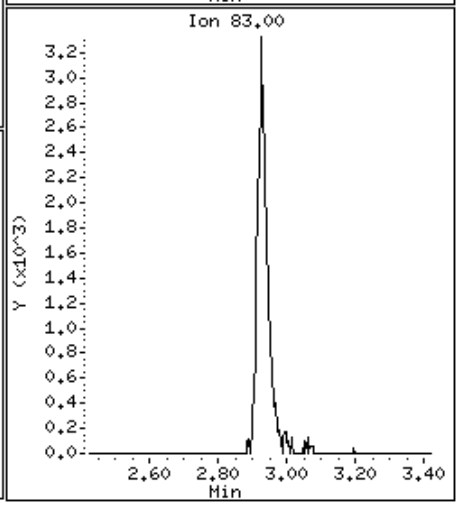












Data File : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061709.D
Inj Date : 17-JUN-2023 14:05
InstruID : voa6.i
LabSampID : HS23060722-05

NO MANUAL INTEGRATIONS

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061710.D Page 1
Report Date: 20-Jun-2023 17:15

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061710.D
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Inj Date : 17-JUN-2023 14:26
Operator : PC Inst ID: voa6.i
Smp Info : HS23060722-05MS;HS23060722-05MS;3;;MS
Misc Info : V6;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\8260W.m
Meth Date : 20-Jun-2023 17:15 voa6.i Quant Type: ISTD
Cal Date : 15-JUN-2023 13:42 Cal File: X061508.D
Als bottle: 9 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1	Pentafluorobenzene	168	4.181	4.178	(1.000)	499166	50.0000	
135	1,4-Dioxane	88	5.602	5.595	(1.340)	24746	409.072	409.07(a)
140	1,3-Butadiene	54	1.167	1.167	(0.279)	90530	21.8852	21.88
25	Methacrylonitrile	41	3.829	3.821	(0.916)	90103	21.8767	21.87
12	Isobutyl Alcohol	43	4.680	4.676	(1.119)	288725	443.605	443.60
13	Acetonitrile	39	2.198	2.198	(0.526)	117242	242.156	242.15
14	Allyl Chloride	41	2.202	2.202	(0.527)	244807	22.3634	22.36
4	Propionitrile	54	3.656	3.649	(0.874)	130947	216.913	216.91(a)
72	trans-1,4-Dichloro-2-butene	53	8.886	8.886	(1.159)	33944	21.5361	21.53
194	Acetaldehyde	44	1.216	1.216	(0.291)	26906	100.742	100.74(M)
23	Chloroprene	53	1.775	1.775	(0.424)	34145	20.5805	20.58(M)
130	Ethyl Acetate	43	3.656	3.653	(0.874)	109033	21.4285	21.42
40	Methyl Methacrylate	41	5.606	5.602	(1.341)	87240	22.5762	22.57
49	Ethyl Methacrylate	69	6.708	6.708	(1.351)	110784	21.2728	21.27
131	Methyl Acrylate	55	3.694	3.687	(0.883)	95619	23.6516	23.65
136	n-Hexane	57	2.772	2.772	(0.663)	120867	27.0589	27.05
156	Diisopropyl ether	45	3.000	3.001	(0.718)	311739	21.1754	21.17
166	1,2,3-Trimethylbenzene	105	9.729	9.729	(1.007)	422424	25.2848	25.28
2	Dichlorodifluoromethane	85	0.976	0.976	(0.234)	89814	21.0871	21.08
3	Chloromethane	50	1.081	1.081	(0.259)	108609	21.1874	21.18

5	Vinyl Chloride	62	1.148	1.145 (0.275)	115320	21.9979	21.99
6	Bromomethane	94	1.343	1.344 (0.321)	60639	20.1515	20.15

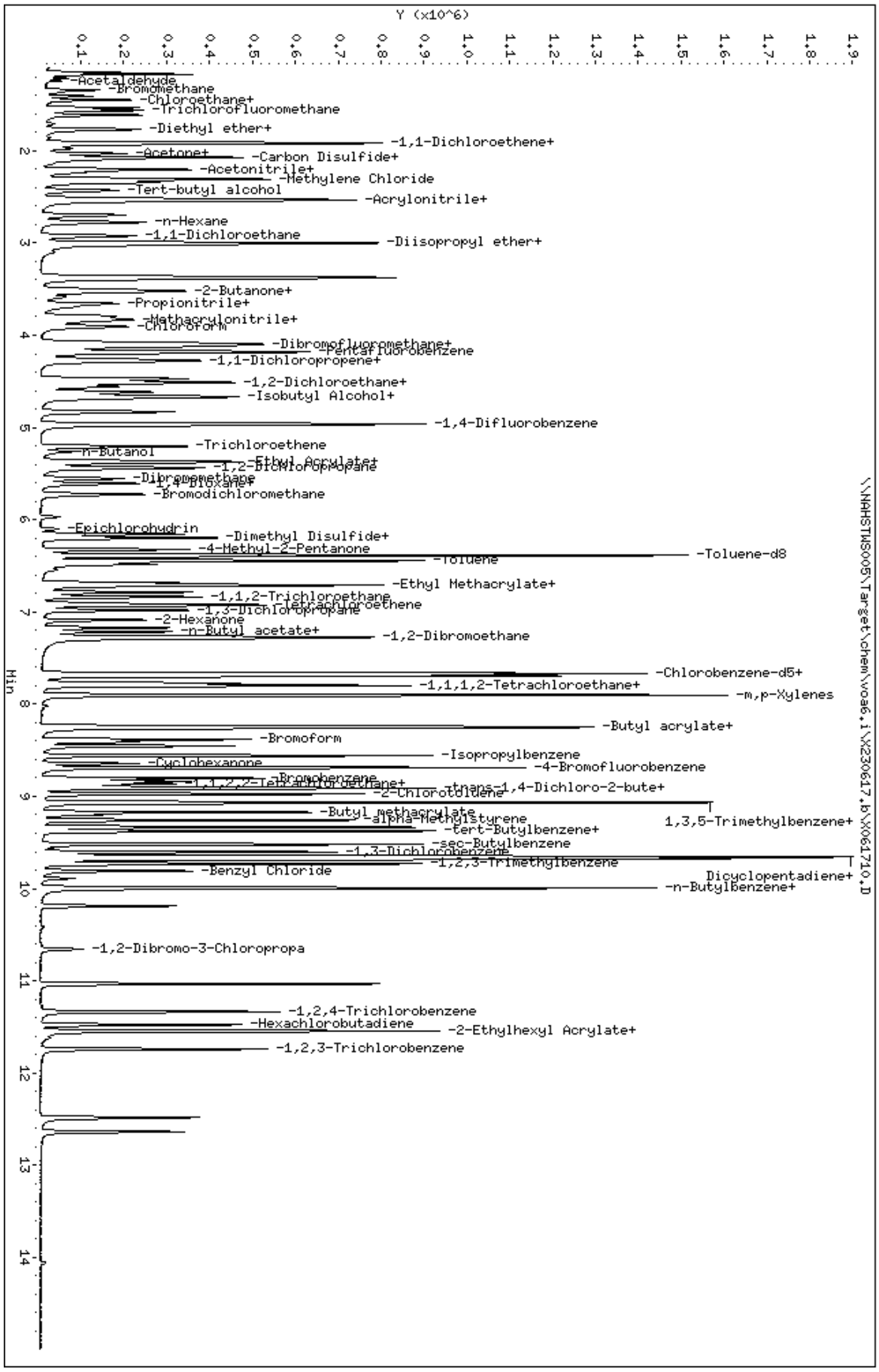
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
	7 Chloroethane	64	1.407	1.407	(0.337)	70439	21.9817	21.98
	8 Trichlorofluoromethane	101	1.561	1.565	(0.373)	144728	23.2321	23.23
	9 Acrolein	56	1.448	1.449	(0.346)	16616	53.6451	53.64
	10 Acetone	43	1.977	1.973	(0.473)	44795	34.2372	34.23
	11 1,1-Dichloroethene	96	1.917	1.917	(0.459)	196515	50.2855	50.28
	15 Iodomethane	142	2.029	2.030	(0.485)	199867	32.6892	32.68
	16 Acrylonitrile	53	2.539	2.536	(0.607)	64988	41.0161	41.01
	17 Methylene Chloride	84	2.307	2.307	(0.552)	104262	18.8877	18.88
	18 Methyl tert-butyl ether	73	2.535	2.536	(0.606)	288149	21.1257	21.12
	19 Carbon Disulfide	76	2.071	2.071	(0.495)	544236	39.1109	39.11
	20 trans-1,2-Dichloroethene	96	2.532	2.528	(0.606)	95335	20.3871	20.38
	21 Vinyl Acetate	43	3.000	2.997	(0.718)	543755	43.5663	43.56
	22 1,1-Dichloroethane	63	2.922	2.922	(0.699)	225208	26.7337	26.73
	24 2-Butanone	43	3.585	3.578	(0.857)	58380	35.5384	35.53
	26 2,2-Dichloropropane	77	3.510	3.507	(0.840)	158217	23.7976	23.79
	27 cis-1,2-Dichloroethene	96	3.525	3.525	(0.843)	112064	20.7812	20.78
	28 Chloroform	83	3.907	3.908	(0.935)	182466	20.1242	20.12
	29 Bromochloromethane	128	3.795	3.795	(0.908)	56125	19.5315	19.53
$	30 Dibromofluoromethane	113	4.099	4.099	(0.980)	219104	49.1433	49.14
	31 1,1,1-Trichloroethane	97	4.080	4.080	(0.976)	157782	21.5305	21.53
	32 1,1-Dichloropropene	75	4.279	4.279	(0.862)	142556	23.4152	23.41
	33 1,2-Dichloroethane	62	4.556	4.556	(0.918)	137392	22.5213	22.52
	34 Carbon Tetrachloride	117	4.264	4.264	(0.859)	136457	23.3053	23.30
$	35 1,2-Dichloroethane-d4	65	4.470	4.470	(1.069)	248548	51.6799	51.67
*	36 1,4-Difluorobenzene	114	4.965	4.965	(1.000)	726571	50.0000	
	37 Benzene	78	4.511	4.511	(0.909)	410877	21.9846	21.98
	38 Trichloroethene	130	5.208	5.205	(1.049)	113449	22.0161	22.01
	39 Bromodichloromethane	83	5.726	5.722	(1.153)	139638	21.1218	21.12
	42 1,2-Dichloropropane	63	5.433	5.433	(1.094)	106909	21.7932	21.79
	44 Dibromomethane	93	5.553	5.550	(1.119)	66299	21.5292	21.52
	45 4-Methyl-2-Pentanone	43	6.325	6.322	(0.825)	199698	47.7391	47.73
	46 cis-1,3-Dichloropropene	75	6.153	6.153	(1.239)	175944	21.5846	21.58
*	47 Chlorobenzene-d5	117	7.667	7.668	(1.000)	647565	50.0000	
$	48 Toluene-d8	98	6.385	6.386	(0.833)	866691	52.9378	52.93
	50 Toluene	91	6.445	6.446	(0.841)	444296	23.3707	23.37
	51 trans-1,3-Dichloropropene	75	6.681	6.678	(1.346)	149640	21.9411	21.94
	52 2-Hexanone	43	7.086	7.087	(0.924)	132270	47.3375	47.33
	53 1,1,2-Trichloroethane	83	6.839	6.839	(0.892)	82655	22.3172	22.31
	54 1,3-Dichloropropane	76	6.981	6.978	(0.911)	171508	22.9028	22.90
	55 Dibromochloromethane	129	7.173	7.173	(0.935)	115672	22.0372	22.03
	56 Tetrachloroethene	164	6.925	6.925	(0.903)	94112	24.0735	24.07
	57 1,2-Dibromoethane	107	7.259	7.259	(0.947)	105978	22.3868	22.38
	58 1-Chlorohexane	55	7.694	7.694	(1.550)	107209	24.2639	24.26
	59 Chlorobenzene	112	7.694	7.690	(1.003)	297620	22.8797	22.87
	60 1,1,1,2-Tetrachloroethane	131	7.772	7.773	(1.014)	107337	22.1291	22.12
	61 Ethylbenzene	106	7.799	7.799	(1.017)	157424	23.4893	23.48
	62 m,p-Xylenes	106	7.900	7.900	(1.030)	395899	47.9017	47.90
	63 o-Xylene	106	8.241	8.241	(1.075)	190129	23.0543	23.05
	64 Styrene	104	8.260	8.256	(1.077)	312601	23.0121	23.01
	66 Bromoform	173	8.410	8.406	(1.097)	77718	21.2387	21.23
	67 Isopropylbenzene	105	8.560	8.560	(1.116)	494030	24.2356	24.23
	68 1,1,2,2-Tetrachloroethane	83	8.837	8.837	(0.915)	137617	22.2674	22.26

$	69	4-Bromofluorobenzene	95	8.687	8.687 (1.133)	309583	48.9558	48.95
*	70	1,4-Dichlorobenzene-d4	152	9.662	9.662 (1.000)	351472	50.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
71	1,2,3-Trichloropropane	75	8.863	8.863	(0.917)	103174	23.2812	23.28(M)
73	n-Propylbenzene	91	8.912	8.908	(0.922)	592248	25.6067	25.60
74	Bromobenzene	156	8.803	8.803	(0.911)	129158	22.5464	22.54
75	1,3,5-Trimethylbenzene	105	9.066	9.066	(0.938)	416226	24.5255	24.52
76	2-Chlorotoluene	91	8.972	8.972	(0.929)	355324	24.1925	24.19
77	4-Chlorotoluene	91	9.069	9.066	(0.939)	401962	24.5356	24.53
78	tert-Butylbenzene	119	9.336	9.332	(0.966)	352740	24.9482	24.94
79	1,2,4-Trimethylbenzene	105	9.377	9.377	(0.971)	416905	24.3484	24.34
81	sec-Butylbenzene	105	9.519	9.519	(0.985)	506372	25.3936	25.39
82	p-Isopropyltoluene	119	9.647	9.647	(0.998)	438899	25.1396	25.13
83	1,3-Dichlorobenzene	146	9.605	9.602	(0.994)	239060	23.4372	23.43
84	1,4-Dichlorobenzene	146	9.680	9.681	(1.002)	250156	22.9128	22.91
87	n-Butylbenzene	91	9.992	9.992	(1.034)	394464	26.5283	26.52
88	1,2-Dichlorobenzene	146	9.992	9.992	(1.034)	232769	22.9994	22.99
89	1,2-Dibromo-3-Chloropropane	155	10.659	10.655	(1.103)	23288	23.2303	23.23
90	1,2,4-Trichlorobenzene	180	11.337	11.334	(1.173)	165656	23.5298	23.52
91	Hexachlorobutadiene	225	11.476	11.480	(1.188)	76892	24.3315	24.33
92	Naphthalene	128	11.543	11.540	(1.195)	366498	23.1246	23.12
93	1,2,3-Trichlorobenzene	180	11.738	11.739	(1.215)	147749	22.8071	22.80
M 94	1,2-Dichloroethylene (total)	96				207399	41.1683	41.16
M 95	Xylenes (total)	106				586028	70.9560	70.95
141	Cyclohexane	56	4.125	4.121	(0.987)	158636	24.9310	24.93
138	Freon TF	101	1.917	1.917	(0.459)	88516	25.7467	25.74
147	Methylcyclohexane	55	5.384	5.377	(1.085)	270392	26.6274	26.62
146	Methyl Acetate	43	2.236	2.236	(0.535)	62235	21.0644	21.06
148	Tert-Butyl alcohol	59	2.431	2.431	(0.581)	203167	396.355	396.35
149	Isopropyl Alcohol	45	2.097	2.093	(0.502)	110343	389.992	389.99

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.



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Sample Info: HS23060722-05MS;HS23060722-05MS;3;;MS
Purge Volume: 5.0
Column phase: DB624

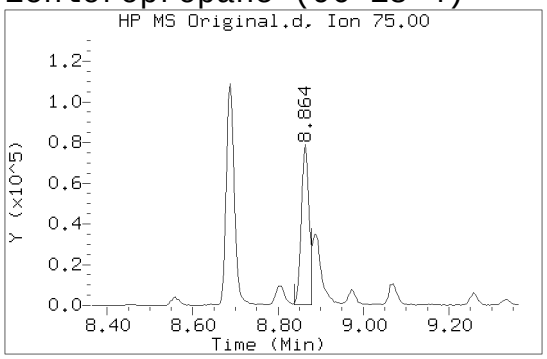
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Operator: PC
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Inj Date : 17-JUN-2023 14:26
InstruID : voa6.i
LabSampID : HS23060722-05MS

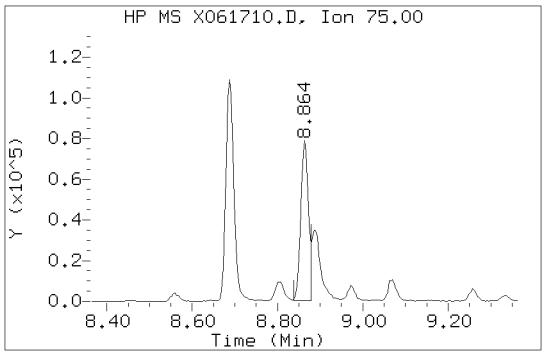
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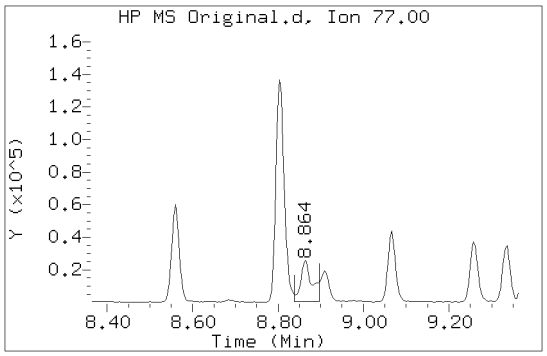
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19-Jun-2023
12:25



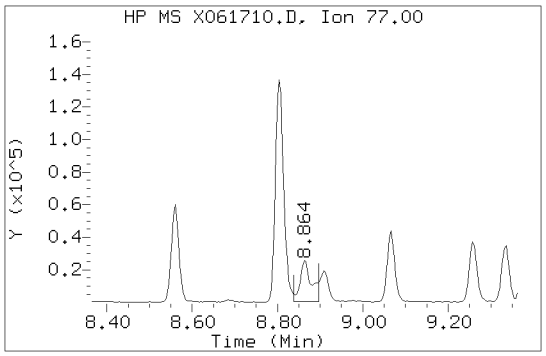
AFTER
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75
AREA
103174
HEIGHT
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20-Jun-2023
17:14



BEFORE
MASS
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AREA
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HEIGHT
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19-Jun-2023
12:25



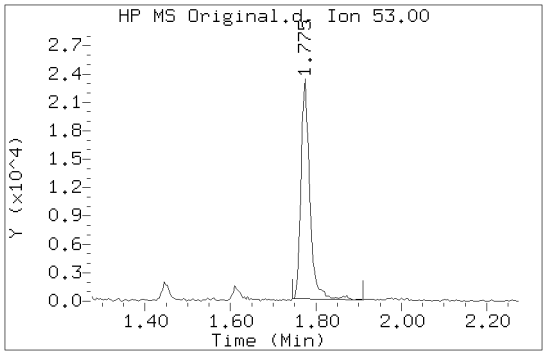
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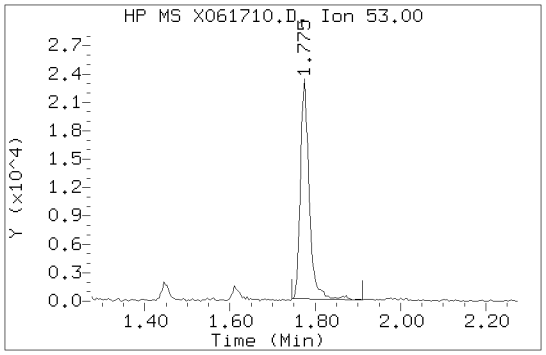
Chloroprene (126-99-8)

Reason Code:

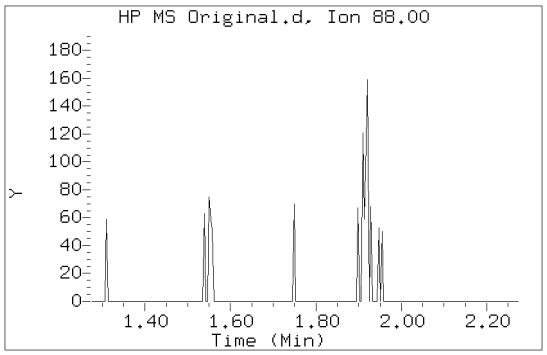
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12:25



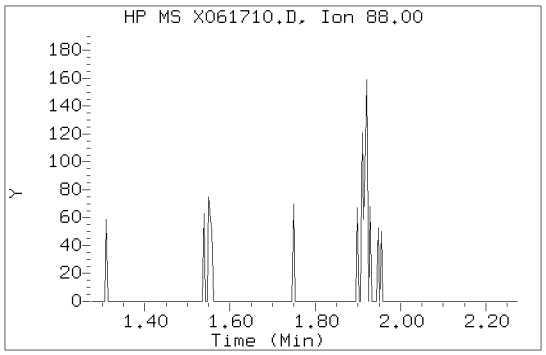
AFTER
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17:14



BEFORE
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AREA
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12:25



AFTER
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AREA
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HEIGHT
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20-Jun-2023
17:14



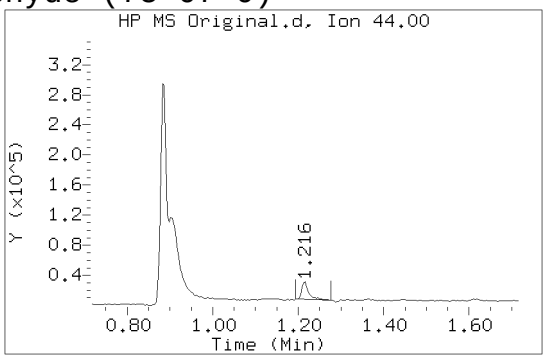
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Inj Date : 17-JUN-2023 14:26
InstruID : voa6.i
LabSampID : HS23060722-05MS

Acetaldehyde (75-07-0)

Reason Code:

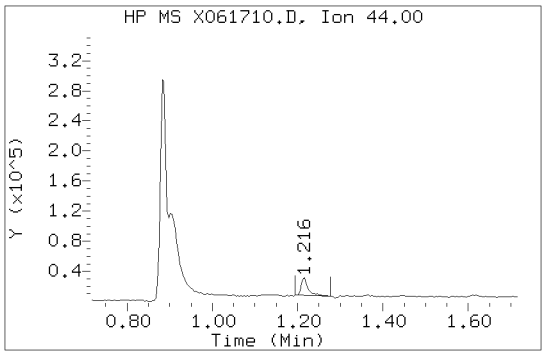
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12:25



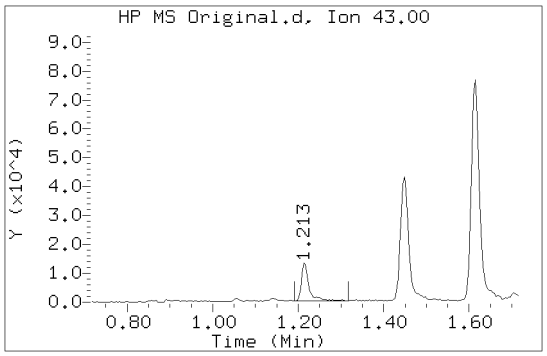
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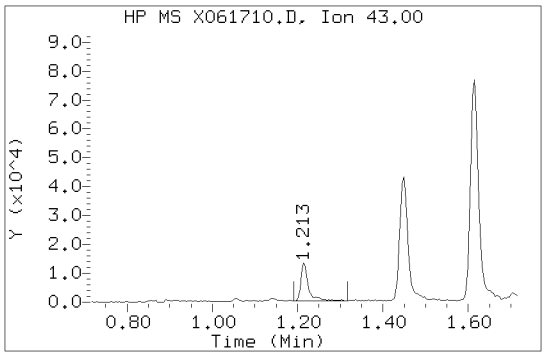
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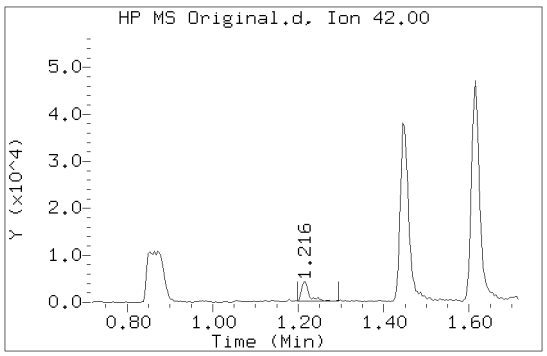
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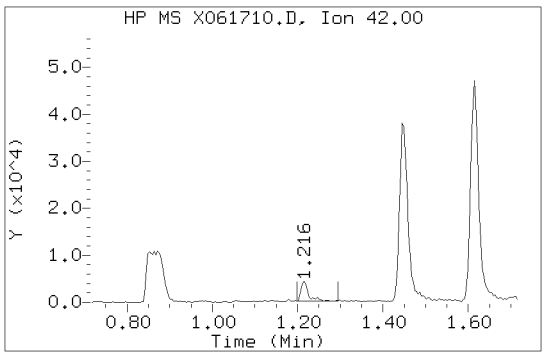
BEFORE

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AREA
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19-Jun-2023
12:25



AFTER

MASS
42
AREA
5415
HEIGHT
4096
20-Jun-2023
17:14



Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061711.D Page 1
Report Date: 20-Jun-2023 17:15

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061711.D
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Inj Date : 17-JUN-2023 14:47
Operator : PC Inst ID: voa6.i
Smp Info : HS23060722-05MSD;HS23060722-05MSD;3;;MSD
Misc Info : V6;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\8260W.m
Meth Date : 20-Jun-2023 17:15 voa6.i Quant Type: ISTD
Cal Date : 15-JUN-2023 13:42 Cal File: X061508.D
Als bottle: 9 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.181	4.178	(1.000)	506199	50.0000	
135 1,4-Dioxane	88	5.602	5.595	(1.340)	24829	404.742	404.74(a)
140 1,3-Butadiene	54	1.167	1.167	(0.279)	89845	21.4178	21.41
25 Methacrylonitrile	41	3.821	3.821	(0.914)	94430	22.6087	22.60
12 Isobutyl Alcohol	43	4.676	4.676	(1.118)	301477	456.762	456.76
13 Acetonitrile	39	2.202	2.198	(0.527)	118575	241.507	241.50
14 Allyl Chloride	41	2.202	2.202	(0.527)	255891	23.0512	23.05
4 Propionitrile	54	3.653	3.649	(0.874)	138689	226.546	226.54(a)
72 trans-1,4-Dichloro-2-butene	53	8.890	8.886	(1.159)	37226	22.8674	22.86
194 Acetaldehyde	44	1.216	1.216	(0.291)	26771	98.7790	98.77(M)
23 Chloroprene	53	1.775	1.775	(0.424)	33827	20.1056	20.10(M)
130 Ethyl Acetate	43	3.656	3.653	(0.874)	109966	21.3116	21.31
40 Methyl Methacrylate	41	5.606	5.602	(1.341)	93314	23.8126	23.81
49 Ethyl Methacrylate	69	6.708	6.708	(1.351)	119198	22.4184	22.41
131 Methyl Acrylate	55	3.690	3.687	(0.883)	99211	24.1991	24.19
136 n-Hexane	57	2.772	2.772	(0.663)	114930	25.4047	25.40
156 Diisopropyl ether	45	3.004	3.001	(0.719)	324611	21.7434	21.74
166 1,2,3-Trimethylbenzene	105	9.729	9.729	(1.007)	428007	25.0150	25.01
2 Dichlorodifluoromethane	85	0.976	0.976	(0.234)	90368	20.9250	20.92
3 Chloromethane	50	1.081	1.081	(0.259)	110681	21.2866	21.28

5	Vinyl Chloride	62	1.145	1.145 (0.274)	113780	21.4026	21.40
6	Bromomethane	94	1.344	1.344 (0.321)	61719	20.2254	20.22

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061711.D Page 2
Report Date: 20-Jun-2023 17:15

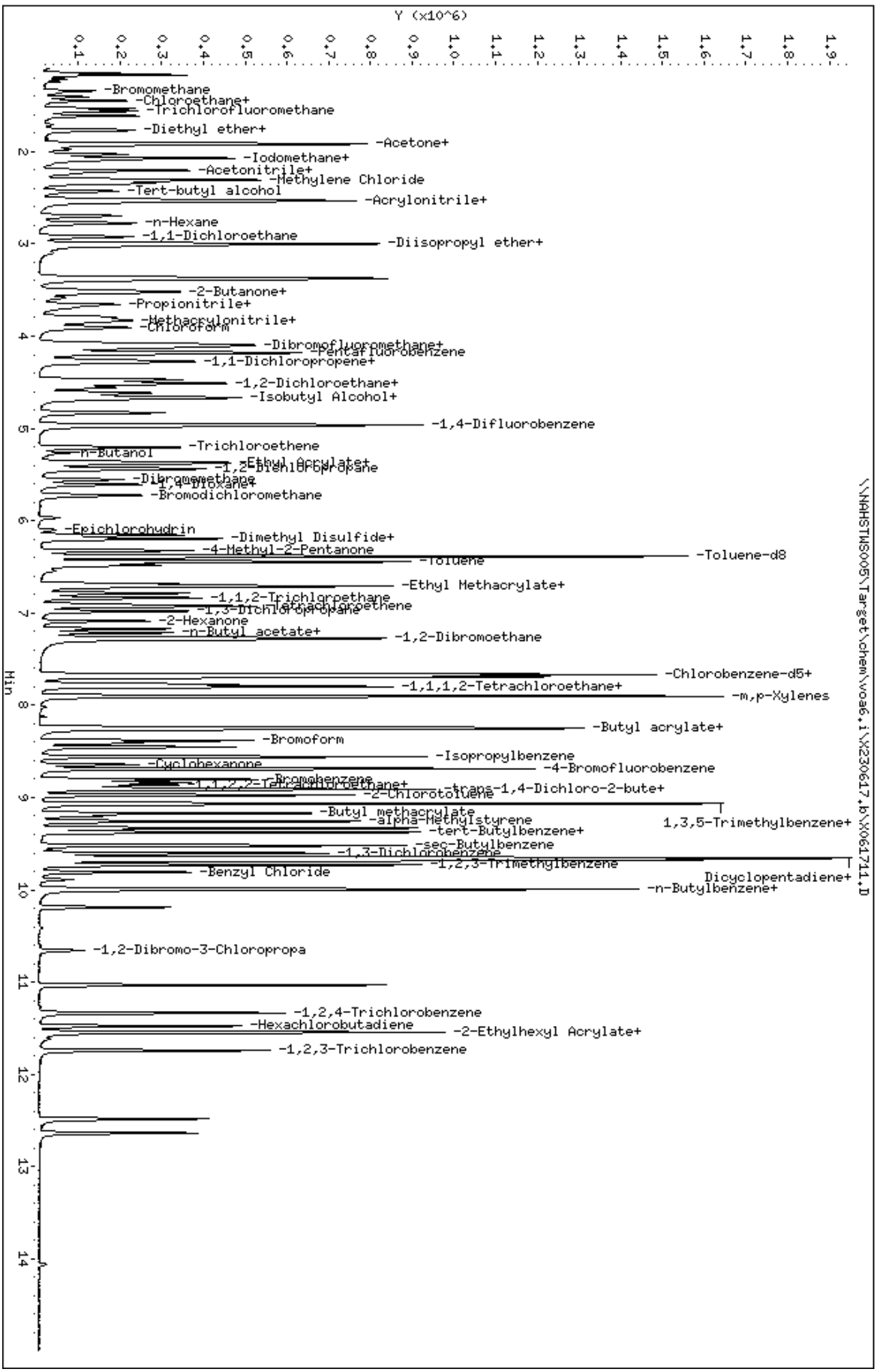
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	7 Chloroethane	64	1.407	1.407	(0.337)	69006	21.2353	21.23
	8 Trichlorofluoromethane	101	1.565	1.565	(0.374)	140635	22.2615	22.26
	9 Acrolein	56	1.448	1.449	(0.347)	15603	49.6747	49.67
	10 Acetone	43	1.977	1.973	(0.473)	47468	35.7883	35.78
	11 1,1-Dichloroethene	96	1.917	1.917	(0.459)	189045	47.7020	47.70
	15 Iodomethane	142	2.030	2.030	(0.485)	220590	35.3613	35.36
	16 Acrylonitrile	53	2.539	2.536	(0.607)	66392	41.3200	41.32
	17 Methylene Chloride	84	2.307	2.307	(0.552)	107217	19.1531	19.15
	18 Methyl tert-butyl ether	73	2.532	2.536	(0.606)	300185	21.7023	21.70
	19 Carbon Disulfide	76	2.071	2.071	(0.495)	538702	38.1754	38.17
	20 trans-1,2-Dichloroethene	96	2.532	2.528	(0.606)	98716	20.8168	20.81
	21 Vinyl Acetate	43	3.000	2.997	(0.718)	564386	44.5910	44.59
	22 1,1-Dichloroethane	63	2.922	2.922	(0.699)	226282	26.4880	26.48
	24 2-Butanone	43	3.581	3.578	(0.857)	68144	40.9058	40.90
	26 2,2-Dichloropropane	77	3.510	3.507	(0.840)	157292	23.3297	23.32
	27 cis-1,2-Dichloroethene	96	3.529	3.525	(0.844)	113055	20.6737	20.67
	28 Chloroform	83	3.904	3.908	(0.934)	184200	20.0332	20.03
	29 Bromochloromethane	128	3.795	3.795	(0.908)	57938	19.8823	19.88
$	30 Dibromofluoromethane	113	4.095	4.099	(0.979)	223169	49.3611	49.36
	31 1,1,1-Trichloroethane	97	4.080	4.080	(0.976)	160956	21.6584	21.65
	32 1,1-Dichloropropene	75	4.279	4.279	(0.862)	141223	22.7199	22.71
	33 1,2-Dichloroethane	62	4.556	4.556	(0.918)	139339	22.3714	22.37
	34 Carbon Tetrachloride	117	4.264	4.264	(0.859)	136360	22.8105	22.81
$	35 1,2-Dichloroethane-d4	65	4.470	4.470	(1.069)	247333	50.6967	50.69
*	36 1,4-Difluorobenzene	114	4.965	4.965	(1.000)	741804	50.0000	
	37 Benzene	78	4.511	4.511	(0.909)	410359	21.5060	21.50
	38 Trichloroethene	130	5.208	5.205	(1.049)	114849	21.8301	21.83
	39 Bromodichloromethane	83	5.722	5.722	(1.153)	141392	20.9479	20.94
	42 1,2-Dichloropropane	63	5.433	5.433	(1.094)	109602	21.8834	21.88
	44 Dibromomethane	93	5.553	5.550	(1.119)	68936	21.9258	21.92
	45 4-Methyl-2-Pentanone	43	6.325	6.322	(0.825)	208384	48.2316	48.23
	46 cis-1,3-Dichloropropene	75	6.153	6.153	(1.239)	180926	21.7400	21.73
*	47 Chlorobenzene-d5	117	7.667	7.668	(1.000)	668832	50.0000	
$	48 Toluene-d8	98	6.385	6.386	(0.833)	884739	52.3219	52.32
	50 Toluene	91	6.445	6.446	(0.841)	451168	22.9776	22.97
	51 trans-1,3-Dichloropropene	75	6.682	6.678	(1.346)	149400	21.4561	21.45
	52 2-Hexanone	43	7.086	7.087	(0.924)	140791	48.7849	48.78
	53 1,1,2-Trichloroethane	83	6.835	6.839	(0.891)	84565	22.1069	22.10
	54 1,3-Dichloropropane	76	6.981	6.978	(0.911)	176823	22.8617	22.86
	55 Dibromochloromethane	129	7.173	7.173	(0.935)	119444	22.0323	22.03
	56 Tetrachloroethene	164	6.925	6.925	(0.903)	94766	23.4700	23.47
	57 1,2-Dibromoethane	107	7.259	7.259	(0.947)	109878	22.4726	22.47
	58 1-Chlorohexane	55	7.694	7.694	(1.550)	104958	23.2666	23.26
	59 Chlorobenzene	112	7.690	7.690	(1.003)	300011	22.3302	22.33
	60 1,1,1,2-Tetrachloroethane	131	7.772	7.773	(1.014)	109204	21.7982	21.79
	61 Ethylbenzene	106	7.799	7.799	(1.017)	158134	22.8450	22.84
	62 m,p-Xylenes	106	7.900	7.900	(1.030)	404316	47.3646	47.36
	63 o-Xylene	106	8.241	8.241	(1.075)	192160	22.5597	22.55
	64 Styrene	104	8.260	8.256	(1.077)	317660	22.6410	22.64
	66 Bromoform	173	8.410	8.406	(1.097)	82585	21.8511	21.85
	67 Isopropylbenzene	105	8.560	8.560	(1.116)	499426	23.7213	23.72
	68 1,1,2,2-Tetrachloroethane	83	8.837	8.837	(0.915)	144915	22.8955	22.89

$	69	4-Bromofluorobenzene	95	8.687	8.687 (1.133)	322901	49.4435	49.44
*	70	1,4-Dichlorobenzene-d4	152	9.662	9.662 (1.000)	359957	50.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	71 1,2,3-Trichloropropane	75	8.863	8.863	(0.917)	116589	25.6882	25.68
	73 n-Propylbenzene	91	8.908	8.908	(0.922)	596597	25.1867	25.18
	74 Bromobenzene	156	8.803	8.803	(0.911)	134509	22.9270	22.92
	75 1,3,5-Trimethylbenzene	105	9.066	9.066	(0.938)	428189	24.6357	24.63
	76 2-Chlorotoluene	91	8.972	8.972	(0.929)	356849	23.7236	23.72
	77 4-Chlorotoluene	91	9.069	9.066	(0.939)	411492	24.5252	24.52
	78 tert-Butylbenzene	119	9.332	9.332	(0.966)	358477	24.7563	24.75
	79 1,2,4-Trimethylbenzene	105	9.377	9.377	(0.971)	422677	24.1036	24.10
	81 sec-Butylbenzene	105	9.519	9.519	(0.985)	508916	24.9196	24.91
	82 p-Isopropyltoluene	119	9.647	9.647	(0.998)	445404	24.9108	24.91
	83 1,3-Dichlorobenzene	146	9.606	9.602	(0.994)	241215	23.0910	23.09
	84 1,4-Dichlorobenzene	146	9.681	9.681	(1.002)	252499	22.5823	22.58
	87 n-Butylbenzene	91	9.992	9.992	(1.034)	394473	25.9036	25.90
	88 1,2-Dichlorobenzene	146	9.992	9.992	(1.034)	240879	23.2397	23.23
	89 1,2-Dibromo-3-Chloropropane	155	10.655	10.655	(1.103)	23977	23.3524	23.35
	90 1,2,4-Trichlorobenzene	180	11.337	11.334	(1.173)	168901	23.4252	23.42
	91 Hexachlorobutadiene	225	11.476	11.480	(1.188)	78687	24.3125	24.31
	92 Naphthalene	128	11.540	11.540	(1.194)	393455	24.2403	24.24
	93 1,2,3-Trichlorobenzene	180	11.739	11.739	(1.215)	157355	23.7173	23.71
M	94 1,2-Dichloroethylene (total)	96				211771	41.4905	41.49
M	95 Xylenes (total)	106				596476	69.9242	69.92
	141 Cyclohexane	56	4.121	4.121	(0.986)	158016	24.4886	24.48
	138 Freon TF	101	1.917	1.917	(0.459)	89605	25.7019	25.70
	147 Methylcyclohexane	55	5.381	5.377	(1.084)	275566	26.5796	26.57
	146 Methyl Acetate	43	2.236	2.236	(0.535)	64104	21.3955	21.39
	148 Tert-Butyl alcohol	59	2.431	2.431	(0.581)	216226	415.971	415.97
	149 Isopropyl Alcohol	45	2.097	2.093	(0.502)	116513	406.077	406.07

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.



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Column phase: DB624

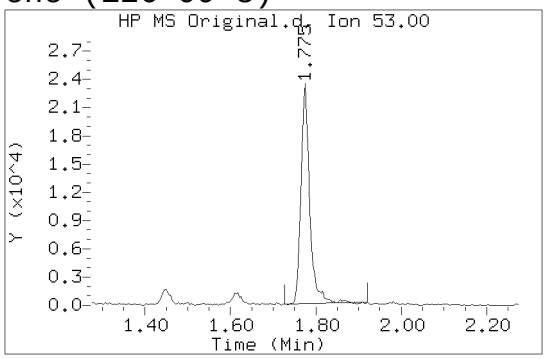
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Operator: PC
Column diameter: 0.18

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InstruID : voa6.i
LabSampID : HS23060722-05MSD

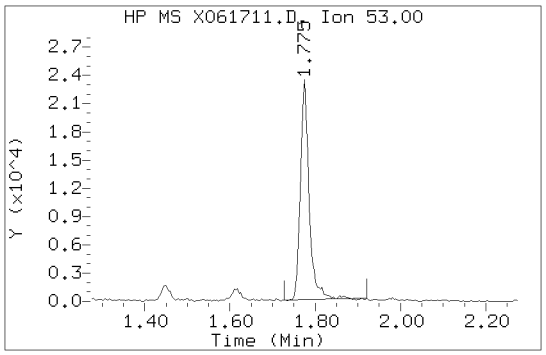
Chloroprene (126-99-8)

Reason Code:

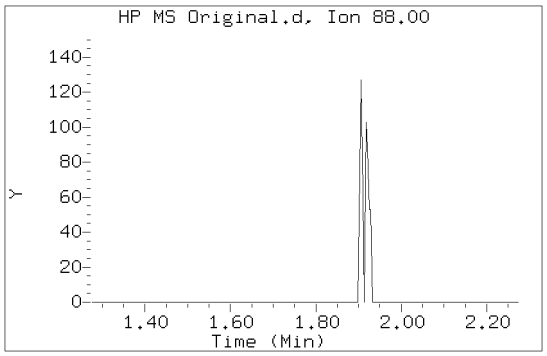
BEFORE
MASS
53
AREA
33827
HEIGHT
23336
19-Jun-2023
12:25



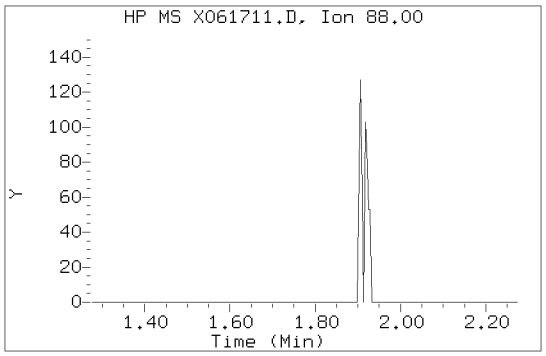
AFTER
MASS
53
AREA
33827
HEIGHT
23336
20-Jun-2023
17:14



BEFORE
MASS
88
AREA
0
HEIGHT
0
19-Jun-2023
12:25



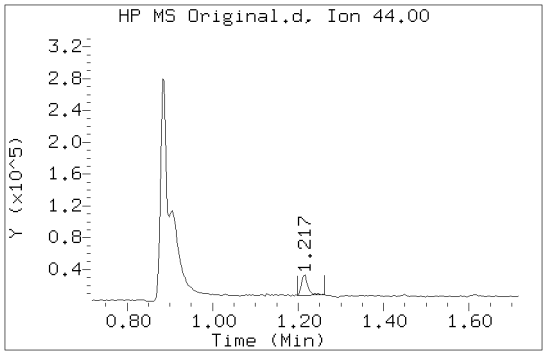
AFTER
MASS
88
AREA
0
HEIGHT
0
20-Jun-2023
17:14



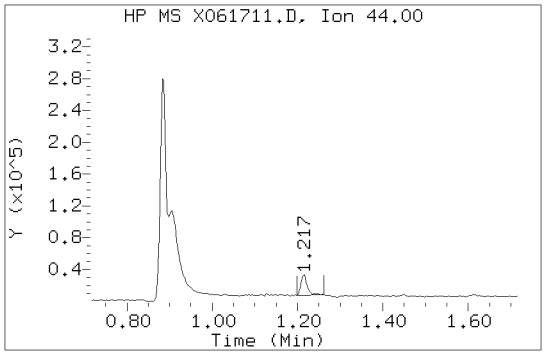
Acetaldehyde (75-07-0)

Reason Code:

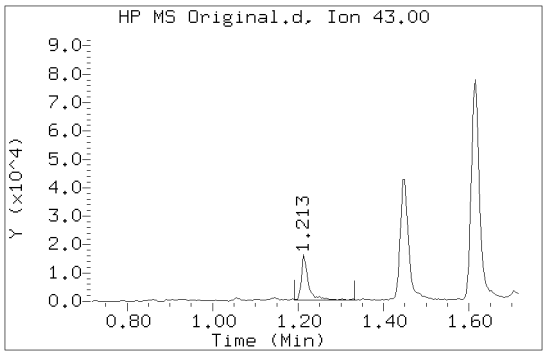
BEFORE
MASS
44
AREA
26771
HEIGHT
25485
19-Jun-2023
12:25



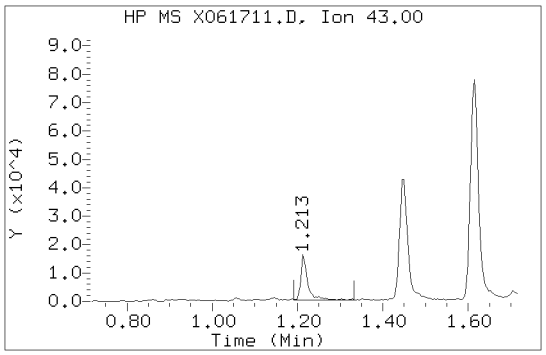
AFTER
MASS
44
AREA
26771
HEIGHT
25485
20-Jun-2023
17:14



BEFORE
MASS
43
AREA
18605
HEIGHT
15982
19-Jun-2023
12:25



AFTER
MASS
43
AREA
18605
HEIGHT
15982
20-Jun-2023
17:14



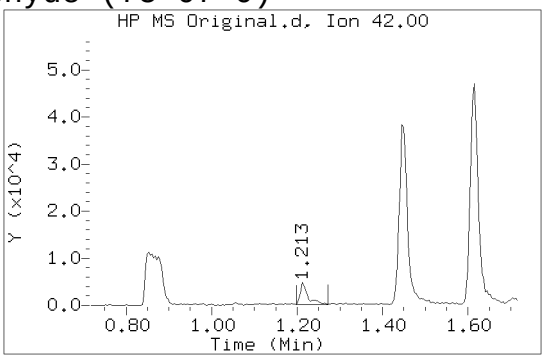
Data File : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061711.D
Inj Date : 17-JUN-2023 14:47
InstruID : voa6.i
LabSampID : HS23060722-05MSD

Acetaldehyde (75-07-0)

Reason Code:

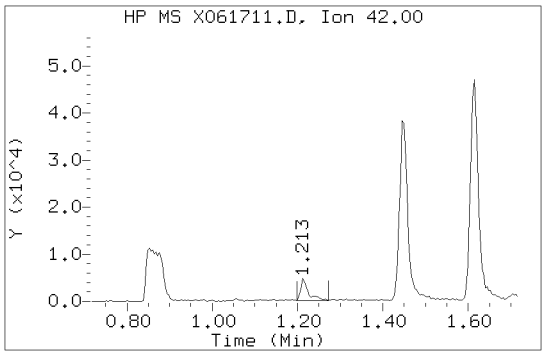
BEFORE

MASS
42
AREA
5896
HEIGHT
4698
19-Jun-2023
12:25



AFTER

MASS
42
AREA
5896
HEIGHT
4698
20-Jun-2023
17:14



Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061714.D Page 1
Report Date: 20-Jun-2023 17:15

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061714.D
Lab Smp Id: HS23060722-01 Client Smp ID: HS23060722-01
Inj Date : 17-JUN-2023 15:50
Operator : PC Inst ID: voa6.i
Smp Info : HS23060722-01;HS23060722-01;;;
Misc Info : V6;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\8260W.m
Meth Date : 20-Jun-2023 17:15 voa6.i Quant Type: ISTD
Cal Date : 15-JUN-2023 13:42 Cal File: X061508.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.181	4.178	(1.000)	508264	50.0000	
$ 30 Dibromofluoromethane	113	4.099	4.099	(0.980)	227116	50.0347	50.03
$ 35 1,2-Dichloroethane-d4	65	4.470	4.470	(1.069)	254897	52.0575	52.05
* 36 1,4-Difluorobenzene	114	4.965	4.965	(1.000)	746209	50.0000	
* 47 Chlorobenzene-d5	117	7.667	7.668	(1.000)	658282	50.0000	
$ 48 Toluene-d8	98	6.385	6.386	(0.833)	881985	52.9949	52.99
$ 69 4-Bromofluorobenzene	95	8.691	8.687	(1.133)	315436	49.0705	49.07
* 70 1,4-Dichlorobenzene-d4	152	9.662	9.662	(1.000)	332308	50.0000	

01225942

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061714.D

Date : 17-JUN-2023 15:50

Client ID: HS23060722-01

Instrument: voa6.i

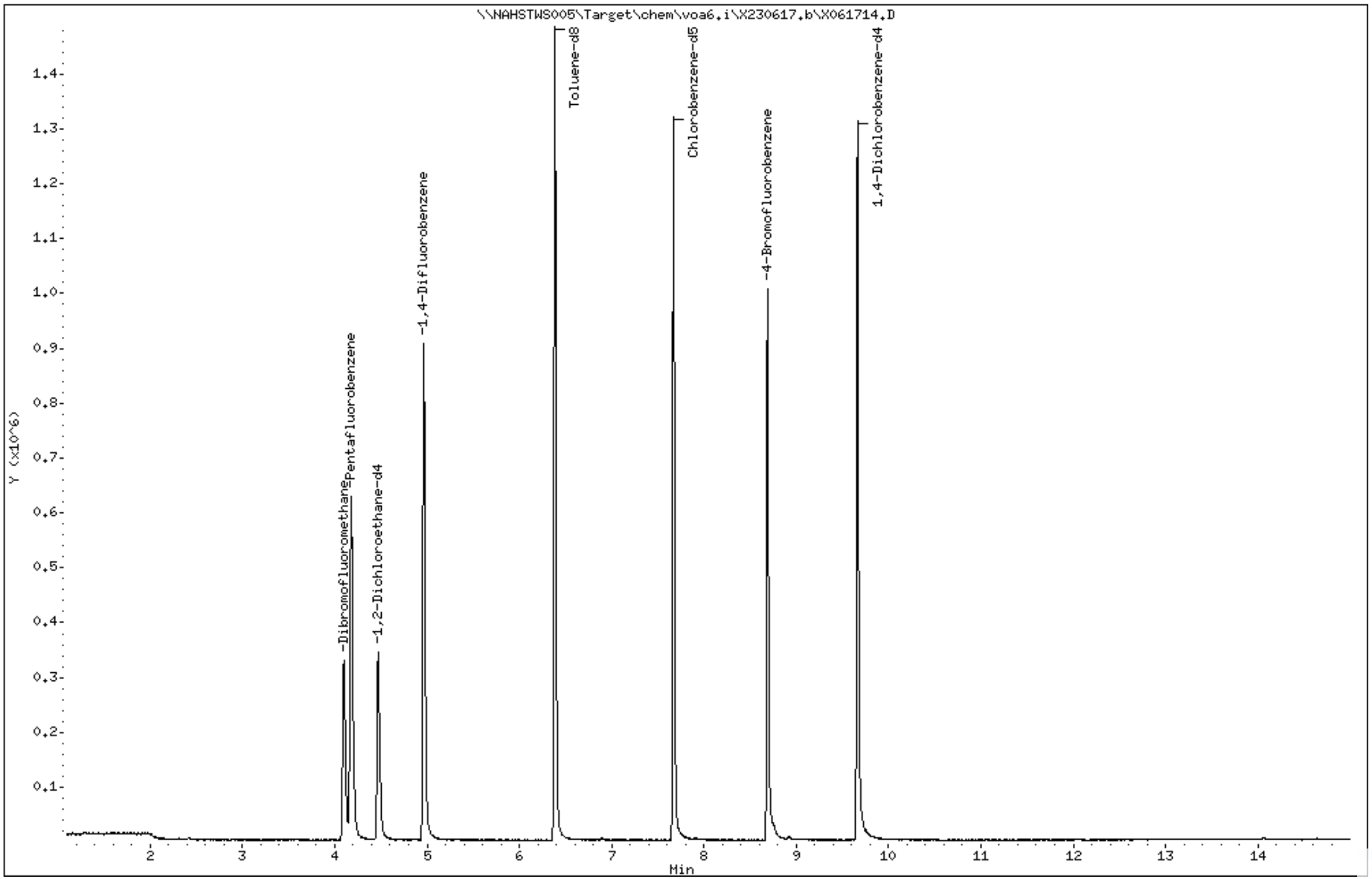
Sample Info: HS23060722-01;HS23060722-01;;;

Purge Volume: 5.0

Operator: PC

Column phase: DB624

Column diameter: 0.18



Data File : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061714.D
Inj Date : 17-JUN-2023 15:50
InstruID : voa6.i
LabSampID : HS23060722-01

NO MANUAL INTEGRATIONS

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061715.D Page 1
Report Date: 20-Jun-2023 17:15

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061715.D
Lab Smp Id: HS23060722-02 Client Smp ID: HS23060722-02
Inj Date : 17-JUN-2023 16:11
Operator : PC Inst ID: voa6.i
Smp Info : HS23060722-02;HS23060722-02;;;
Misc Info : V6;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\8260W.m
Meth Date : 20-Jun-2023 17:15 voa6.i Quant Type: ISTD
Cal Date : 15-JUN-2023 13:42 Cal File: X061508.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.181	4.178	(1.000)	489510	50.0000	
$ 30 Dibromofluoromethane	113	4.099	4.099	(0.980)	218817	50.0534	50.05
$ 35 1,2-Dichloroethane-d4	65	4.470	4.470	(1.069)	248471	52.6997	52.69
* 36 1,4-Difluorobenzene	114	4.965	4.965	(1.000)	710307	50.0000	
* 47 Chlorobenzene-d5	117	7.668	7.668	(1.000)	621821	50.0000	
$ 48 Toluene-d8	98	6.385	6.386	(0.833)	839264	53.3849	53.38
$ 69 4-Bromofluorobenzene	95	8.687	8.687	(1.133)	293590	48.3422	48.34
* 70 1,4-Dichlorobenzene-d4	152	9.662	9.662	(1.000)	315024	50.0000	

01225945

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061715.D

Date : 17-JUN-2023 16:11

Client ID: HS23060722-02

Instrument: voa6.i

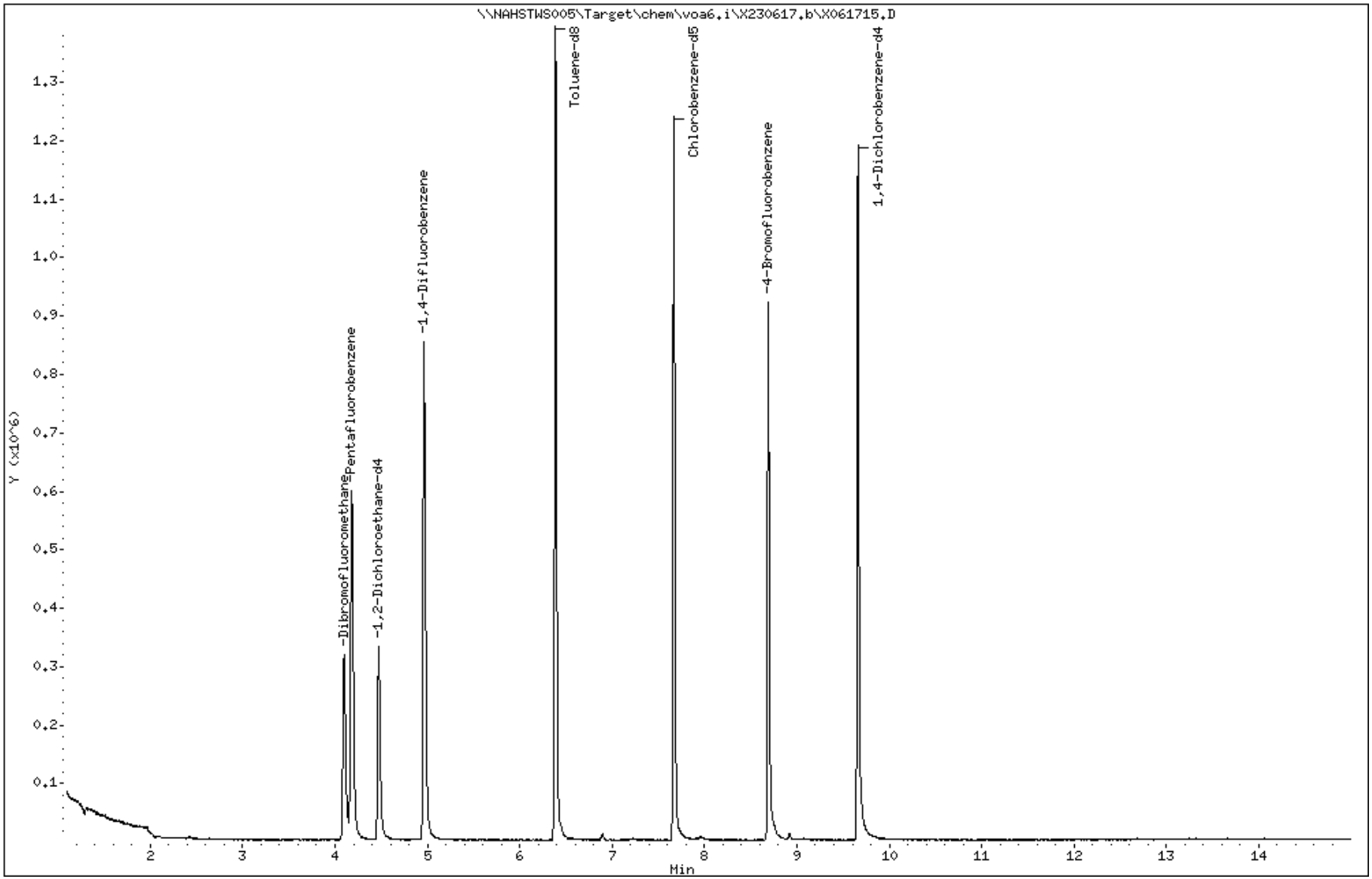
Sample Info: HS23060722-02;HS23060722-02;;;

Purge Volume: 5.0

Operator: PC

Column phase: DB624

Column diameter: 0.18



Data File : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061715.D
Inj Date : 17-JUN-2023 16:11
InstruID : voa6.i
LabSampID : HS23060722-02

NO MANUAL INTEGRATIONS

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061716.D Page 1
Report Date: 20-Jun-2023 17:15

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061716.D
Lab Smp Id: HS23060722-03 Client Smp ID: HS23060722-03
Inj Date : 17-JUN-2023 16:32
Operator : PC Inst ID: voa6.i
Smp Info : HS23060722-03;HS23060722-03;;;
Misc Info : V6;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\8260W.m
Meth Date : 20-Jun-2023 17:15 voa6.i Quant Type: ISTD
Cal Date : 15-JUN-2023 13:42 Cal File: X061508.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.178	4.178	(1.000)	483893	50.0000	
$ 30 Dibromofluoromethane	113	4.099	4.099	(0.981)	217439	50.3174	50.31
$ 35 1,2-Dichloroethane-d4	65	4.474	4.470	(1.071)	247103	53.0231	53.02
* 36 1,4-Difluorobenzene	114	4.965	4.965	(1.000)	710458	50.0000	
* 47 Chlorobenzene-d5	117	7.668	7.668	(1.000)	625935	50.0000	
$ 48 Toluene-d8	98	6.385	6.386	(0.833)	842867	53.2617	53.26
$ 69 4-Bromofluorobenzene	95	8.687	8.687	(1.133)	297338	48.6408	48.64
* 70 1,4-Dichlorobenzene-d4	152	9.662	9.662	(1.000)	309104	50.0000	

01225948

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061716.D

Page 1

Date : 17-JUN-2023 16:32

Client ID: HS23060722-03

Instrument: voa6.i

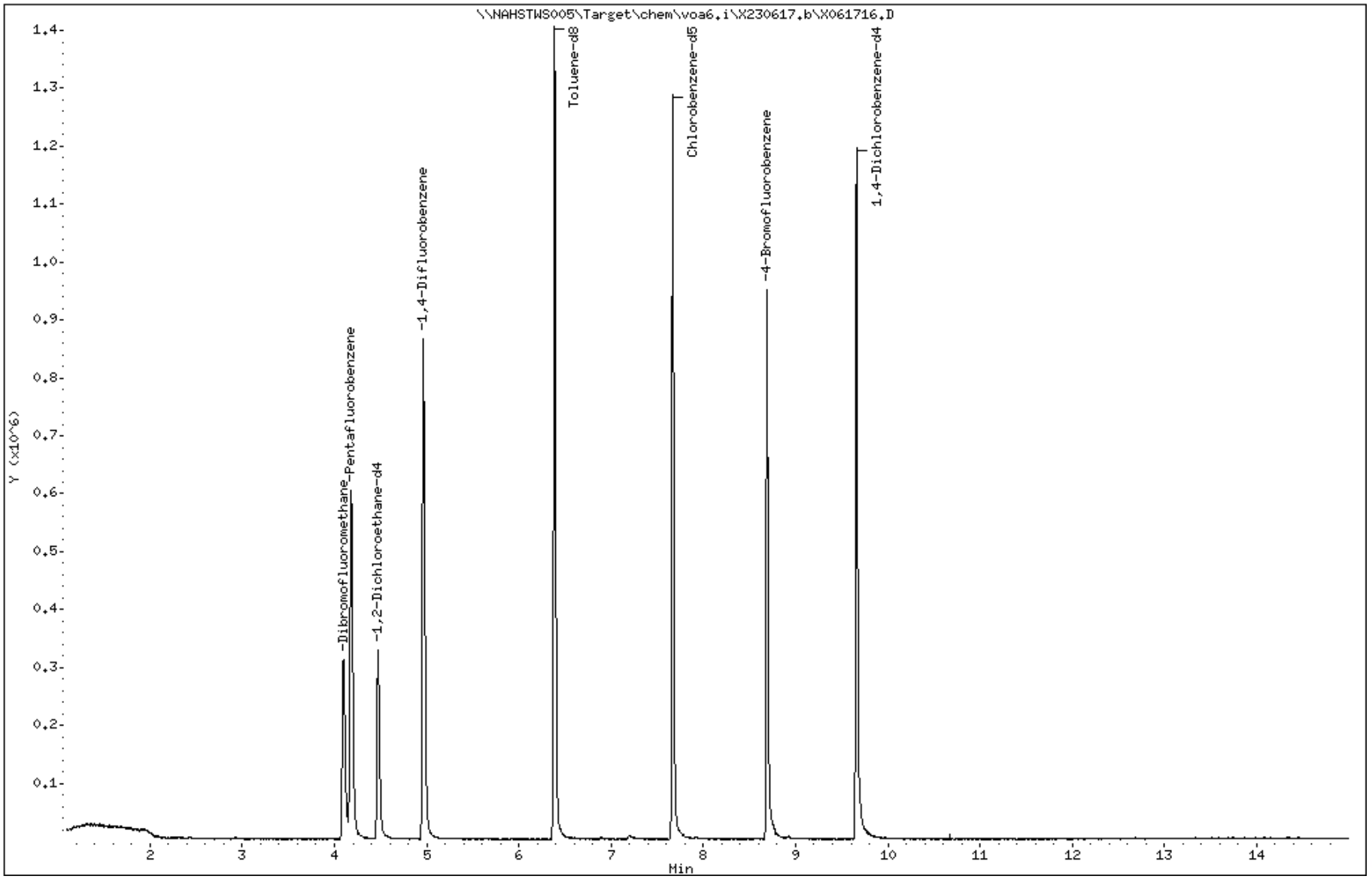
Sample Info: HS23060722-03;HS23060722-03;;;

Purge Volume: 5.0

Operator: PC

Column phase: DB624

Column diameter: 0.18



Data File : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061716.D
Inj Date : 17-JUN-2023 16:32
InstruID : voa6.i
LabSampID : HS23060722-03

NO MANUAL INTEGRATIONS

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061717.D Page 1
Report Date: 20-Jun-2023 17:15

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061717.D
Lab Smp Id: HS23060722-04 Client Smp ID: HS23060722-04
Inj Date : 17-JUN-2023 16:53
Operator : PC Inst ID: voa6.i
Smp Info : HS23060722-04;HS23060722-04;;;
Misc Info : V6;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\8260W.m
Meth Date : 20-Jun-2023 17:15 voa6.i Quant Type: ISTD
Cal Date : 15-JUN-2023 13:42 Cal File: X061508.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.181	4.178	(1.000)	479689	50.0000	
$ 30 Dibromofluoromethane	113	4.099	4.099	(0.980)	219495	51.2447	51.24
$ 35 1,2-Dichloroethane-d4	65	4.470	4.470	(1.069)	249671	54.0602	54.06
* 36 1,4-Difluorobenzene	114	4.965	4.965	(1.000)	711016	50.0000	
* 47 Chlorobenzene-d5	117	7.668	7.668	(1.000)	625329	50.0000	
$ 48 Toluene-d8	98	6.386	6.386	(0.833)	842689	53.3020	53.30
$ 69 4-Bromofluorobenzene	95	8.691	8.687	(1.133)	294422	48.2057	48.20
* 70 1,4-Dichlorobenzene-d4	152	9.662	9.662	(1.000)	308530	50.0000	

01225951

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061717.D

Page 1

Date : 17-JUN-2023 16:53

Client ID: HS23060722-04

Instrument: voa6.i

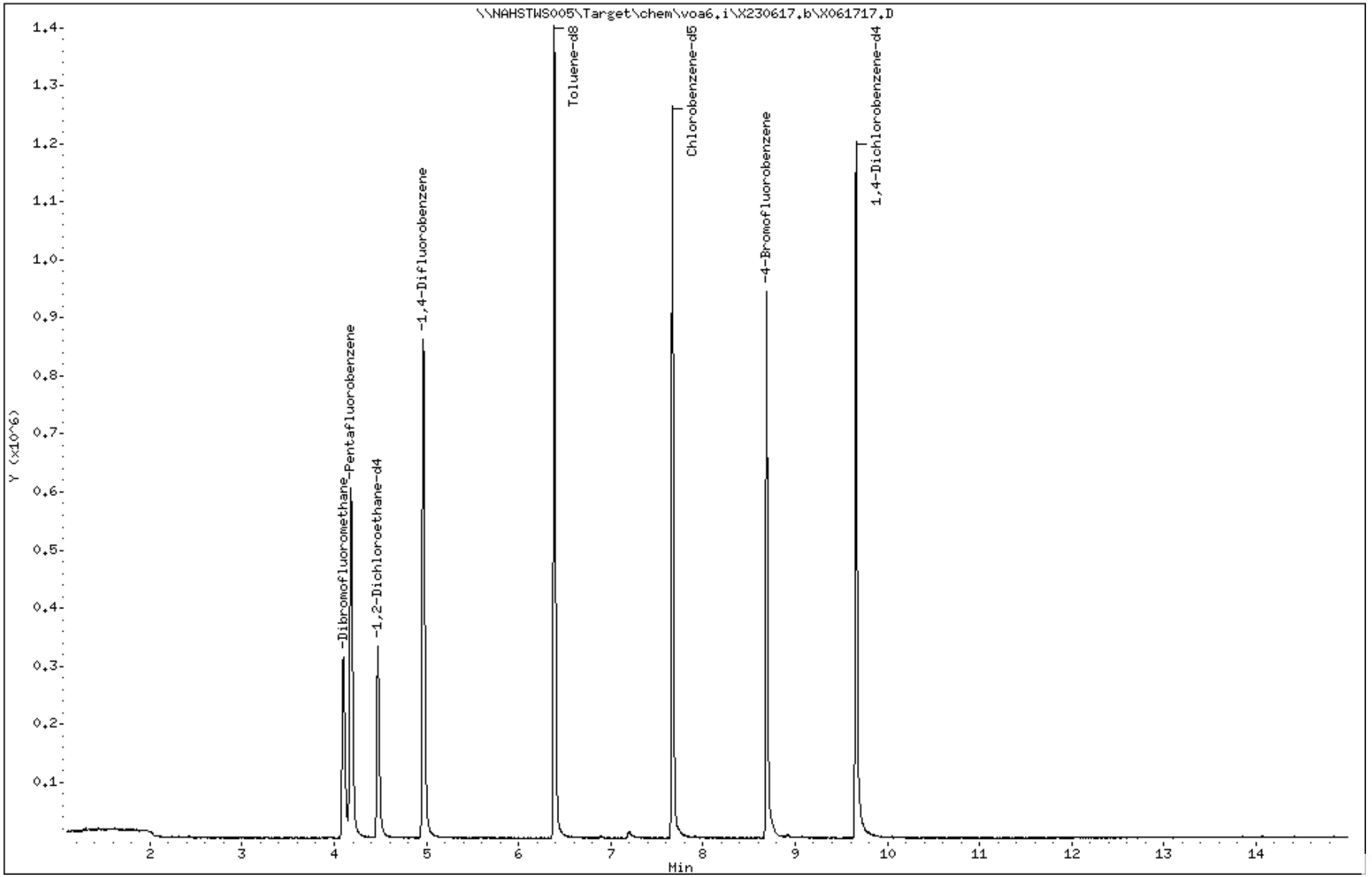
Sample Info: HS23060722-04;HS23060722-04;;;

Purge Volume: 5.0

Operator: PC

Column phase: DB624

Column diameter: 0.18



Data File : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061717.D
Inj Date : 17-JUN-2023 16:53
InstruID : voa6.i
LabSampID : HS23060722-04

NO MANUAL INTEGRATIONS

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061718.D Page 1
Report Date: 20-Jun-2023 17:15

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061718.D
Lab Smp Id: HS23060722-06 Client Smp ID: HS23060722-06
Inj Date : 17-JUN-2023 17:14
Operator : PC Inst ID: voa6.i
Smp Info : HS23060722-06;HS23060722-06;;;
Misc Info : V6;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\8260W.m
Meth Date : 20-Jun-2023 17:15 voa6.i Quant Type: ISTD
Cal Date : 15-JUN-2023 13:42 Cal File: X061508.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
*	1 Pentafluorobenzene	168	4.181	4.178	(1.000)	499600	50.0000	
	5 Vinyl Chloride	62	1.149	1.145	(0.275)	34748	6.62261	6.62
	11 1,1-Dichloroethene	96	1.917	1.917	(0.459)	81056	20.7231	20.72
	20 trans-1,2-Dichloroethene	96	2.536	2.528	(0.606)	10499	2.24322	2.24(a)
	22 1,1-Dichloroethane	63	2.929	2.922	(0.701)	69185	8.20560	8.20
	27 cis-1,2-Dichloroethene	96	3.525	3.525	(0.843)	639774	118.537	118.53
$	30 Dibromofluoromethane	113	4.099	4.099	(0.980)	222793	49.9328	49.93
$	35 1,2-Dichloroethane-d4	65	4.470	4.470	(1.069)	251736	52.3076	52.30
*	36 1,4-Difluorobenzene	114	4.965	4.965	(1.000)	720940	50.0000	
	38 Trichloroethene	130	5.208	5.205	(1.049)	106371	20.8037	20.80
*	47 Chlorobenzene-d5	117	7.668	7.668	(1.000)	637557	50.0000	
$	48 Toluene-d8	98	6.386	6.386	(0.833)	857721	53.2123	53.21
	56 Tetrachloroethene	164	6.929	6.925	(0.904)	11916	3.09592	3.09(a)
$	69 4-Bromofluorobenzene	95	8.687	8.687	(1.133)	302490	48.5809	48.58
*	70 1,4-Dichlorobenzene-d4	152	9.662	9.662	(1.000)	308584	50.0000	
M	94 1,2-Dichloroethylene (total)	96				650273	120.780	120.78

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

01225955

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061718.D

Page 1

Date : 17-JUN-2023 17:14

Client ID: HS23060722-06

Instrument: voa6.i

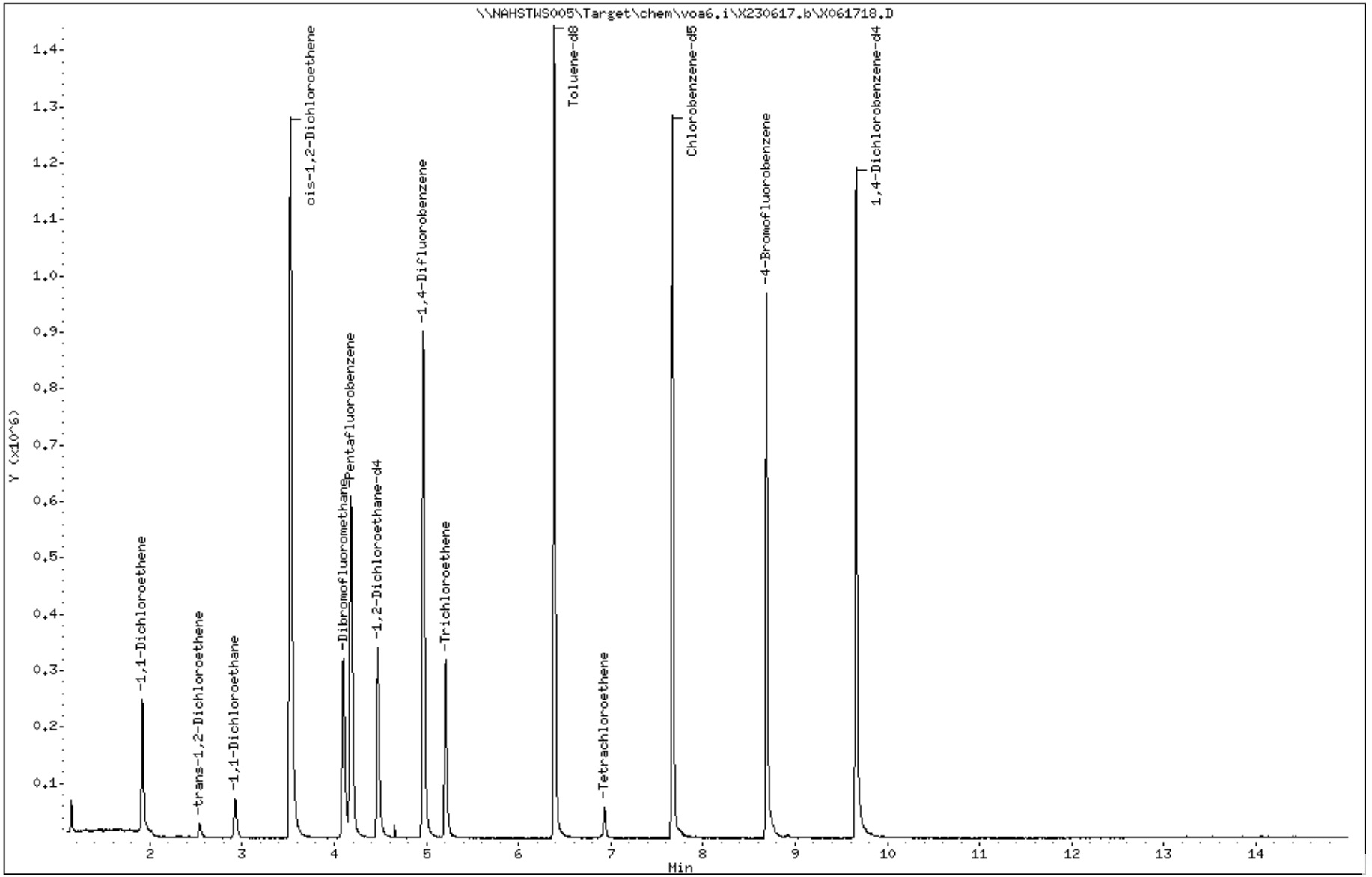
Sample Info: HS23060722-06;HS23060722-06;;;

Purge Volume: 5.0

Operator: PC

Column phase: DB624

Column diameter: 0.18



Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061718.D

Date : 17-JUN-2023 17:14

Client ID: HS23060722-06

Instrument: voa6.i

Sample Info: HS23060722-06;HS23060722-06;;;

Purge Volume: 5.0

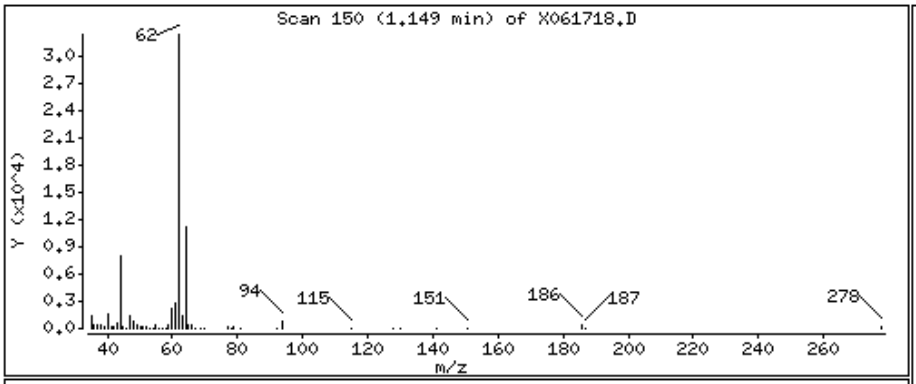
Operator: PC

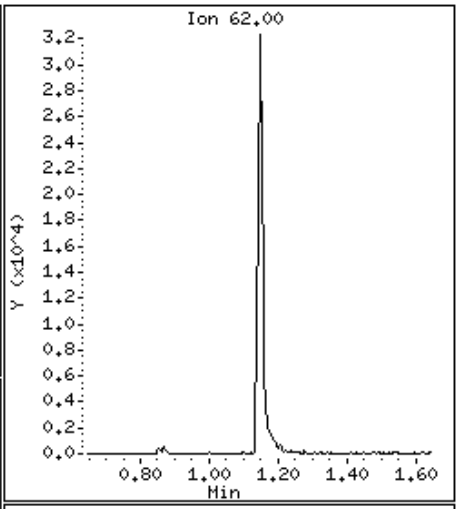
Column phase: DB624

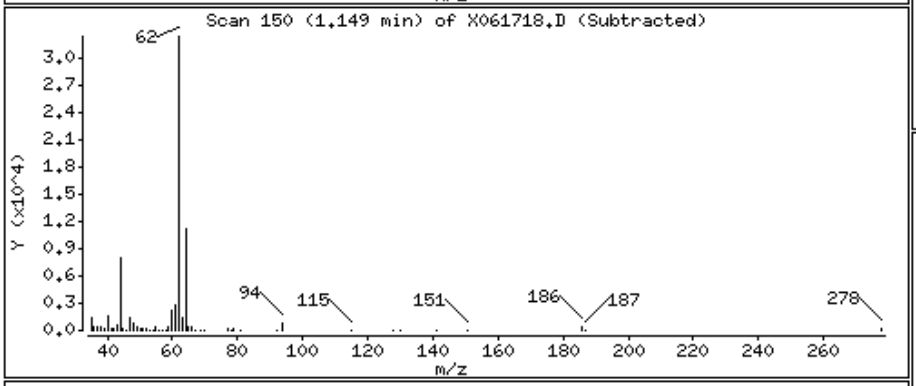
Column diameter: 0.18

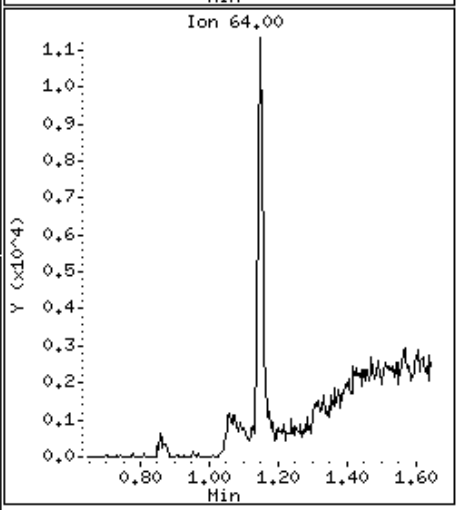
5 Vinyl Chloride

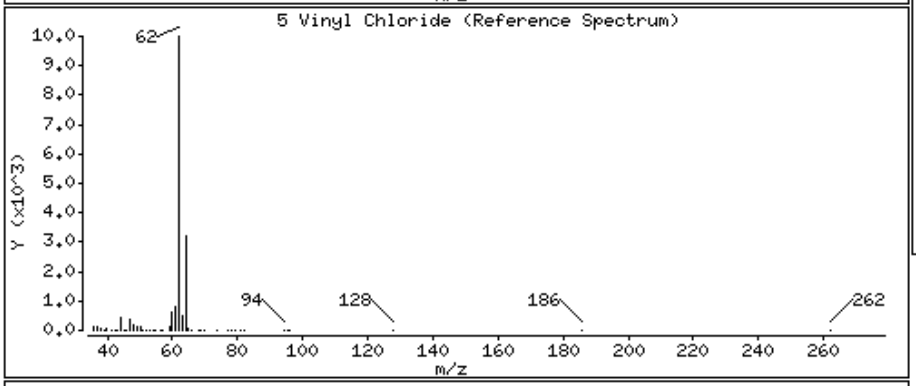
Concentration: 6.62 ug/l

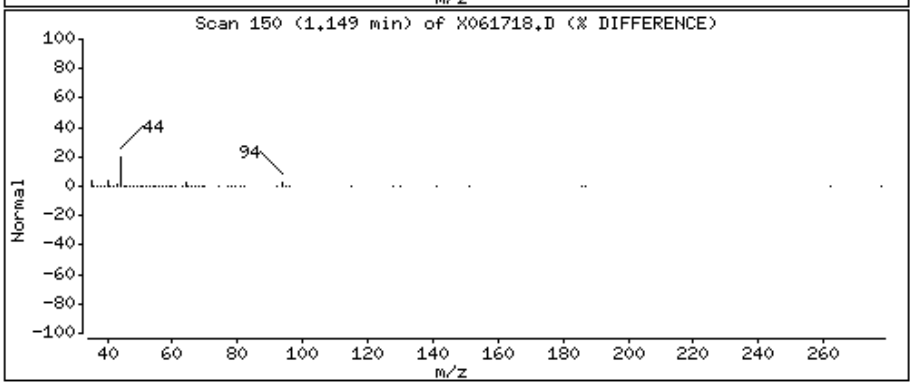












Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061718.D

Date : 17-JUN-2023 17:14

Client ID: HS23060722-06

Instrument: voa6.i

Sample Info: HS23060722-06;HS23060722-06;;;

Purge Volume: 5.0

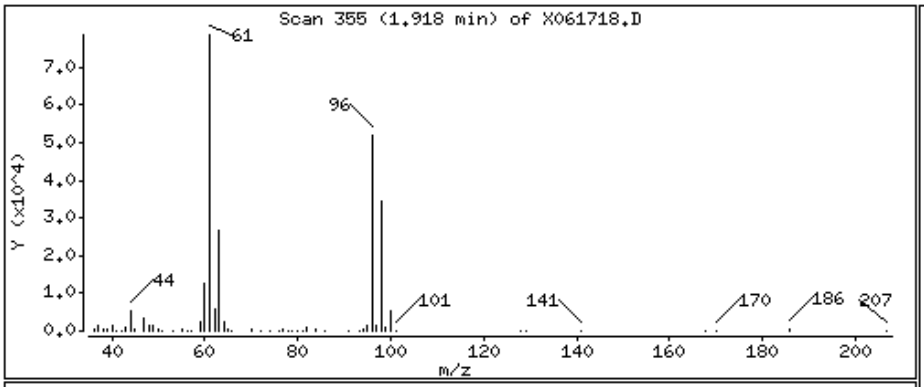
Operator: PC

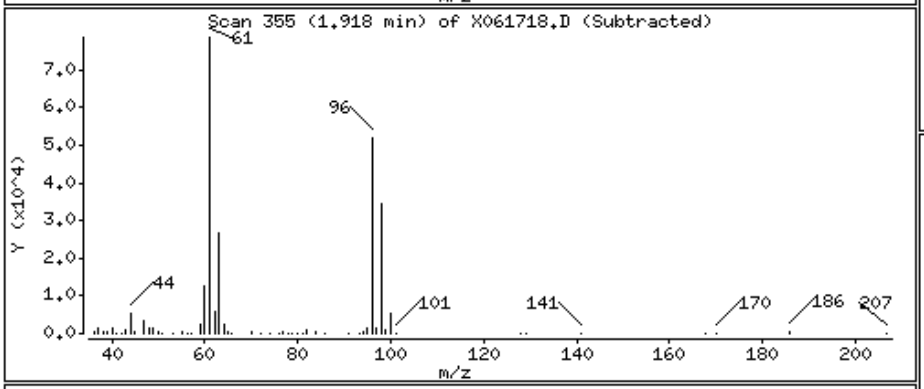
Column phase: DB624

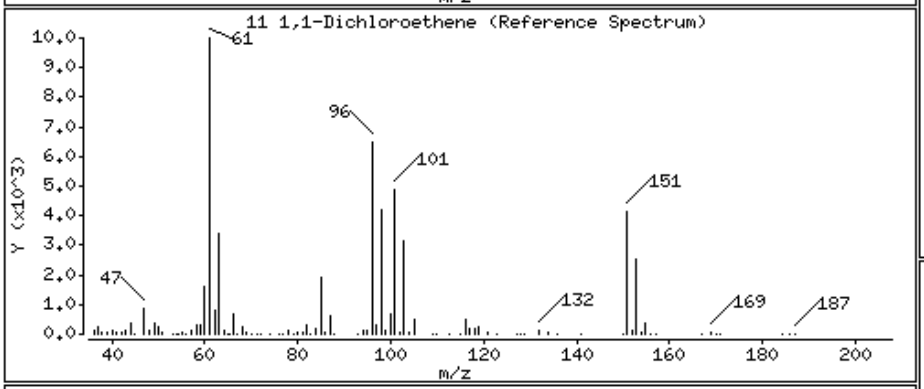
Column diameter: 0.18

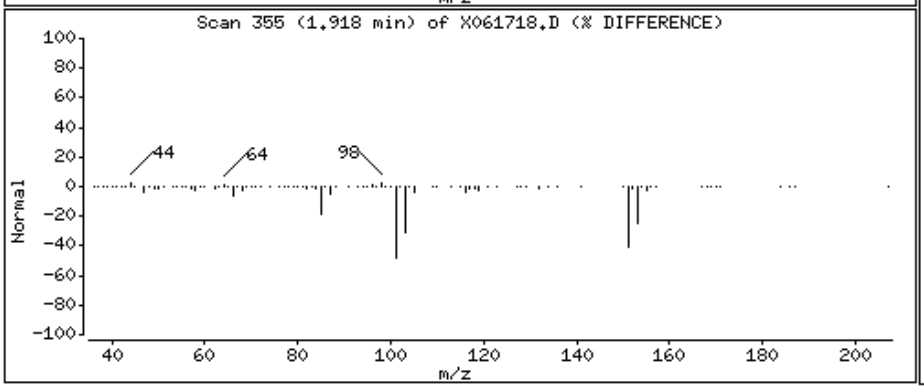
11 1,1-Dichloroethene

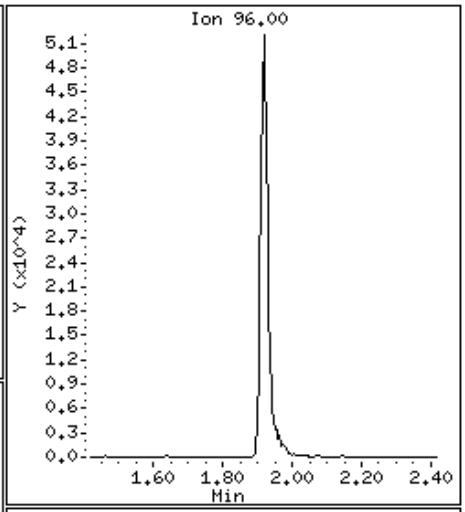
Concentration: 20.72 ug/l

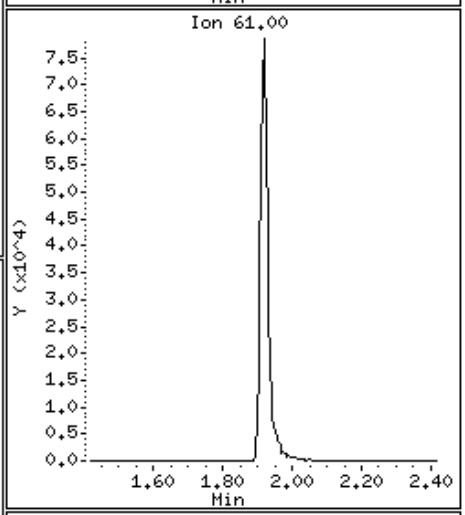


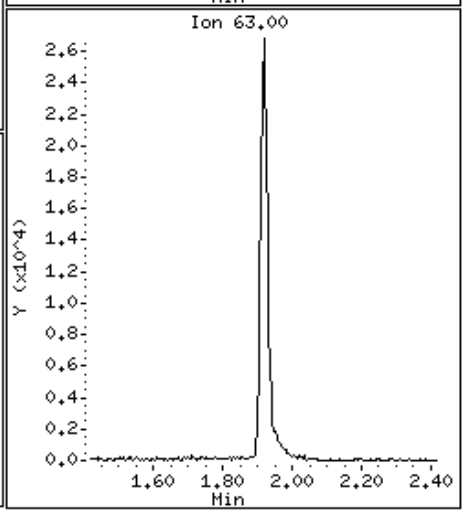












Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061718.D Page 4

Date : 17-JUN-2023 17:14

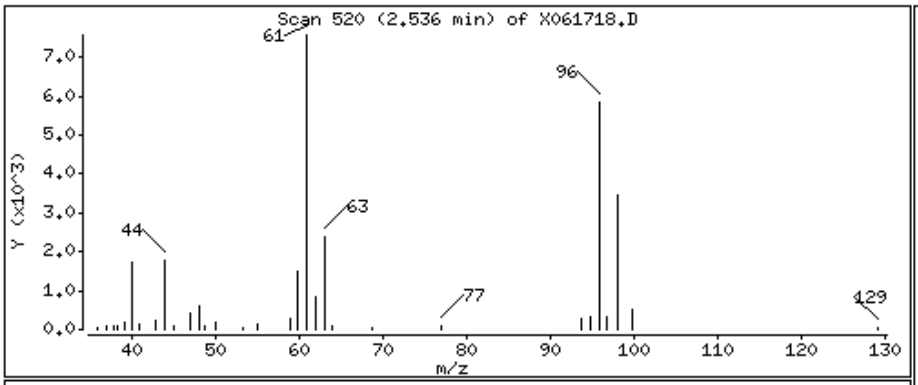
Client ID: HS23060722-06 Instrument: voa6.i

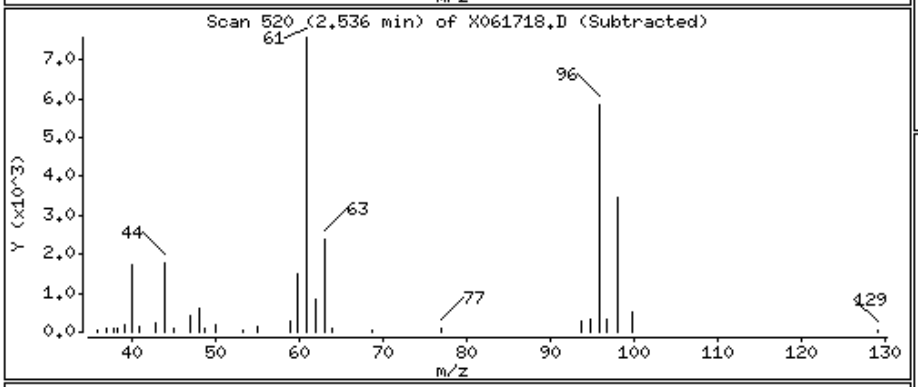
Sample Info: HS23060722-06;HS23060722-06;;;

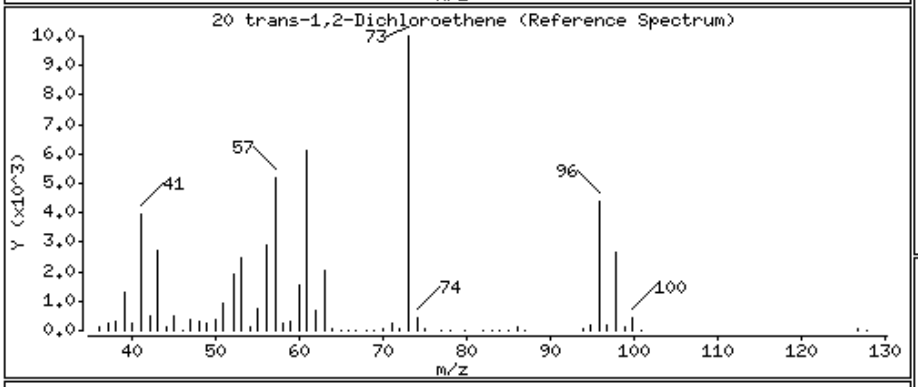
Purge Volume: 5.0 Operator: PC

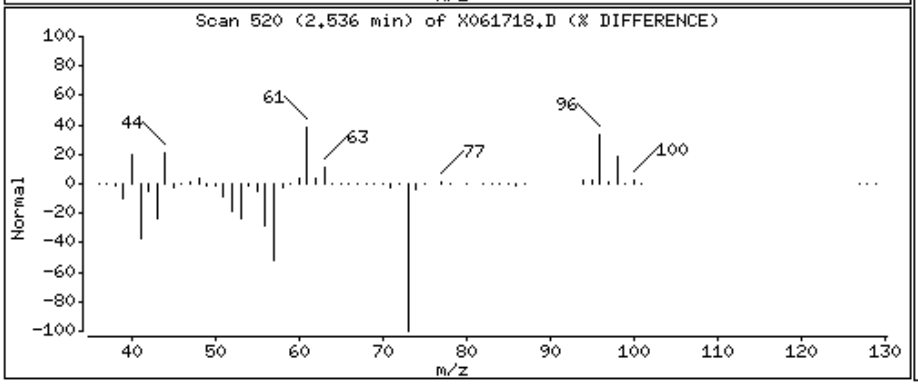
Column phase: DB624 Column diameter: 0.18

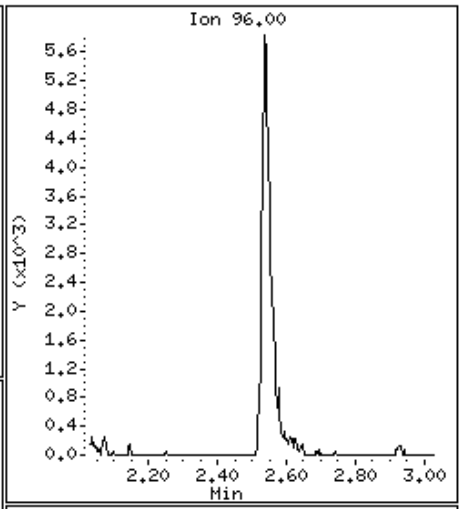
20 trans-1,2-Dichloroethene Concentration: 2.24 ug/l

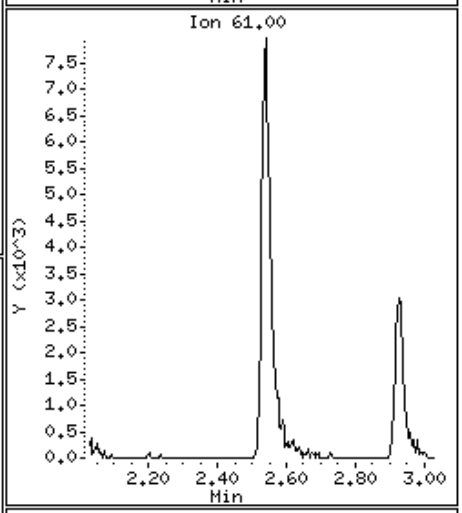


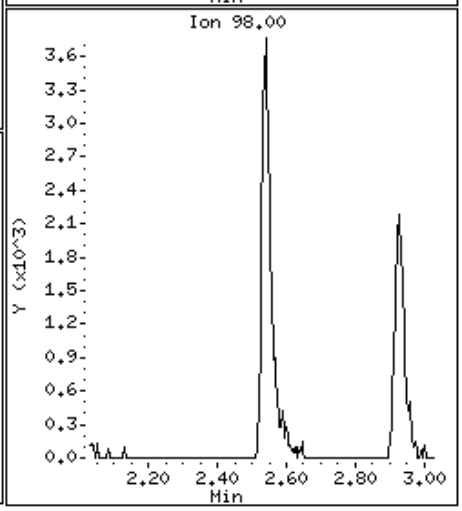












Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061718.D Page 5

Date : 17-JUN-2023 17:14

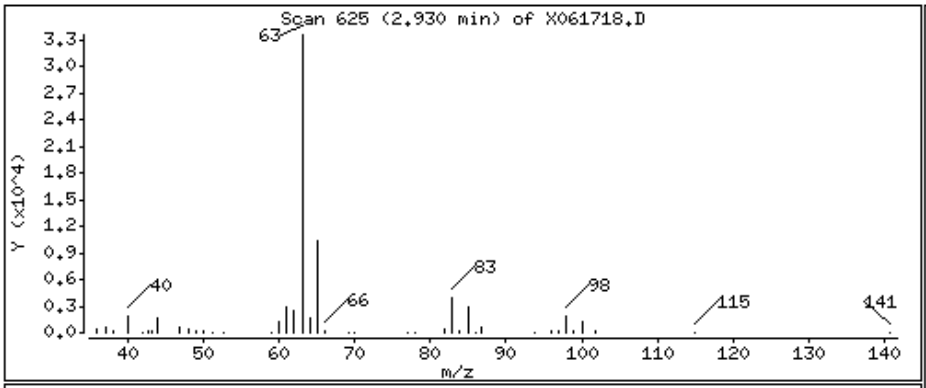
Client ID: HS23060722-06 Instrument: voa6.i

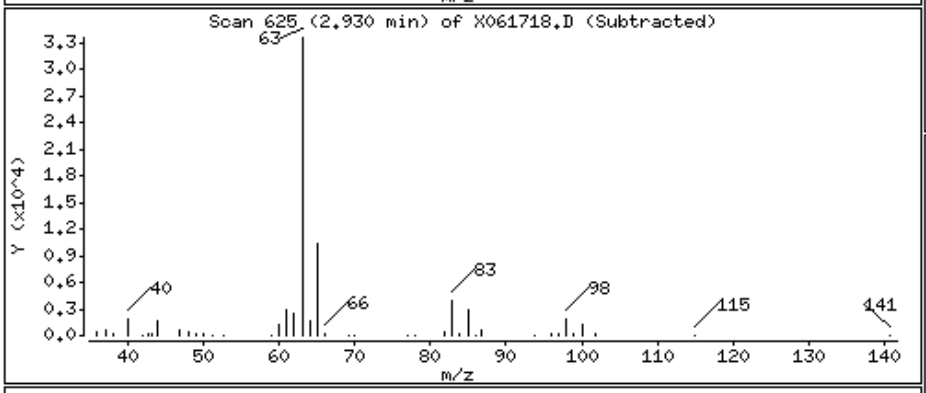
Sample Info: HS23060722-06;HS23060722-06;;;

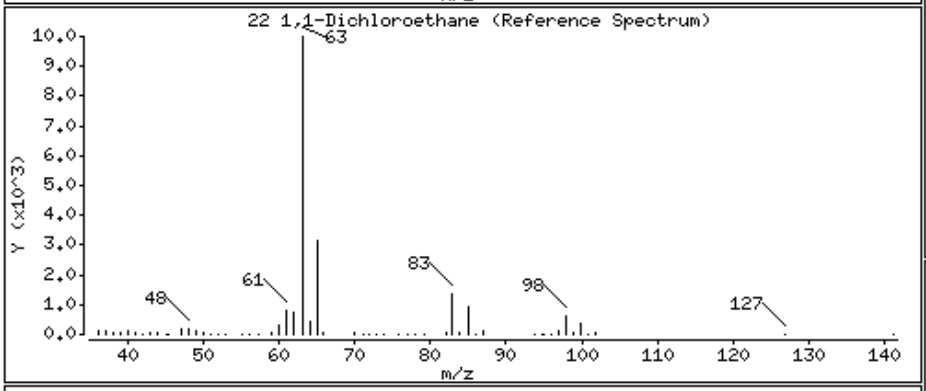
Purge Volume: 5.0 Operator: PC

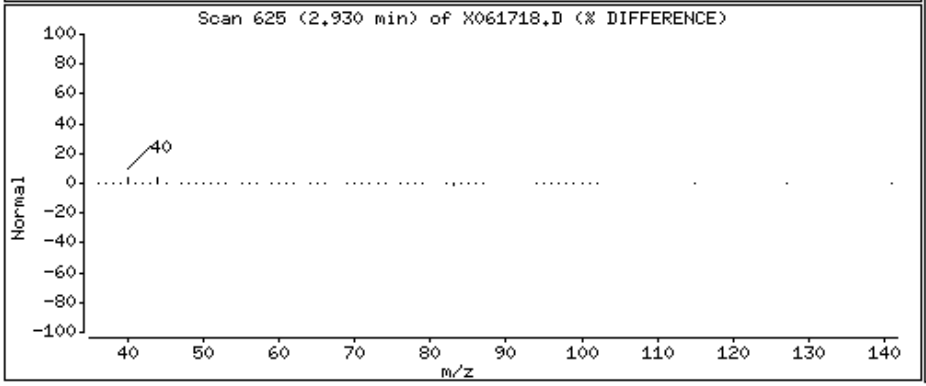
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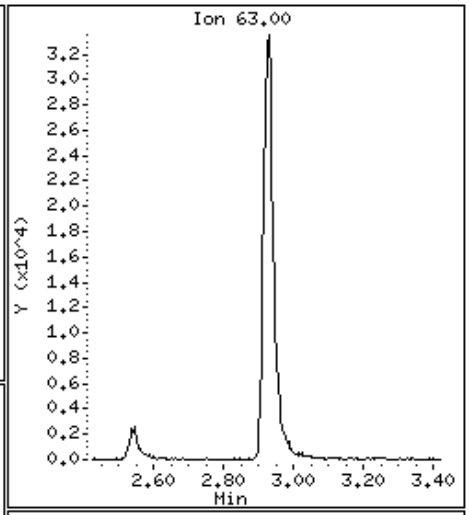
22 1,1-Dichloroethane Concentration: 8.20 ug/l

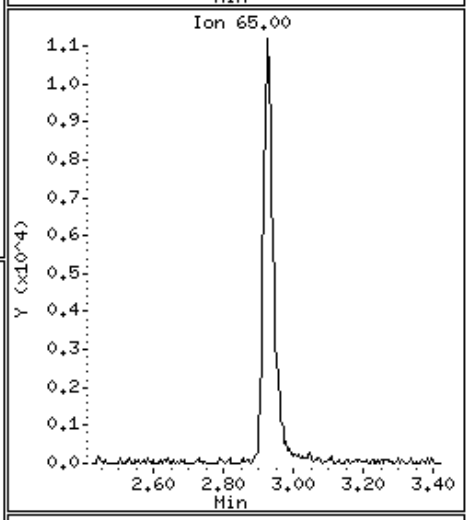


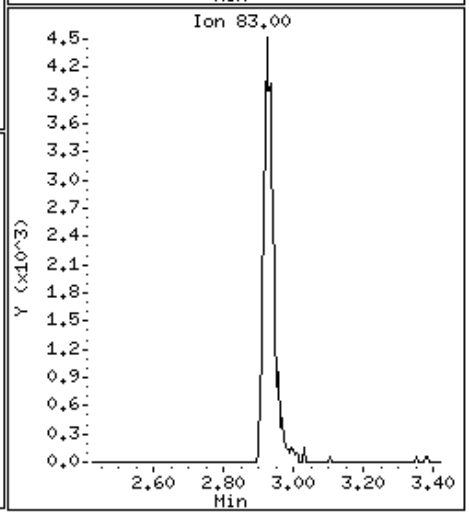












Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061718.D Page 6

Date : 17-JUN-2023 17:14

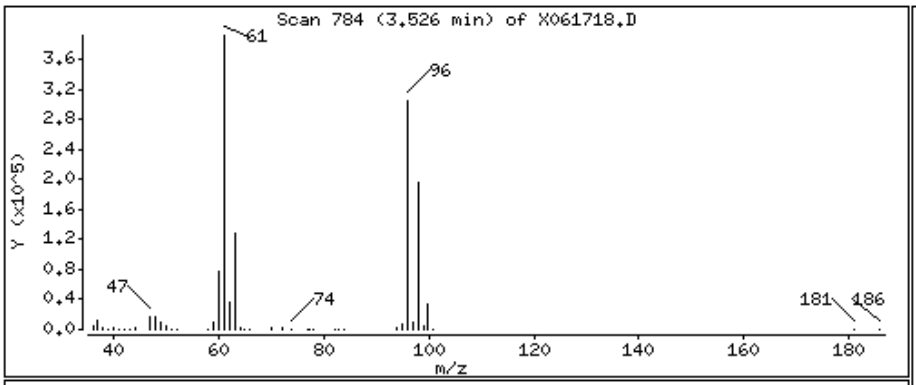
Client ID: HS23060722-06 Instrument: voa6.i

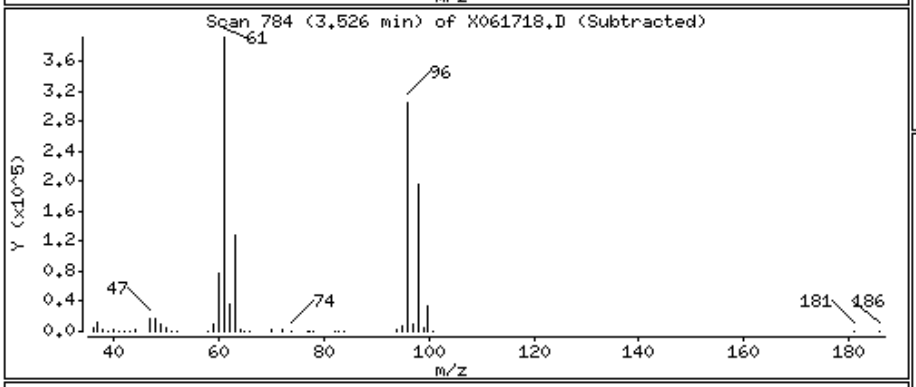
Sample Info: HS23060722-06;HS23060722-06;;;

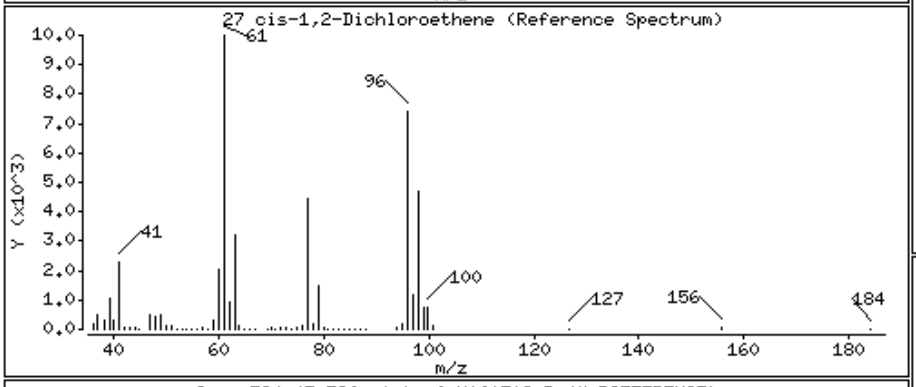
Purge Volume: 5.0 Operator: PC

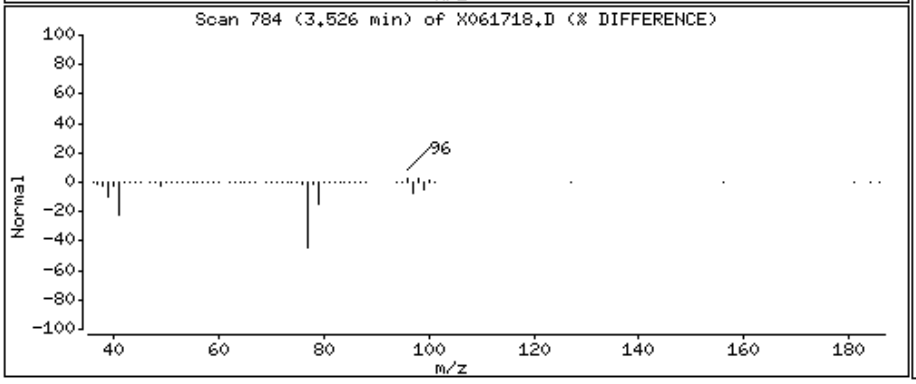
Column phase: DB624 Column diameter: 0.18

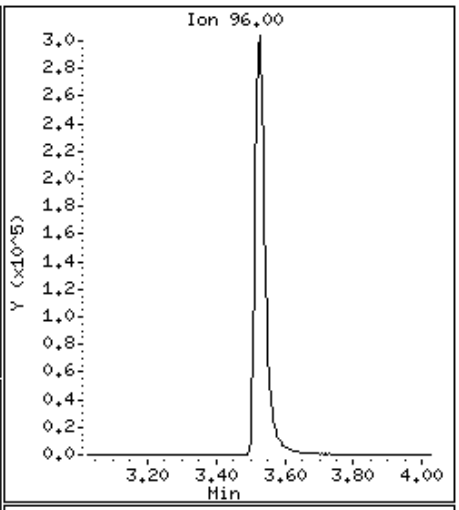
27 cis-1,2-Dichloroethene Concentration: 118.53 ug/l

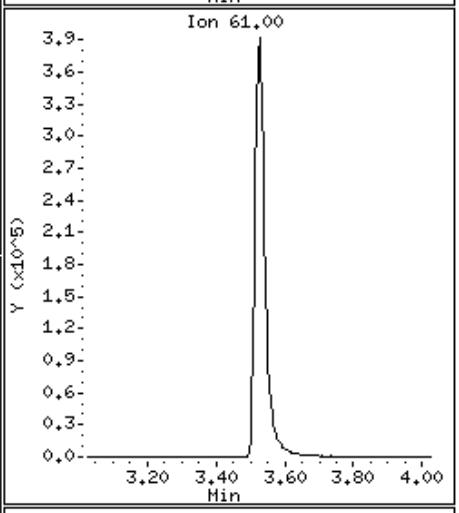


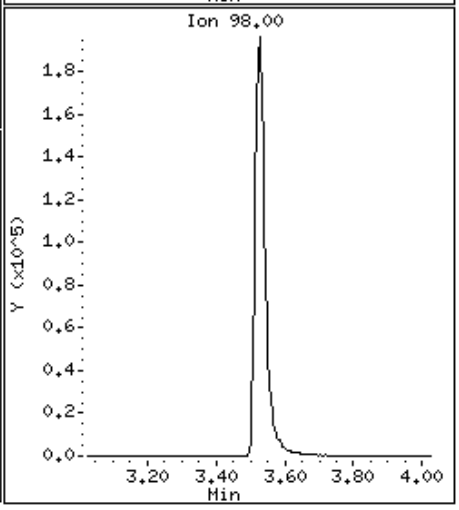












Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061718.D Page 7

Date : 17-JUN-2023 17:14

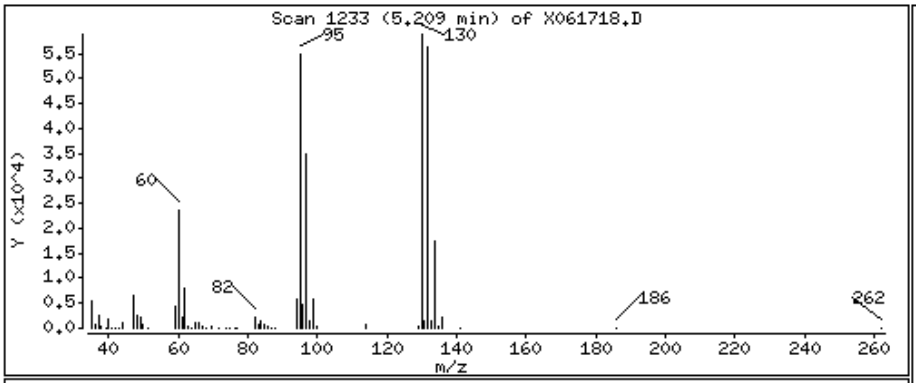
Client ID: HS23060722-06 Instrument: voa6.i

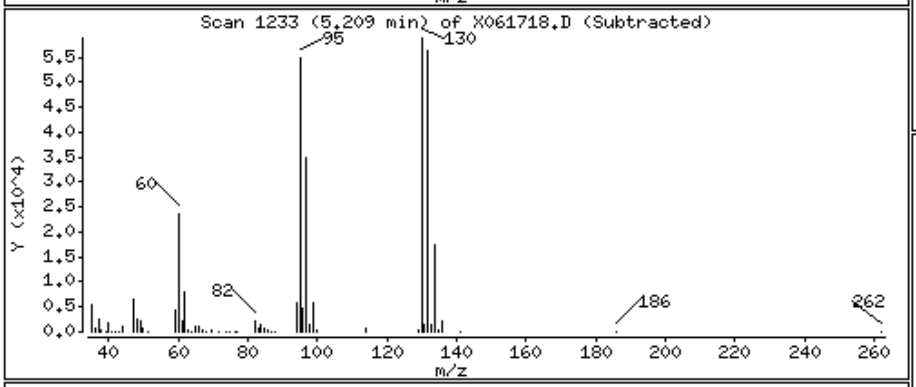
Sample Info: HS23060722-06;HS23060722-06;;;

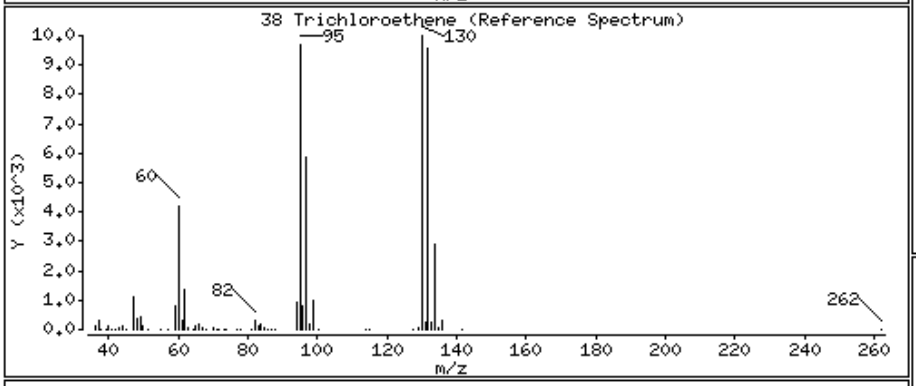
Purge Volume: 5.0 Operator: PC

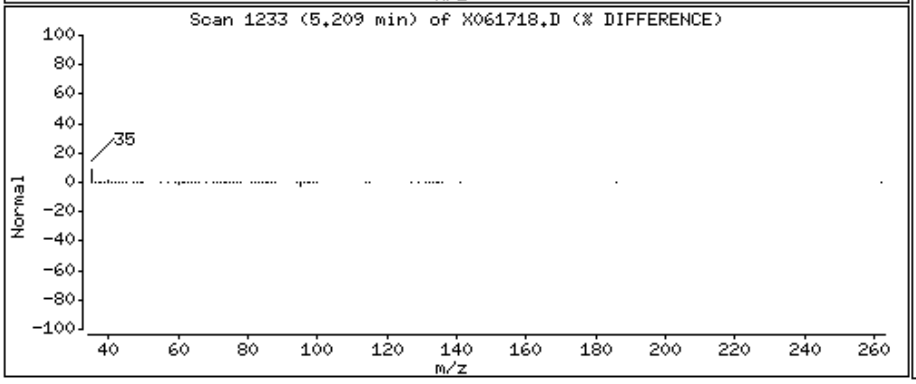
Column phase: DB624 Column diameter: 0.18

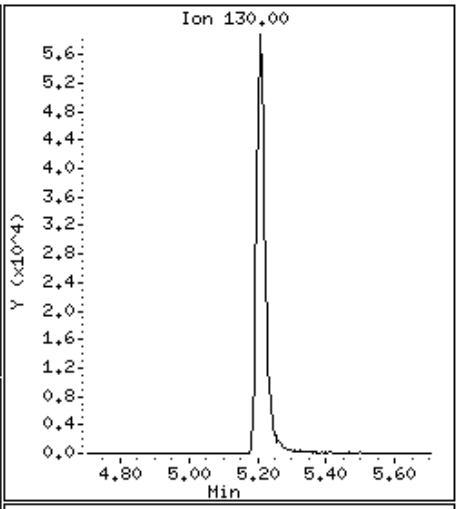
38 Trichloroethene Concentration: 20.80 ug/l

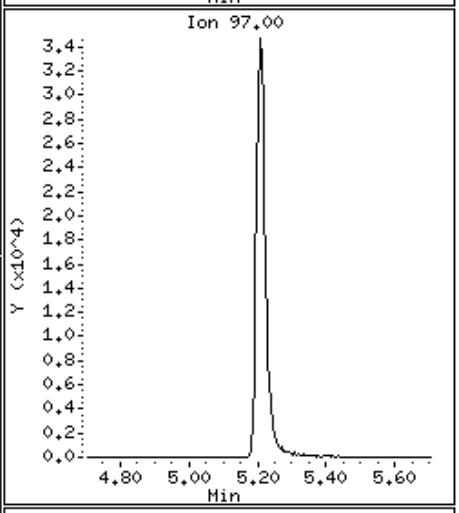


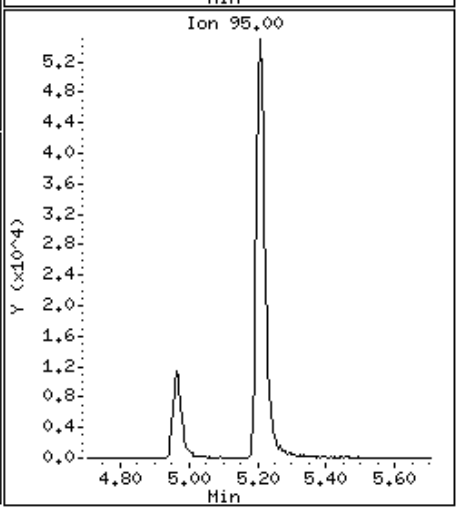












Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061718.D Page 8

Date : 17-JUN-2023 17:14

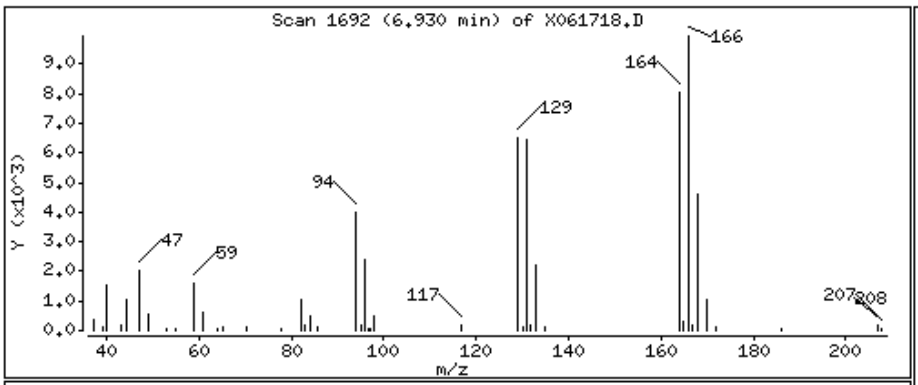
Client ID: HS23060722-06 Instrument: voa6.i

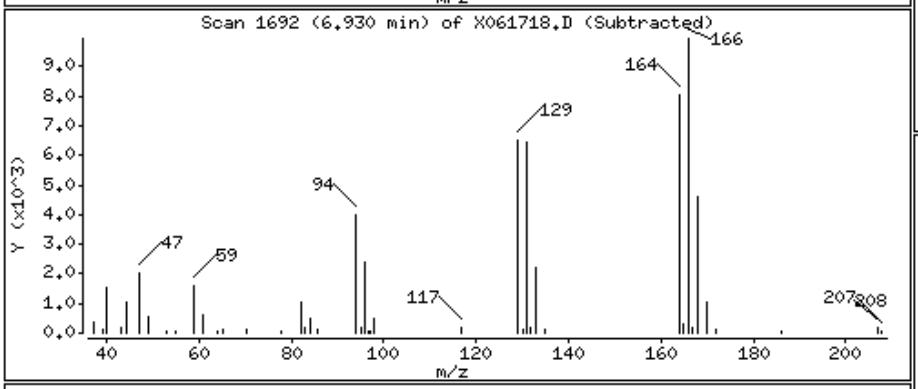
Sample Info: HS23060722-06;HS23060722-06;;;

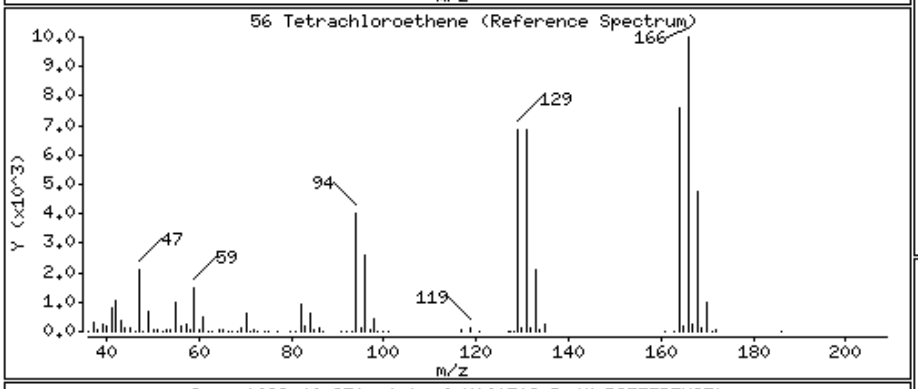
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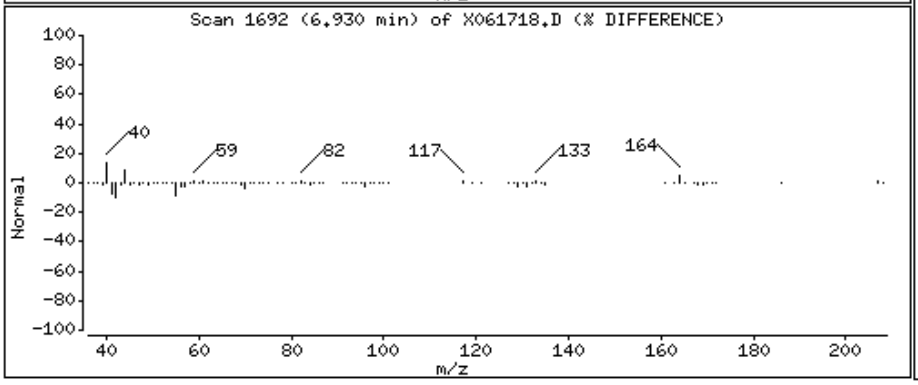
Column phase: DB624 Column diameter: 0.18

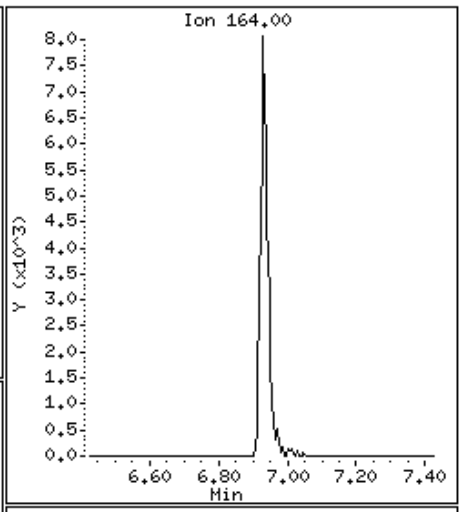
56 Tetrachloroethene Concentration: 3.09 ug/l

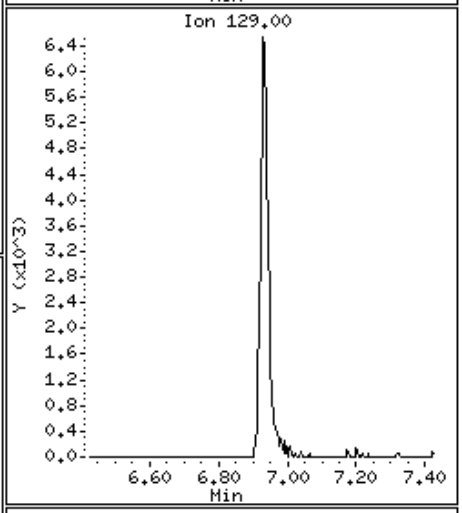


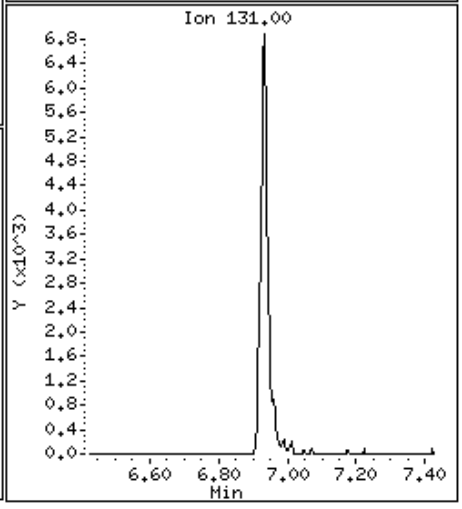












Data File : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061718.D
Inj Date : 17-JUN-2023 17:14
InstruID : voa6.i
LabSampID : HS23060722-06

NO MANUAL INTEGRATIONS

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061719.D Page 1
Report Date: 20-Jun-2023 17:15

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061719.D
Lab Smp Id: HS23060722-07 Client Smp ID: HS23060722-07
Inj Date : 17-JUN-2023 17:35
Operator : PC Inst ID: voa6.i
Smp Info : HS23060722-07;HS23060722-07;;;
Misc Info : V6;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\8260W.m
Meth Date : 20-Jun-2023 17:15 voa6.i Quant Type: ISTD
Cal Date : 15-JUN-2023 13:42 Cal File: X061508.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
*	1 Pentafluorobenzene	168	4.181	4.178	(1.000)	495077	50.0000	
	5 Vinyl Chloride	62	1.149	1.145	(0.275)	34587	6.65215	6.65
	11 1,1-Dichloroethene	96	1.917	1.917	(0.459)	80856	20.8608	20.86
	20 trans-1,2-Dichloroethene	96	2.539	2.528	(0.607)	10591	2.28355	2.28(a)
	22 1,1-Dichloroethane	63	2.922	2.922	(0.699)	67438	8.07147	8.07
	27 cis-1,2-Dichloroethene	96	3.525	3.525	(0.843)	623041	116.491	116.49
$	30 Dibromofluoromethane	113	4.099	4.099	(0.980)	221268	50.0449	50.04
$	35 1,2-Dichloroethane-d4	65	4.470	4.470	(1.069)	251140	52.6663	52.66
*	36 1,4-Difluorobenzene	114	4.965	4.965	(1.000)	725717	50.0000	
	38 Trichloroethene	130	5.208	5.205	(1.049)	103773	20.1620	20.16
*	47 Chlorobenzene-d5	117	7.668	7.668	(1.000)	642682	50.0000	
$	48 Toluene-d8	98	6.385	6.386	(0.833)	861197	53.0019	53.00
	56 Tetrachloroethene	164	6.933	6.925	(0.904)	11552	2.97742	2.97(a)
$	69 4-Bromofluorobenzene	95	8.691	8.687	(1.133)	302964	48.2656	48.26
*	70 1,4-Dichlorobenzene-d4	152	9.662	9.662	(1.000)	330864	50.0000	
M	94 1,2-Dichloroethylene (total)	96				633632	118.775	118.77

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

01225966

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061719.D

Page 1

Date : 17-JUN-2023 17:35

Client ID: HS23060722-07

Instrument: voa6.i

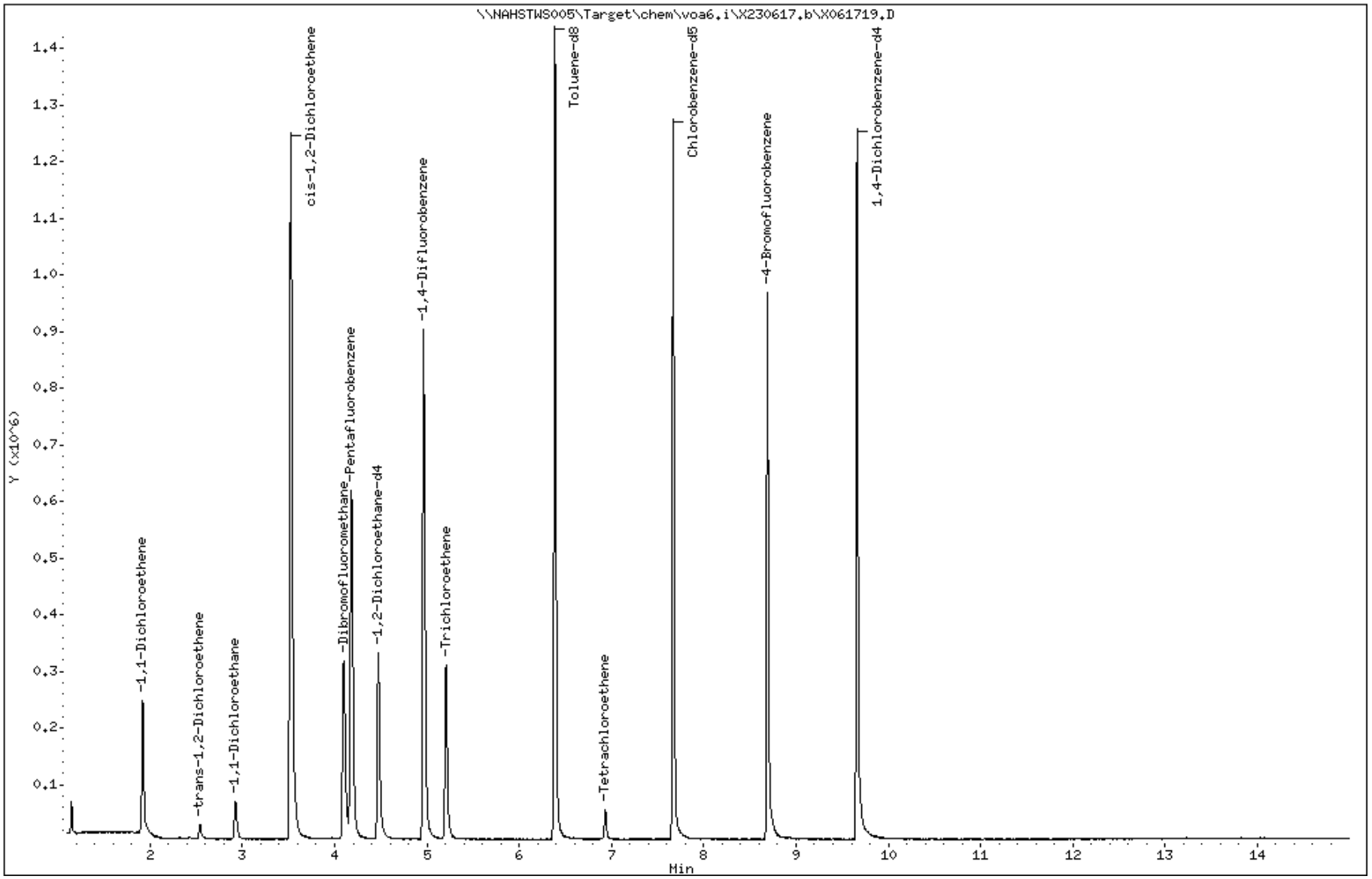
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Purge Volume: 5.0

Operator: PC

Column phase: DB624

Column diameter: 0.18



Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061719.D Page 2

Date : 17-JUN-2023 17:35

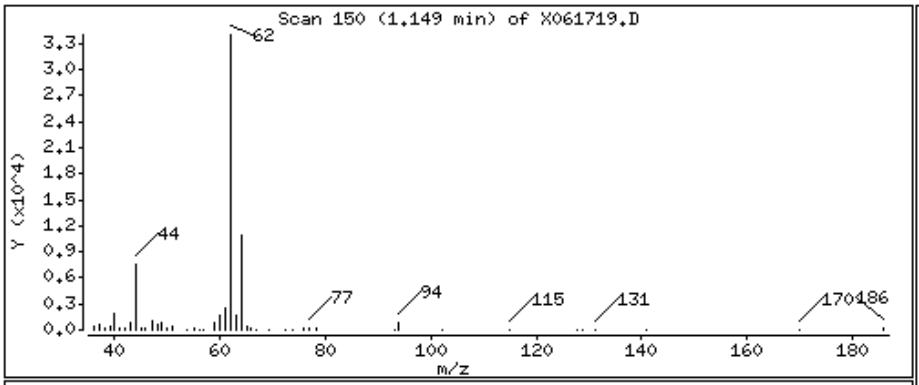
Client ID: HS23060722-07 Instrument: voa6.i

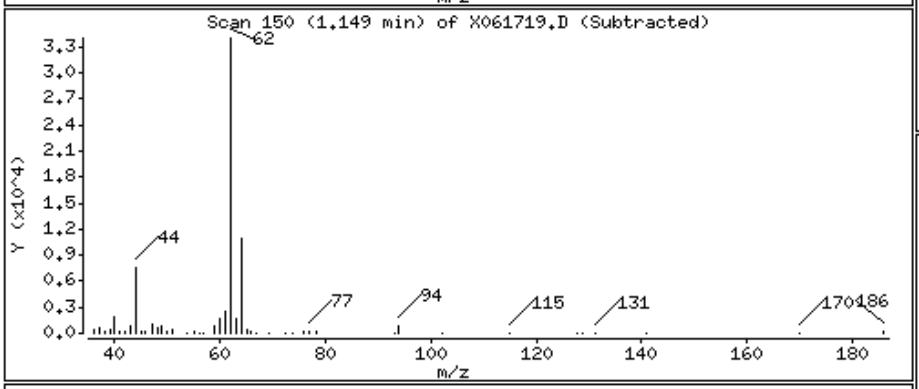
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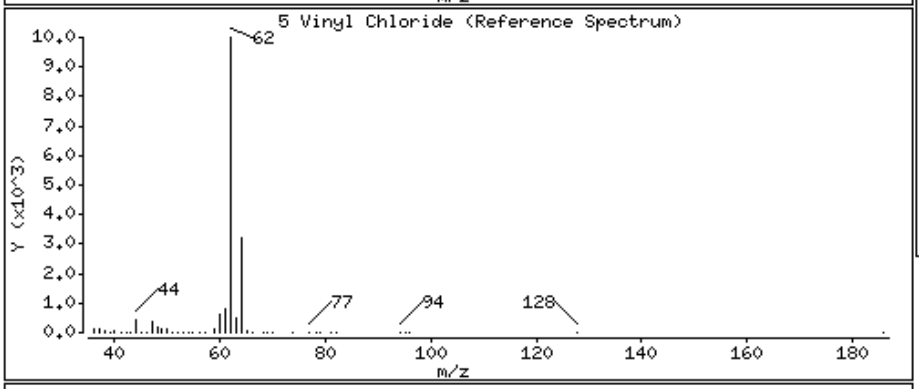
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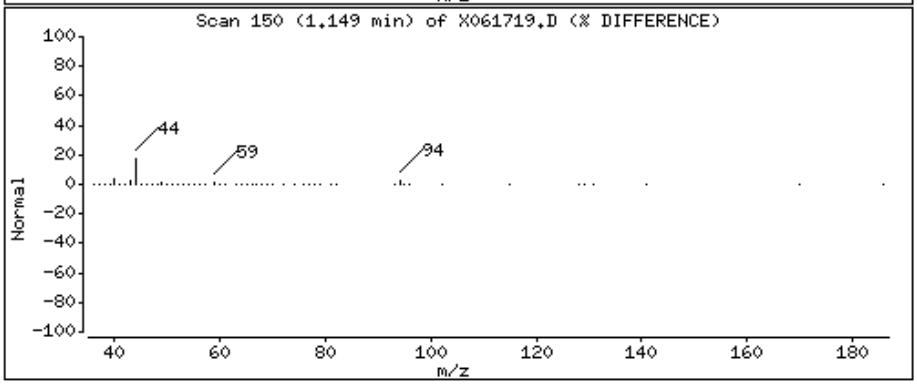
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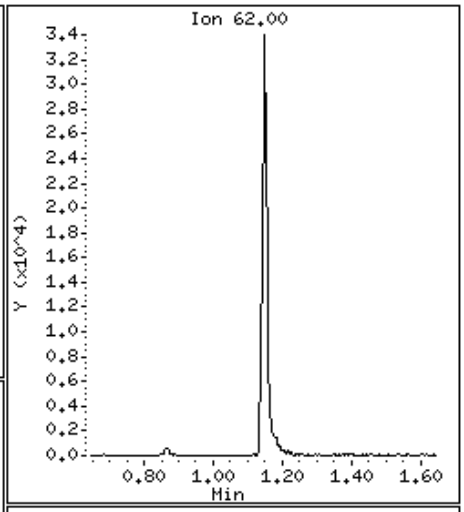
5 Vinyl Chloride Concentration: 6.65 ug/l

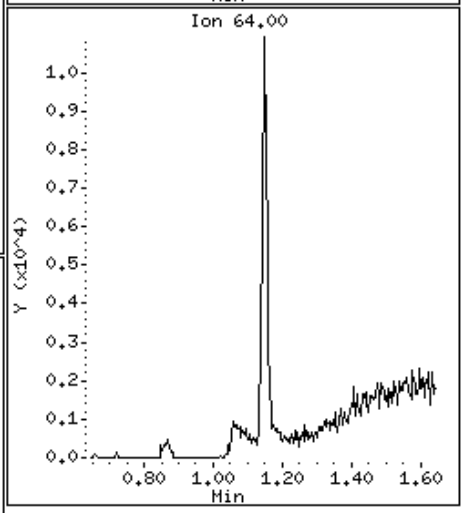












Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061719.D Page 3

Date : 17-JUN-2023 17:35

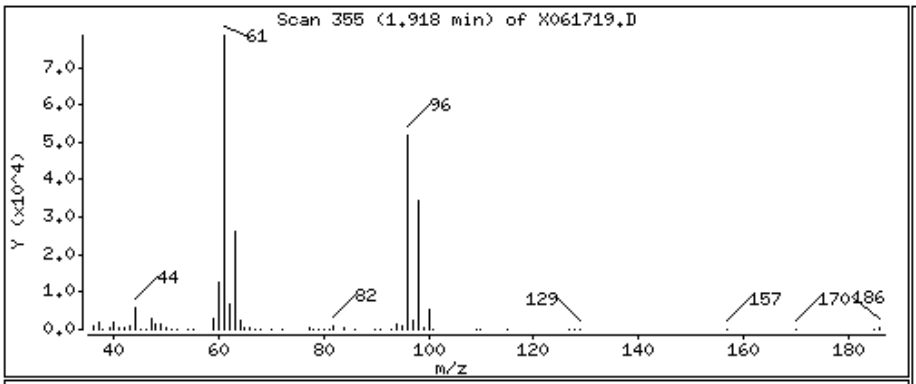
Client ID: HS23060722-07 Instrument: voa6.i

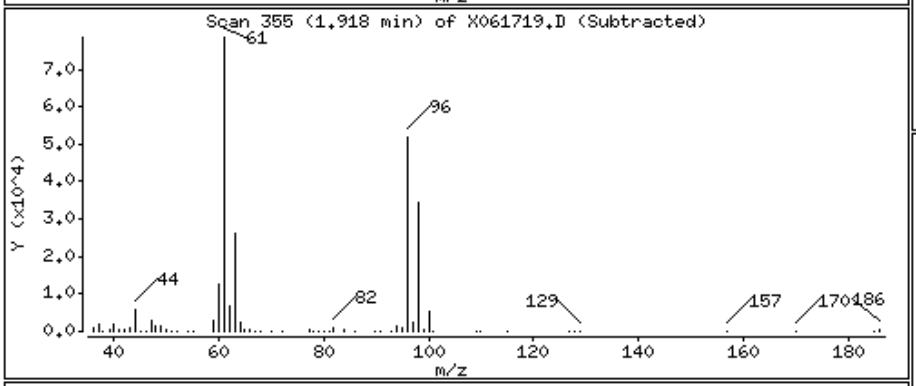
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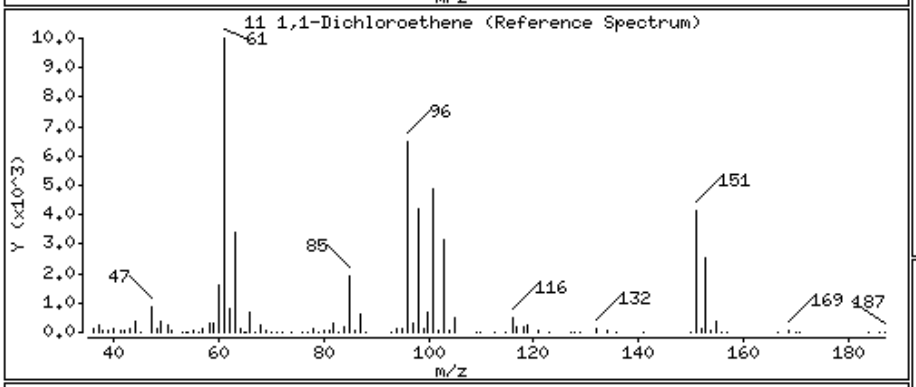
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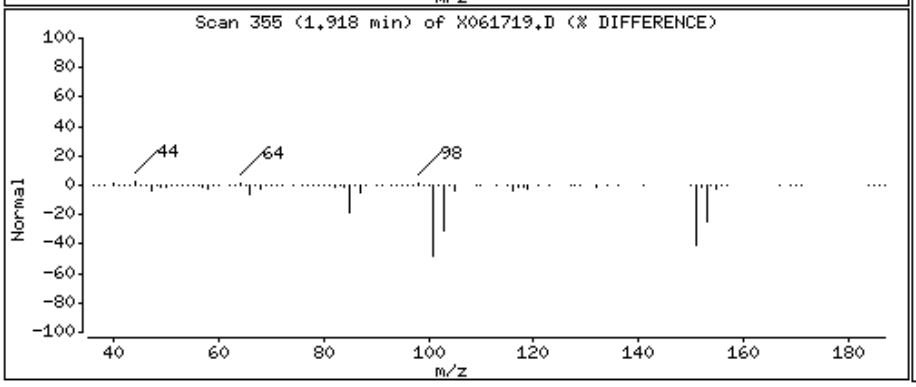
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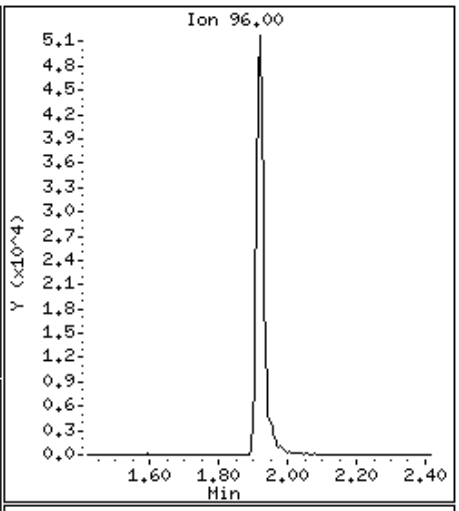
11 1,1-Dichloroethene Concentration: 20.86 ug/l

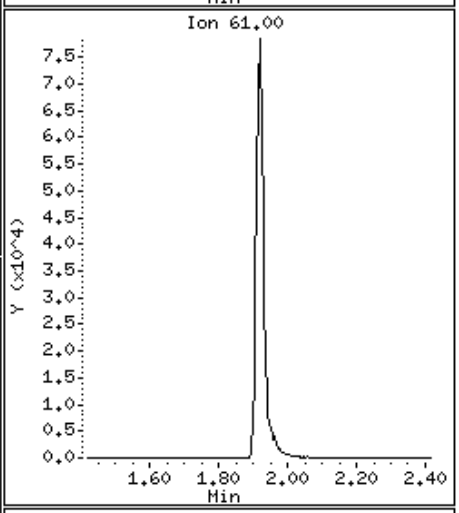


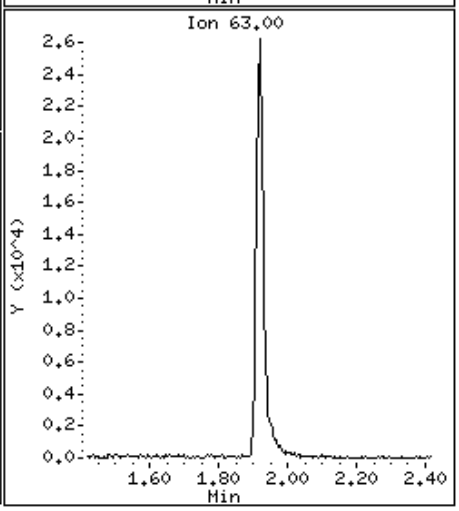












Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061719.D Page 4

Date : 17-JUN-2023 17:35

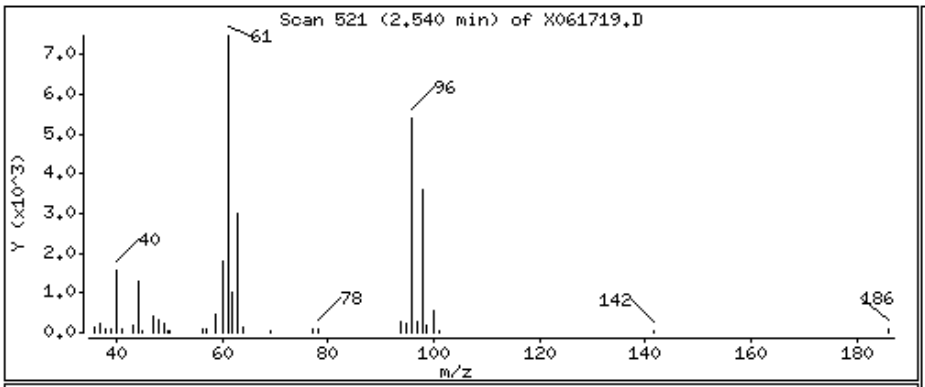
Client ID: HS23060722-07 Instrument: voa6.i

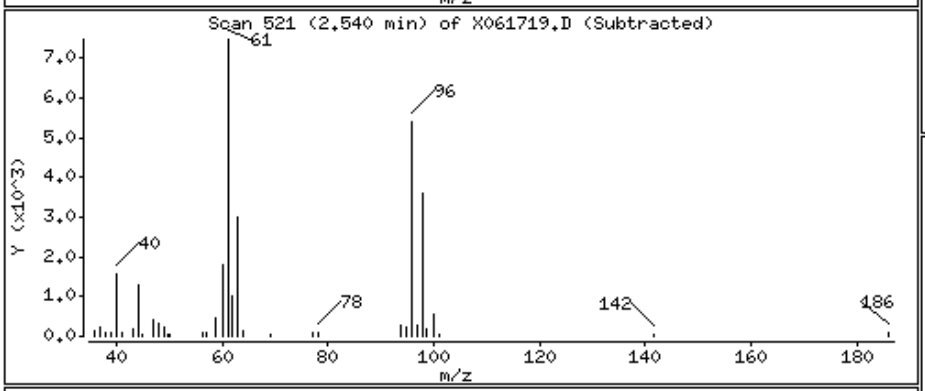
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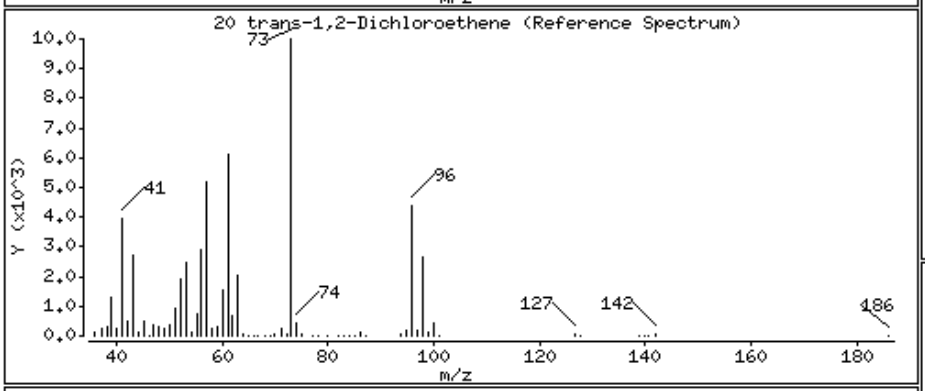
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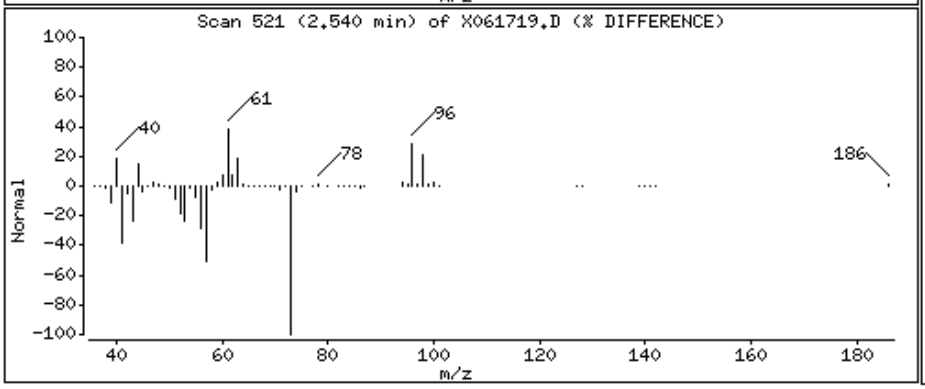
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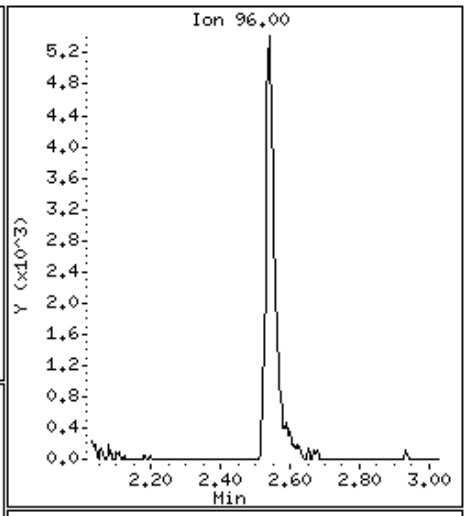
20 trans-1,2-Dichloroethene Concentration: 2.28 ug/l

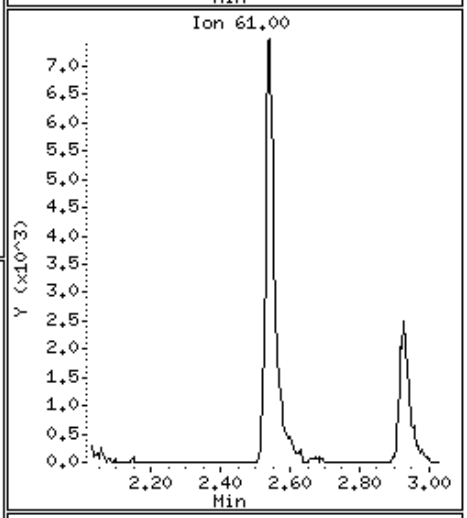


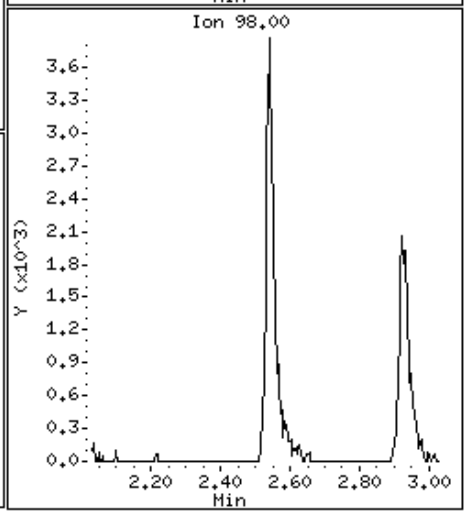












Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061719.D Page 5

Date : 17-JUN-2023 17:35

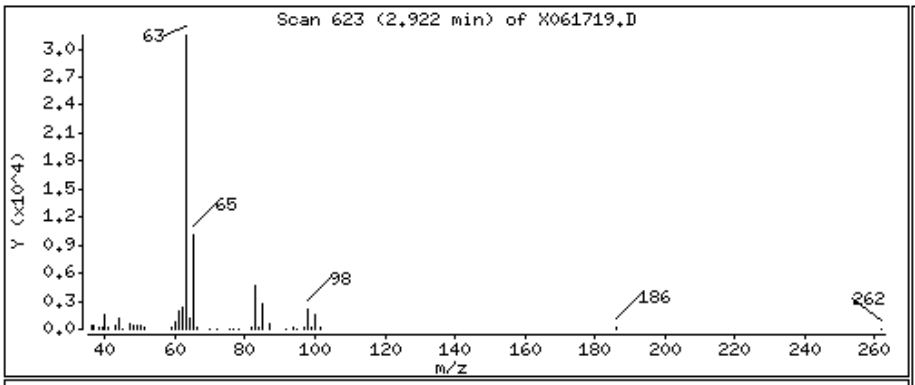
Client ID: HS23060722-07 Instrument: voa6.i

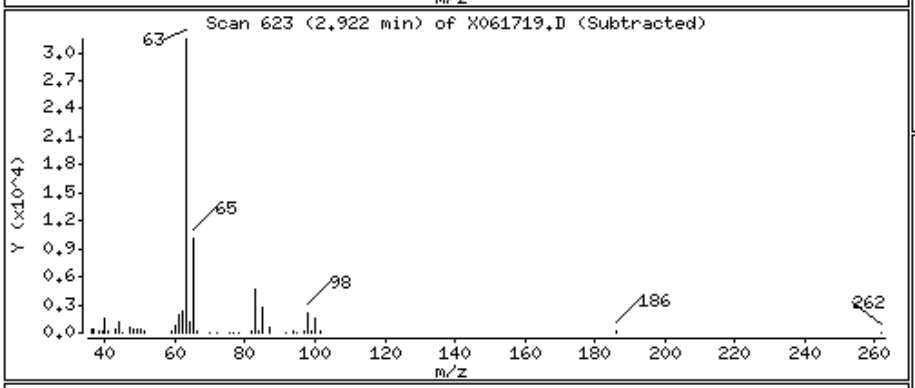
Sample Info: HS23060722-07;HS23060722-07;;;

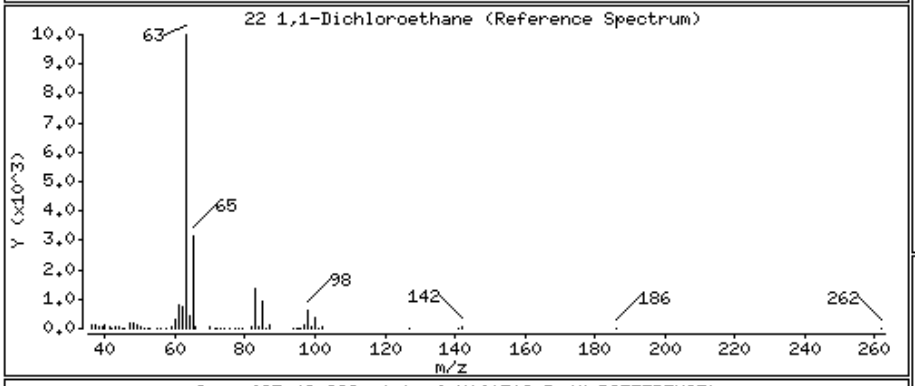
Purge Volume: 5.0 Operator: PC

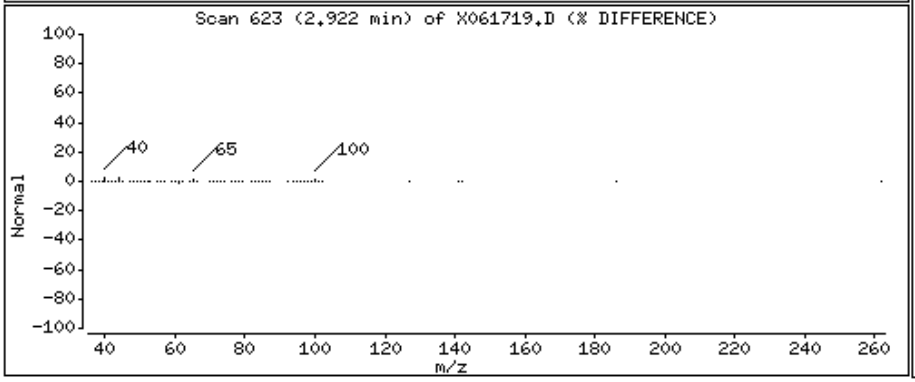
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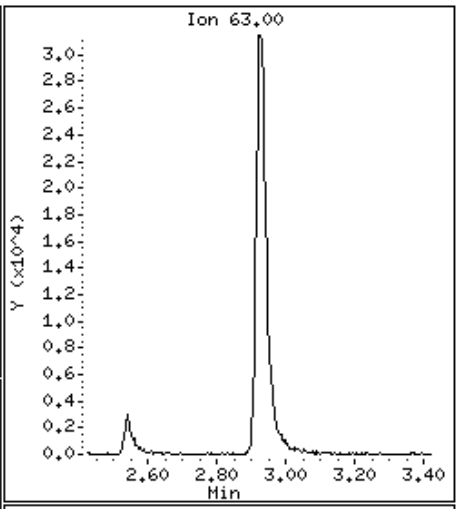
22 1,1-Dichloroethane Concentration: 8.07 ug/l

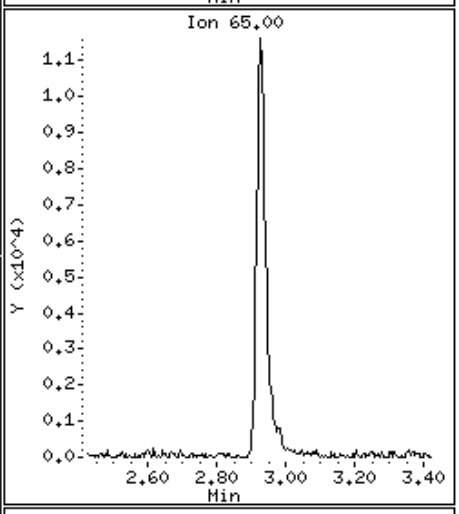


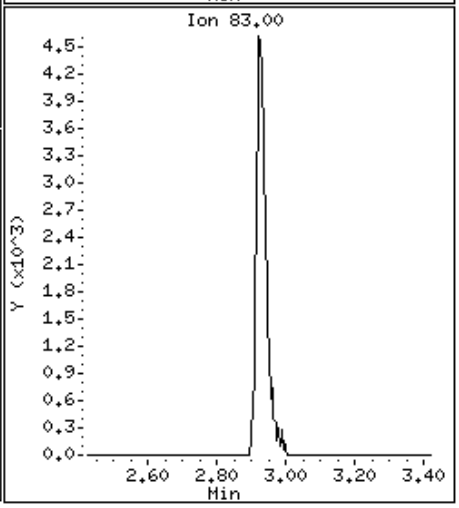












Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061719.D Page 6

Date : 17-JUN-2023 17:35

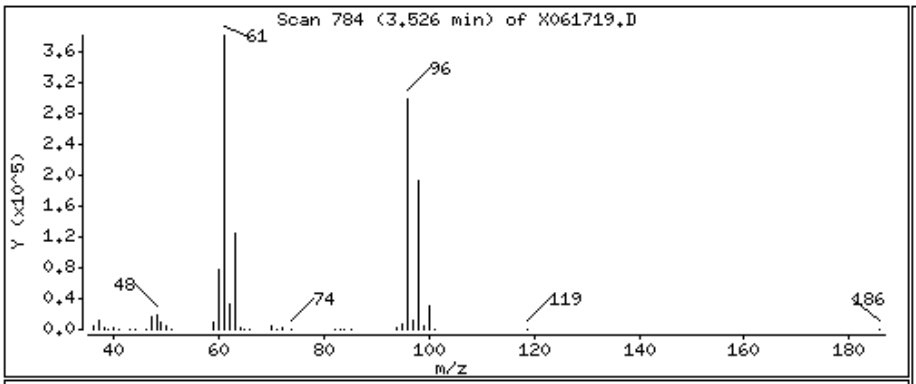
Client ID: HS23060722-07 Instrument: voa6.i

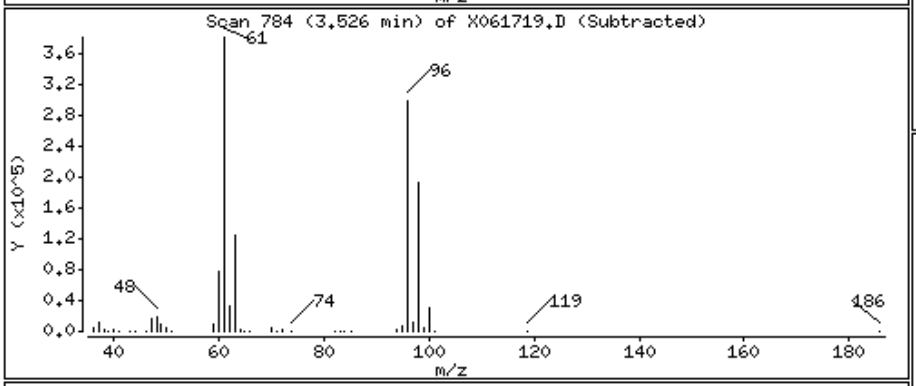
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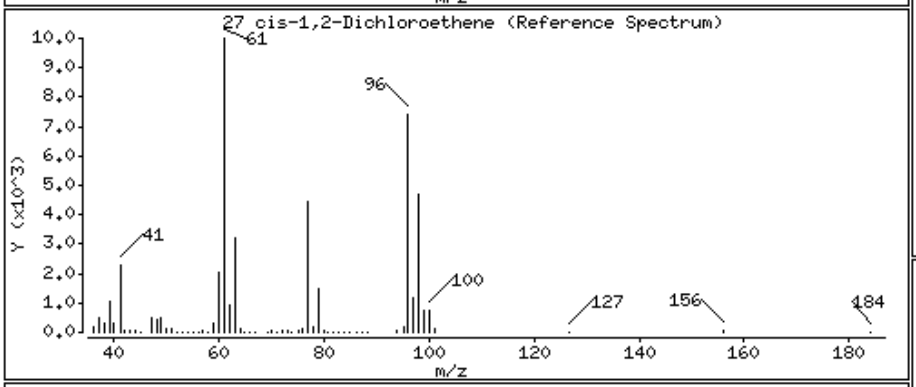
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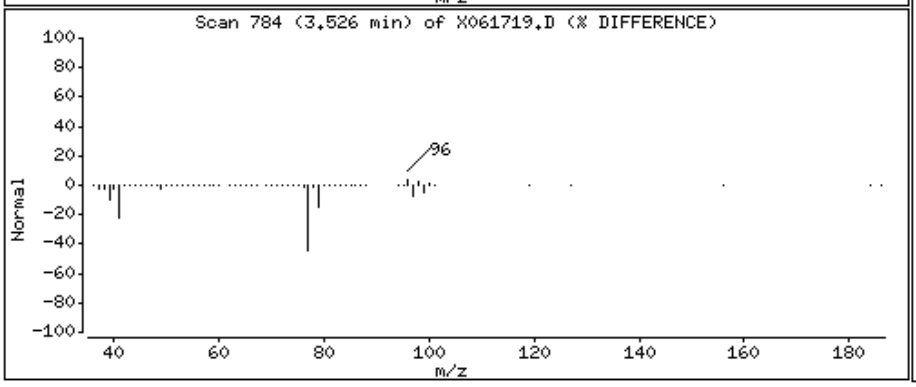
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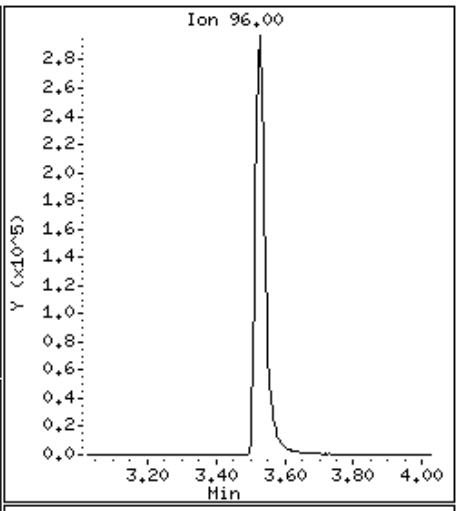
27 cis-1,2-Dichloroethene Concentration: 116.49 ug/l

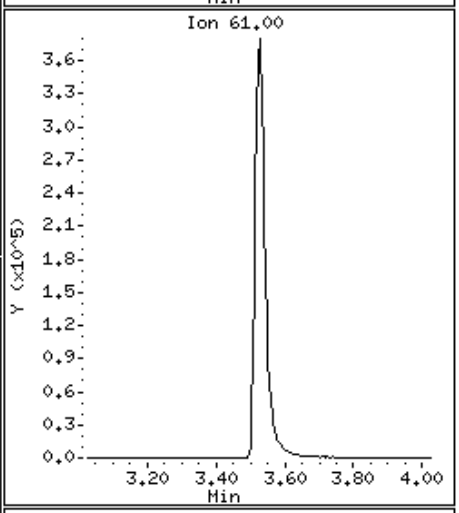


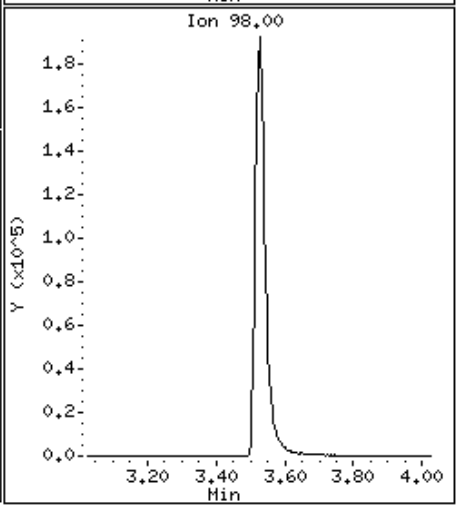












Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061719.D Page 7

Date : 17-JUN-2023 17:35

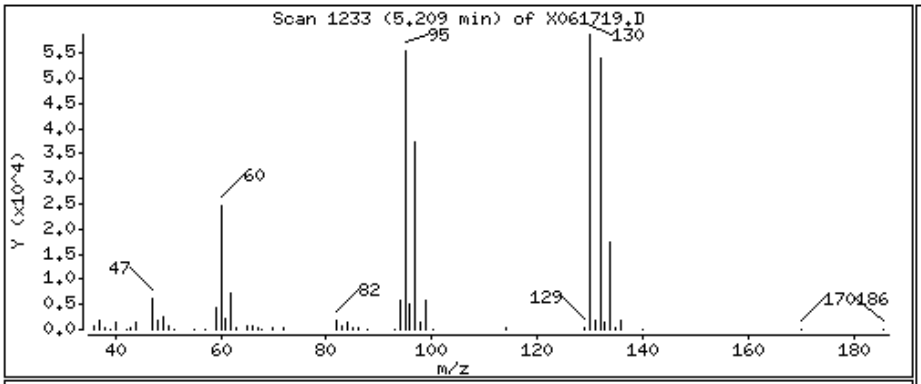
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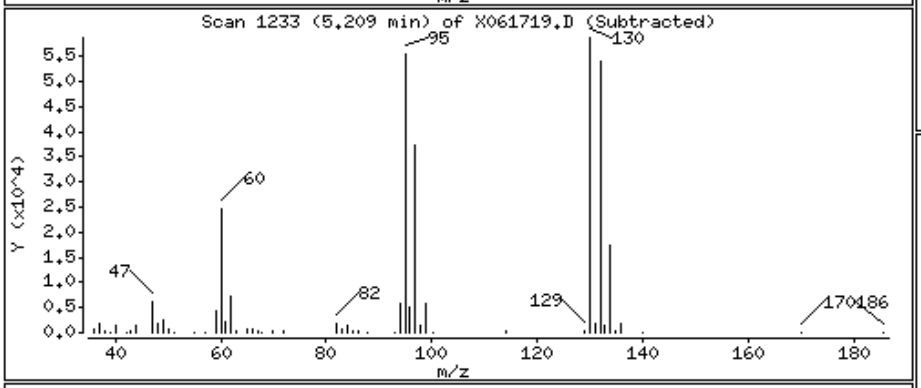
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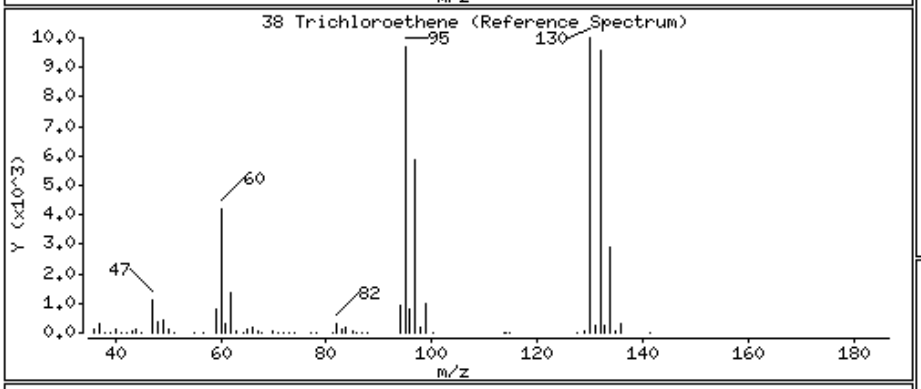
Purge Volume: 5.0 Operator: PC

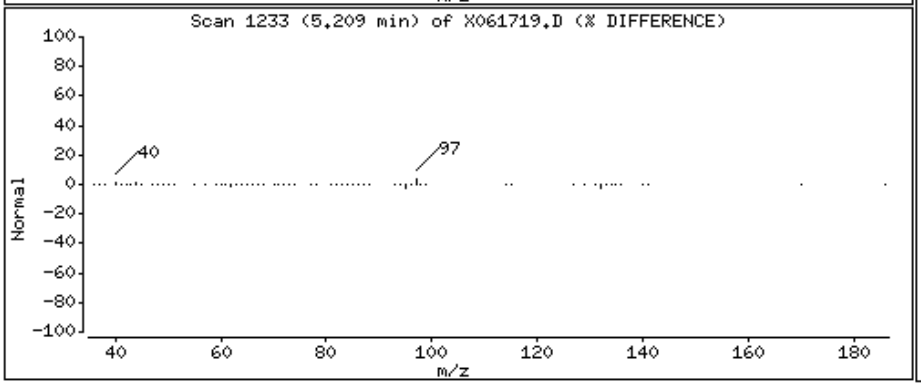
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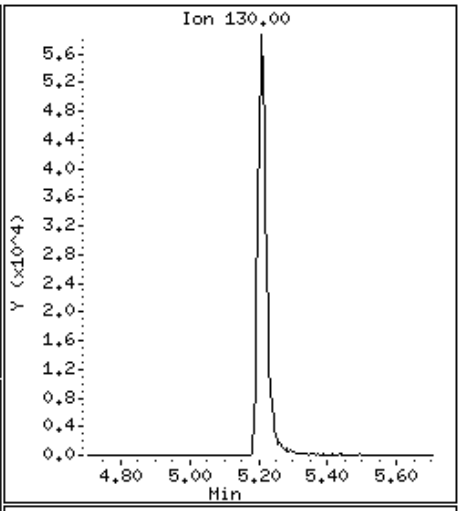
38 Trichloroethene Concentration: 20.16 ug/l

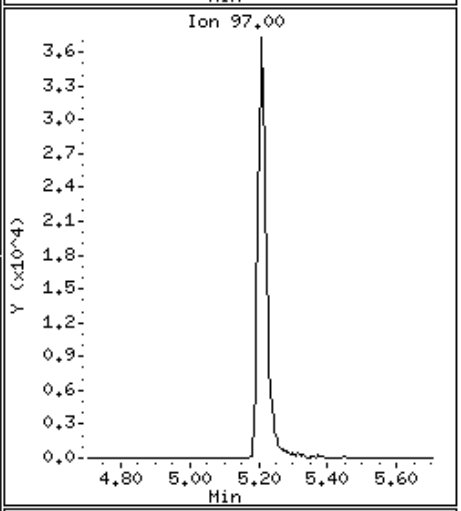


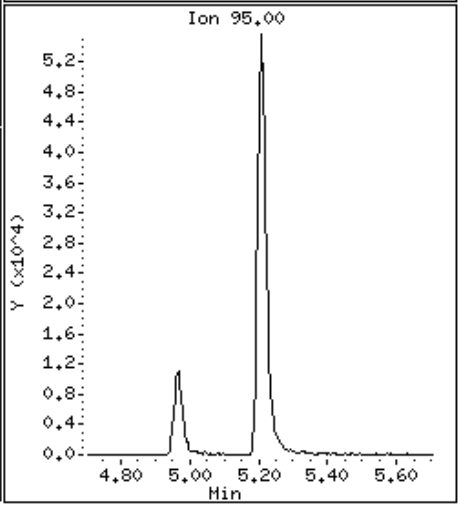












Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061719.D Page 8

Date : 17-JUN-2023 17:35

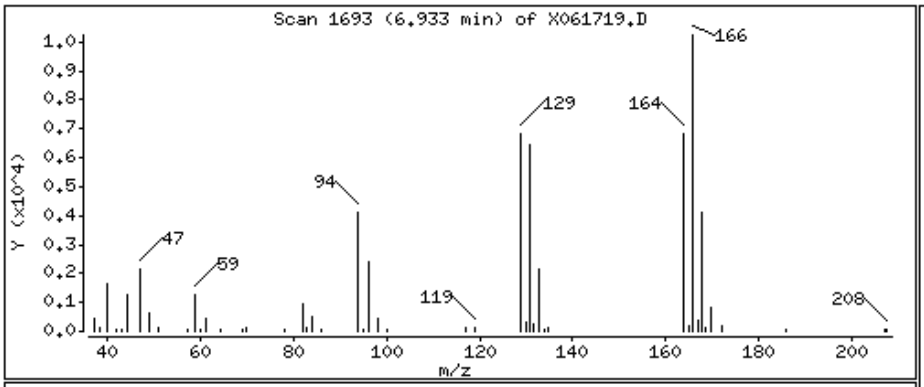
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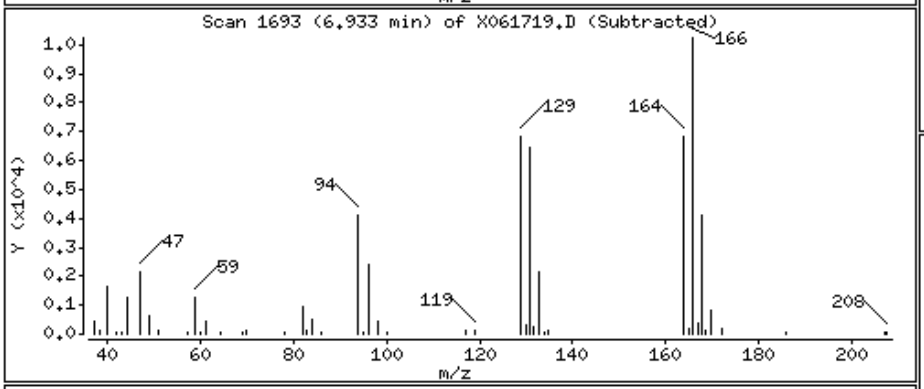
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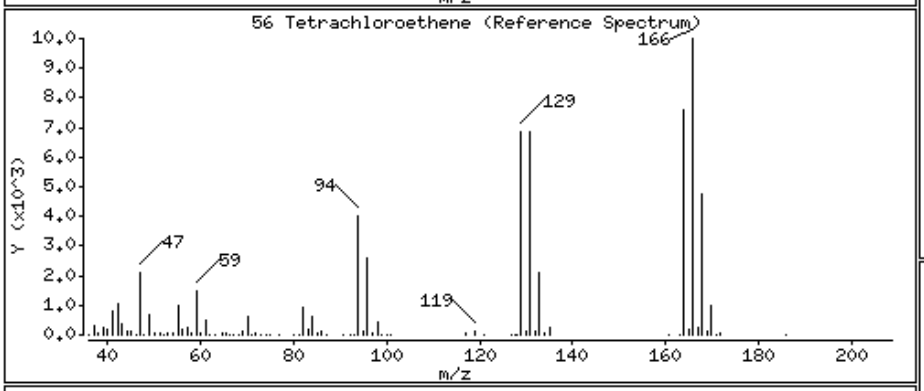
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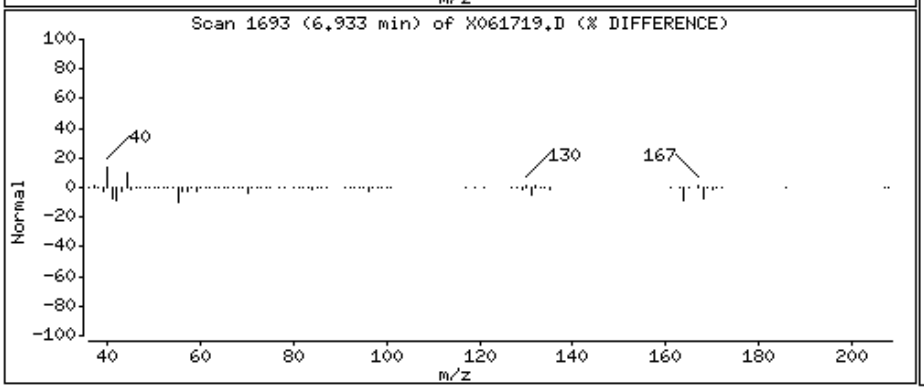
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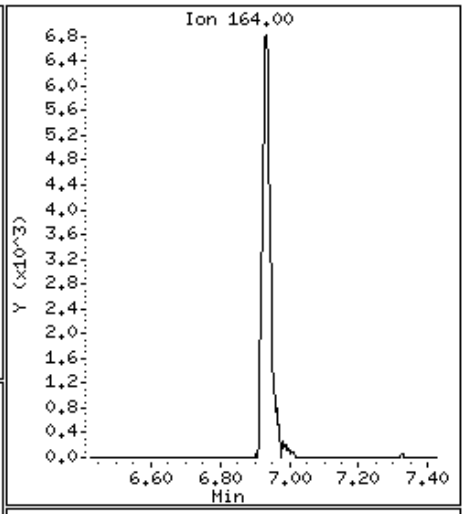
56 Tetrachloroethene Concentration: 2.97 ug/l

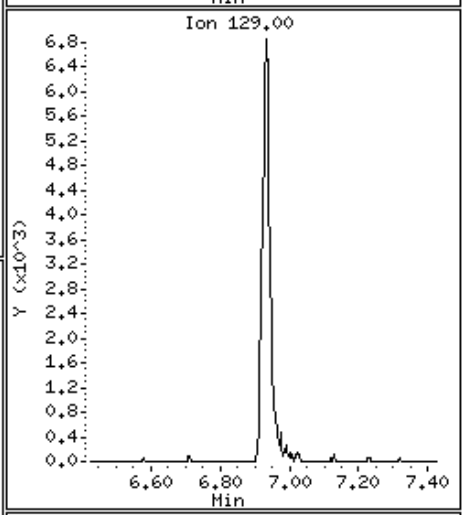


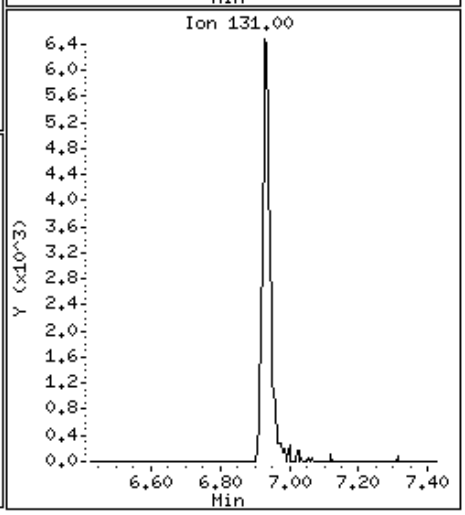












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Inj Date : 17-JUN-2023 17:35
InstruID : voa6.i
LabSampID : HS23060722-07

NO MANUAL INTEGRATIONS

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061720.D Page 1
Report Date: 20-Jun-2023 17:15

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061720.D
Lab Smp Id: HS23060722-08 Client Smp ID: HS23060722-08
Inj Date : 17-JUN-2023 17:56
Operator : PC Inst ID: voa6.i
Smp Info : HS23060722-08;HS23060722-08;;;
Misc Info : V6;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\8260W.m
Meth Date : 20-Jun-2023 17:15 voa6.i Quant Type: ISTD
Cal Date : 15-JUN-2023 13:42 Cal File: X061508.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.177	4.178	(1.000)	485560	50.0000	
$ 30 Dibromofluoromethane	113	4.099	4.099	(0.981)	219452	50.6109	50.61
$ 35 1,2-Dichloroethane-d4	65	4.474	4.470	(1.071)	247119	52.8416	52.84
* 36 1,4-Difluorobenzene	114	4.965	4.965	(1.000)	709991	50.0000	
* 47 Chlorobenzene-d5	117	7.667	7.668	(1.000)	625729	50.0000	
$ 48 Toluene-d8	98	6.385	6.386	(0.833)	854371	54.0064	54.00
$ 69 4-Bromofluorobenzene	95	8.687	8.687	(1.133)	300120	49.1173	49.11
* 70 1,4-Dichlorobenzene-d4	152	9.662	9.662	(1.000)	313299	50.0000	

01225976

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061720.D

Date : 17-JUN-2023 17:56

Client ID: HS23060722-08

Instrument: voa6.i

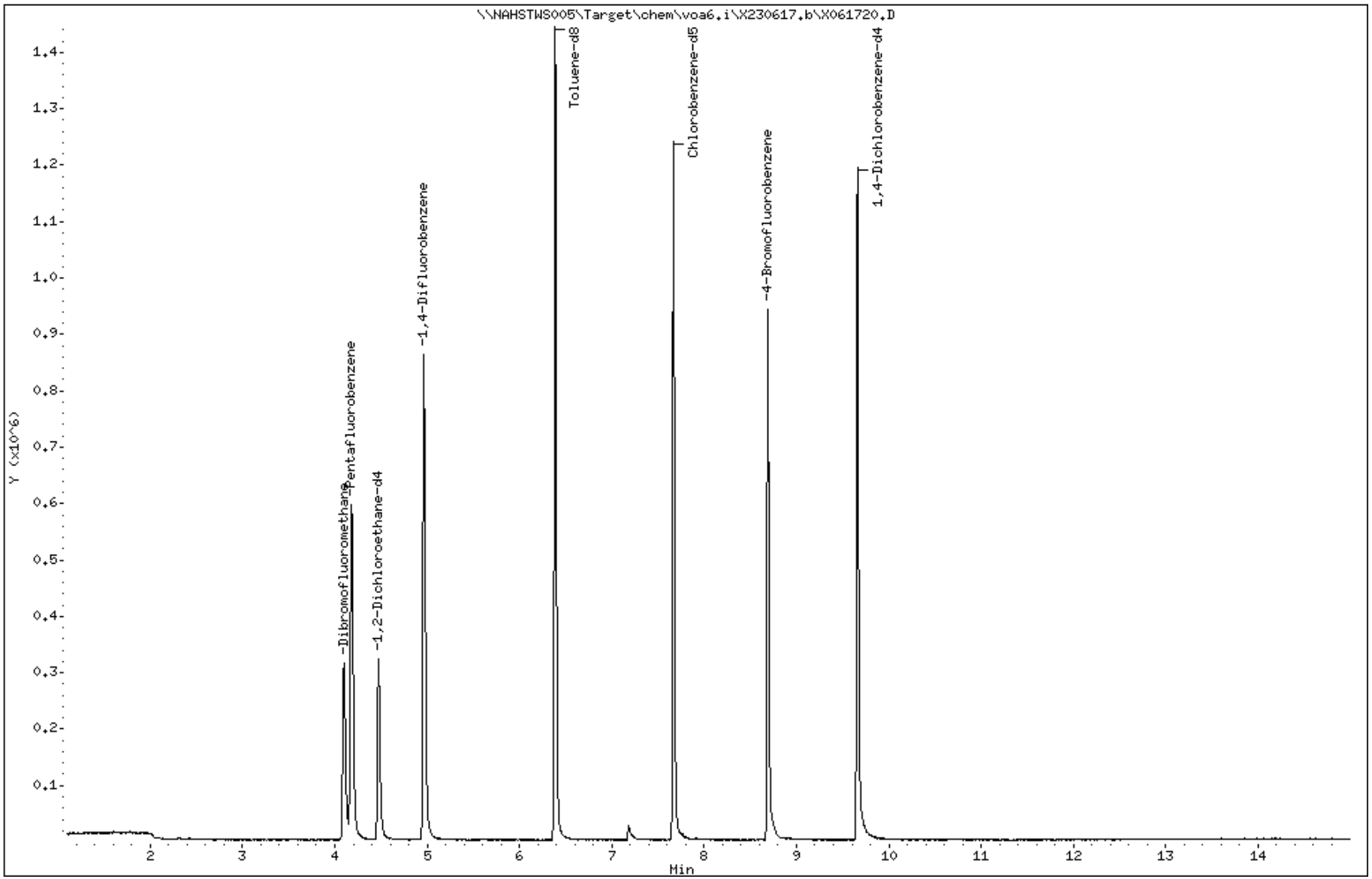
Sample Info: HS23060722-08;HS23060722-08;;;

Purge Volume: 5.0

Operator: PC

Column phase: DB624

Column diameter: 0.18



Data File : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061720.D
Inj Date : 17-JUN-2023 17:56
InstruID : voa6.i
LabSampID : HS23060722-08

NO MANUAL INTEGRATIONS

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061721.D Page 1
Report Date: 20-Jun-2023 17:15

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061721.D
Lab Smp Id: HS23060722-09 Client Smp ID: HS23060722-09
Inj Date : 17-JUN-2023 18:17
Operator : PC Inst ID: voa6.i
Smp Info : HS23060722-09;HS23060722-09;;;
Misc Info : V6;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\8260W.m
Meth Date : 20-Jun-2023 17:15 voa6.i Quant Type: ISTD
Cal Date : 15-JUN-2023 13:42 Cal File: X061508.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
*	1 Pentafluorobenzene	168	4.181	4.178	(1.000)	492348	50.0000	
	135 1,4-Dioxane	88	5.602	5.595	(1.340)	11990	200.949	200.94(a)
	10 Acetone	43	1.981	1.973	(0.474)	9639	7.25642	7.25
	11 1,1-Dichloroethene	96	1.917	1.917	(0.459)	35837	9.29719	9.29
	18 Methyl tert-butyl ether	73	2.536	2.536	(0.606)	16095	1.19635	1.19(a)
	22 1,1-Dichloroethane	63	2.929	2.922	(0.701)	82288	9.90342	9.90
	27 cis-1,2-Dichloroethene	96	3.537	3.525	(0.846)	22853	4.29656	4.29(a)
$	30 Dibromofluoromethane	113	4.099	4.099	(0.980)	221017	50.2667	50.26
$	35 1,2-Dichloroethane-d4	65	4.470	4.470	(1.069)	248778	52.4568	52.45
*	36 1,4-Difluorobenzene	114	4.965	4.965	(1.000)	720112	50.0000	
	38 Trichloroethene	130	5.209	5.205	(1.049)	53148	10.4065	10.40
*	47 Chlorobenzene-d5	117	7.668	7.668	(1.000)	647240	50.0000	
$	48 Toluene-d8	98	6.386	6.386	(0.833)	869840	53.1568	53.15
$	69 4-Bromofluorobenzene	95	8.687	8.687	(1.133)	310063	49.0574	49.05
*	70 1,4-Dichlorobenzene-d4	152	9.662	9.662	(1.000)	336944	50.0000	
M	94 1,2-Dichloroethylene (total)	96				22853	4.29656	4.29(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

01225980

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061721.D

Date : 17-JUN-2023 18:17

Client ID: HS23060722-09

Instrument: voa6.i

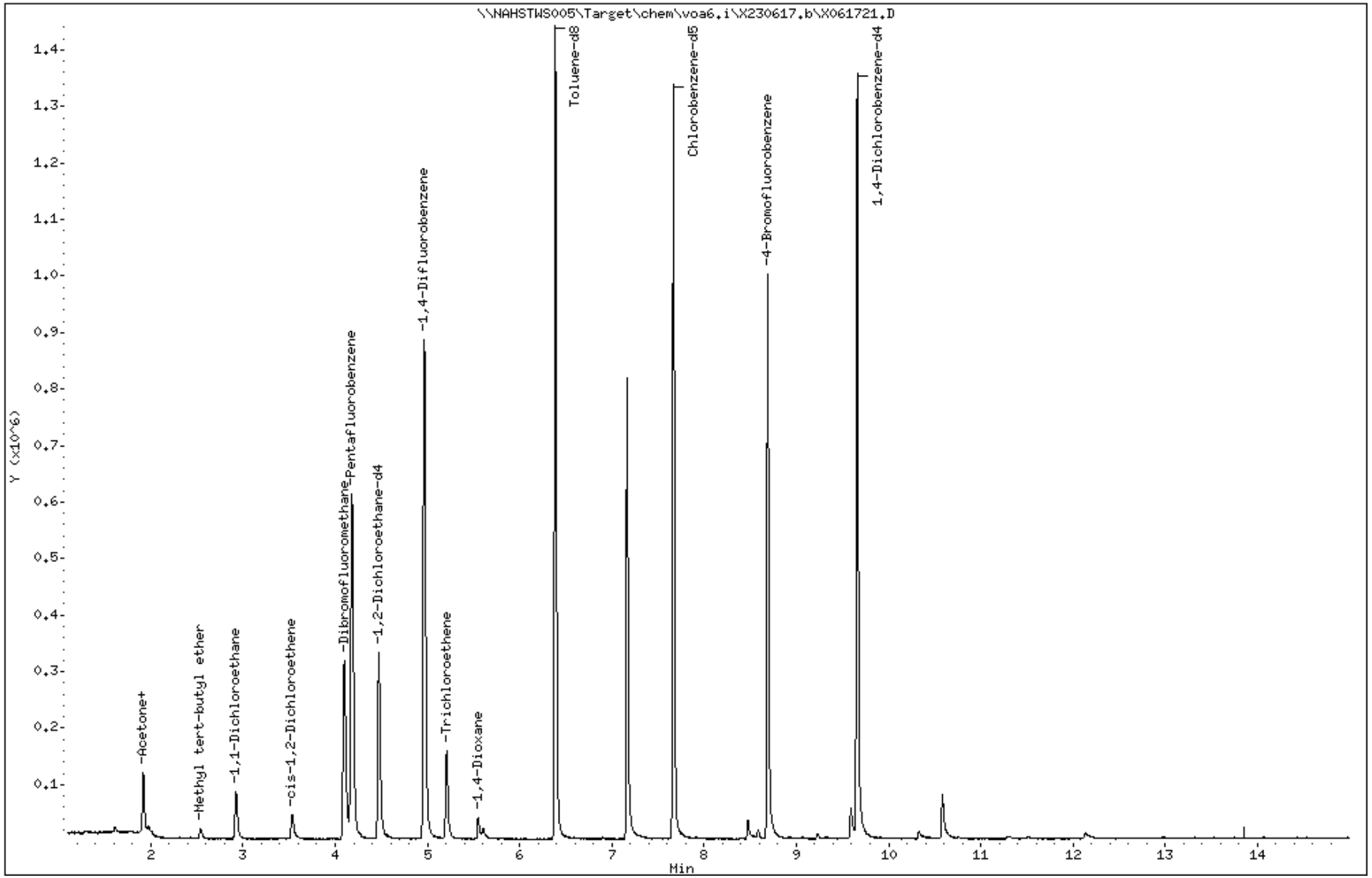
Sample Info: HS23060722-09;HS23060722-09;;;

Purge Volume: 5.0

Operator: PC

Column phase: DB624

Column diameter: 0.18



Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061721.D

Date : 17-JUN-2023 18:17

Client ID: HS23060722-09

Instrument: voa6.i

Sample Info: HS23060722-09;HS23060722-09;;;

Purge Volume: 5.0

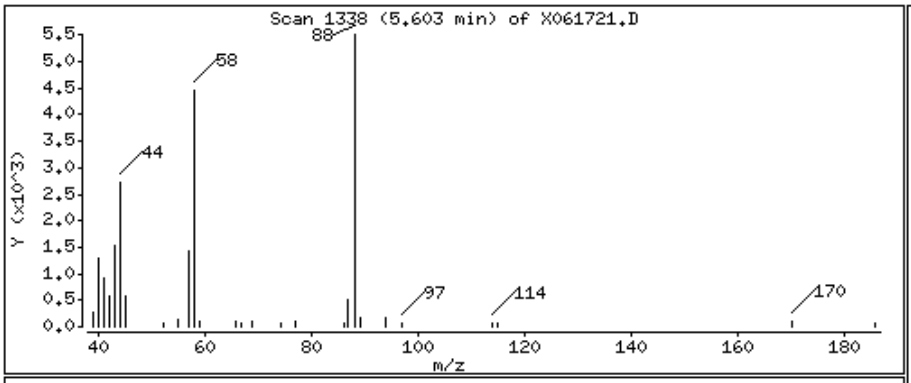
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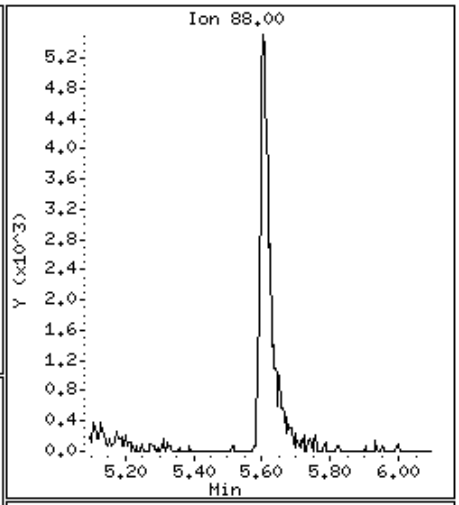
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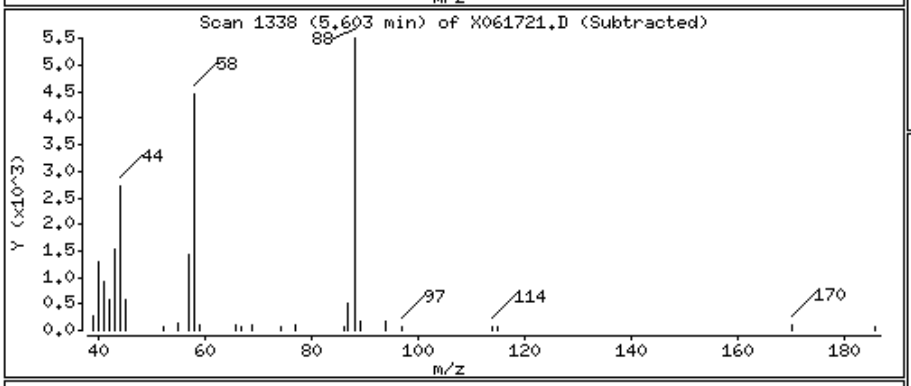
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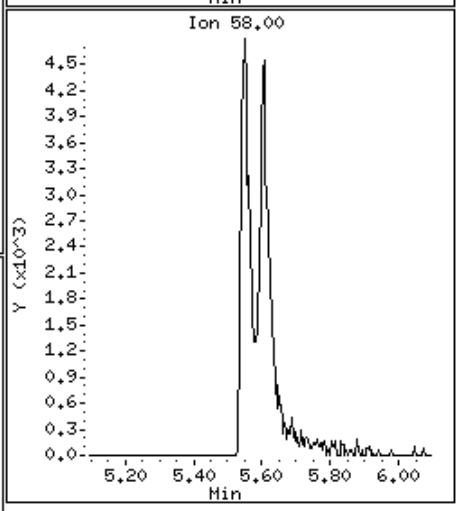
135 1,4-Dioxane

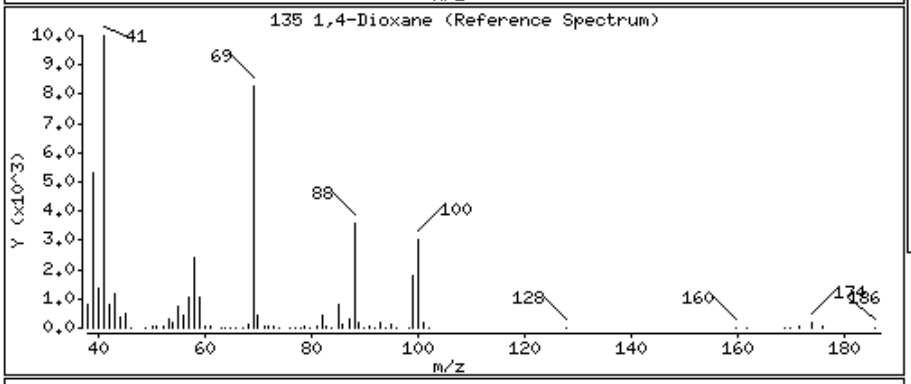
Concentration: 200.94 ug/l

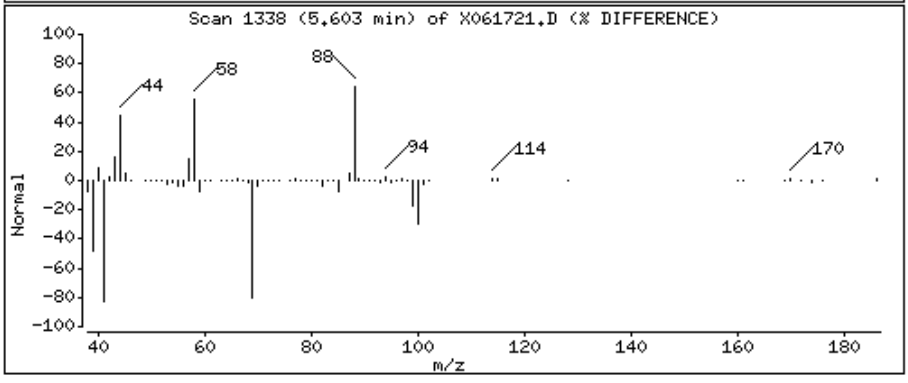












Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061721.D

Date : 17-JUN-2023 18:17

Client ID: HS23060722-09

Instrument: voa6.i

Sample Info: HS23060722-09;HS23060722-09;;;

Purge Volume: 5.0

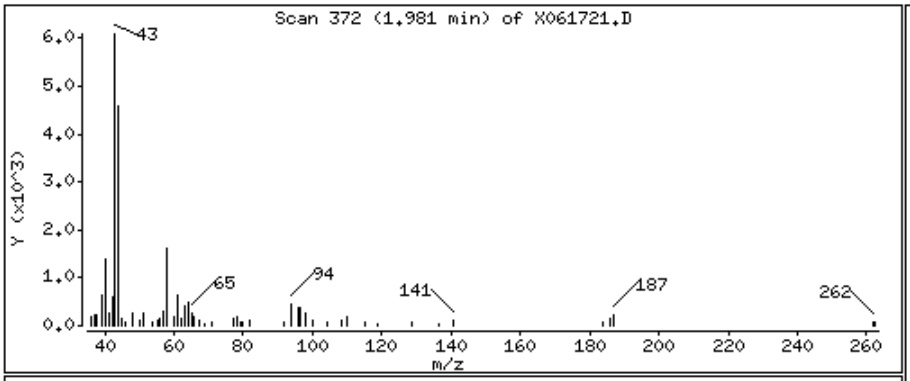
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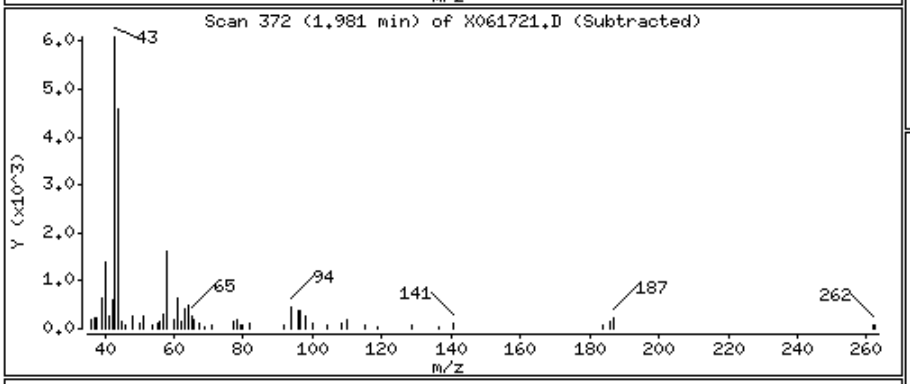
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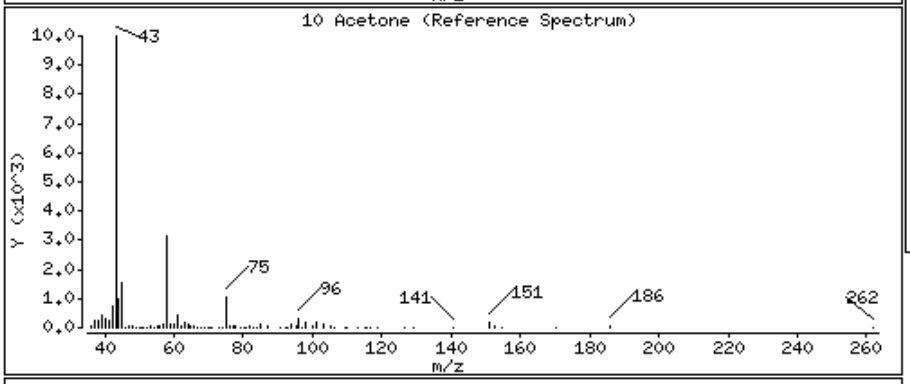
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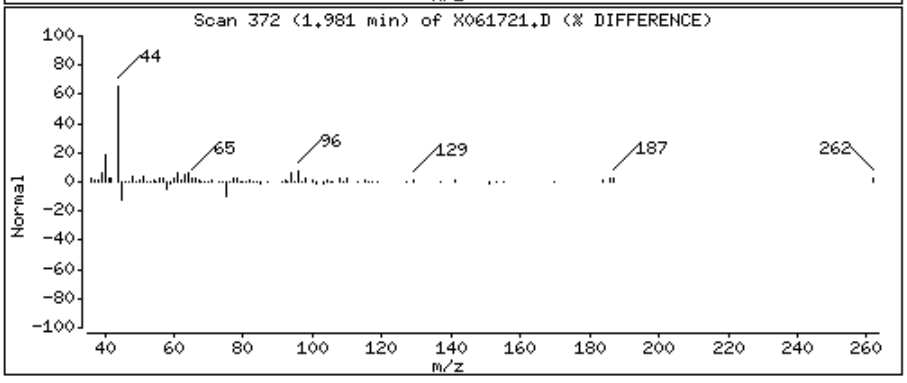
10 Acetone

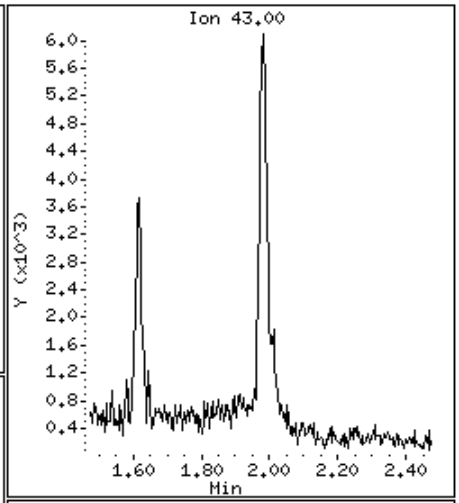
Concentration: 7.25 ug/l

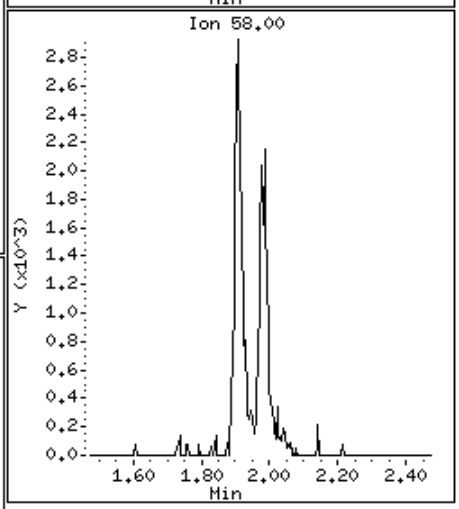












Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061721.D Page 4

Date : 17-JUN-2023 18:17

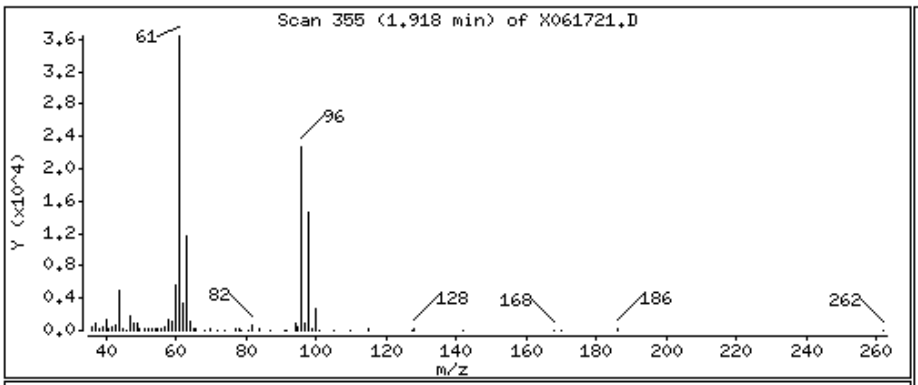
Client ID: HS23060722-09 Instrument: voa6.i

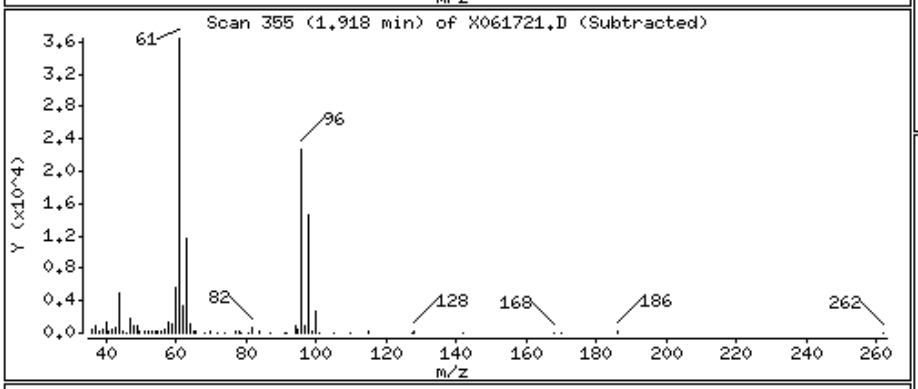
Sample Info: HS23060722-09;HS23060722-09;;;

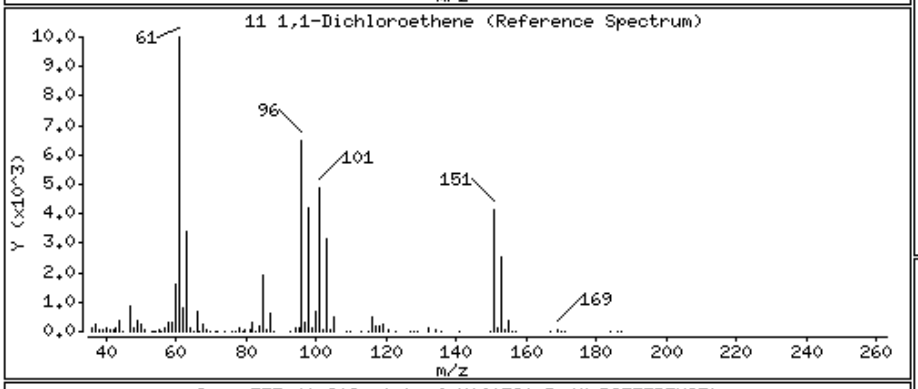
Purge Volume: 5.0 Operator: PC

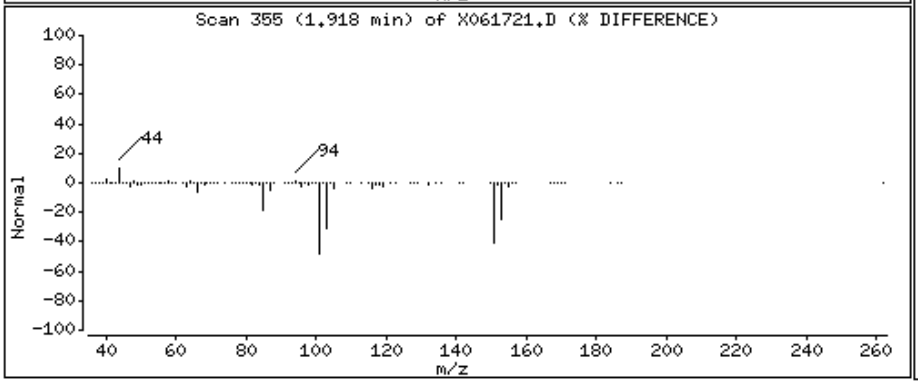
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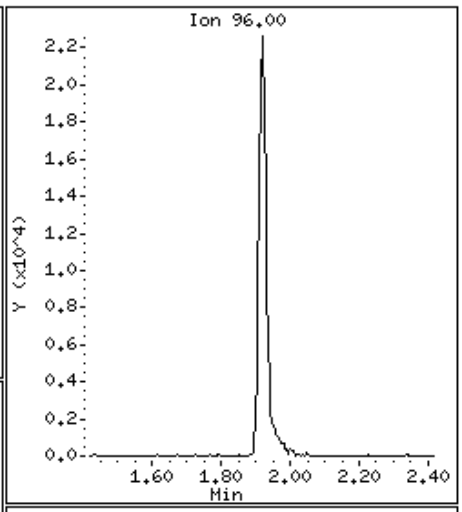
11 1,1-Dichloroethene Concentration: 9.29 ug/l

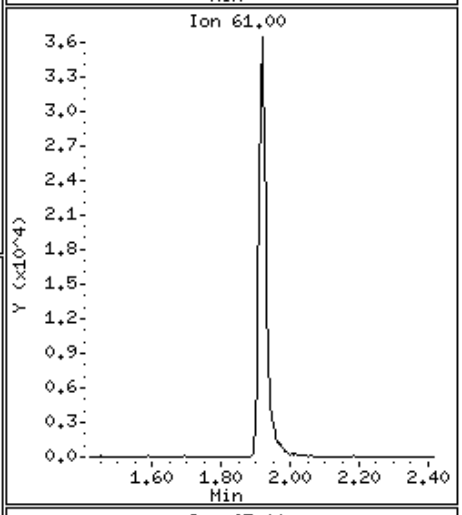


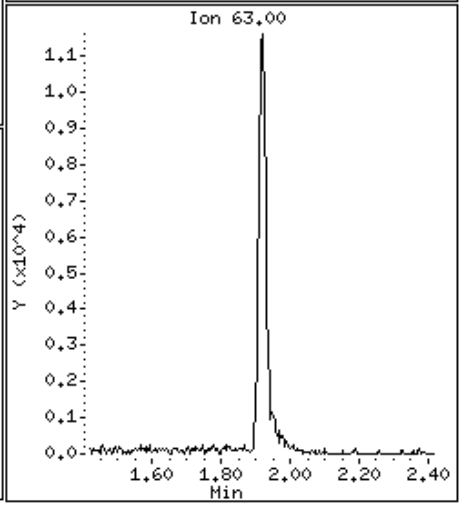












Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061721.D Page 5

Date : 17-JUN-2023 18:17

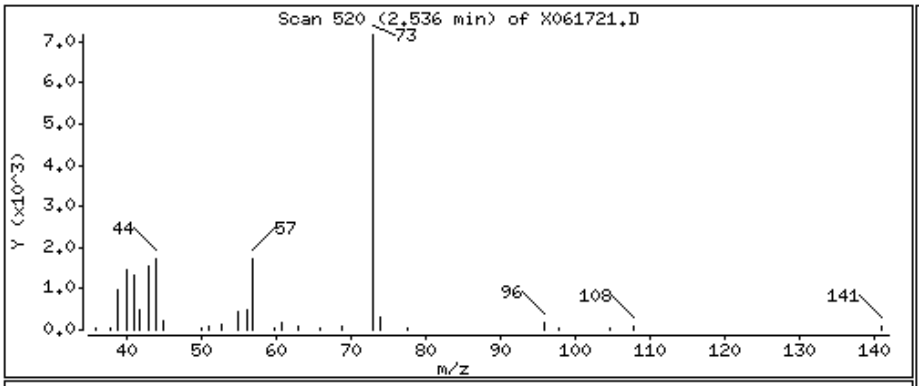
Client ID: HS23060722-09 Instrument: voa6.i

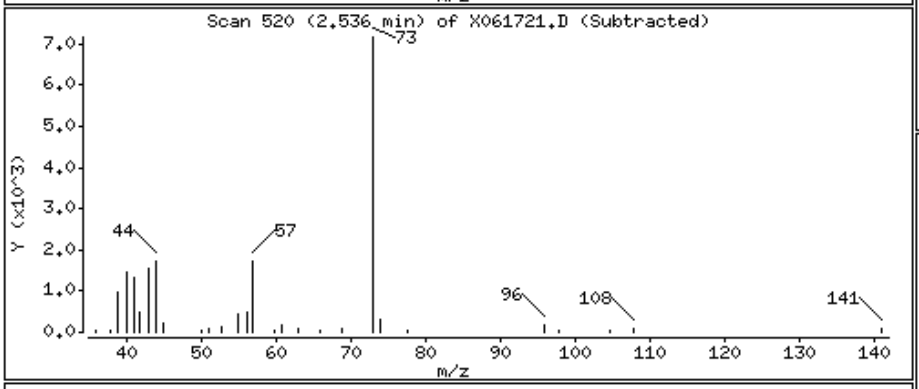
Sample Info: HS23060722-09;HS23060722-09;;;

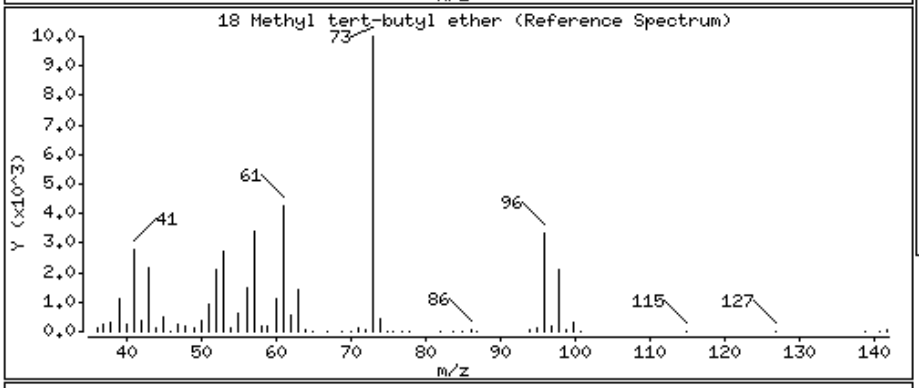
Purge Volume: 5.0 Operator: PC

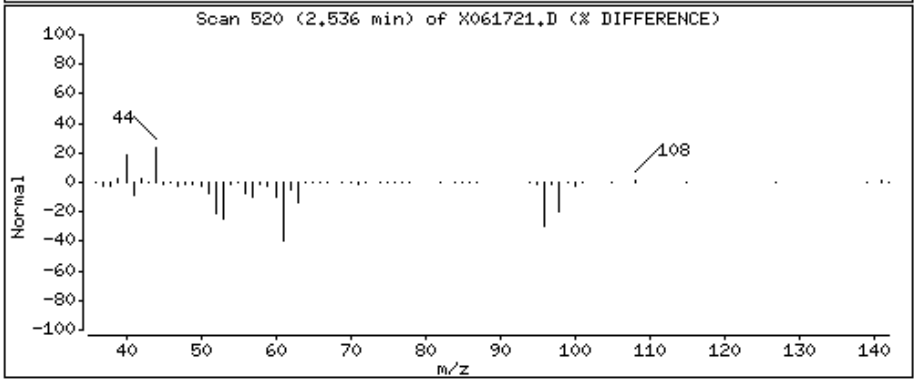
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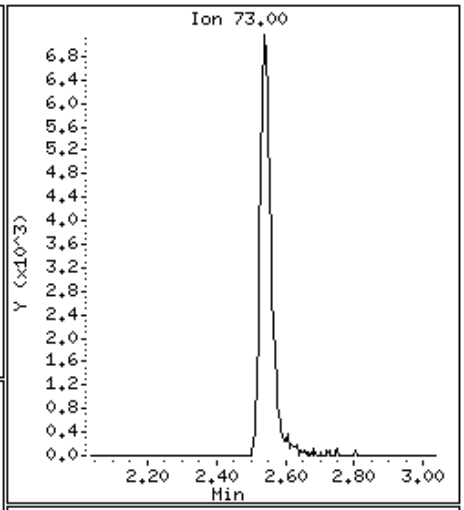
18 Methyl tert-butyl ether Concentration: 1.19 ug/l

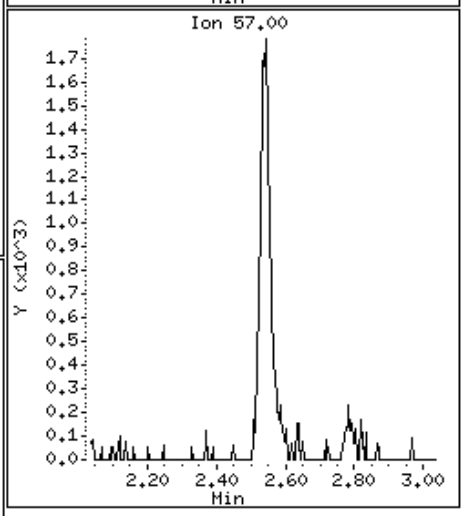












Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061721.D Page 6

Date : 17-JUN-2023 18:17

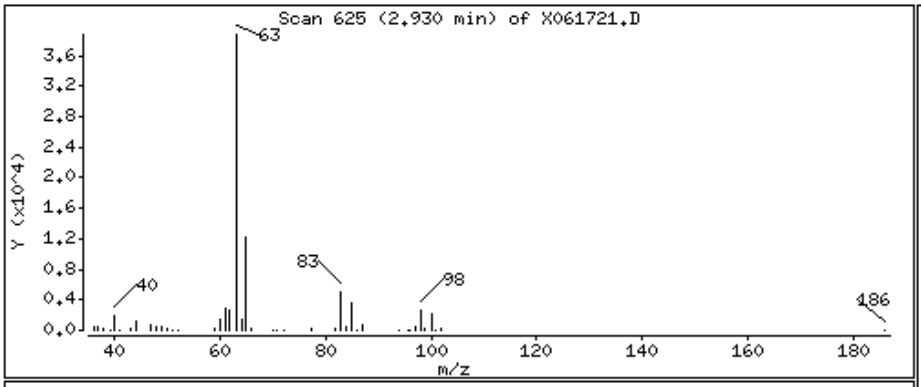
Client ID: HS23060722-09 Instrument: voa6.i

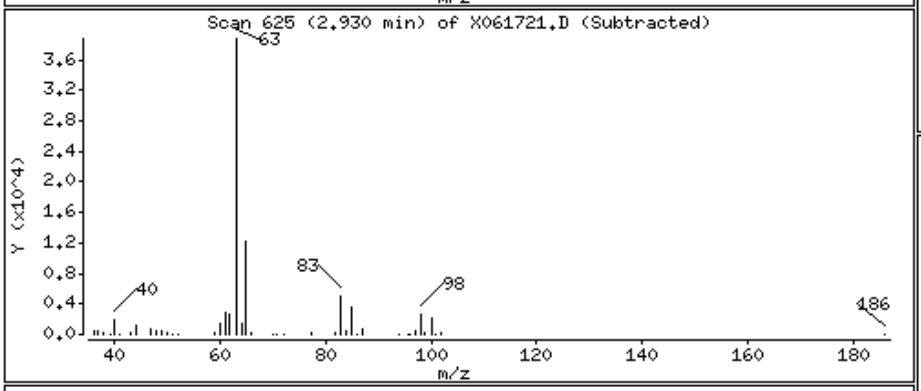
Sample Info: HS23060722-09;HS23060722-09;;;

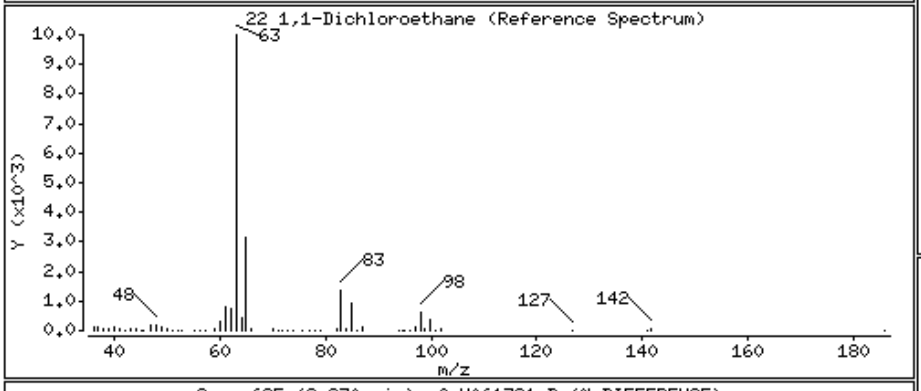
Purge Volume: 5.0 Operator: PC

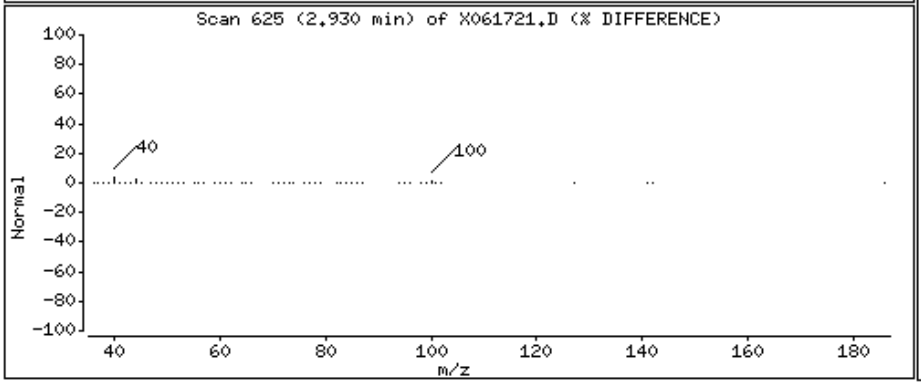
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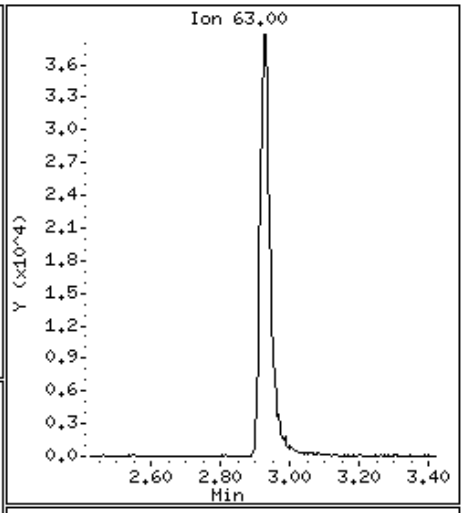
22 1,1-Dichloroethane Concentration: 9.90 ug/l

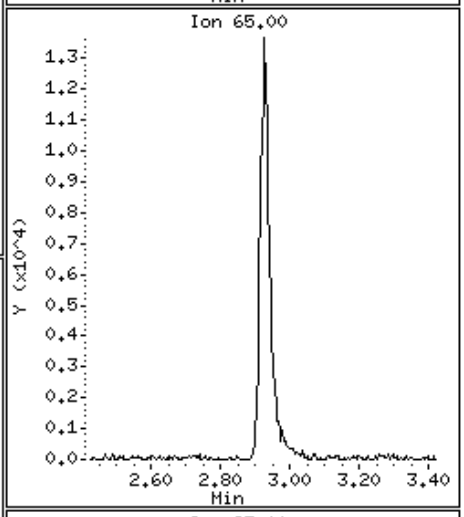


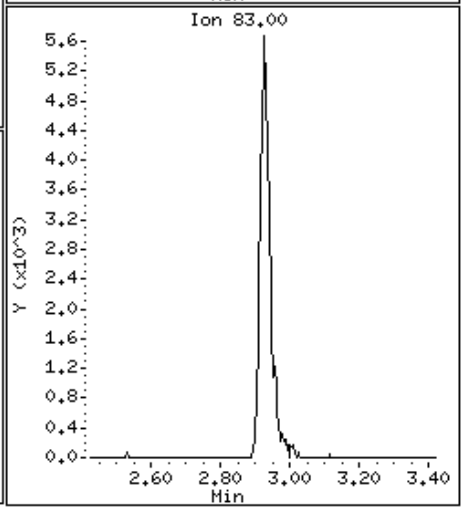












Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061721.D

Date : 17-JUN-2023 18:17

Client ID: HS23060722-09

Instrument: voa6.i

Sample Info: HS23060722-09;HS23060722-09;;;

Purge Volume: 5.0

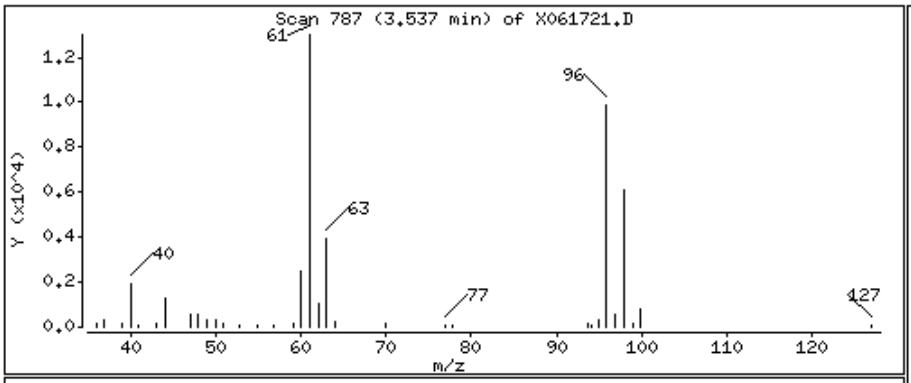
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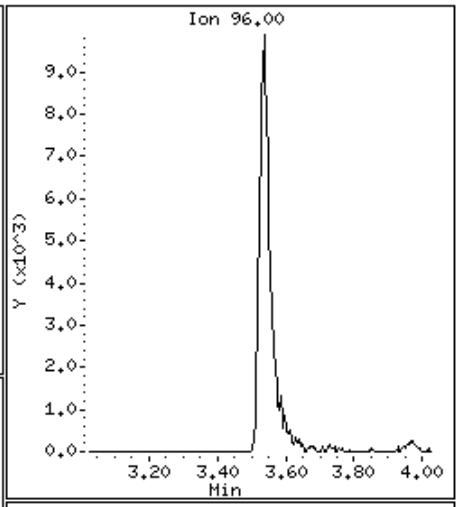
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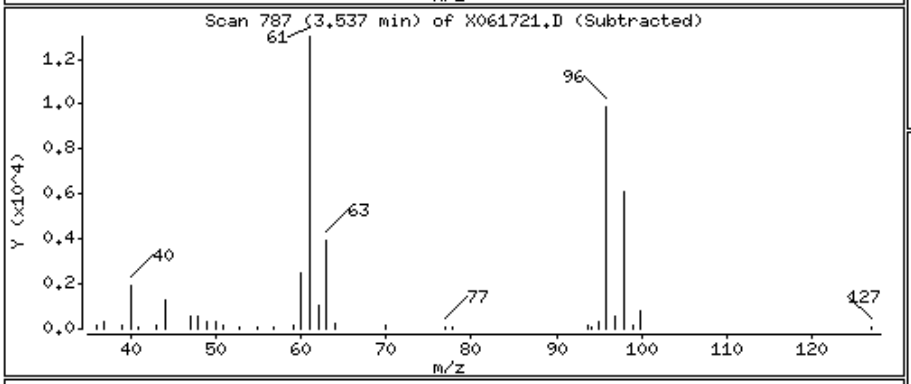
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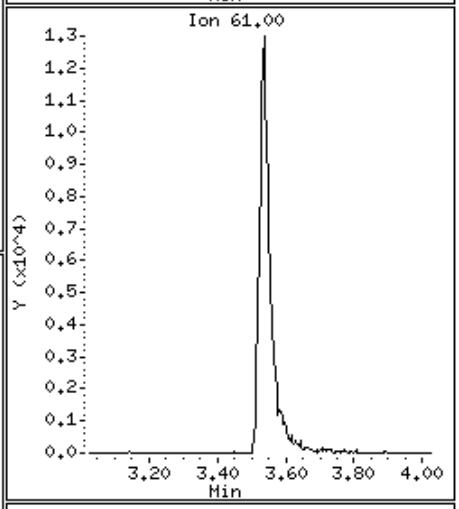
27 cis-1,2-Dichloroethene

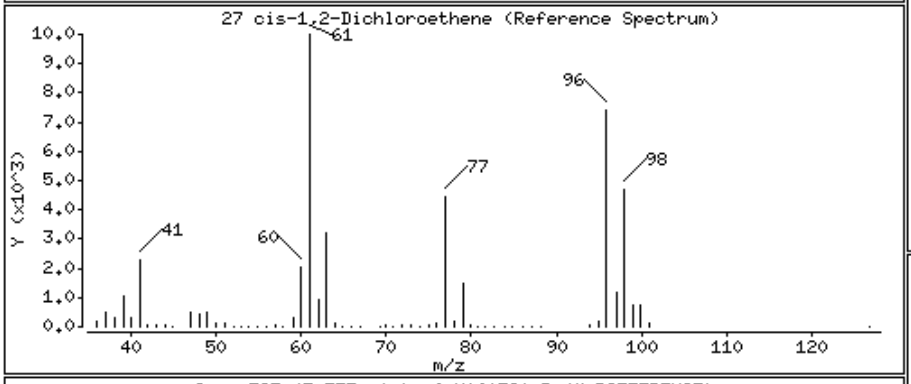
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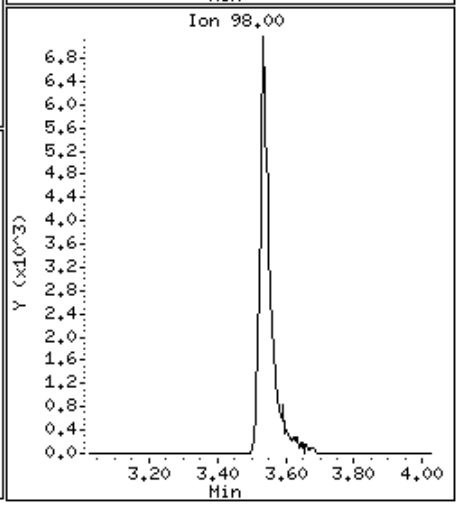


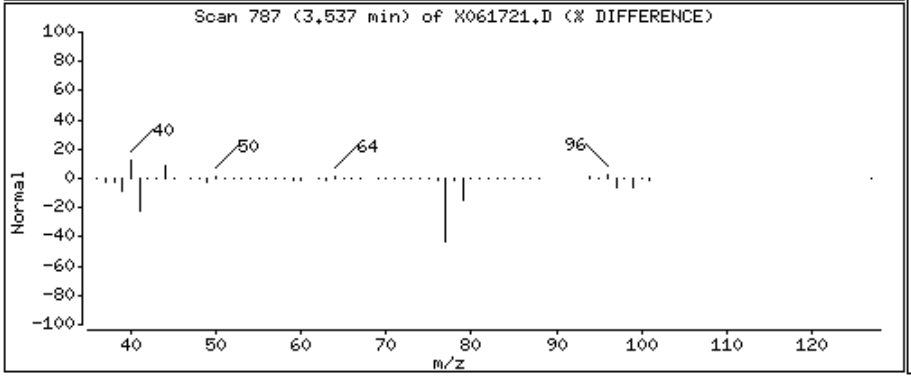












Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061721.D Page 8

Date : 17-JUN-2023 18:17

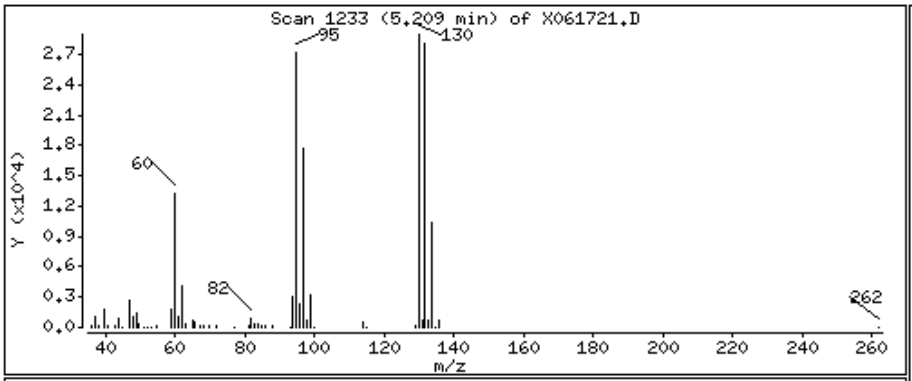
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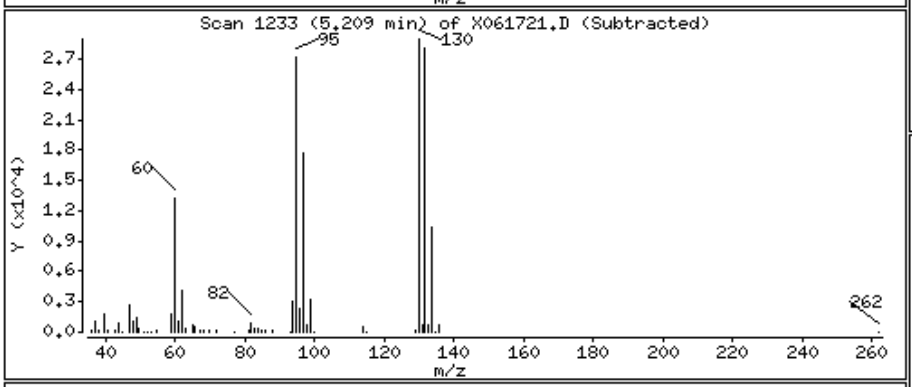
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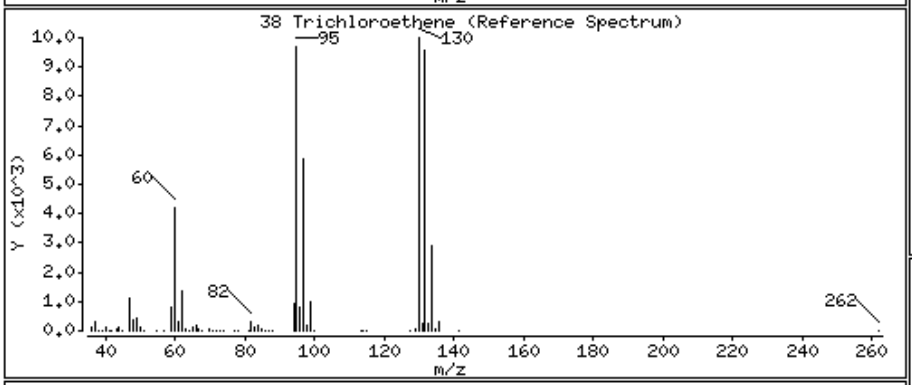
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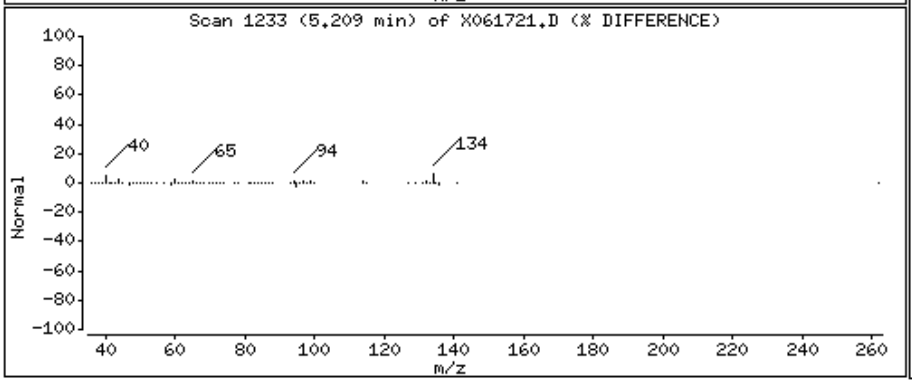
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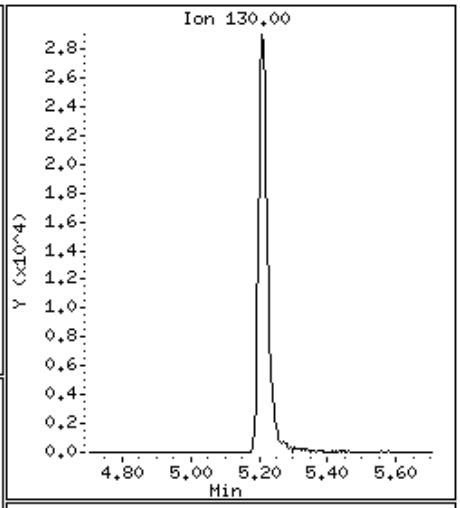
38 Trichloroethene Concentration: 10.40 ug/l

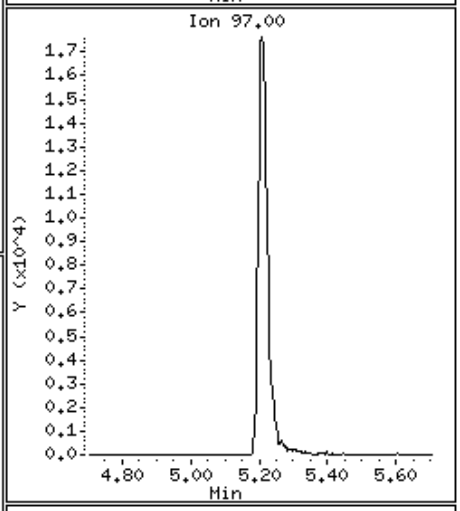


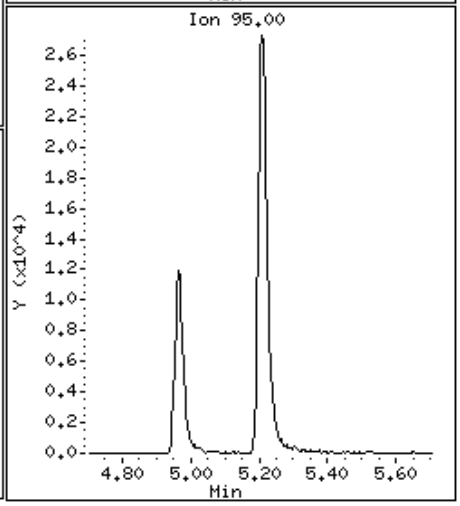












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Inj Date : 17-JUN-2023 18:17
InstruID : voa6.i
LabSampID : HS23060722-09

NO MANUAL INTEGRATIONS

Data File: \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061731.D Page 1
Report Date: 21-Jun-2023 15:59

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061731.D
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Inj Date : 17-JUN-2023 21:47
Operator : PC Inst ID: voa6.i
Smp Info : CCV-END;CCV-END;2;;
Misc Info : V6;WATER;0;1;
Comment   :
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Meth Date : 21-Jun-2023 15:59 voa6.i Quant Type: ISTD
Cal Date : 15-JUN-2023 13:42 Cal File: X061508.D
Als bottle: 29 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260_GB.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
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)
* 1 Pentafluorobenzene	168	4.181	4.181	(1.000)	462619	50.0000	
135 1,4-Dioxane	88	5.595	5.595	(1.338)	57320	1000.00	1022.40
140 1,3-Butadiene	54	1.167	1.167	(0.279)	189031	50.0000	49.30
25 Methacrylonitrile	41	3.825	3.825	(0.915)	205894	50.0000	53.93
12 Isobutyl Alcohol	43	4.672	4.672	(1.117)	631436	1000.00	1046.79
13 Acetonitrile	39	2.198	2.198	(0.526)	246934	500.000	550.31
14 Allyl Chloride	41	2.198	2.198	(0.526)	529916	50.0000	52.23
4 Propionitrile	54	3.649	3.649	(0.873)	306017	500.000	546.96
72 trans-1,4-Dichloro-2-butene	53	8.886	8.886	(1.159)	76918	50.0000	45.59
194 Acetaldehyde	44	1.216	1.216	(0.291)	49445	200.000	203.14(M)
23 Chloroprene	53	1.775	1.775	(0.424)	70395	50.0000	45.78(M)
130 Ethyl Acetate	43	3.656	3.656	(0.875)	233520	50.0000	49.51
40 Methyl Methacrylate	41	5.606	5.606	(1.341)	194634	50.0000	54.34
49 Ethyl Methacrylate	69	6.708	6.708	(1.351)	241406	50.0000	46.18
131 Methyl Acrylate	55	3.686	3.686	(0.882)	216237	50.0000	57.71
136 n-Hexane	57	2.772	2.772	(0.663)	204124	50.0000	48.28
156 Diisopropyl ether	45	3.000	3.000	(0.718)	685518	50.0000	50.24
166 1,2,3-Trimethylbenzene	105	9.729	9.729	(1.007)	932096	50.0000	50.38
2 Dichlorodifluoromethane	85	0.976	0.976	(0.234)	194068	50.0000	48.72
3 Chloromethane	50	1.081	1.081	(0.259)	219280	50.0000	44.94

5 Vinyl Chloride	62	1.145	1.145 (0.274)	234192	50.0000	48.20
6 Bromomethane	94	1.344	1.344 (0.321)	119407	50.0000	42.81

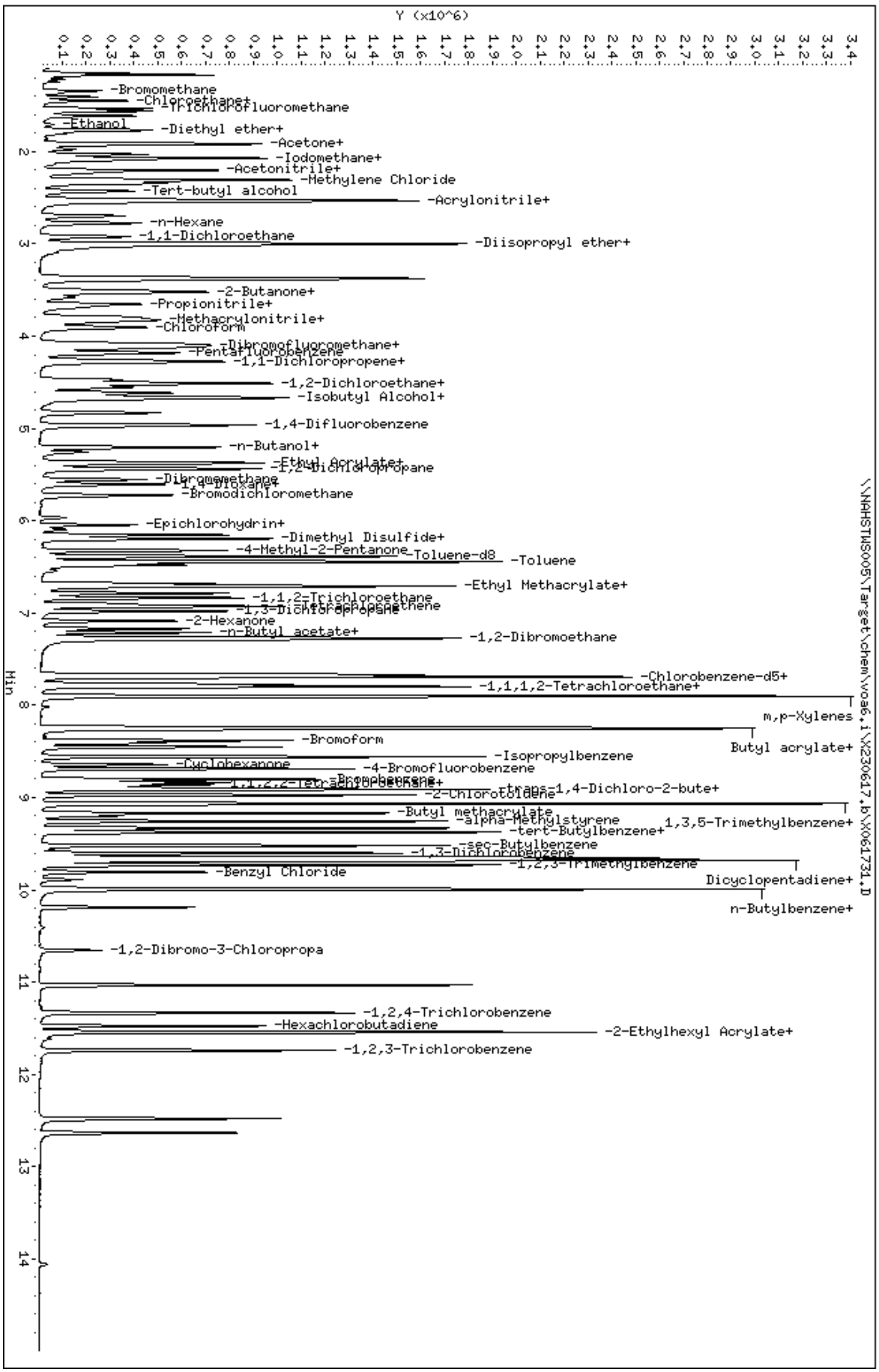
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	7 Chloroethane	64	1.407	1.407	(0.337)	146390	50.0000	49.29
	8 Trichlorofluoromethane	101	1.561	1.561	(0.373)	284829	50.0000	49.33
	9 Acrolein	56	1.449	1.449	(0.347)	27694	100.000	96.47
	10 Acetone	43	1.973	1.973	(0.472)	110038	100.000	91.19
	11 1,1-Dichloroethene	96	1.917	1.917	(0.459)	172561	50.0000	47.64
	15 Iodomethane	142	2.030	2.030	(0.485)	455970	100.000	76.66
	16 Acrylonitrile	53	2.536	2.536	(0.606)	150361	100.000	102.39
	17 Methylene Chloride	84	2.303	2.303	(0.551)	236275	50.0000	46.18
	18 Methyl tert-butyl ether	73	2.536	2.536	(0.606)	621489	50.0000	49.16
	19 Carbon Disulfide	76	2.071	2.071	(0.495)	1093384	100.000	84.78
	20 trans-1,2-Dichloroethene	96	2.528	2.528	(0.605)	206842	50.0000	47.72
	21 Vinyl Acetate	43	2.997	2.997	(0.717)	1252050	100.000	108.24
	22 1,1-Dichloroethane	63	2.922	2.922	(0.699)	386647	50.0000	49.52
	24 2-Butanone	43	3.578	3.578	(0.856)	155091	100.000	101.86
	26 2,2-Dichloropropane	77	3.507	3.507	(0.839)	284615	50.0000	46.19
	27 cis-1,2-Dichloroethene	96	3.525	3.525	(0.843)	242655	50.0000	48.55
	28 Chloroform	83	3.908	3.908	(0.935)	403122	50.0000	47.97
	29 Bromochloromethane	128	3.795	3.795	(0.908)	126855	50.0000	47.63
$	30 Dibromofluoromethane	113	4.099	4.099	(0.980)	226451	50.0000	54.84
	31 1,1,1-Trichloroethane	97	4.080	4.080	(0.976)	327951	50.0000	48.28
	32 1,1-Dichloropropene	75	4.279	4.279	(0.862)	290800	50.0000	47.59
	33 1,2-Dichloroethane	62	4.556	4.556	(0.918)	309966	50.0000	50.62
	34 Carbon Tetrachloride	117	4.264	4.264	(0.859)	273057	50.0000	46.46
$	35 1,2-Dichloroethane-d4	65	4.470	4.470	(1.069)	247688	50.0000	55.63
*	36 1,4-Difluorobenzene	114	4.965	4.965	(1.000)	729195	50.0000	
	37 Benzene	78	4.511	4.511	(0.909)	892906	50.0000	47.60
	38 Trichloroethene	130	5.205	5.205	(1.048)	243193	50.0000	47.02
	39 Bromodichloromethane	83	5.726	5.726	(1.153)	315845	50.0000	47.60
	41 2-Chloroethylvinyl ether	63	6.048	6.048	(1.218)	159282	100.000	88.71
	42 1,2-Dichloropropane	63	5.433	5.433	(1.094)	240094	50.0000	48.76
	44 Dibromomethane	93	5.550	5.550	(1.118)	151535	50.0000	49.03
	45 4-Methyl-2-Pentanone	43	6.325	6.325	(0.825)	445705	100.000	99.54
	46 cis-1,3-Dichloropropene	75	6.153	6.153	(1.239)	396451	50.0000	48.46
*	47 Chlorobenzene-d5	117	7.668	7.668	(1.000)	693141	50.0000	
$	48 Toluene-d8	98	6.385	6.385	(0.833)	860569	50.0000	49.10
	50 Toluene	91	6.445	6.445	(0.841)	974144	50.0000	47.87
	51 trans-1,3-Dichloropropene	75	6.678	6.678	(1.345)	334782	50.0000	48.91
	52 2-Hexanone	43	7.086	7.086	(0.924)	301856	100.000	100.92
	53 1,1,2-Trichloroethane	83	6.839	6.839	(0.892)	186834	50.0000	47.12
	54 1,3-Dichloropropane	76	6.981	6.981	(0.911)	385958	50.0000	48.15
	55 Dibromochloromethane	129	7.173	7.173	(0.935)	267108	50.0000	47.54
	56 Tetrachloroethene	164	6.925	6.925	(0.903)	186044	50.0000	44.46
	57 1,2-Dibromoethane	107	7.259	7.259	(0.947)	239837	50.0000	47.33
	58 1-Chlorohexane	55	7.694	7.694	(1.550)	194577	50.0000	43.87
	59 Chlorobenzene	112	7.694	7.694	(1.003)	651277	50.0000	46.77
	60 1,1,1,2-Tetrachloroethane	131	7.772	7.772	(1.014)	243230	50.0000	46.84
	61 Ethylbenzene	106	7.799	7.799	(1.017)	327657	50.0000	45.67
	62 m,p-Xylenes	106	7.904	7.904	(1.031)	833393	100.000	94.20
	63 o-Xylene	106	8.241	8.241	(1.075)	406505	50.0000	46.05
	64 Styrene	104	8.256	8.256	(1.077)	697364	50.0000	47.96
	66 Bromoform	173	8.410	8.410	(1.097)	186020	50.0000	47.49
	67 Isopropylbenzene	105	8.560	8.560	(1.116)	995856	50.0000	45.64

	68 1,1,2,2-Tetrachloroethane	83	8.837	8.837 (0.915)	317839	50.0000	46.44
$	69 4-Bromofluorobenzene	95	8.687	8.687 (1.133)	345106	50.0000	51.00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
*	70 1,4-Dichlorobenzene-d4	152	9.662	9.662	(1.000)	389222	50.0000	
	71 1,2,3-Trichloropropane	75	8.863	8.863	(0.917)	245366	50.0000	49.99(M)
	73 n-Propylbenzene	91	8.912	8.912	(0.922)	1175265	50.0000	45.88
	74 Bromobenzene	156	8.803	8.803	(0.911)	295674	50.0000	46.60
	75 1,3,5-Trimethylbenzene	105	9.066	9.066	(0.938)	862783	50.0000	45.90
	76 2-Chlorotoluene	91	8.972	8.972	(0.929)	730219	50.0000	44.89
	77 4-Chlorotoluene	91	9.069	9.069	(0.939)	848562	50.0000	46.77
	78 tert-Butylbenzene	119	9.332	9.332	(0.966)	708442	50.0000	45.24
	79 1,2,4-Trimethylbenzene	105	9.377	9.377	(0.971)	871521	50.0000	45.96
	81 sec-Butylbenzene	105	9.519	9.519	(0.985)	990278	50.0000	44.84
	82 p-Isopropyltoluene	119	9.647	9.647	(0.998)	873237	50.0000	45.16
	83 1,3-Dichlorobenzene	146	9.602	9.602	(0.994)	515988	50.0000	45.68
	84 1,4-Dichlorobenzene	146	9.681	9.681	(1.002)	536866	50.0000	44.40
	87 n-Butylbenzene	91	9.992	9.992	(1.034)	770750	50.0000	46.80
	88 1,2-Dichlorobenzene	146	9.992	9.992	(1.034)	511678	50.0000	45.65
	89 1,2-Dibromo-3-Chloropropane	155	10.655	10.655	(1.103)	53813	50.0000	48.18
	90 1,2,4-Trichlorobenzene	180	11.334	11.334	(1.173)	366585	50.0000	47.01
	91 Hexachlorobutadiene	225	11.476	11.476	(1.188)	155725	50.0000	44.49
	92 Naphthalene	128	11.540	11.540	(1.194)	880392	50.0000	50.16
	93 1,2,3-Trichlorobenzene	180	11.739	11.739	(1.215)	343572	50.0000	47.89
M	94 1,2-Dichloroethylene (total)	96				449497	100.000	(a)
	141 Cyclohexane	56	4.121	4.121	(0.986)	297069	50.0000	50.37
	138 Freon TF	101	1.917	1.917	(0.459)	161472	50.0000	50.16
	147 Methylcyclohexane	55	5.381	5.381	(1.084)	543249	50.0000	53.30
	146 Methyl Acetate	43	2.232	2.232	(0.534)	148262	50.0000	54.14
	148 Tert-Butyl alcohol	59	2.431	2.431	(0.581)	442097	1000.00	930.61
	149 Isopropyl Alcohol	45	2.097	2.097	(0.502)	242430	1000.00	924.52

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.



Data File: \\NAHSTWS005\Target\chem\voa6,i\X230617,b\X061731.D
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Client ID: CCV-END
Sample Info: CCV-END;CCV-END;2;;
Purge Volume: 5.0
Column phase: DB624

Instrument: voa6,i
Operator: PC
Column diameter: 0.18

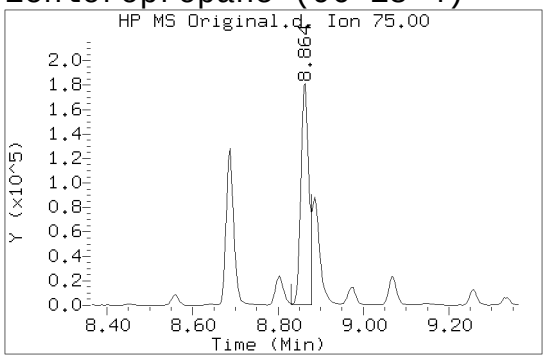
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Inj Date : 17-JUN-2023 21:47
InstruID : voa6.i
LabSampID : CCV-END

1,2,3-Trichloropropane (96-18-4)

Reason Code:

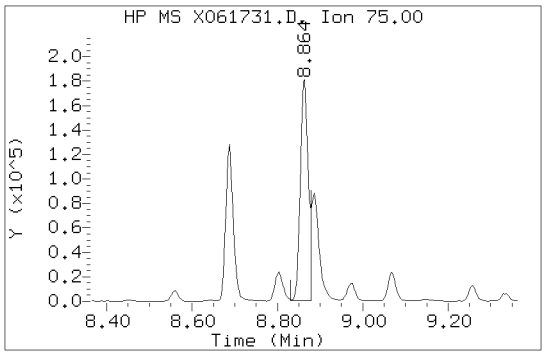
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MASS
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AREA
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HEIGHT
180734
20-Jun-2023
17:15
linh
pham



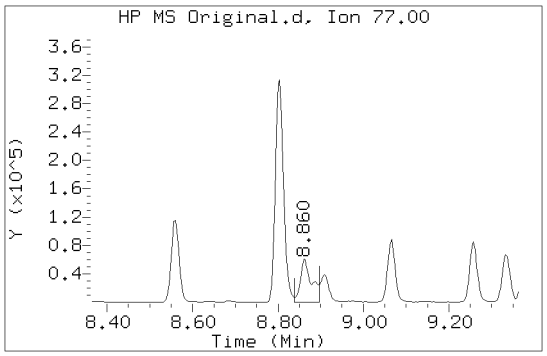
AFTER

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21-Jun-2023
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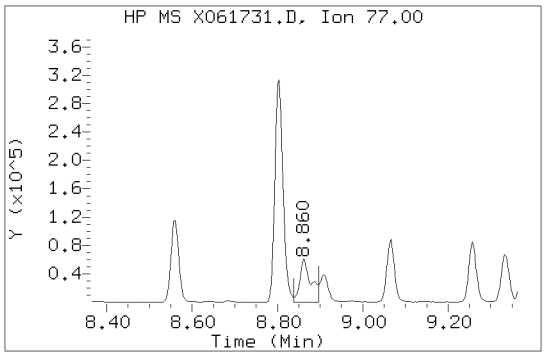
BEFORE

MASS
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AREA
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HEIGHT
60225
20-Jun-2023
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AFTER

MASS
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21-Jun-2023
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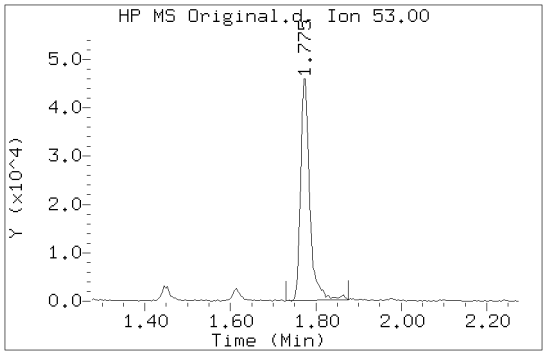


Chloroprene (126-99-8)

Reason Code:

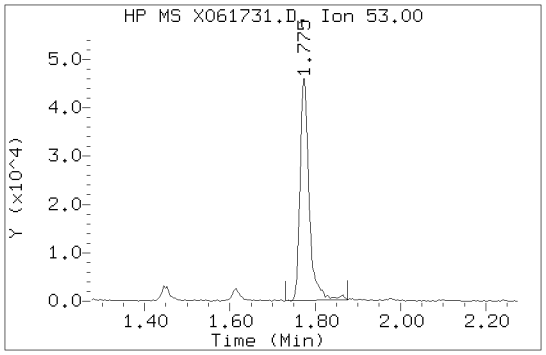
BEFORE

MASS
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20-Jun-2023
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pham



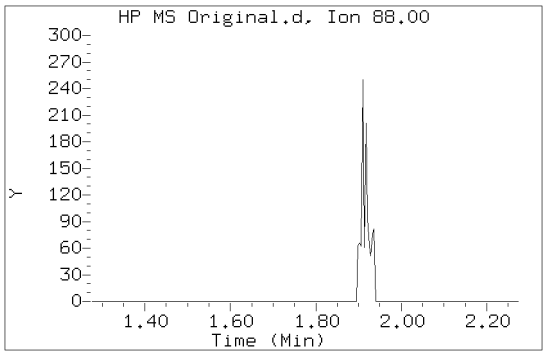
AFTER

MASS
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AREA
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linh
pham



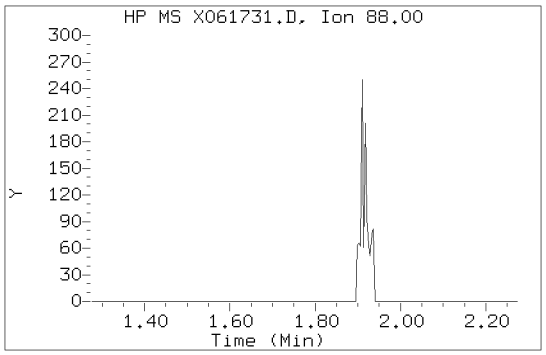
BEFORE

MASS
88
AREA
0
HEIGHT
0
20-Jun-2023
17:15
linh
pham



AFTER

MASS
88
AREA
0
HEIGHT
0
21-Jun-2023
15:59
linh
pham

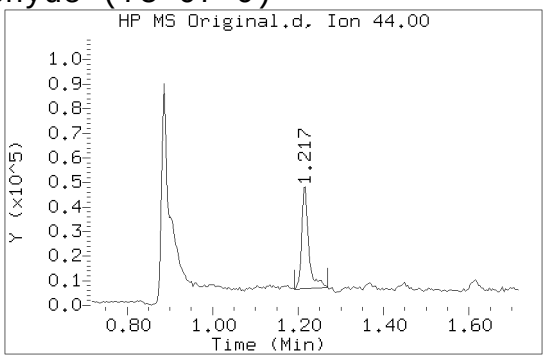


Data File : \\NAHSTWS005\Target\chem\voa6.i\X230617.b\X061731.D
Inj Date : 17-JUN-2023 21:47
InstruID : voa6.i
LabSampID : CCV-END

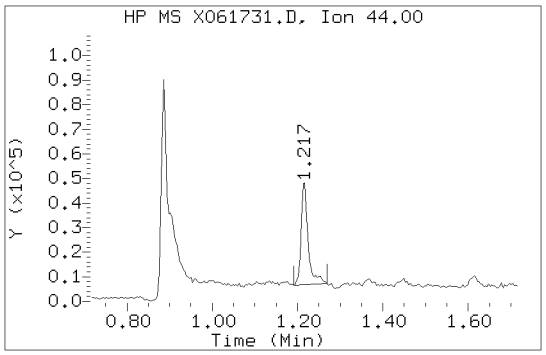
Acetaldehyde (75-07-0)

Reason Code:

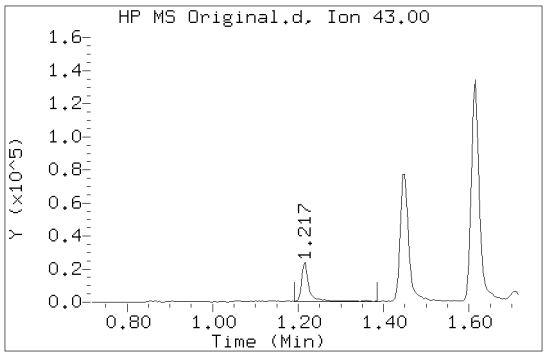
BEFORE
MASS
44
AREA
49445
HEIGHT
41525
20-Jun-2023
17:15
linh
pham



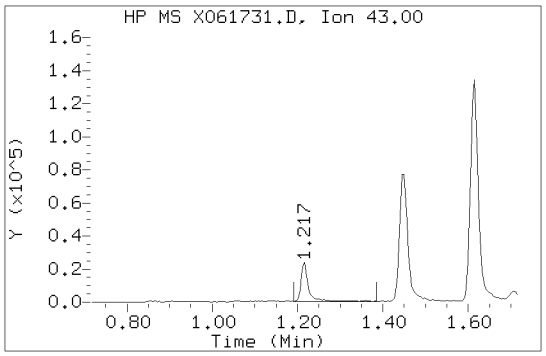
AFTER
MASS
44
AREA
49445
HEIGHT
41525
21-Jun-2023
15:59
linh
pham



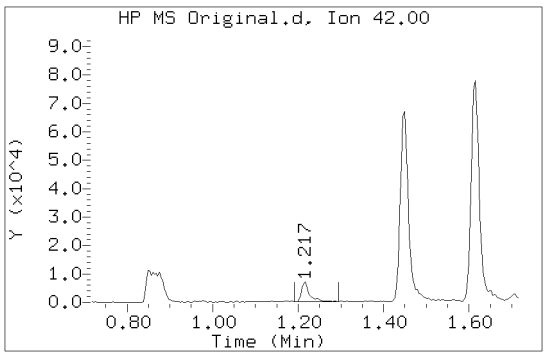
BEFORE
MASS
43
AREA
30301
HEIGHT
23580
20-Jun-2023
17:15
linh
pham



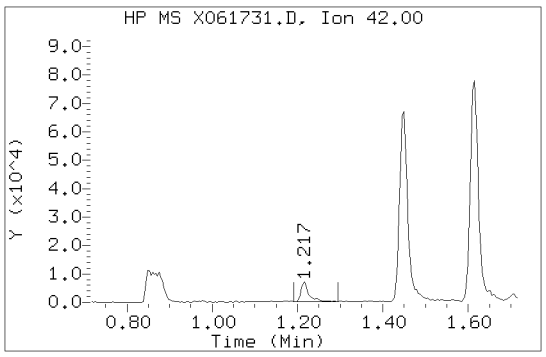
AFTER
MASS
43
AREA
30301
HEIGHT
23580
21-Jun-2023
15:59
linh
pham



BEFORE
MASS
42
AREA
9531
HEIGHT
6998
20-Jun-2023
17:15
linh
pham



AFTER
MASS
42
AREA
9531
HEIGHT
6998
21-Jun-2023
15:59
linh
pham



HS23060722 - ME - ICP_W_DOD

ALS WO# HS23060722

ALS Houston, US Date: 29-Jun-23

Form 11 - INTERNAL STANDARD ASSOCIATION

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060722

Instrument:ICPMS06

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: 29-Jun-23

FORM 13 - ANALYSIS RUN LOG

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060722
Start Date: 28-Jun-2023 End Date: 28-Jun-2023

Run ID:ICPMS06_440069
Instrument:ICPMS06
Method:

Sample No.	D/F	Time	FileID	Analytes
ICPMS06_440069_Tune	1	28-Jun-2023 00:00	ICPMS06_440069_Tune_1	
CAL BLK	1	28-Jun-2023 10:39	013CALB.d_7389561	AS
2/10/200	1	28-Jun-2023 10:41	014CALS.d_7389562	AS
5/25/500	1	28-Jun-2023 10:43	015CALS.d_7389563	AS
10/50/100	1	28-Jun-2023 10:45	016CALS.d_7389564	AS
100/500/10K	1	28-Jun-2023 10:47	017CALS.d_7389565	AS
200/1000/20K	1	28-Jun-2023 10:48	018CALS.d_7389566	AS
ICV	1	28-Jun-2023 10:54	020_ICV.d_7389568	AS
LLICV2	1	28-Jun-2023 10:58	022LCV2.d_7389570	AS
ICB	1	28-Jun-2023 11:20	027_ICB.d_7389575	AS
LLICV5	1	28-Jun-2023 11:21	028LCV5.d_7389576	AS
ICSA	1	28-Jun-2023 11:26	030ICSA.d_7389615	AS
ICSAB	1	28-Jun-2023 11:28	031ICSB.d_7389616	AS
CAL BLK	1	28-Jun-2023 13:20	085CALB.d_7390387	AS
2/10/200	1	28-Jun-2023 13:22	086CALS.d_7390388	AS
5/25/500	1	28-Jun-2023 13:24	087CALS.d_7390389	AS
10/50/100	1	28-Jun-2023 13:26	088CALS.d_7390390	AS
100/500/10K	1	28-Jun-2023 13:28	089CALS.d_7390391	AS
200/1000/20K	1	28-Jun-2023 13:29	090CALS.d_7390392	AS
ICCB 1	1	28-Jun-2023 13:39	095_ICB.d_7390397	AS
LLCCV2	1	28-Jun-2023 13:45	097LCV2.d_7390399	AS
LLCCV5	1	28-Jun-2023 13:47	098LCV5.d_7390400	AS
ICV	1	28-Jun-2023 13:49	099_ICV.d_7390401	AS
CCV 1	1	28-Jun-2023 16:34	174_CCV.d_7391177	AS
CCB 2	1	28-Jun-2023 16:36	175_CCB.d_7391178	AS
MBLK-196608	1	28-Jun-2023 16:37	176SMPL.d_7391179	AS
LCS-196608	1	28-Jun-2023 16:39	177SMPL.d_7391180	AS
LHSMW06_060723	1	28-Jun-2023 16:41	178SMPL.d_7391181	AS
LHSMW06_060723SD	5	28-Jun-2023 16:43	179SMPL.d_7391182	AS
LHSMW06_060723MS	1	28-Jun-2023 16:45	180SMPL.d_7391183	AS
LHSMW06_060723MSD	1	28-Jun-2023 16:47	181SMPL.d_7391184	AS
LHSMW06_060723PDS	1	28-Jun-2023 16:49	182SMPL.d_7391185	AS
CCV 2	1	28-Jun-2023 16:57	185_CCV.d_7391188	AS
CCB 3	1	28-Jun-2023 16:59	186_CCB.d_7391189	AS
LHSMW06_060723.a	1	28-Jun-2023 17:01	187SMPL.d_7391190	AS
CCB 4	1	28-Jun-2023 17:22	198_CCB.d_7391288	AS
CCV 3	1	28-Jun-2023 17:42	201_CCV.d_7391291	AS
CCV 4	1	28-Jun-2023 17:44	202_CCV.d_7391292	AS
LCS-196608	1	28-Jun-2023 17:56	208SMPL.d_7391298	
LHSMW06_060723SD	25	28-Jun-2023 18:00	210SMPL.d_7391300	
CCV 5	1	28-Jun-2023 18:02	211_CCV.d_7391301	AS
CCB 5	1	28-Jun-2023 18:04	212_CCB.d_7391302	AS
LHSMW06_060723PDS	5	28-Jun-2023 18:06	213SMPL.d_7391303	
CCV 6	1	28-Jun-2023 18:33	222_CCV.d_7391317	AS
CCB 6	1	28-Jun-2023 18:34	223_CCB.d_7391318	AS

ALS Houston, US Date: 29-Jun-23

Form 2 - Initial and Continuing Calibration Verification

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060722

Run ID: ICPMS06_440069
Instrument: ICPMS06
Method: SW6020A

ICV Date: 28-Jun-2023 10:54 Seq: 7389568 ICV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Arsenic	100	98.319	98	90-110	

ICV Date: 28-Jun-2023 13:49 Seq: 7390401 ICV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Arsenic	100	102.072	102	90-110	

CCV1 Date: 28-Jun-2023 16:34 Seq: 7391177 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Arsenic	100	96.01	96	90-110	

CCV2 Date: 28-Jun-2023 16:57 Seq: 7391188 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Arsenic	100	99.976	100	90-110	

CCV3 Date: 28-Jun-2023 17:42 Seq: 7391291 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Arsenic	100	100.253	100	90-110	

CCV4 Date: 28-Jun-2023 17:44 Seq: 7391292 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Arsenic	100	100.133	100	90-110	

CCV5 Date: 28-Jun-2023 18:02 Seq: 7391301 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Arsenic	100	99.548	100	90-110	

CCV6 Date: 28-Jun-2023 18:33 Seq: 7391317 CCV Units: ug/L

Analyte	True	Found	%R	Control Limits	Flag
Arsenic	100	100.388	100	90-110	

ALS Houston, US Date: 29-Jun-23

Form 3 - BLANKS

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060722

Run ID: ICPMS06_440069
Instrument: ICPMS06
Method: SW6020A

ICB	Date: 28-Jun-2023 11:20		Seq: 7389575	ICB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Arsenic	5	0.4	5	U	

ICCB1	Date: 28-Jun-2023 13:39		Seq: 7390397	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Arsenic	5	0.4	5	U	

CCB2	Date: 28-Jun-2023 16:36		Seq: 7391178	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Arsenic	2	0.4	2	U	

MBLK-196608	Date: 28-Jun-2023 16:37		Seq: 7391179	MBLK	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Arsenic	5	0.4	5	U	

CCB3	Date: 28-Jun-2023 16:59		Seq: 7391189	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Arsenic	2	0.4	2	U	

CCB4	Date: 28-Jun-2023 17:22		Seq: 7391288	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Arsenic	2	0.4	2	U	

CCB5	Date: 28-Jun-2023 18:04		Seq: 7391302	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Arsenic	2	0.4	2	U	

CCB6	Date: 28-Jun-2023 18:34		Seq: 7391318	CCB	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	**Qual**	
Arsenic	2	0.4	2	U	

ALS Houston, US Date: 29-Jun-23

Form 4 - ICP Interference Check Sample

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060722

Run ID: ICPMS06_440069
Instrument: ICPMS06
Method: SW6020A

ICSA	Date: 28-Jun-2023 11:26	Seq: 7389615	ICSA	Units: ug/L
Analyte	**True**	**Found**	**%R**	
Arsenic		0.17	0	

ICSAB	Date: 28-Jun-2023 11:28	Seq: 7389616	ICSAB	Units: ug/L
Analyte	**True**	**Found**	**%R**	
Arsenic	100	100.1	100	

ALS Houston, US

Date: 29-Jun-23

Form 5A - Matrix Spike/Matrix Spike Duplicate Recovery

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060722

Date Analyzed: 28-Jun-2023 16:47
Date Extracted: 22-Jun-2023 14:30
Units: ug/L

Matrix Spike: HS23060722-06MS
Client Sample ID: LHSMW06_060723

Analysis Method: SW6020A

Analyte	Sample Result	MS Result	Spike Amount	% Rec	MSD Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Arsenic	0.4660	49.58	50.00	98.2	48.82	50.00	96.7	84-116	1.54	20

ALS Houston, US Date: 29-Jun-23

Form 5B - Post Digest Sample Recovery

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060722

Date Analyzed: 28-Jun-2023 16:49
Date Extracted: 22-Jun-2023 14:30
Units: ug/L

Lab Sample ID: HS23060722-06PDS
Client Sample ID: LHSMW06_060723

Analysis Method: SW6020A

Analyte	Sample Result	PDS Result	Spike Amount	% Rec	% Rec Limits
Arsenic	0.466	97.54	100	97	80-120

ALS Houston, US

Date: 29-Jun-23

Form 7 - Laboratory Control Sample

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060722

Date Analyzed: 28-Jun-2023 16:39
Date Extracted: 22-Jun-2023 14:30
Units: ug/L

Lab Sample ID: LCS-196608
Analysis Method: SW6020A

Analyte	Spike Amount	LCS Result	% Rec	% Rec Limits
Arsenic	50	47.48	95	84-116

ALS Houston, US

Date: 29-Jun-23

Form 8 - ICP Serial Dilutions

Client: Bhate Environmental Associates, Inc.
Project: LHAAP-58
WorkOrder: HS23060722

Date Analyzed: 28-Jun-2023 16:43
Date Extracted: 22-Jun-2023 14:30
Units: ug/L

Lab Sample ID: HS23060722-06SD
Client Sample ID:LHSMW06_060723

Analysis Method: SW6020A

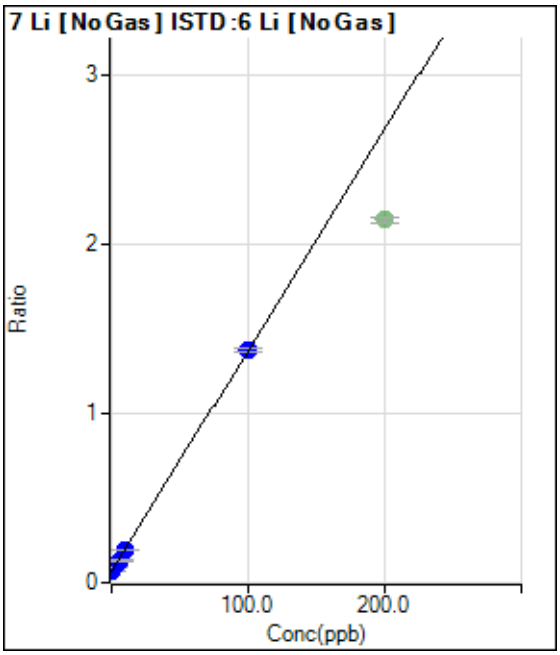
Analyte	Sample Result	C	SD Result	C	RPD	Q
Arsenic	0.466	J	0	U	0	

Calibration for 092_ICV.d

Batch Folder: C:\Agilent\ICPMH\1\DATA\062823A.b\
Analysis File: 062823A.batch.bin
DA Date-Time: 6/28/2023 1:34:55 PM
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	085CALB.d	CAL BLK	6/28/2023 1:20:35 PM
2	086CALS.d	2/10/200	6/28/2023 1:22:27 PM
3	087CALS.d	5/25/500	6/28/2023 1:24:19 PM
4	088CALS.d	10/50/100	6/28/2023 1:26:11 PM
5	089CALS.d	100/500/10K	6/28/2023 1:28:03 PM
6	090CALS.d	200/1000/20K	6/28/2023 1:29:52 PM

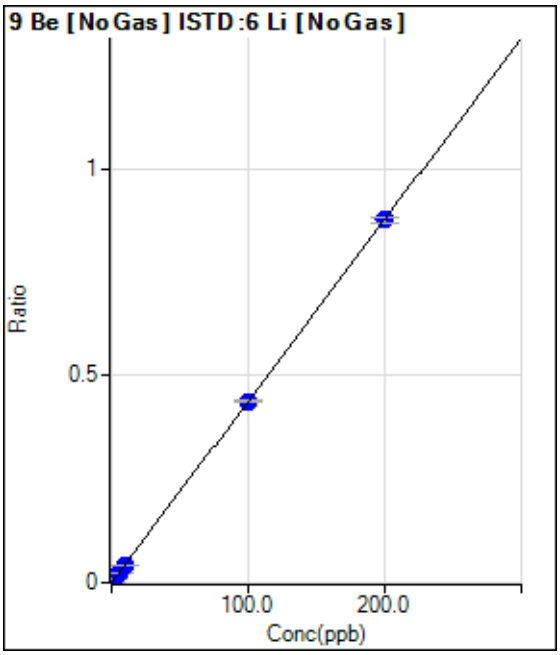
Calibration for 092_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	31333.11	0.0665	P	0.7
2	☐	2.000	1.969	43811.16	0.0922	P	1.7
3	☐	5.000	4.884	61762.87	0.1302	P	0.9
4	☐	10.000	9.842	91539.93	0.1949	P	0.5
5	☐	100.000	100.022	613673.22	1.3716	P	1.5
6	☑	200.000		926336.49	2.1446	A	1.3

y = 0.0130 * x + 0.0665
R = 1.0000
DL = 0.1041
BEC = 5.098

Weight: <None>
Min Conc: <None>

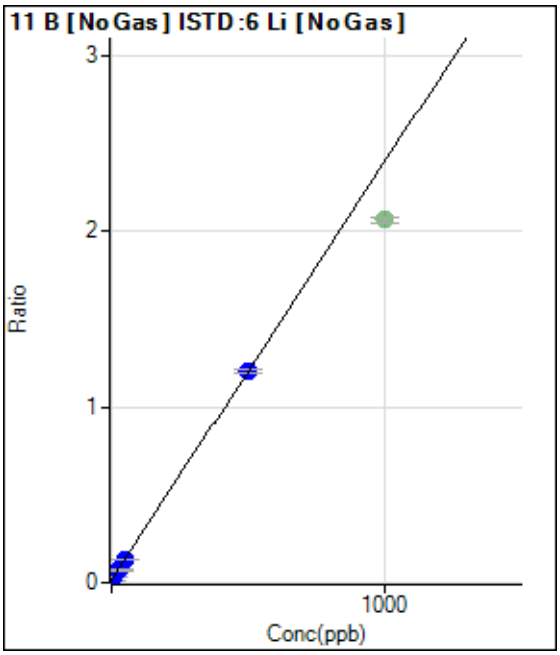


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	30.00	0.0001	P	1.3
2	☐	2.000	1.930	4052.28	0.0085	P	1.7
3	☐	5.000	4.915	10252.13	0.0216	P	2.9
4	☐	10.000	9.728	20064.37	0.0427	P	1.9
5	☐	100.000	100.070	196430.11	0.4390	P	1.1
6	☐	200.000	199.981	378841.74	0.8773	P	1.8

y = 0.0044 * x + 6.3698E-005
R = 1.0000
DL = 0.0005568
BEC = 0.01452

Weight: <None>
Min Conc: <None>

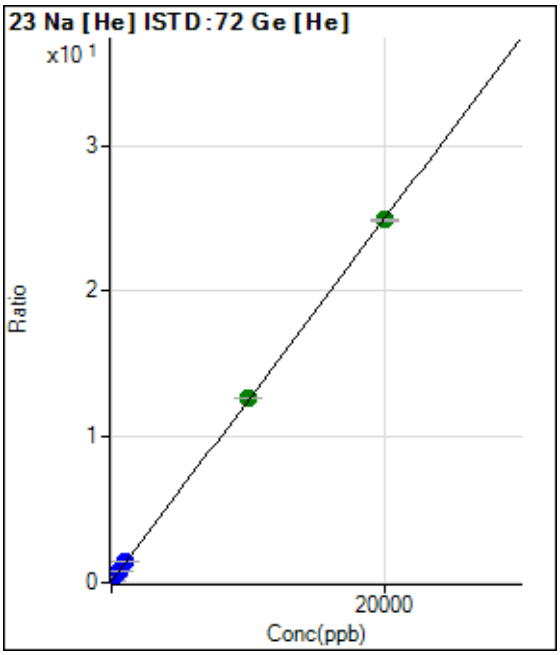
Calibration for 092_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6970.11	0.0148	P	3.5
2	☐	10.000	9.349	17607.78	0.0371	P	1.7
3	☐	25.000	24.047	34164.87	0.0721	P	3.2
4	☐	50.000	48.896	61612.69	0.1312	P	0.9
5	☐	500.000	500.171	539390.25	1.2056	P	1.6
6	☑	1000.000		892704.81	2.0671	A	1.7

y = 0.0024 * x + 0.0148
R = 1.0000
DL = 0.6567
BEC = 6.217

Weight: <None>
Min Conc: <None>

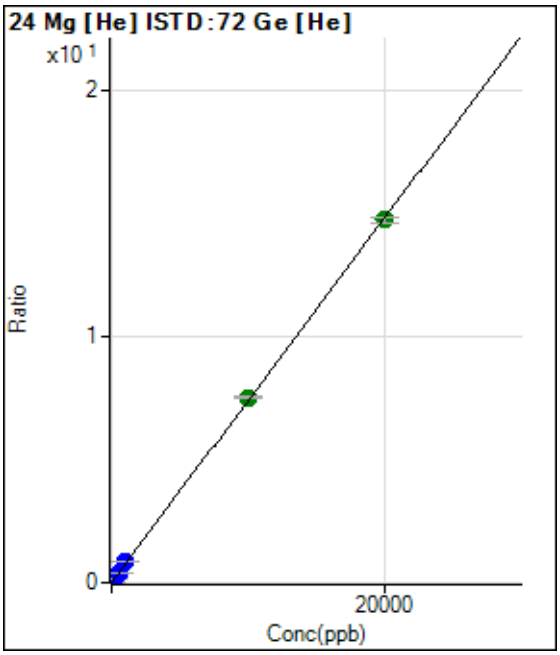


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	35468.72	0.0750	P	3.2
2	☐	200.000	222.904	165302.69	0.3524	P	0.5
3	☐	500.000	558.268	363672.34	0.7696	P	1.0
4	☐	1000.000	1112.700	682270.12	1.4593	P	0.2
5	☐	10000.000	10093.868	5782029.50	12.6327	A	0.5
6	☐	20000.000	19945.745	10975425.67	24.8892	A	0.7

y = 0.0012 * x + 0.0750
R = 1.0000
DL = 5.824
BEC = 60.32

Weight: <None>
Min Conc: <None>

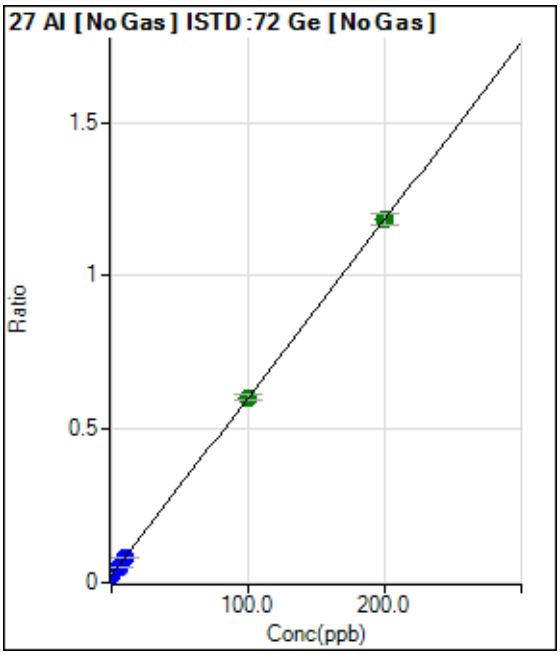
Calibration for 092_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1973.51	0.0042	P	10.1
2	☐	200.000	230.506	82017.10	0.1748	P	0.4
3	☐	500.000	565.884	199967.46	0.4231	P	1.5
4	☐	1000.000	1131.190	393465.30	0.8416	P	0.3
5	☐	10000.000	10165.700	3446519.84	7.5299	A	0.7
6	☐	20000.000	19908.638	6500638.24	14.7426	A	1.5

y = 7.4030E-004 * x + 0.0042
R = 0.9999
DL = 1.706
BEC = 5.642

Weight: <None>
Min Conc: <None>

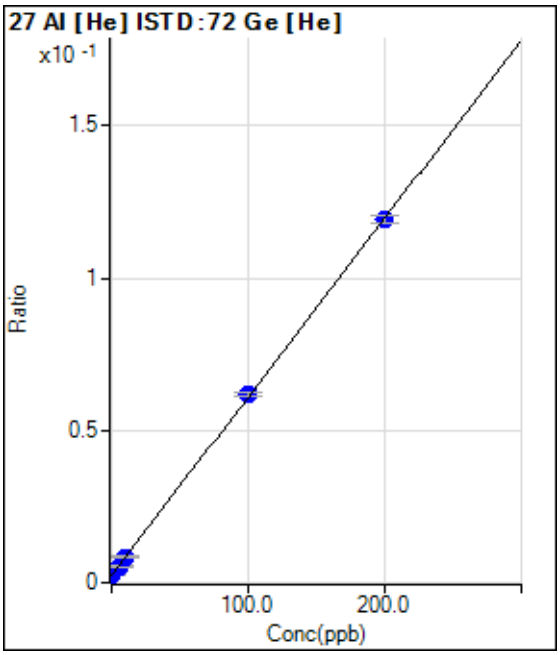


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	37310.29	0.0244	P	4.4
2	☐	2.000	1.770	54128.67	0.0346	P	2.6
3	☐	5.000	4.309	77324.11	0.0493	P	1.1
4	☐	10.000	9.518	123928.05	0.0795	P	1.4
5	☐	100.000	100.151	915608.66	0.6042	A	2.6
6	☐	200.000	199.968	1721783.46	1.1820	A	3.2

y = 0.0058 * x + 0.0244
R = 1.0000
DL = 0.5506
BEC = 4.21

Weight: <None>
Min Conc: <None>

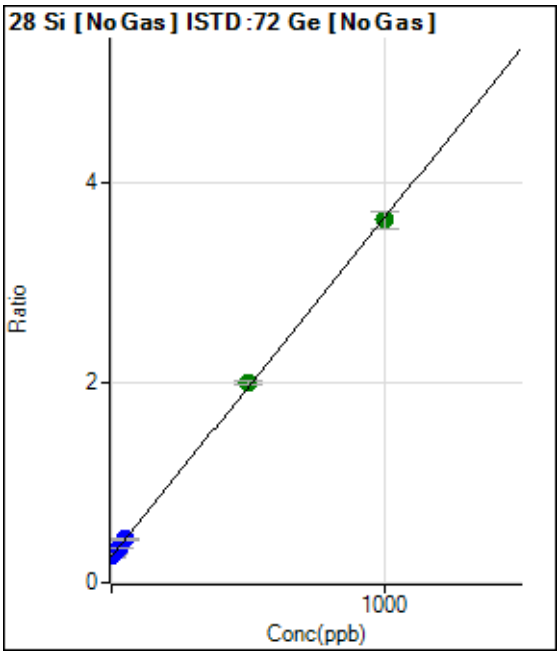
Calibration for 092_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1123.40	0.0024	P	9.9
2	☐	2.000	2.505	1803.52	0.0038	P	6.1
3	☐	5.000	4.881	2473.60	0.0052	P	10.8
4	☐	10.000	9.968	3840.61	0.0082	P	7.9
5	☐	100.000	101.392	28255.68	0.0617	P	1.6
6	☐	200.000	199.304	52488.90	0.1190	P	2.1

y = 5.8537E-004 * x + 0.0024
R = 1.0000
DL = 1.21
BEC = 4.064

Weight: <None>
Min Conc: <None>

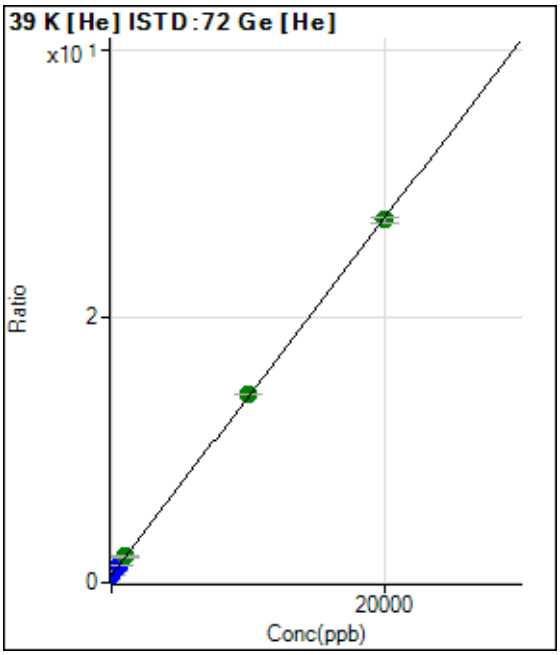


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	401993.66	0.2625	P	2.4
2	☐	10.000	7.947	452496.86	0.2894	P	1.8
3	☐	25.000	23.586	536806.18	0.3424	P	1.2
4	☐	50.000	50.829	677873.76	0.4347	P	0.9
5	☐	500.000	512.807	3031821.10	2.0001	A	1.0
6	☐	1000.000	993.611	5284706.69	3.6293	A	4.6

y = 0.0034 * x + 0.2625
R = 0.9999
DL = 5.477
BEC = 77.46

Weight: <None>
Min Conc: <None>

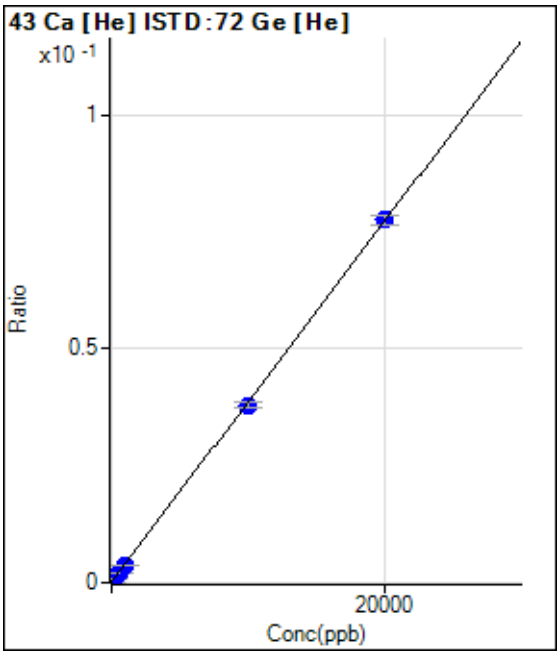
Calibration for 092_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	266702.61	0.5642	P	1.7
2	☐	200.000	216.397	400910.98	0.8546	P	1.7
3	☐	500.000	539.893	609025.49	1.2888	P	0.8
4	☐	1000.000	1039.848	916179.15	1.9597	A	1.3
5	☐	10000.000	10176.153	6508704.28	14.2205	A	0.1
6	☐	20000.000	19908.770	12029113.57	27.2815	A	1.4

y = 0.0013 * x + 0.5642
R = 0.9999
DL = 21.05
BEC = 420.4

Weight: <None>
Min Conc: <None>

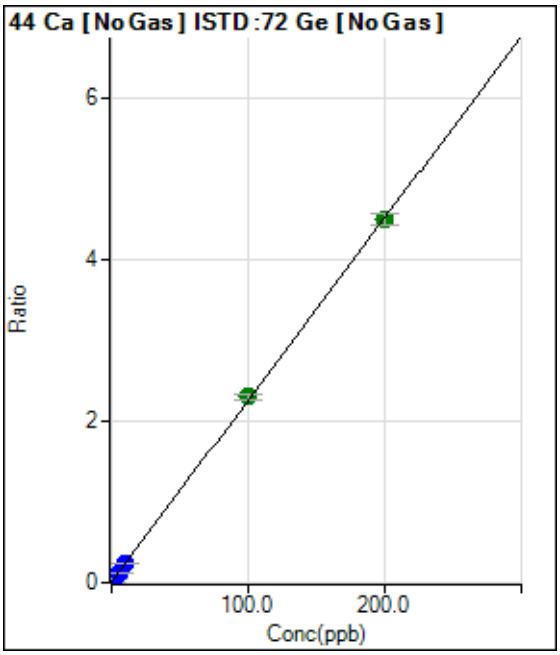


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	63.33	0.0001	P	49.0
2	☐	200.000	159.133	350.01	0.0007	P	20.7
3	☐	500.000	516.115	1003.39	0.0021	P	12.5
4	☐	1000.000	906.733	1696.80	0.0036	P	1.9
5	☐	10000.000	9830.276	17407.87	0.0380	P	3.1
6	☐	20000.000	20089.531	34209.48	0.0776	P	2.6

y = 3.8556E-006 * x + 1.3327E-004
R = 0.9999
DL = 50.82
BEC = 34.57

Weight: <None>
Min Conc: <None>

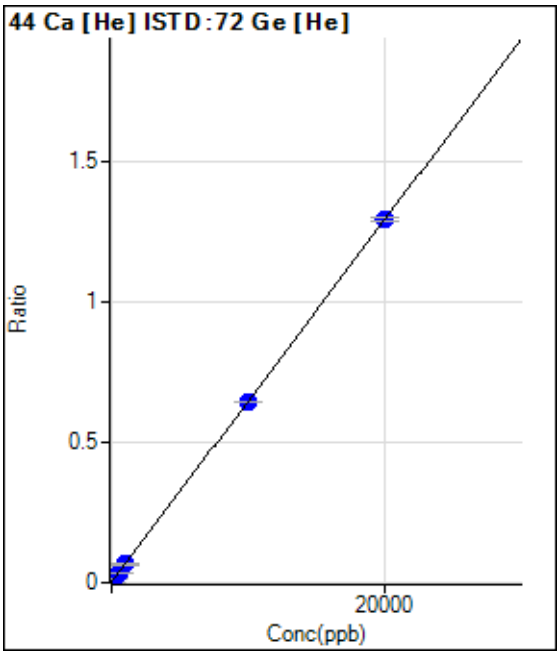
Calibration for 092_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	14401.11	0.0094	P	2.9
2	☐	2.000	2.050	86866.51	0.0556	P	3.9
3	☐	5.000	5.076	193992.25	0.1237	P	1.1
4	☐	10.000	10.283	375802.72	0.2410	P	1.5
5	☐	100.000	101.698	3485444.74	2.3000	A	2.7
6	☐	200.000	199.134	6546946.98	4.4946	A	3.3

y = 0.0225 * x + 0.0094
R = 0.9999
DL = 0.0369
BEC = 0.4175

Weight: <None>
Min Conc: <None>

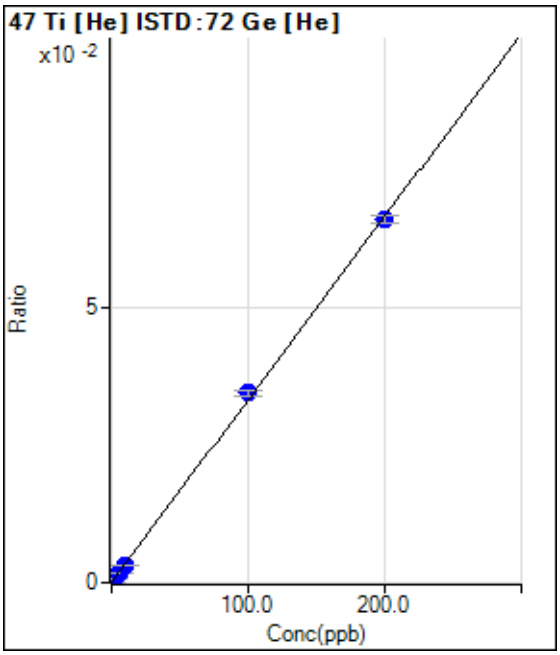


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	620.03	0.0013	P	10.7
2	☐	200.000	204.479	6805.14	0.0145	P	1.9
3	☐	500.000	504.844	16009.62	0.0339	P	3.7
4	☐	1000.000	995.022	30627.77	0.0655	P	3.6
5	☐	10000.000	9988.002	295535.70	0.6457	P	0.3
6	☐	20000.000	20006.082	569717.43	1.2920	P	1.0

y = 6.4517E-005 * x + 0.0013
R = 1.0000
DL = 6.544
BEC = 20.33

Weight: <None>
Min Conc: <None>

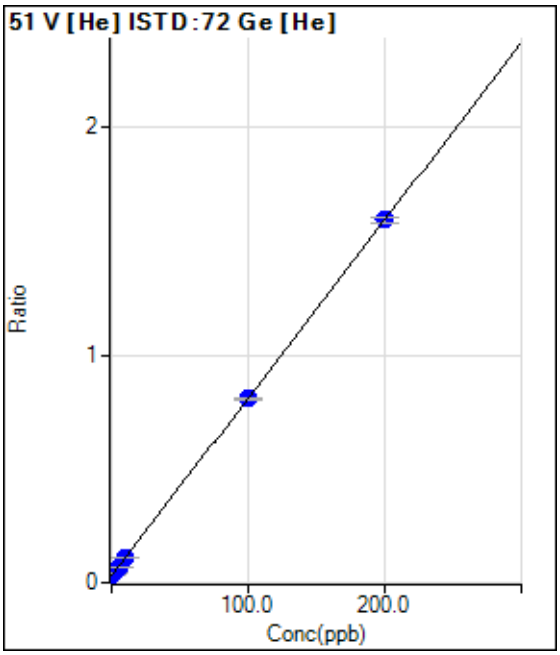
Calibration for 092_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	20.00	0.0000	P	1.6
2	☐	2.000	1.818	303.34	0.0006	P	32.1
3	☐	5.000	4.972	800.04	0.0017	P	11.4
4	☐	10.000	9.280	1460.11	0.0031	P	7.8
5	☐	100.000	103.476	15742.57	0.0344	P	2.8
6	☐	200.000	198.300	29054.33	0.0659	P	2.0

y = 3.3201E-004 * x + 4.2313E-005
R = 0.9998
DL = 0.006072
BEC = 0.1274

Weight: <None>
Min Conc: <None>

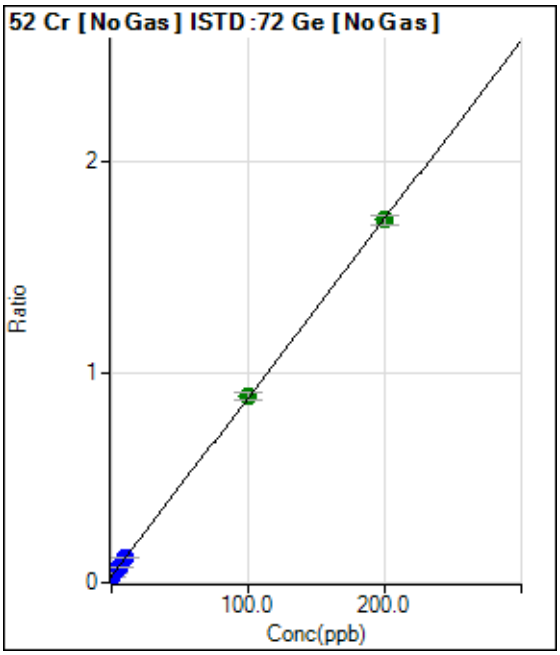


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	14270.81	0.0302	P	2.9
2	☐	2.000	2.039	21635.98	0.0461	P	1.1
3	☐	5.000	4.935	32490.57	0.0687	P	0.5
4	☐	10.000	9.847	50077.75	0.1071	P	1.2
5	☐	100.000	99.540	369705.97	0.8077	P	0.8
6	☐	200.000	200.239	702976.06	1.5943	P	1.6

y = 0.0078 * x + 0.0302
R = 1.0000
DL = 0.336
BEC = 3.866

Weight: <None>
Min Conc: <None>

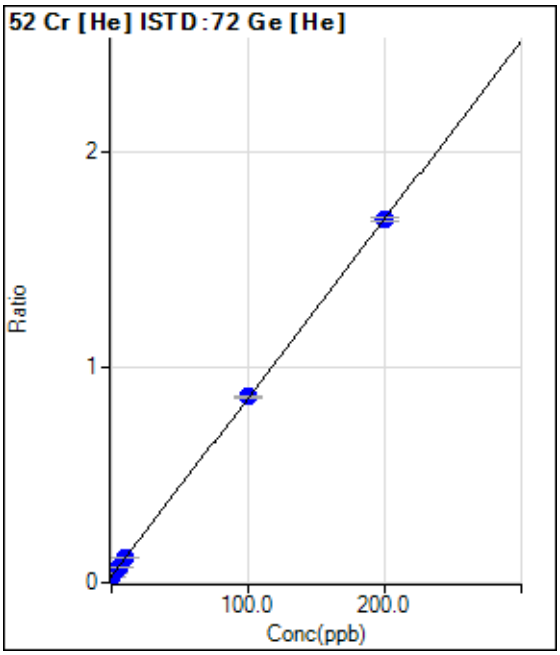
Calibration for 092_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	47168.26	0.0308	P	1.6
2	☐	2.000	1.927	73717.79	0.0471	P	2.0
3	☐	5.000	4.903	113516.84	0.0724	P	1.7
4	☐	10.000	10.108	181800.36	0.1166	P	0.6
5	☐	100.000	100.987	1345473.94	0.8879	A	4.0
6	☐	200.000	199.504	2511632.88	1.7241	A	2.8

y = 0.0085 * x + 0.0308
R = 1.0000
DL = 0.1737
BEC = 3.628

Weight: <None>
Min Conc: <None>

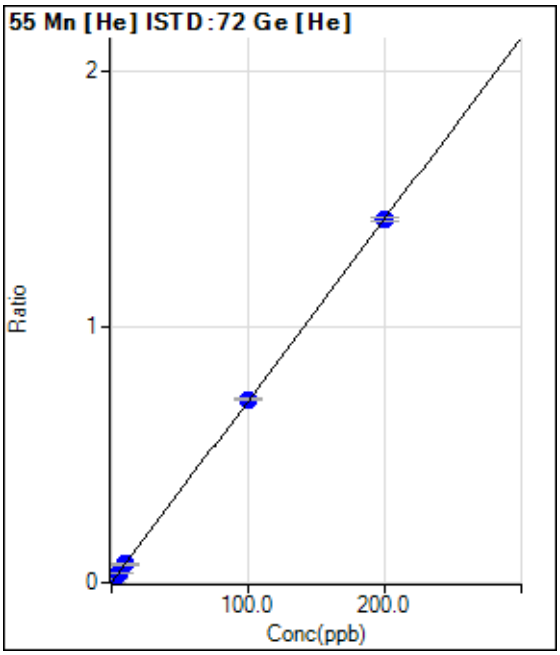


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	14160.90	0.0300	P	3.8
2	☐	2.000	2.116	22295.05	0.0475	P	1.5
3	☐	5.000	5.097	34146.20	0.0722	P	1.4
4	☐	10.000	10.365	54210.66	0.1160	P	0.9
5	☐	100.000	100.573	395608.00	0.8643	P	0.9
6	☐	200.000	199.692	743697.17	1.6866	P	0.9

y = 0.0083 * x + 0.0300
R = 1.0000
DL = 0.4071
BEC = 3.612

Weight: <None>
Min Conc: <None>

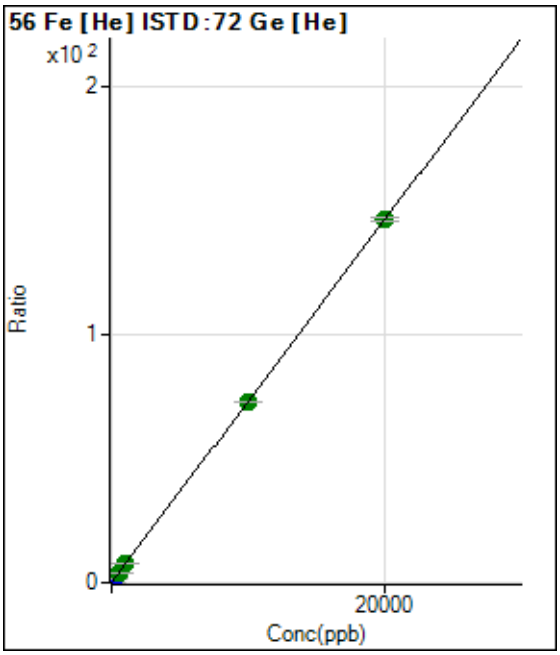
Calibration for 092_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	363.34	0.0008	P	5.4
2	☐	2.000	2.020	7095.32	0.0151	P	4.9
3	☐	5.000	4.981	17094.29	0.0362	P	1.9
4	☐	10.000	10.013	33624.95	0.0719	P	1.8
5	☐	100.000	100.760	328075.21	0.7168	P	0.5
6	☐	200.000	199.620	625804.07	1.4193	P	1.2

y = 0.0071 * x + 7.6895E-004
R = 1.0000
DL = 0.01755
BEC = 0.1082

Weight: <None>
Min Conc: <None>

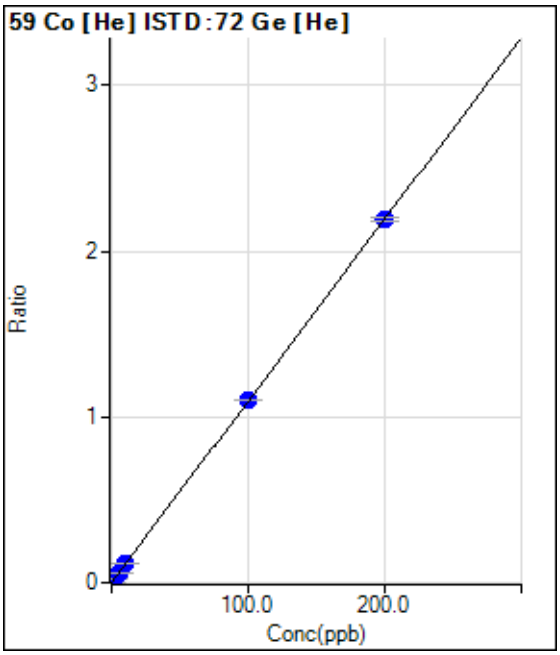


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	45345.60	0.0959	P	0.6
2	☐	200.000	208.356	758106.08	1.6160	P	0.5
3	☐	500.000	518.027	1831651.28	3.8751	A	2.7
4	☐	1000.000	1017.454	3515075.36	7.5186	A	1.2
5	☐	10000.000	9983.930	33380627.84	72.9327	A	0.4
6	☐	20000.000	20006.628	64400254.04	146.0523	A	1.2

y = 0.0073 * x + 0.0959
R = 1.0000
DL = 0.2347
BEC = 13.15

Weight: <None>
Min Conc: <None>

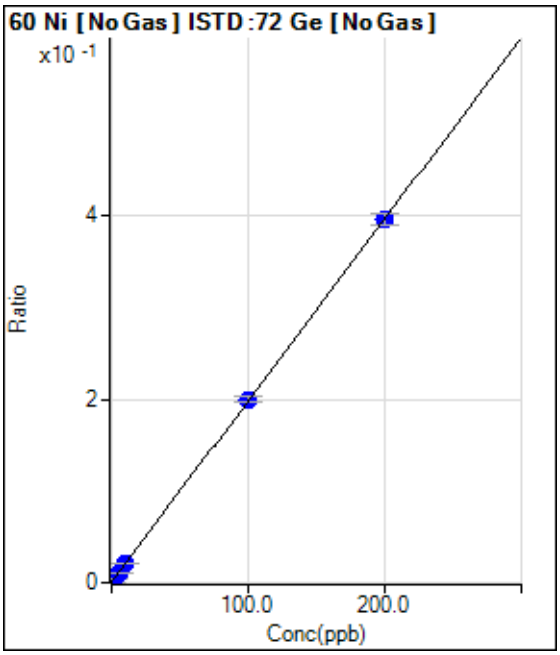
Calibration for 092_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	53.33	0.0001	P	48.0
2	☐	2.000	2.069	10687.72	0.0228	P	2.6
3	☐	5.000	5.036	26132.12	0.0553	P	1.5
4	☐	10.000	10.109	51842.03	0.1109	P	0.5
5	☐	100.000	100.495	504036.67	1.1013	P	0.7
6	☐	200.000	199.746	965108.81	2.1888	P	1.2

y = 0.0110 * x + 1.1326E-004
R = 1.0000
DL = 0.01489
BEC = 0.01034

Weight: <None>
Min Conc: <None>

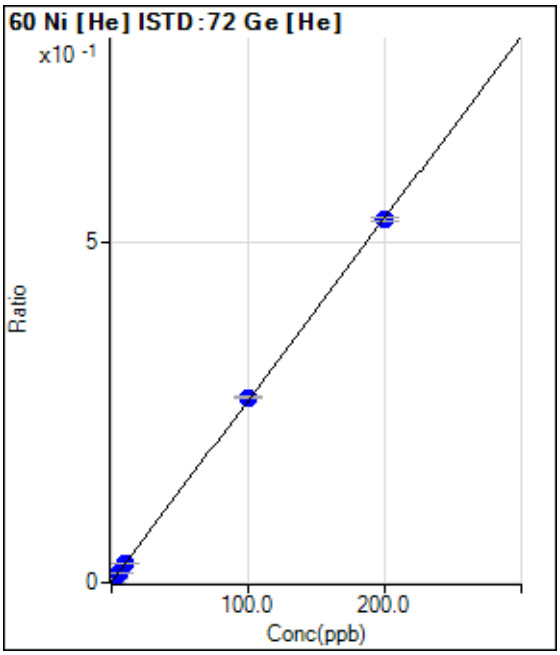


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	806.71	0.0005	P	7.7
2	☐	2.000	2.029	7108.63	0.0045	P	2.2
3	☐	5.000	5.073	16587.00	0.0106	P	3.0
4	☐	10.000	10.129	32118.05	0.0206	P	0.8
5	☐	100.000	100.674	303112.97	0.2000	P	2.6
6	☐	200.000	199.654	576993.92	0.3961	P	3.3

y = 0.0020 * x + 5.2665E-004
R = 1.0000
DL = 0.06139
BEC = 0.2658

Weight: <None>
Min Conc: <None>

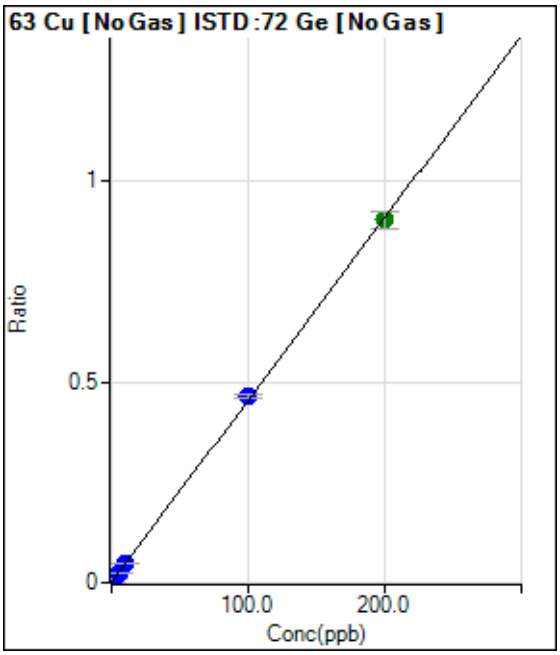
Calibration for 092_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	340.01	0.0007	P	17.7
2	☐	2.000	1.834	2640.30	0.0056	P	13.7
3	☐	5.000	4.838	6461.65	0.0137	P	3.9
4	☐	10.000	10.049	12916.35	0.0276	P	4.6
5	☐	100.000	101.703	124988.66	0.2731	P	1.0
6	☐	200.000	199.152	235477.58	0.5340	P	1.2

y = 0.0027 * x + 7.1923E-004
R = 0.9999
DL = 0.1429
BEC = 0.2686

Weight: <None>
Min Conc: <None>

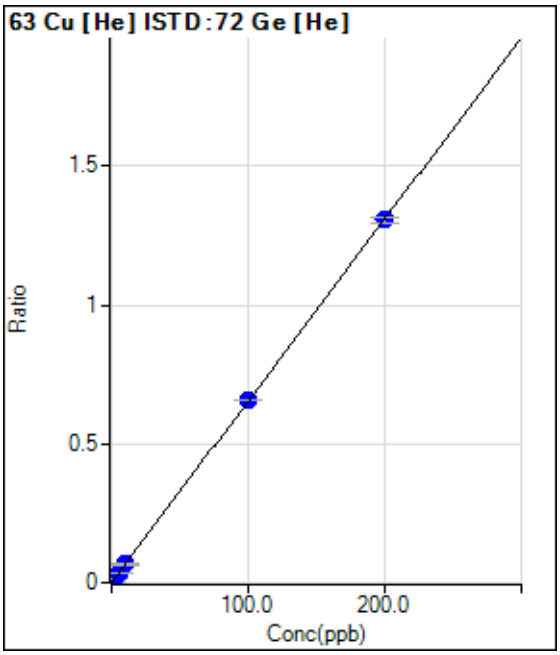


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1103.39	0.0007	P	22.9
2	☐	2.000	2.096	16006.36	0.0102	P	4.9
3	☐	5.000	5.193	38106.99	0.0243	P	0.5
4	☐	10.000	10.375	74597.30	0.0478	P	0.9
5	☐	100.000	101.964	702891.53	0.4638	P	2.0
6	☐	200.000	198.994	1316742.45	0.9044	A	5.1

y = 0.0045 * x + 7.2142E-004
R = 0.9999
DL = 0.1092
BEC = 0.1589

Weight: <None>
Min Conc: <None>

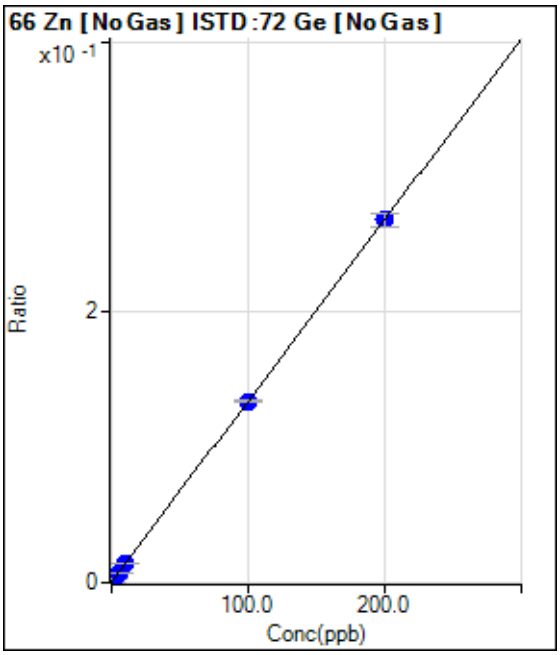
Calibration for 092_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	223.34	0.0005	P	30.2
2	☐	2.000	2.031	6448.31	0.0137	P	4.3
3	☐	5.000	5.036	15779.37	0.0334	P	0.7
4	☐	10.000	10.104	31095.87	0.0665	P	2.6
5	☐	100.000	100.460	300731.14	0.6571	P	0.6
6	☐	200.000	199.764	575912.69	1.3061	P	1.3

y = 0.0065 * x + 4.7131E-004
R = 1.0000
DL = 0.06536
BEC = 0.07211

Weight: <None>
Min Conc: <None>

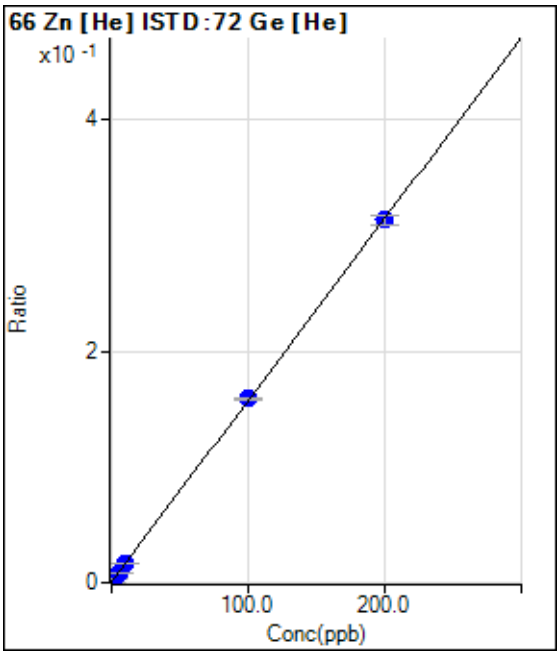


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	720.03	0.0005	P	18.8
2	☐	2.000	1.906	4727.56	0.0030	P	1.9
3	☐	5.000	4.969	11164.77	0.0071	P	5.5
4	☐	10.000	9.929	21460.57	0.0138	P	0.4
5	☐	100.000	99.994	203626.65	0.1343	P	1.0
6	☐	200.000	200.008	390659.02	0.2682	P	3.5

y = 0.0013 * x + 4.7052E-004
R = 1.0000
DL = 0.1981
BEC = 0.3515

Weight: <None>
Min Conc: <None>

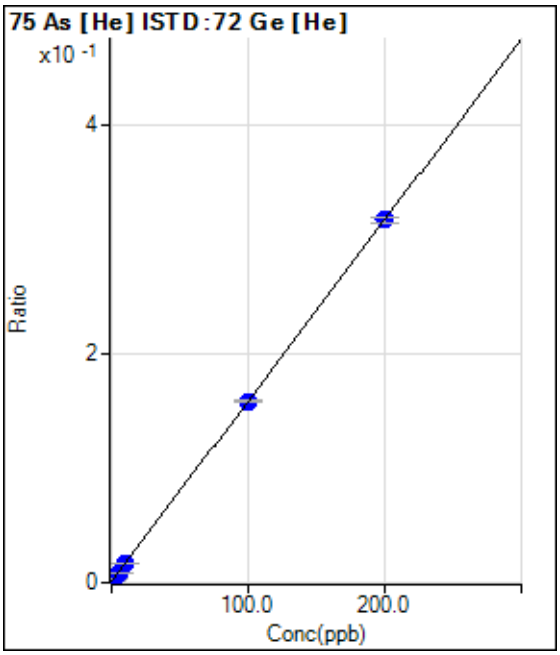
Calibration for 092_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	303.34	0.0006	P	21.7
2	☐	2.000	1.894	1693.47	0.0036	P	10.5
3	☐	5.000	5.074	4057.35	0.0086	P	7.7
4	☐	10.000	10.085	7685.66	0.0164	P	3.9
5	☐	100.000	101.002	72714.06	0.1589	P	1.2
6	☐	200.000	199.494	138077.52	0.3132	P	2.5

y = 0.0016 * x + 6.4132E-004
R = 1.0000
DL = 0.2668
BEC = 0.4094

Weight: <None>
Min Conc: <None>

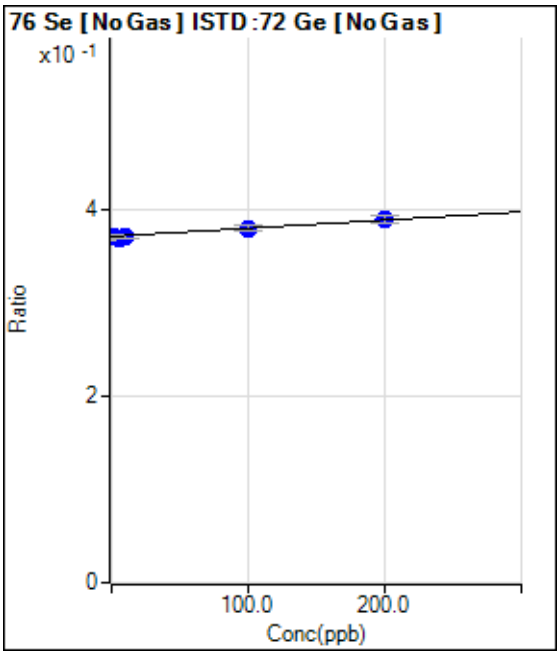


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	441.12	0.0009	P	7.0
2	☐	2.000	2.042	1953.49	0.0042	P	3.1
3	☐	5.000	4.767	4003.94	0.0085	P	3.9
4	☐	10.000	10.008	7835.64	0.0168	P	2.5
5	☐	100.000	99.831	72679.76	0.1588	P	1.2
6	☐	200.000	200.089	139928.56	0.3173	P	1.5

y = 0.0016 * x + 9.3336E-004
R = 1.0000
DL = 0.1248
BEC = 0.5902

Weight: <None>
Min Conc: <None>

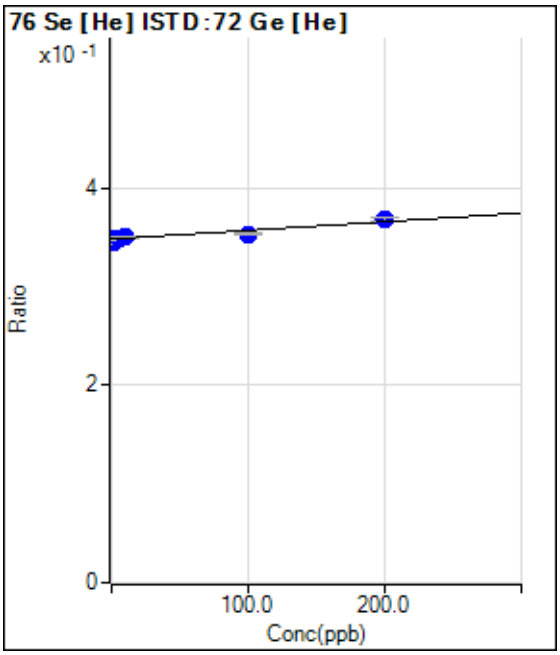
Calibration for 092_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	568501.64	0.3711	P	1.3
2	☐	2.000	-3.266	579901.04	0.3708	P	0.6
3	☐	5.000	-28.539	577972.49	0.3686	P	0.8
4	☐	10.000	-5.148	578032.58	0.3707	P	0.8
5	☐	100.000	101.427	576000.14	0.3800	P	1.3
6	☐	200.000	200.935	566369.25	0.3887	P	2.1

y = 8.7580E-005 * x + 0.3711
R = 0.9909
DL = 163.8
BEC = 4237

Weight: <None>
Min Conc: <None>

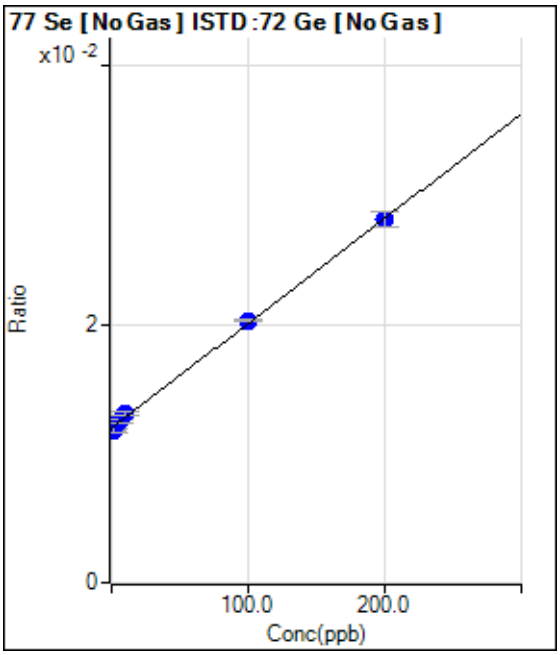


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	164672.49	0.3484	P	1.0
2	☐	2.000	-45.274	161554.53	0.3444	P	0.9
3	☐	5.000	0.814	164675.33	0.3484	P	0.5
4	☐	10.000	19.504	163676.64	0.3501	P	0.2
5	☐	100.000	60.408	161881.57	0.3537	P	0.9
6	☐	200.000	219.898	162196.25	0.3678	P	0.9

y = 8.8260E-005 * x + 0.3484
R = 0.9607
DL = 123.5
BEC = 3947

Weight: <None>
Min Conc: <None>

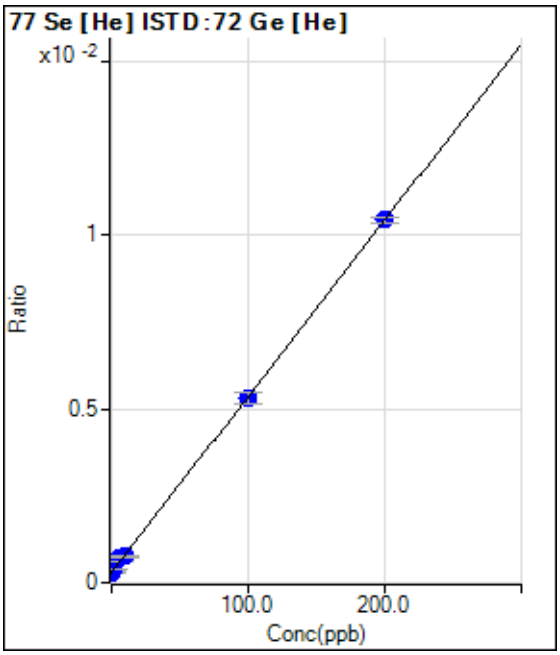
Calibration for 092_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	18336.08	0.0120	P	3.4
2	☐	2.000	-3.303	18306.02	0.0117	P	2.9
3	☐	5.000	6.970	19661.35	0.0125	P	1.9
4	☐	10.000	13.402	20369.01	0.0131	P	2.1
5	☐	100.000	102.418	30742.09	0.0203	P	1.0
6	☐	200.000	198.624	40888.76	0.0281	P	4.3

y = 8.1076E-005 * x + 0.0120
R = 0.9992
DL = 15.24
BEC = 147.7

Weight: <None>
Min Conc: <None>

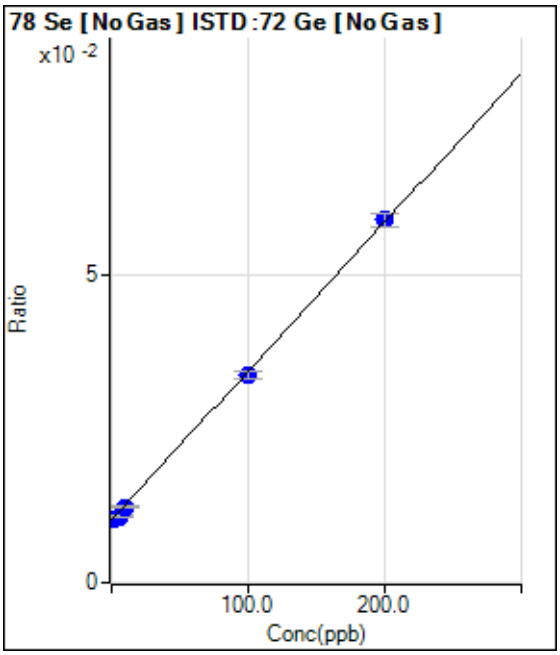


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	140.00	0.0003	P	13.0
2	☐	2.000	1.592	176.67	0.0004	P	8.2
3	☐	5.000	8.078	333.34	0.0007	P	21.3
4	☐	10.000	9.082	353.34	0.0008	P	3.0
5	☐	100.000	99.275	2436.93	0.0053	P	6.0
6	☐	200.000	200.335	4604.20	0.0104	P	1.6

y = 5.0641E-005 * x + 2.9584E-004
R = 0.9998
DL = 2.274
BEC = 5.842

Weight: <None>
Min Conc: <None>

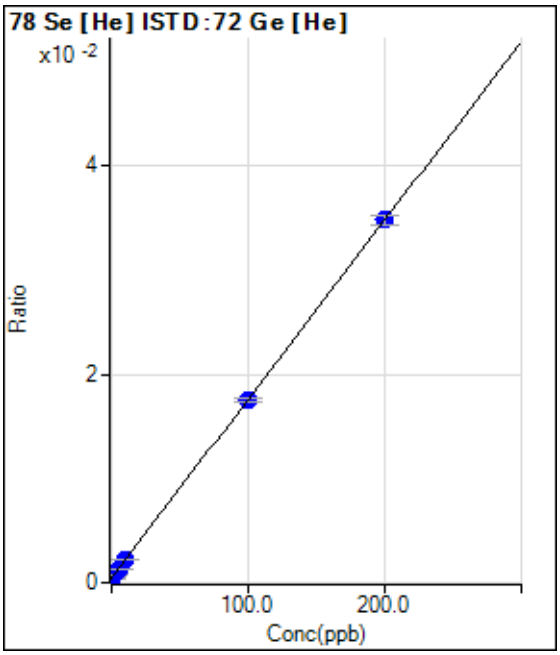
Calibration for 092_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	15672.60	0.0102	P	4.8
2	☐	2.000	0.412	16166.63	0.0103	P	1.2
3	☐	5.000	2.226	16897.45	0.0108	P	1.7
4	☐	10.000	8.313	19107.18	0.0123	P	2.4
5	☐	100.000	97.440	51337.82	0.0339	P	3.4
6	☐	200.000	201.450	86103.93	0.0591	P	3.5

y = 2.4265E-004 * x + 0.0102
R = 0.9999
DL = 6.051
BEC = 42.19

Weight: <None>
Min Conc: <None>

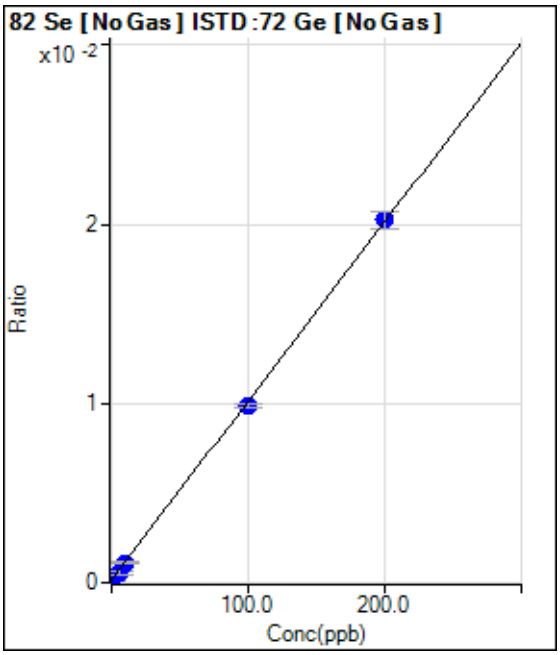


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	216.67	0.0005	P	16.8
2	☐	2.000	2.102	384.68	0.0008	P	7.1
3	☐	5.000	4.747	602.02	0.0013	P	3.4
4	☐	10.000	10.316	1042.71	0.0022	P	1.1
5	☐	100.000	99.498	8031.07	0.0175	P	1.8
6	☐	200.000	200.240	15362.75	0.0348	P	2.3

y = 1.7172E-004 * x + 4.5875E-004
R = 1.0000
DL = 1.344
BEC = 2.671

Weight: <None>
Min Conc: <None>

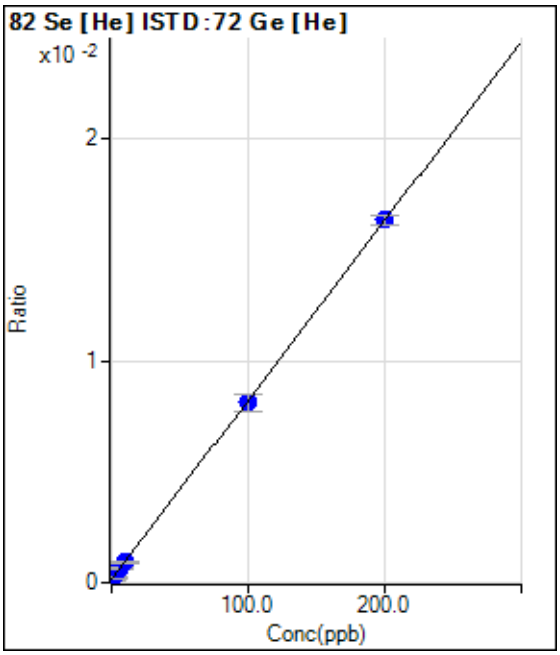
Calibration for 092_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	248.57	0.0002	P	47.1
2	☐	2.000	1.674	511.89	0.0003	P	12.4
3	☐	5.000	3.783	842.13	0.0005	P	24.1
4	☐	10.000	9.547	1735.51	0.0011	P	5.8
5	☐	100.000	97.616	15000.94	0.0099	P	2.3
6	☐	200.000	201.248	29465.03	0.0202	P	4.5

y = 9.9749E-005 * x + 1.6075E-004
R = 0.9999
DL = 2.277
BEC = 1.612

Weight: <None>
Min Conc: <None>

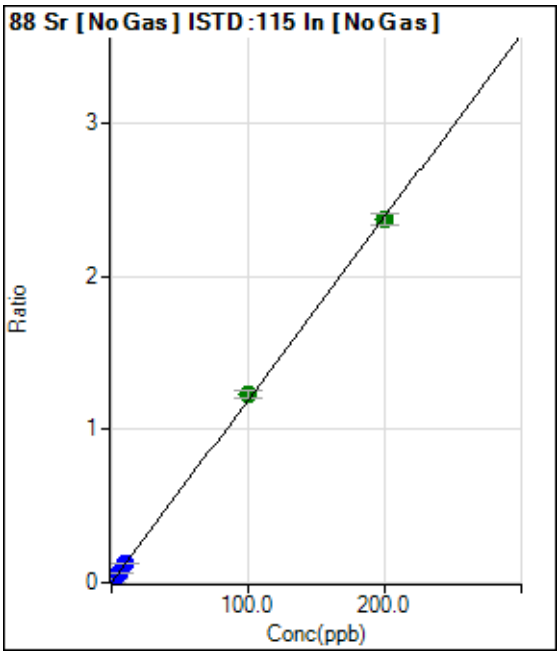


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	66.67	0.0001	P	57.5
2	☐	2.000	1.156	110.00	0.0002	P	33.2
3	☐	5.000	6.113	300.01	0.0006	P	9.5
4	☐	10.000	9.728	433.35	0.0009	P	9.9
5	☐	100.000	98.899	3720.60	0.0081	P	9.6
6	☐	200.000	200.545	7205.39	0.0163	P	2.4

y = 8.0778E-005 * x + 1.4129E-004
R = 0.9999
DL = 3.017
BEC = 1.749

Weight: <None>
Min Conc: <None>

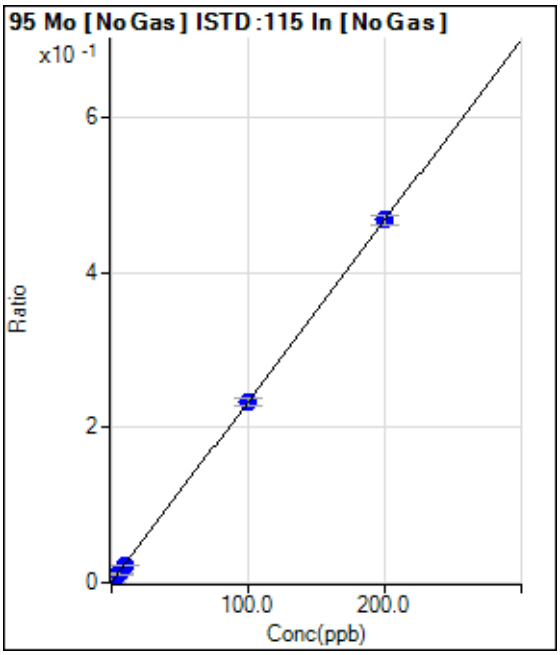
Calibration for 092_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1356.77	0.0008	P	4.8
2	☐	2.000	2.042	45407.49	0.0251	P	0.1
3	☐	5.000	5.040	110838.78	0.0609	P	1.7
4	☐	10.000	10.211	221099.67	0.1227	P	1.7
5	☐	100.000	103.108	2112392.52	1.2316	A	3.8
6	☐	200.000	198.434	3980452.65	2.3695	A	3.3

y = 0.0119 * x + 7.6139E-004
R = 0.9998
DL = 0.009213
BEC = 0.06378

Weight: <None>
Min Conc: <None>

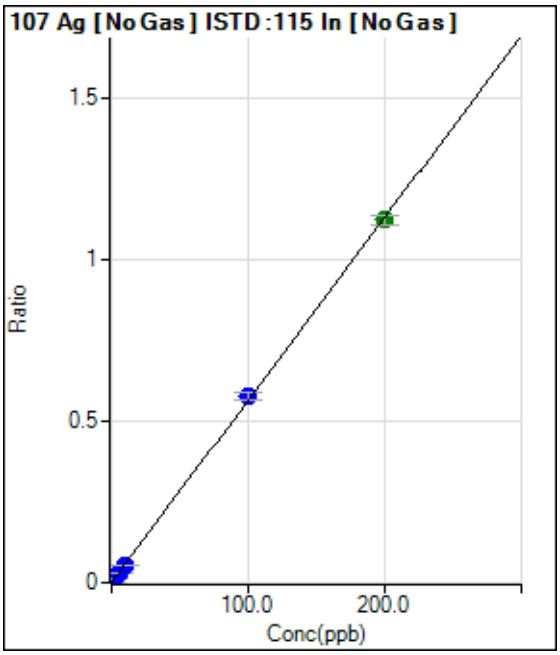


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	680.03	0.0004	P	1.5
2	☐	2.000	1.909	8723.05	0.0048	P	2.0
3	☐	5.000	4.643	20379.18	0.0112	P	4.4
4	☐	10.000	9.259	39595.88	0.0220	P	1.8
5	☐	100.000	99.483	398413.28	0.2323	P	3.9
6	☐	200.000	200.305	785065.07	0.4673	P	2.9

y = 0.0023 * x + 3.8160E-004
R = 1.0000
DL = 0.00716
BEC = 0.1637

Weight: <None>
Min Conc: <None>

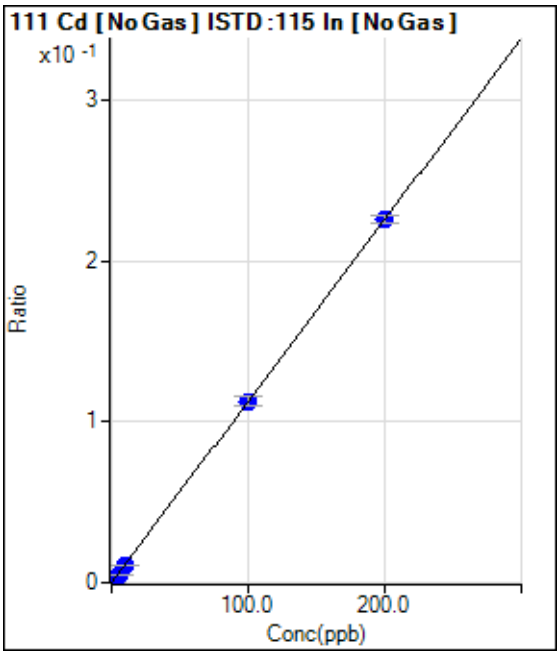
Calibration for 092_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	823.37	0.0005	P	4.7
2	☐	2.000	1.927	20456.10	0.0113	P	2.2
3	☐	5.000	4.929	51393.40	0.0283	P	1.9
4	☐	10.000	9.808	100522.78	0.0558	P	1.6
5	☐	100.000	102.134	988445.97	0.5763	P	3.8
6	☐	200.000	198.945	1885121.79	1.1222	A	2.8

y = 0.0056 * x + 4.6168E-004
R = 0.9999
DL = 0.01151
BEC = 0.08188

Weight: <None>
Min Conc: <None>

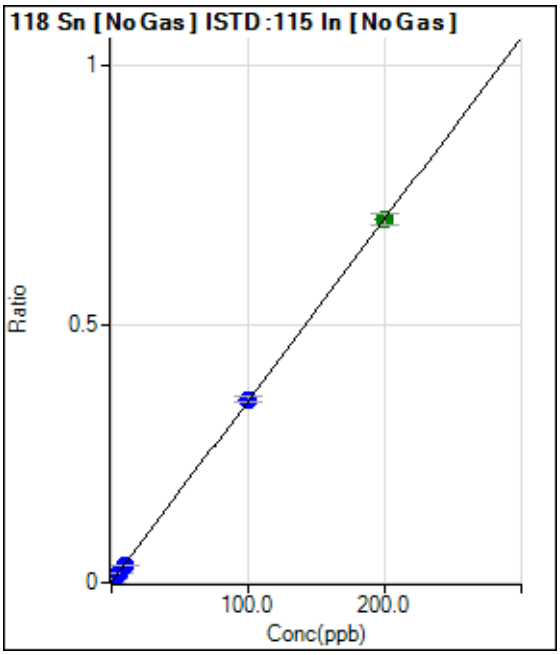


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	-10.97	0.0000	P	-98.1
2	☐	2.000	1.842	3744.26	0.0021	P	6.2
3	☐	5.000	4.681	9604.39	0.0053	P	0.6
4	☐	10.000	9.663	19658.51	0.0109	P	1.4
5	☐	100.000	100.001	193582.26	0.1129	P	4.7
6	☐	200.000	200.026	379397.70	0.2258	P	2.2

y = 0.0011 * x - 6.0890E-006
R = 1.0000
DL = 0.01588
BEC = -0.005393

Weight: <None>
Min Conc: <None>

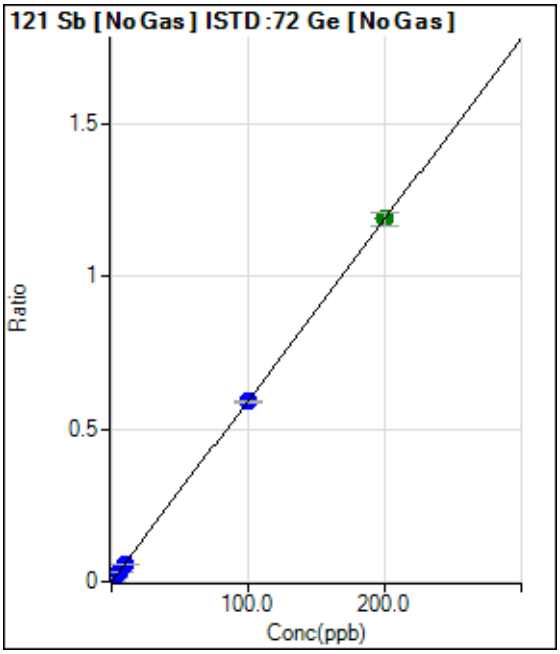
Calibration for 092_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1183.41	0.0007	P	6.7
2	☐	2.000	1.930	13443.73	0.0074	P	1.5
3	☐	5.000	4.771	31695.20	0.0174	P	1.3
4	☐	10.000	9.590	61909.02	0.0343	P	3.2
5	☐	100.000	100.870	608862.61	0.3549	P	3.4
6	☐	200.000	199.592	1178736.42	0.7017	A	3.1

y = 0.0035 * x + 6.6375E-004
R = 1.0000
DL = 0.03823
BEC = 0.189

Weight: <None>
Min Conc: <None>

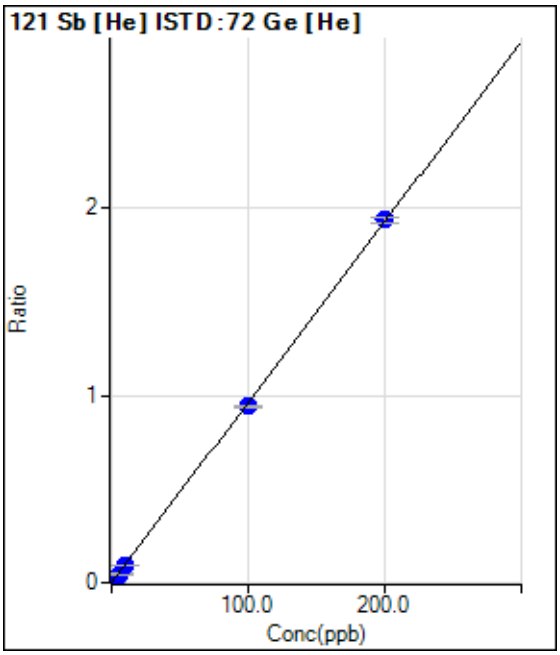


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	743.36	0.0005	P	12.2
2	☐	2.000	1.817	17595.38	0.0113	P	3.8
3	☐	5.000	4.764	45034.11	0.0287	P	2.7
4	☐	10.000	9.704	90470.76	0.0580	P	1.4
5	☐	100.000	99.399	893963.53	0.5898	P	1.7
6	☐	200.000	200.323	1730428.62	1.1882	A	3.9

y = 0.0059 * x + 4.8482E-004
R = 1.0000
DL = 0.02991
BEC = 0.08177

Weight: <None>
Min Conc: <None>

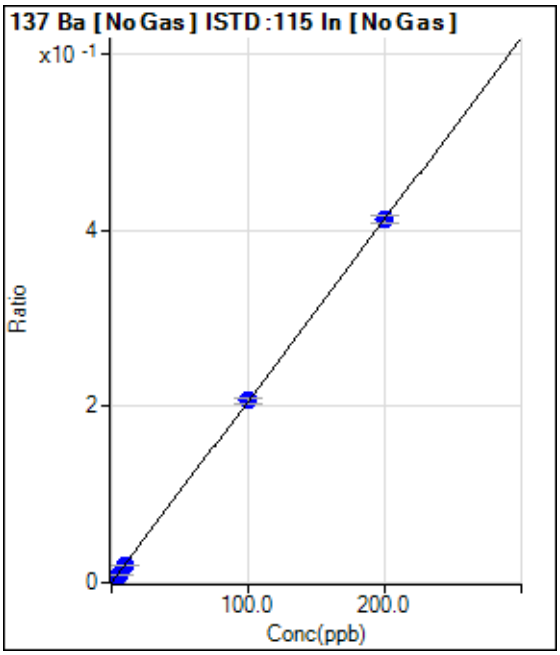
Calibration for 092_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	356.68	0.0008	P	5.8
2	☐	2.000	1.830	8612.96	0.0184	P	4.1
3	☐	5.000	4.712	21774.93	0.0461	P	0.5
4	☐	10.000	9.565	43368.58	0.0928	P	1.2
5	☐	100.000	97.847	431110.43	0.9419	P	0.8
6	☐	200.000	201.107	853258.79	1.9352	P	1.8

y = 0.0096 * x + 7.5413E-004
R = 0.9999
DL = 0.01354
BEC = 0.0784

Weight: <None>
Min Conc: <None>

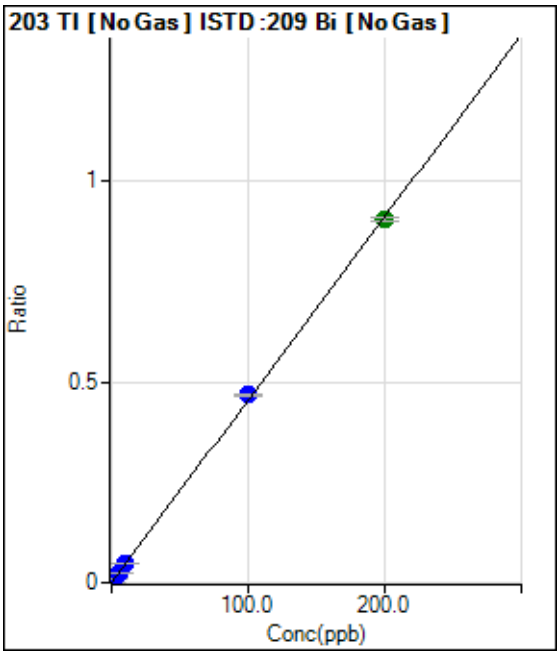


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	203.34	0.0001	P	24.1
2	☐	2.000	1.933	7398.89	0.0041	P	6.8
3	☐	5.000	4.646	17632.23	0.0097	P	1.2
4	☐	10.000	9.496	35488.85	0.0197	P	1.5
5	☐	100.000	100.408	355213.33	0.2071	P	2.9
6	☐	200.000	199.831	692185.25	0.4120	P	2.0

y = 0.0021 * x + 1.1432E-004
R = 1.0000
DL = 0.04008
BEC = 0.05546

Weight: <None>
Min Conc: <None>

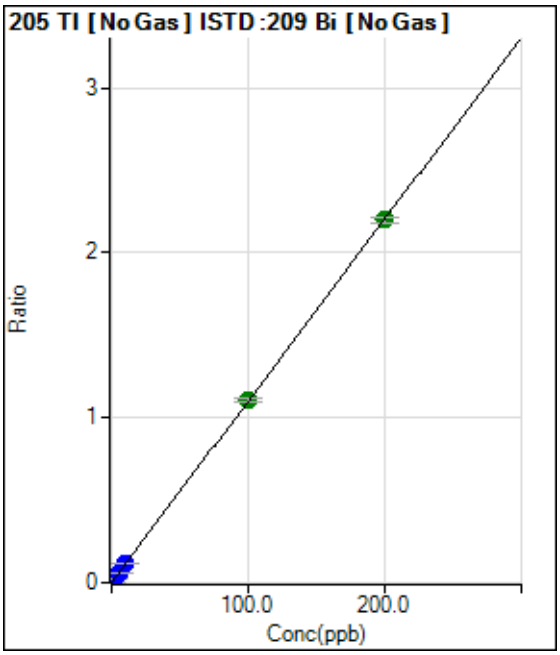
Calibration for 092_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	206.67	0.0002	P	35.1
2	☐	2.000	2.066	12049.41	0.0096	P	1.4
3	☐	5.000	5.263	30130.15	0.0241	P	0.7
4	☐	10.000	10.244	57616.29	0.0468	P	1.8
5	☐	100.000	102.862	570288.56	0.4688	P	0.6
6	☐	200.000	198.550	1069017.75	0.9047	A	0.9

y = 0.0046 * x + 1.7221E-004
R = 0.9999
DL = 0.03979
BEC = 0.0378

Weight: <None>
Min Conc: <None>

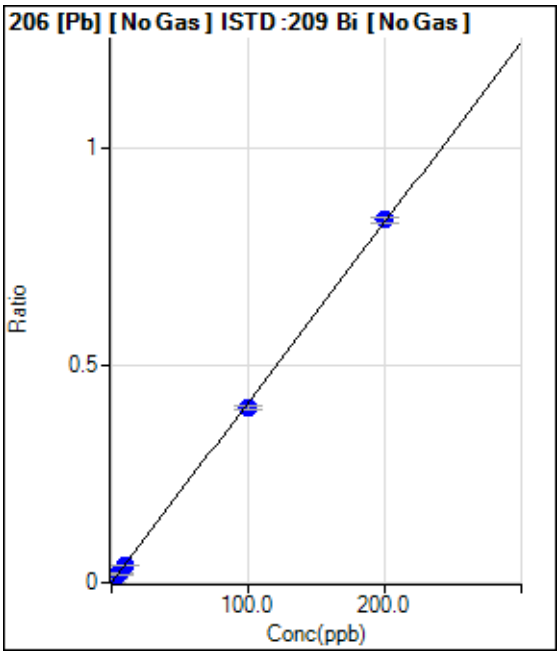


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	556.69	0.0005	P	13.8
2	☐	2.000	2.045	28873.75	0.0230	P	1.5
3	☐	5.000	5.185	71813.04	0.0576	P	0.3
4	☐	10.000	10.157	138129.08	0.1123	P	1.2
5	☐	100.000	100.435	1345678.31	1.1063	A	1.5
6	☐	200.000	199.770	2599720.95	2.2000	A	1.6

y = 0.0110 * x + 4.6392E-004
R = 1.0000
DL = 0.01744
BEC = 0.04214

Weight: <None>
Min Conc: <None>

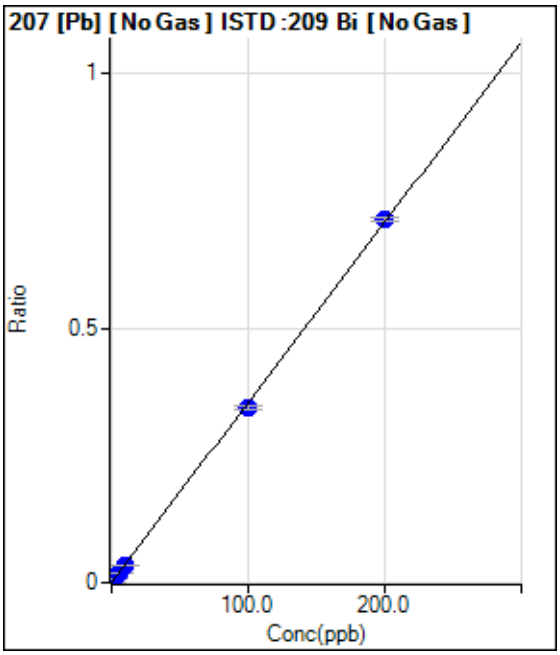
Calibration for 092_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	156.67	0.0001	P	31.3
2	☐	2.000	1.940	10267.79	0.0082	P	2.7
3	☐	5.000	4.789	24928.58	0.0200	P	2.9
4	☐	10.000	9.652	49381.62	0.0401	P	2.3
5	☐	100.000	97.288	490732.82	0.4034	P	1.6
6	☐	200.000	201.379	986485.45	0.8349	P	1.7

y = 0.0041 * x + 1.3084E-004
R = 0.9999
DL = 0.02962
BEC = 0.03156

Weight: <None>
Min Conc: <None>

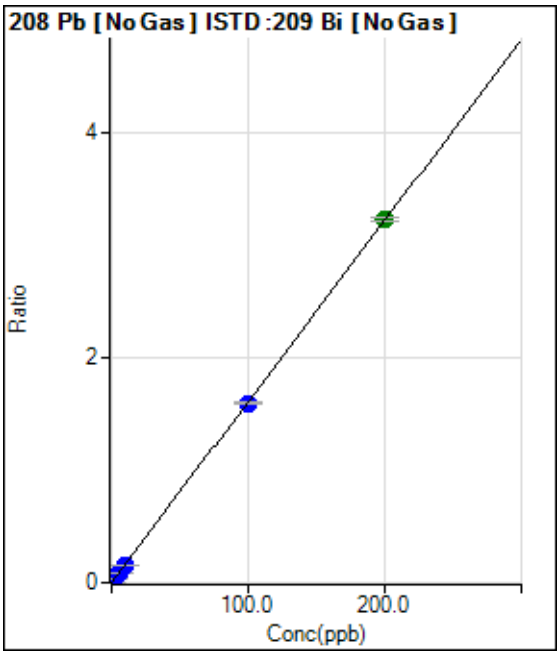


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	173.34	0.0001	P	19.6
2	☐	2.000	1.885	8569.77	0.0068	P	0.8
3	☐	5.000	4.945	22023.15	0.0177	P	0.8
4	☐	10.000	9.637	42134.90	0.0343	P	1.1
5	☐	100.000	97.150	418497.01	0.3441	P	1.8
6	☐	200.000	201.445	842746.39	0.7133	P	1.2

y = 0.0035 * x + 1.4466E-004
R = 0.9999
DL = 0.02397
BEC = 0.04087

Weight: <None>
Min Conc: <None>

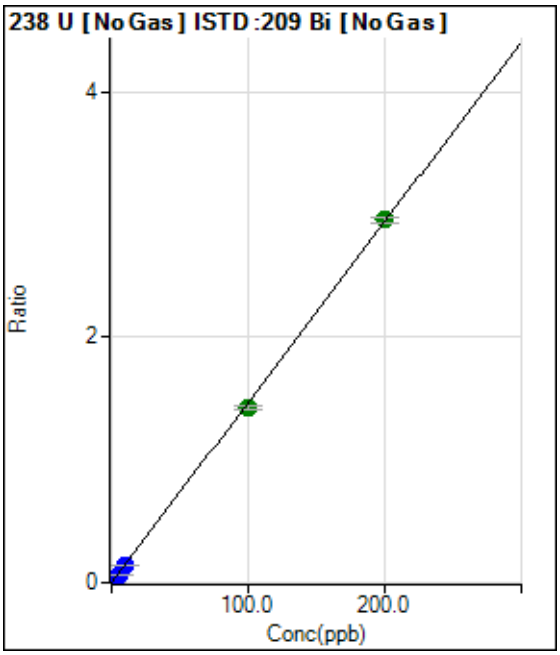
Calibration for 092_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	726.69	0.0006	P	11.3
2	☐	2.000	1.933	39828.91	0.0317	P	1.0
3	☐	5.000	4.906	99225.16	0.0795	P	1.7
4	☐	10.000	9.836	195347.23	0.1588	P	0.7
5	☐	100.000	99.094	1939668.72	1.5946	P	1.5
6	☐	200.000	200.464	3810794.47	3.2252	A	1.0

y = 0.0161 * x + 6.0561E-004
R = 1.0000
DL = 0.01276
BEC = 0.03765

Weight: <None>
Min Conc: <None>

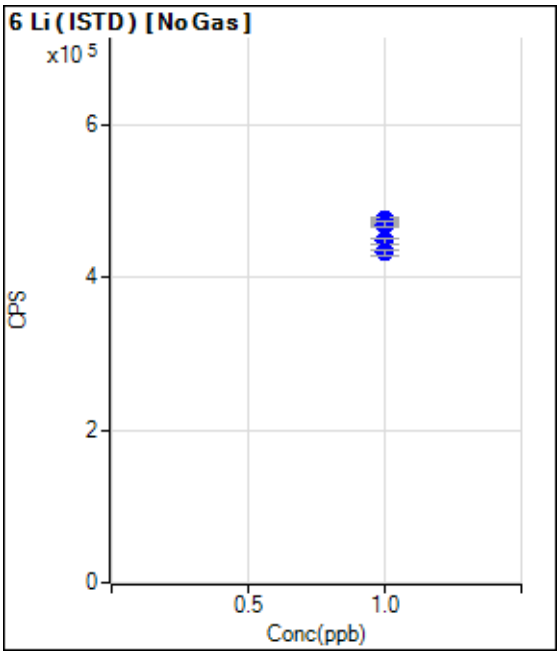


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	376.68	0.0003	P	4.9
2	☐	2.000	1.817	33944.13	0.0270	P	4.2
3	☐	5.000	4.599	84698.25	0.0679	P	1.8
4	☐	10.000	9.444	171045.92	0.1391	P	0.2
5	☐	100.000	97.462	1742028.67	1.4322	A	2.3
6	☐	200.000	201.309	3494942.97	2.9579	A	1.4

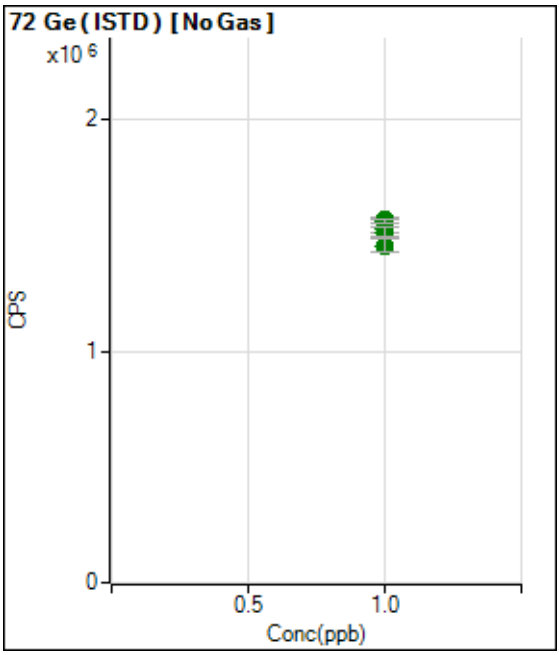
y = 0.0147 * x + 3.1362E-004
R = 0.9999
DL = 0.003133
BEC = 0.02135

Weight: <None>
Min Conc: <None>

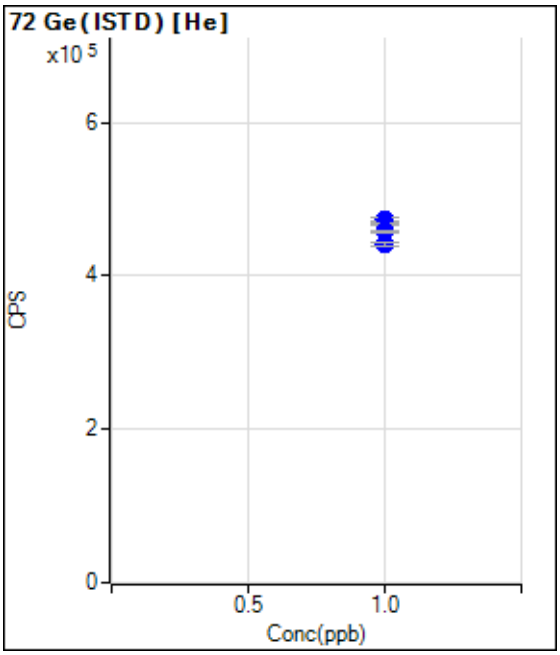
Calibration for 092_ICV.d



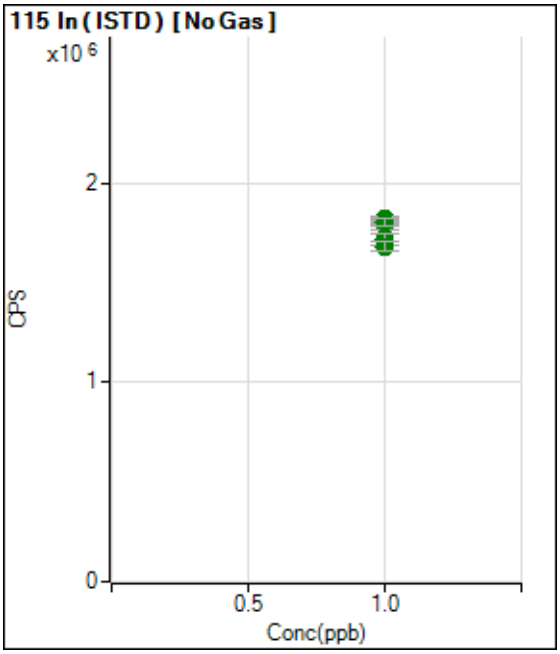
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		471022.82		P	1.3
2	☐	1.000		475143.20		P	0.2
3	☐	1.000		474252.25		P	1.5
4	☐	1.000		469599.92		P	1.3
5	☐	1.000		447478.48		P	1.6
6	☐	1.000		431923.38		P	1.6



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1532242.69		A	3.0
2	☐	1.000		1563880.29		A	1.7
3	☐	1.000		1568017.63		A	1.7
4	☐	1.000		1559453.26		A	1.0
5	☐	1.000		1516058.05		A	2.4
6	☐	1.000		1457866.59		A	4.0

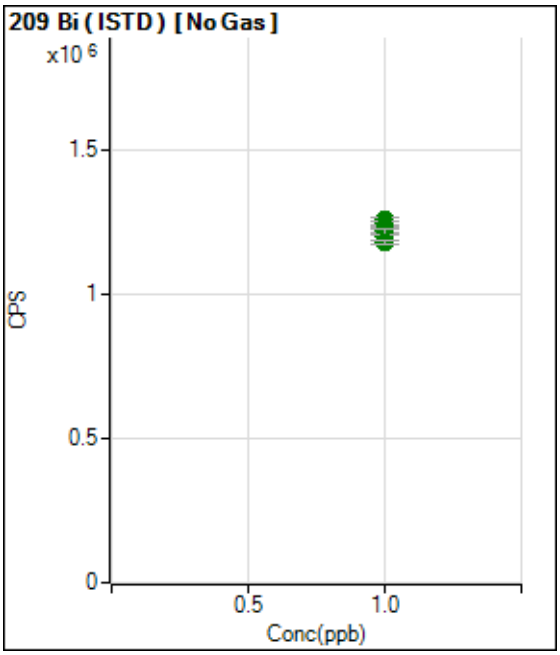


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		472742.67		P	1.6
2	☐	1.000		469145.56		P	0.8
3	☐	1.000		472591.38		P	1.0
4	☐	1.000		467522.72		P	0.3
5	☐	1.000		457698.98		P	0.8
6	☐	1.000		440981.23		P	1.4



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1782326.38		A	2.2
2	☐	1.000		1805997.18		A	1.2
3	☐	1.000		1819392.60		A	1.0
4	☐	1.000		1803041.79		A	2.0
5	☐	1.000		1716691.83		A	3.7
6	☐	1.000		1680845.94		A	3.0

Calibration for 092_ICV.d



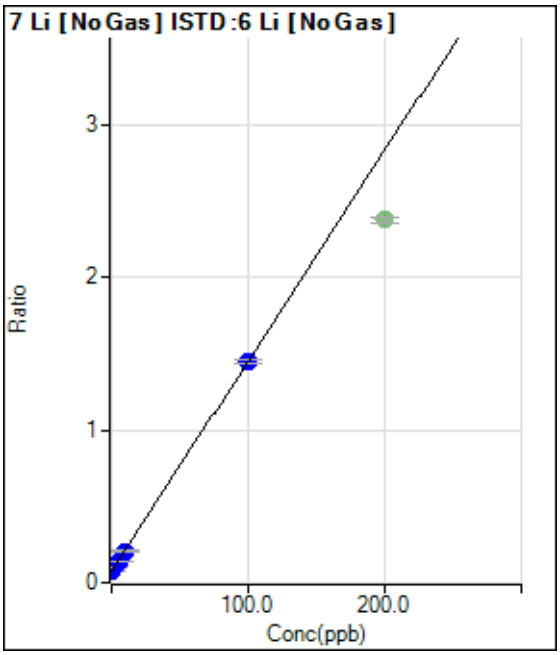
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1201519.72		A	2.1
2	☐	1.000		1256841.10		A	1.2
3	☐	1.000		1247792.64		A	1.1
4	☐	1.000		1229973.99		A	0.8
5	☐	1.000		1216568.11		A	1.4
6	☐	1.000		1181656.49		A	1.1

Calibration for 020_ICV.d

Batch Folder: C:\Agilent\ICPMH\1\DATA\062823A.b\
Analysis File: 062823A.batch.bin
DA Date-Time: 6/28/2023 1:33:06 PM
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	013CALB.d	CAL BLK	6/28/2023 10:39:38 AM
2	014CALS.d	2/10/200	6/28/2023 10:41:30 AM
3	015CALS.d	5/25/500	6/28/2023 10:43:22 AM
4	016CALS.d	10/50/100	6/28/2023 10:45:14 AM
5	017CALS.d	100/500/10K	6/28/2023 10:47:06 AM
6	018CALS.d	200/1000/20K	6/28/2023 10:48:54 AM

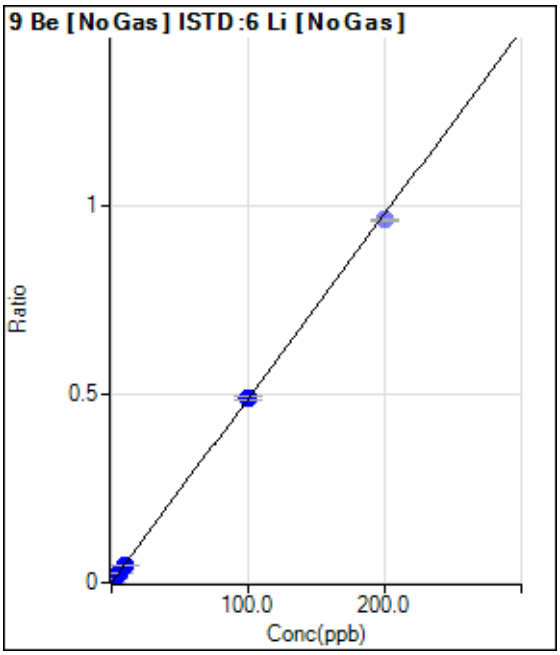
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	27566.99	0.0721	P	0.9
2	☐	2.000	2.118	38378.78	0.1013	P	1.1
3	☐	5.000	4.970	53148.28	0.1406	P	1.2
4	☐	10.000	9.759	78827.59	0.2065	P	1.4
5	☐	100.000	100.023	522975.20	1.4493	P	1.2
6	☑	200.000		842176.91	2.3743	A	1.7

y = 0.0138 * x + 0.0721
R = 1.0000
DL = 0.1439
BEC = 5.24

Weight: <None>
Min Conc: <None>

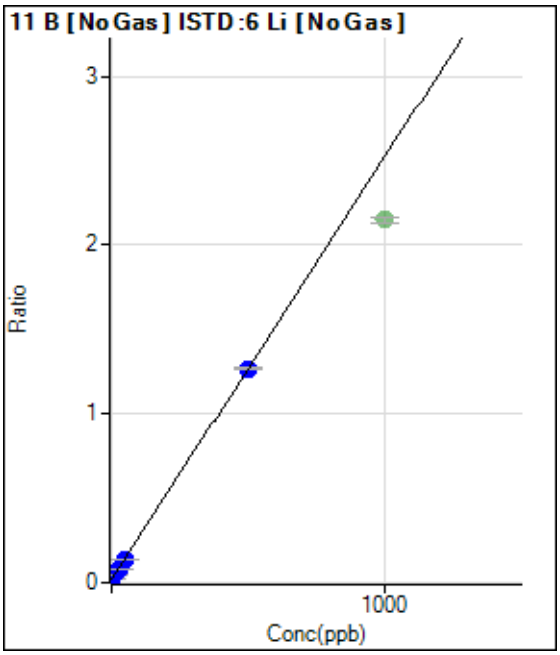


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	91.67	0.0002	P	10.7
2	☐	2.000	1.874	3563.81	0.0094	P	2.5
3	☐	5.000	4.814	8992.92	0.0238	P	1.3
4	☐	10.000	9.451	17739.63	0.0465	P	1.0
5	☐	100.000	100.067	176686.94	0.4897	P	1.9
6	☑	200.000		341772.42	0.9635	P	0.6

y = 0.0049 * x + 2.3978E-004
R = 1.0000
DL = 0.01579
BEC = 0.04902

Weight: <None>
Min Conc: <None>

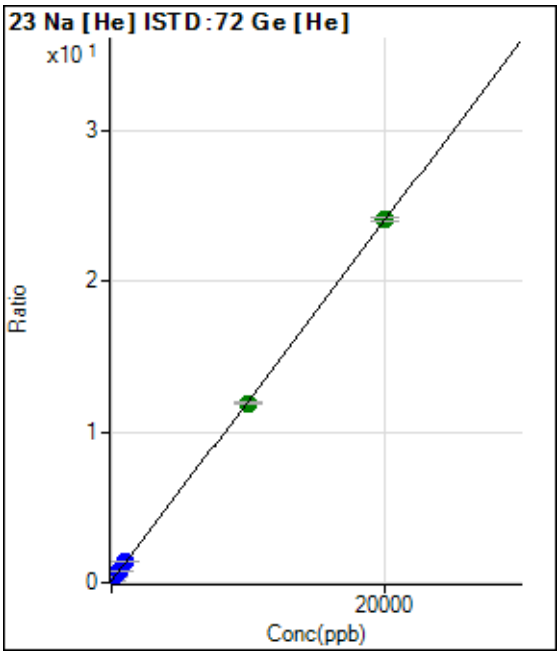
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6668.31	0.0174	P	3.4
2	☐	10.000	9.816	15914.08	0.0420	P	3.0
3	☐	25.000	24.645	29911.83	0.0791	P	0.5
4	☐	50.000	47.297	51823.53	0.1358	P	3.1
5	☐	500.000	500.292	457991.21	1.2692	P	0.6
6	☑	1000.000		762386.24	2.1491	A	1.7

y = 0.0025 * x + 0.0174
R = 1.0000
DL = 0.7212
BEC = 6.974

Weight: <None>
Min Conc: <None>

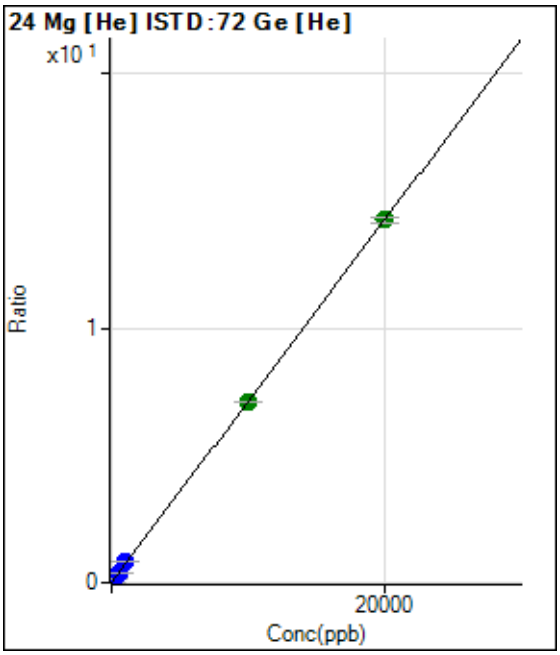


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	46591.26	0.1073	P	2.1
2	☐	200.000	220.066	161623.86	0.3702	P	1.4
3	☐	500.000	545.332	330572.32	0.7588	P	1.1
4	☐	1000.000	1082.094	609062.32	1.4001	P	0.9
5	☐	10000.000	9888.177	5144773.25	11.9213	A	0.9
6	☐	20000.000	20050.473	10129626.72	24.0629	A	1.0

y = 0.0012 * x + 0.1073
R = 1.0000
DL = 5.682
BEC = 89.79

Weight: <None>
Min Conc: <None>

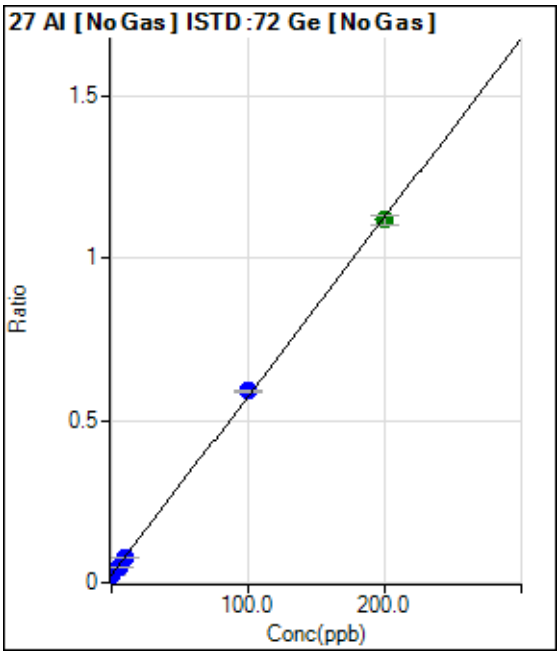
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4220.72	0.0097	P	4.6
2	☐	200.000	225.584	74350.85	0.1703	P	0.8
3	☐	500.000	561.445	178350.08	0.4094	P	0.6
4	☐	1000.000	1122.476	351812.23	0.8087	P	0.6
5	☐	10000.000	9960.283	3063973.81	7.0998	A	0.8
6	☐	20000.000	20011.943	6000709.49	14.2550	A	1.5

y = 7.1184E-004 * x + 0.0097
R = 1.0000
DL = 1.896
BEC = 13.66

Weight: <None>
Min Conc: <None>

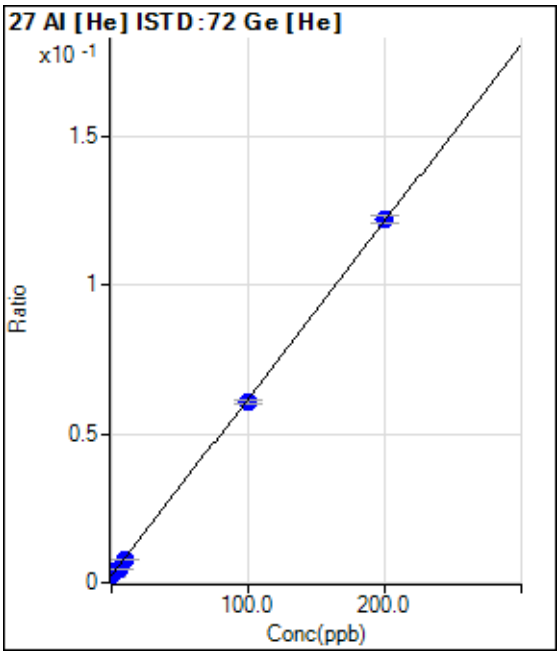


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	32611.98	0.0238	P	1.7
2	☐	2.000	1.766	46250.66	0.0335	P	3.0
3	☐	5.000	4.499	65979.65	0.0486	P	1.4
4	☐	10.000	9.610	104745.60	0.0767	P	0.7
5	☐	100.000	102.976	803151.86	0.5907	P	0.7
6	☐	200.000	198.546	1496413.10	1.1169	A	2.8

y = 0.0055 * x + 0.0238
R = 0.9998
DL = 0.2161
BEC = 4.328

Weight: <None>
Min Conc: <None>

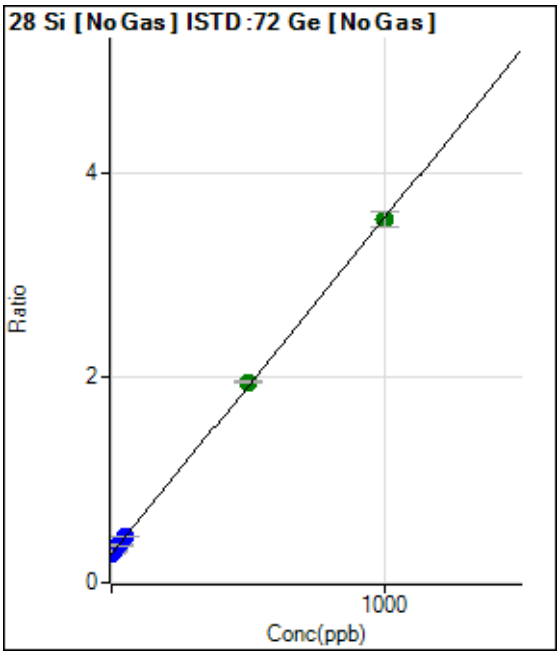
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1026.72	0.0024	P	10.1
2	☐	2.000	2.783	1756.86	0.0040	P	9.4
3	☐	5.000	3.802	2016.85	0.0046	P	3.7
4	☐	10.000	9.222	3417.16	0.0079	P	5.5
5	☐	100.000	98.390	26311.76	0.0610	P	1.9
6	☐	200.000	200.866	51355.01	0.1220	P	2.3

y = 5.9563E-004 * x + 0.0024
R = 0.9999
DL = 1.201
BEC = 3.971

Weight: <None>
Min Conc: <None>

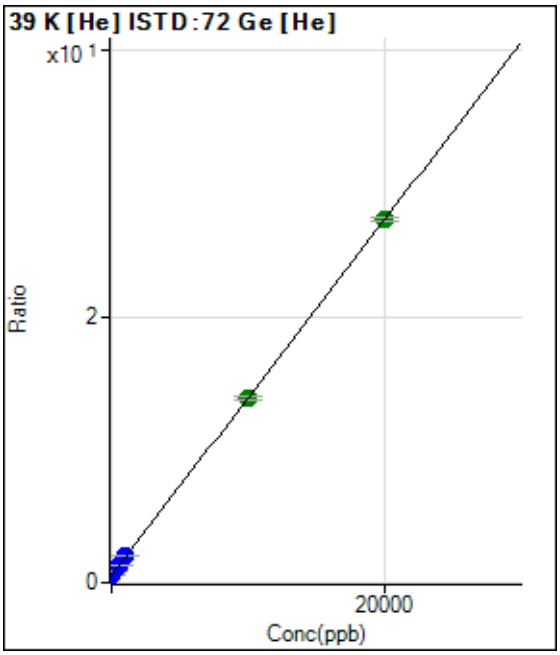


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	383503.15	0.2802	P	1.2
2	☐	10.000	8.377	424099.47	0.3076	P	2.0
3	☐	25.000	26.919	500219.34	0.3684	P	1.9
4	☐	50.000	52.444	617166.20	0.4521	P	2.1
5	☐	500.000	511.317	2660161.00	1.9566	A	0.9
6	☐	1000.000	994.188	4741350.03	3.5398	A	4.2

y = 0.0033 * x + 0.2802
R = 0.9999
DL = 2.974
BEC = 85.45

Weight: <None>
Min Conc: <None>

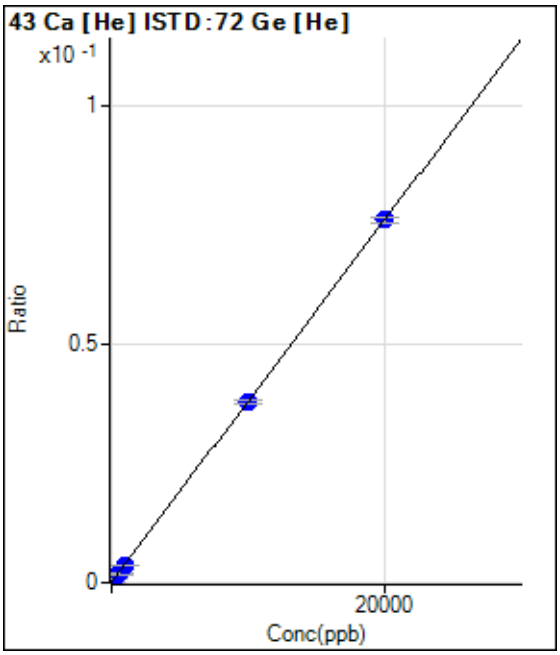
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	243635.66	0.5609	P	0.7
2	☐	200.000	211.110	367961.74	0.8429	P	1.8
3	☐	500.000	531.175	553333.72	1.2703	P	1.5
4	☐	1000.000	1062.978	861502.07	1.9805	P	0.9
5	☐	10000.000	10001.164	6006354.28	13.9170	A	2.3
6	☐	20000.000	19995.379	11477449.41	27.2637	A	1.1

y = 0.0013 * x + 0.5609
R = 1.0000
DL = 9.044
BEC = 420

Weight: <None>
Min Conc: <None>

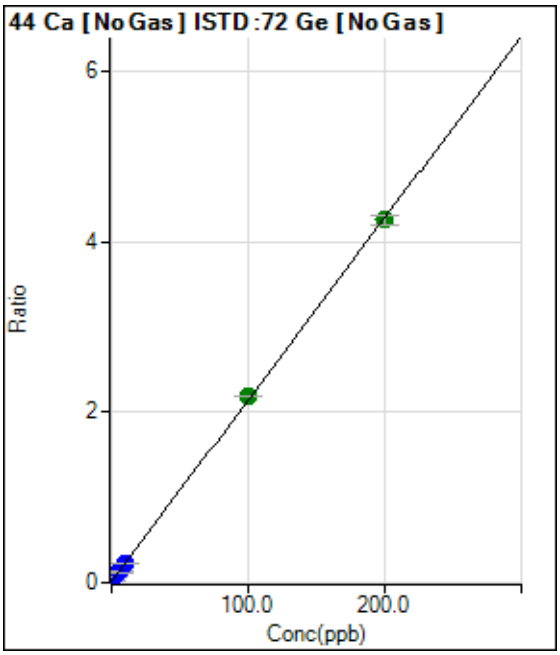


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	50.00	0.0001	P	1.0
2	☐	200.000	176.625	343.35	0.0008	P	17.8
3	☐	500.000	468.424	826.71	0.0019	P	9.3
4	☐	1000.000	925.294	1580.12	0.0036	P	3.4
5	☐	10000.000	9989.334	16436.71	0.0381	P	2.1
6	☐	20000.000	20010.091	32067.68	0.0762	P	1.4

y = 3.8013E-006 * x + 1.1512E-004
R = 1.0000
DL = 0.9308
BEC = 30.28

Weight: <None>
Min Conc: <None>

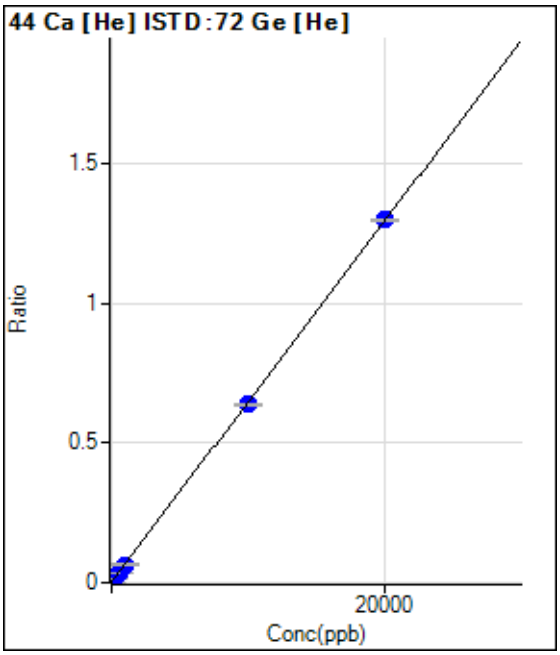
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	17454.58	0.0128	P	2.4
2	☐	2.000	2.131	80118.92	0.0581	P	3.5
3	☐	5.000	5.271	169709.19	0.1250	P	2.5
4	☐	10.000	10.445	321105.05	0.2352	P	1.1
5	☐	100.000	101.738	2963485.37	2.1796	A	0.3
6	☐	200.000	199.101	5699078.87	4.2533	A	2.4

y = 0.0213 * x + 0.0128
R = 0.9999
DL = 0.04351
BEC = 0.5988

Weight: <None>
Min Conc: <None>

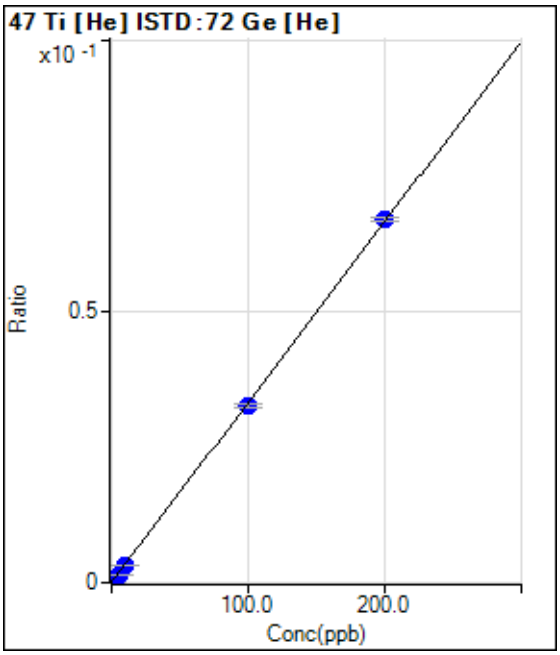


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	706.70	0.0016	P	8.9
2	☐	200.000	199.288	6331.59	0.0145	P	3.6
3	☐	500.000	496.838	14694.79	0.0337	P	3.8
4	☐	1000.000	978.566	28205.95	0.0649	P	3.2
5	☐	10000.000	9863.498	275729.40	0.6389	P	0.8
6	☐	20000.000	20069.409	546590.45	1.2983	P	0.8

y = 6.4611E-005 * x + 0.0016
R = 1.0000
DL = 6.722
BEC = 25.19

Weight: <None>
Min Conc: <None>

Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	26.67	0.0001	P	57.0
2	☐	2.000	1.654	266.68	0.0006	P	12.3
3	☐	5.000	4.147	626.69	0.0014	P	2.8
4	☐	10.000	9.188	1353.42	0.0031	P	2.5
5	☐	100.000	98.002	14064.07	0.0326	P	2.0
6	☐	200.000	201.064	28125.78	0.0668	P	1.2

y = 3.3196E-004 * x + 6.1227E-005

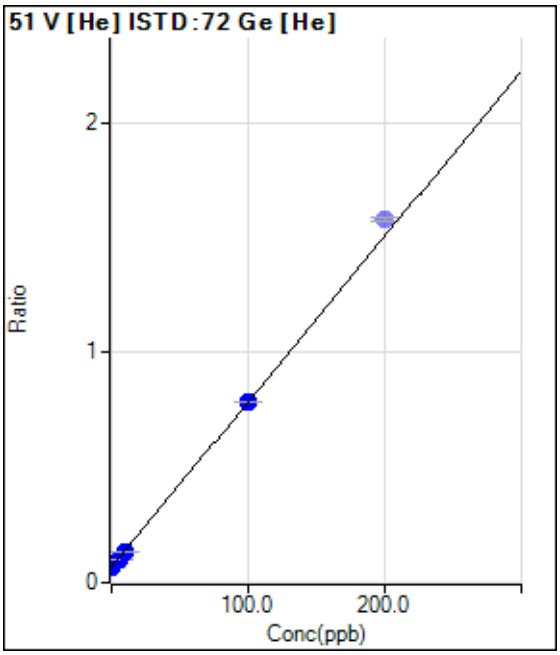
R = 0.9999

DL = 0.3156

BEC = 0.1844

Weight: <None>

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	29625.28	0.0682	P	2.1
2	☐	2.000	2.138	36481.75	0.0836	P	0.8
3	☐	5.000	4.905	45052.64	0.1034	P	1.5
4	☐	10.000	9.020	57831.32	0.1329	P	1.3
5	☐	100.000	100.100	339463.39	0.7866	P	0.6
6	☑	200.000		663371.24	1.5758	P	0.9

y = 0.0072 * x + 0.0682

R = 0.9999

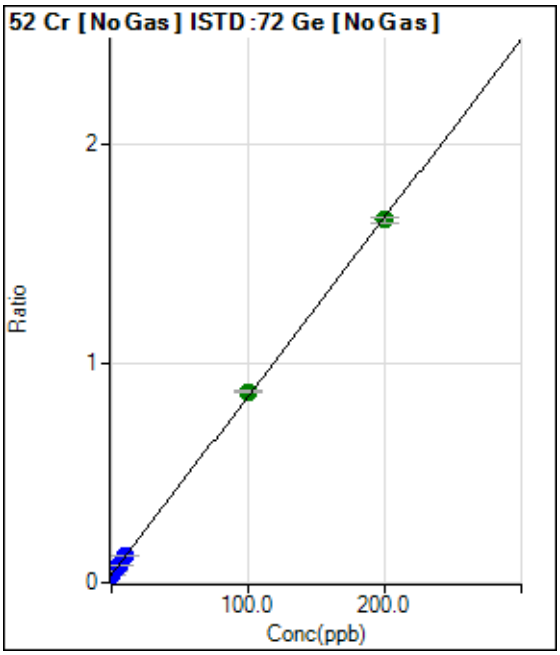
DL = 0.6034

BEC = 9.505

Weight: <None>

Min Conc: <None>

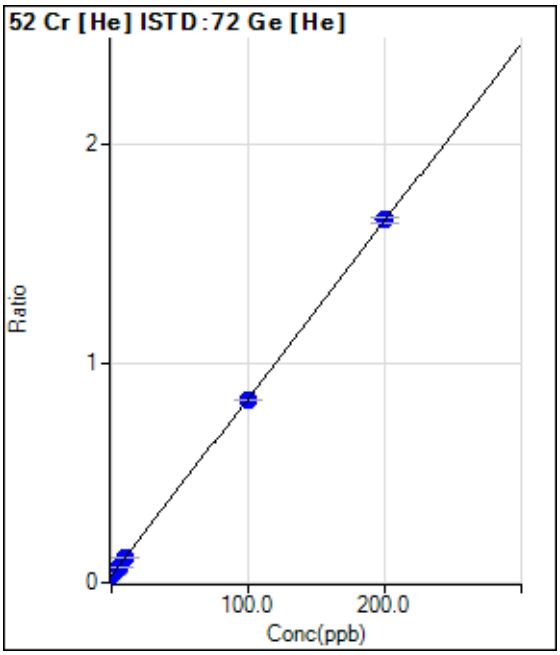
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	50677.31	0.0370	P	2.7
2	☐	2.000	2.095	74572.38	0.0541	P	1.2
3	☐	5.000	5.364	109578.38	0.0807	P	1.8
4	☐	10.000	10.418	166374.33	0.1219	P	0.8
5	☐	100.000	102.508	1185350.45	0.8718	A	0.8
6	☐	200.000	198.715	2218290.07	1.6553	A	1.8

y = 0.0081 * x + 0.0370
R = 0.9999
DL = 0.3639
BEC = 4.547

Weight: <None>
Min Conc: <None>

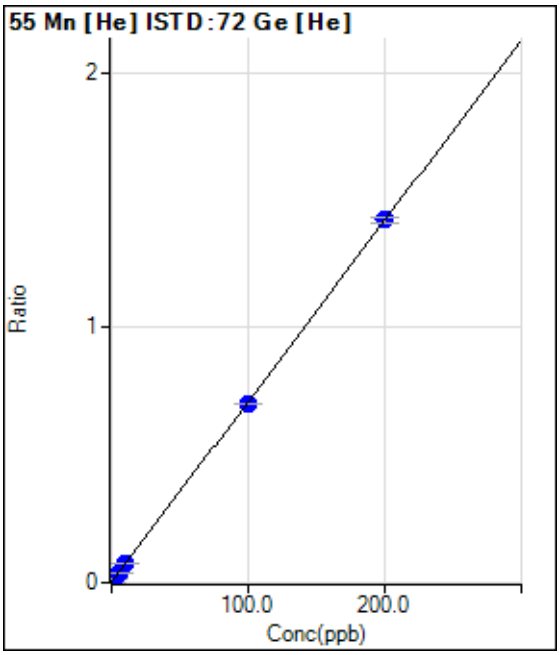


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	14417.85	0.0332	P	2.0
2	☐	2.000	1.712	20538.98	0.0470	P	2.2
3	☐	5.000	4.839	31503.34	0.0723	P	3.1
4	☐	10.000	9.812	48947.61	0.1126	P	3.7
5	☐	100.000	98.625	358532.86	0.8308	P	0.2
6	☐	200.000	200.704	697270.02	1.6564	P	1.8

y = 0.0081 * x + 0.0332
R = 1.0000
DL = 0.2409
BEC = 4.105

Weight: <None>
Min Conc: <None>

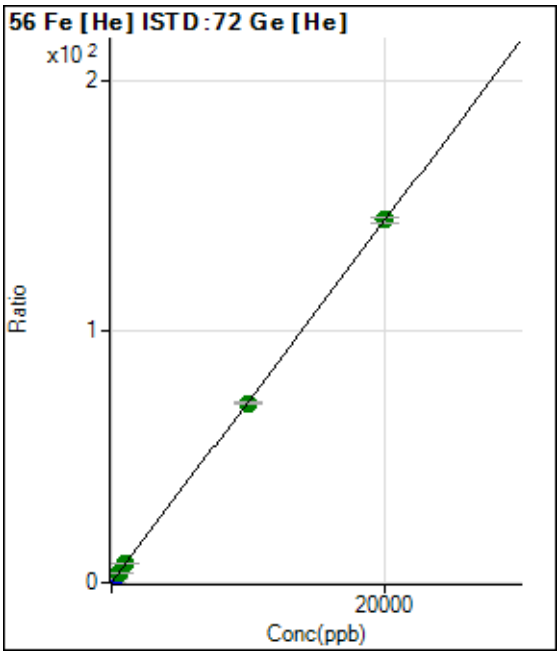
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	586.69	0.0013	P	16.8
2	☐	2.000	1.956	6638.38	0.0152	P	2.9
3	☐	5.000	5.023	16089.70	0.0369	P	0.5
4	☐	10.000	10.035	31509.85	0.0724	P	0.6
5	☐	100.000	98.839	302702.48	0.7015	P	0.6
6	☐	200.000	200.579	598668.18	1.4221	P	1.3

y = 0.0071 * x + 0.0013
R = 1.0000
DL = 0.09596
BEC = 0.1906

Weight: <None>
Min Conc: <None>

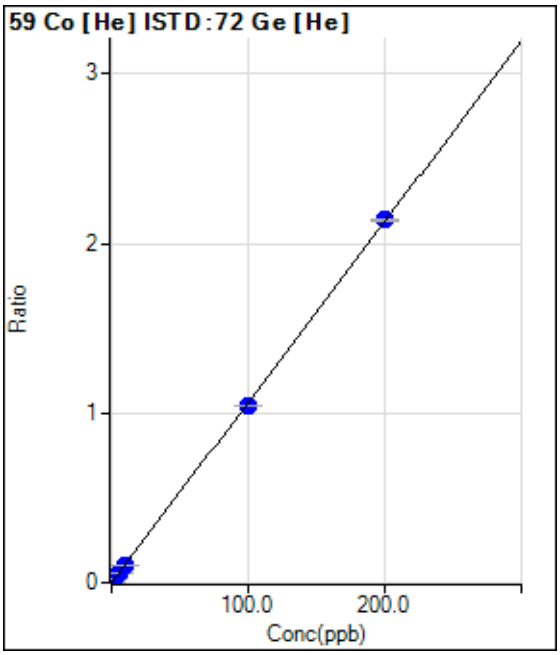


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	45984.42	0.1059	P	2.6
2	☐	200.000	209.354	704707.44	1.6141	P	0.8
3	☐	500.000	510.986	1649457.89	3.7871	A	2.4
4	☐	1000.000	1003.690	3191537.87	7.3366	A	0.6
5	☐	10000.000	9905.044	30838657.04	71.4634	A	0.7
6	☐	20000.000	20046.925	60835224.09	144.5272	A	1.9

y = 0.0072 * x + 0.1059
R = 1.0000
DL = 1.134
BEC = 14.7

Weight: <None>
Min Conc: <None>

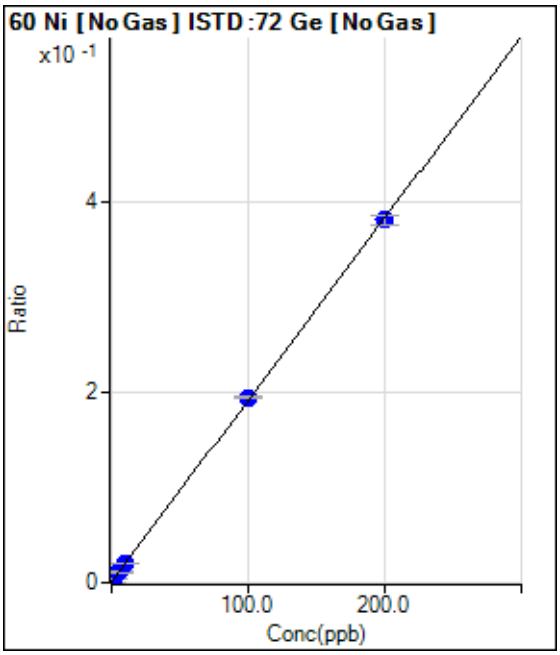
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	53.33	0.0001	P	28.8
2	☐	2.000	2.054	9596.87	0.0220	P	2.7
3	☐	5.000	5.069	23554.05	0.0541	P	3.7
4	☐	10.000	9.882	45800.60	0.1053	P	1.4
5	☐	100.000	97.923	449795.70	1.0423	P	0.6
6	☐	200.000	201.042	900779.41	2.1397	P	0.4

y = 0.0106 * x + 1.2286E-004
R = 0.9999
DL = 0.009968
BEC = 0.01154

Weight: <None>
Min Conc: <None>

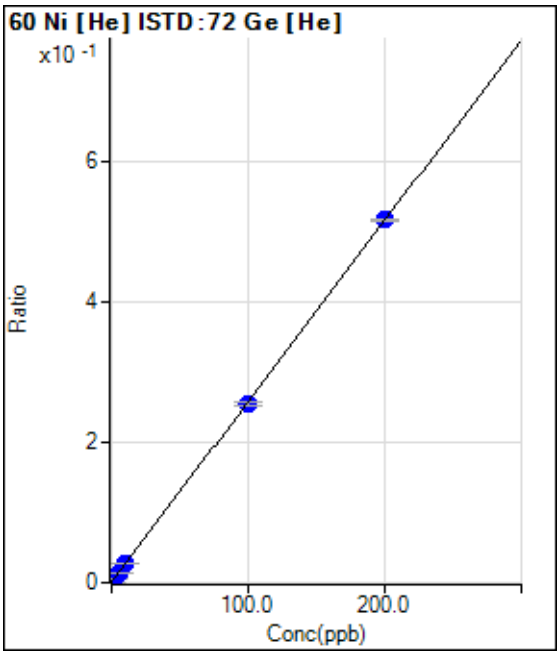


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1123.40	0.0008	P	7.9
2	☐	2.000	2.073	6578.36	0.0048	P	5.5
3	☐	5.000	5.404	15108.65	0.0111	P	5.3
4	☐	10.000	10.268	27862.04	0.0204	P	3.4
5	☐	100.000	101.563	264514.92	0.1946	P	1.2
6	☐	200.000	199.194	510197.21	0.3808	P	2.8

y = 0.0019 * x + 8.2118E-004
R = 1.0000
DL = 0.1026
BEC = 0.4305

Weight: <None>
Min Conc: <None>

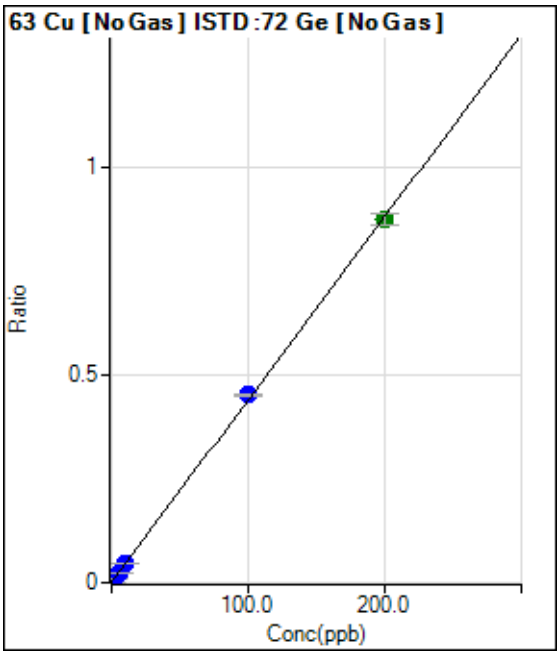
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	430.01	0.0010	P	19.5
2	☐	2.000	2.089	2780.35	0.0064	P	4.2
3	☐	5.000	4.957	5984.75	0.0138	P	8.3
4	☐	10.000	10.165	11815.33	0.0272	P	0.4
5	☐	100.000	99.015	110438.46	0.2559	P	2.3
6	☐	200.000	200.484	217689.80	0.5171	P	0.6

y = 0.0026 * x + 9.8962E-004
R = 1.0000
DL = 0.2245
BEC = 0.3844

Weight: <None>
Min Conc: <None>

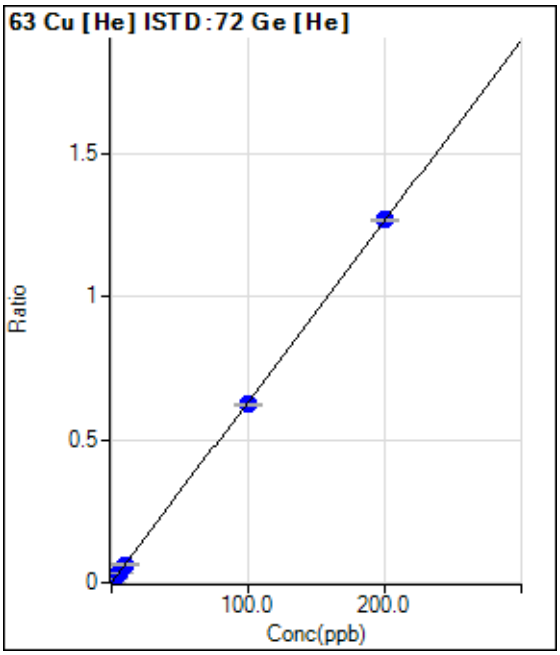


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1090.06	0.0008	P	14.1
2	☐	2.000	2.151	14147.59	0.0103	P	2.2
3	☐	5.000	5.311	32819.90	0.0242	P	2.1
4	☐	10.000	10.435	63786.06	0.0467	P	0.7
5	☐	100.000	102.875	616693.68	0.4536	P	1.1
6	☐	200.000	198.531	1171739.83	0.8746	A	3.2

y = 0.0044 * x + 7.9676E-004
R = 0.9999
DL = 0.07651
BEC = 0.181

Weight: <None>
Min Conc: <None>

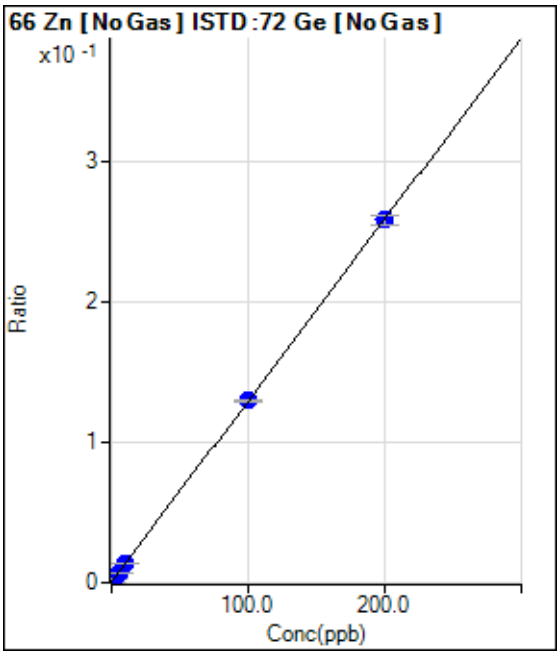
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	226.67	0.0005	P	45.1
2	☐	2.000	2.080	5971.41	0.0137	P	5.0
3	☐	5.000	5.012	14030.77	0.0322	P	5.6
4	☐	10.000	9.973	27671.81	0.0636	P	1.9
5	☐	100.000	98.633	269514.39	0.6245	P	1.3
6	☐	200.000	200.684	534684.00	1.2701	P	0.8

y = 0.0063 * x + 5.2130E-004
R = 1.0000
DL = 0.1115
BEC = 0.0824

Weight: <None>
Min Conc: <None>

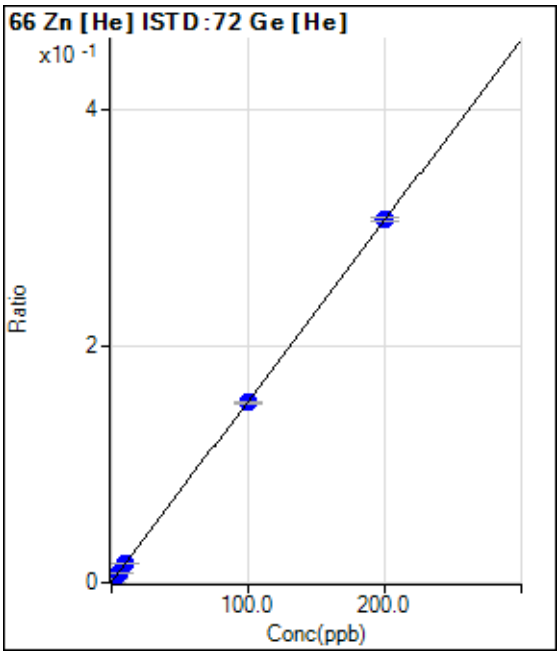


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	656.69	0.0005	P	5.0
2	☐	2.000	2.101	4404.13	0.0032	P	4.1
3	☐	5.000	5.194	9763.68	0.0072	P	2.7
4	☐	10.000	10.048	18379.41	0.0135	P	3.4
5	☐	100.000	100.308	176877.90	0.1301	P	1.1
6	☐	200.000	199.838	346655.59	0.2587	P	2.7

y = 0.0013 * x + 4.7955E-004
R = 1.0000
DL = 0.05602
BEC = 0.3711

Weight: <None>
Min Conc: <None>

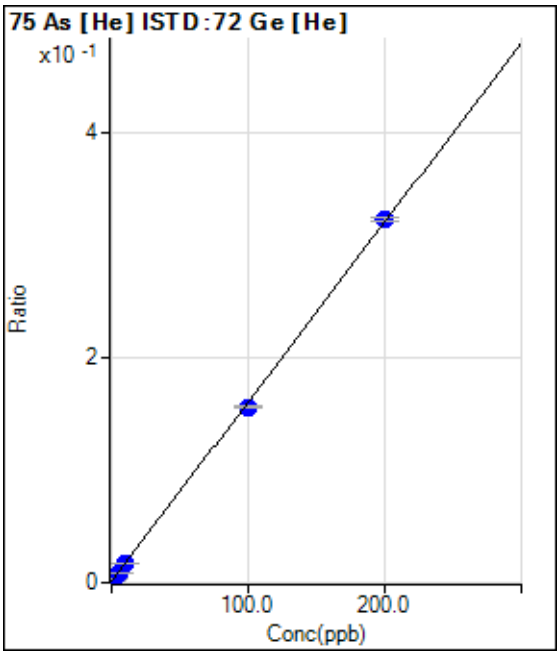
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	266.67	0.0006	P	38.6
2	☐	2.000	1.811	1476.77	0.0034	P	16.0
3	☐	5.000	4.769	3443.84	0.0079	P	0.7
4	☐	10.000	9.846	6815.18	0.0157	P	2.0
5	☐	100.000	99.398	65829.96	0.1526	P	1.0
6	☐	200.000	200.316	129164.69	0.3068	P	1.2

y = 0.0015 * x + 6.1553E-004
R = 1.0000
DL = 0.4664
BEC = 0.4027

Weight: <None>
Min Conc: <None>

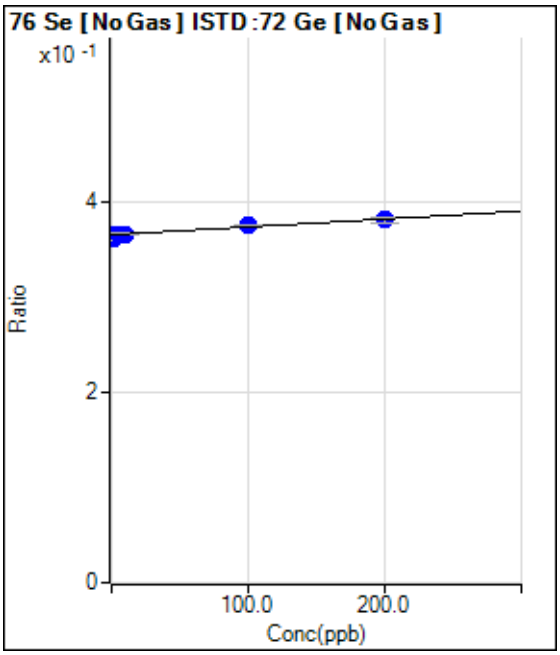


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	487.79	0.0011	P	3.1
2	☐	2.000	1.807	1747.90	0.0040	P	0.9
3	☐	5.000	4.804	3826.12	0.0088	P	2.8
4	☐	10.000	9.732	7238.64	0.0166	P	2.2
5	☐	100.000	97.229	67370.34	0.1561	P	0.4
6	☐	200.000	201.406	135628.21	0.3222	P	1.2

y = 0.0016 * x + 0.0011
R = 0.9999
DL = 0.06571
BEC = 0.7046

Weight: <None>
Min Conc: <None>

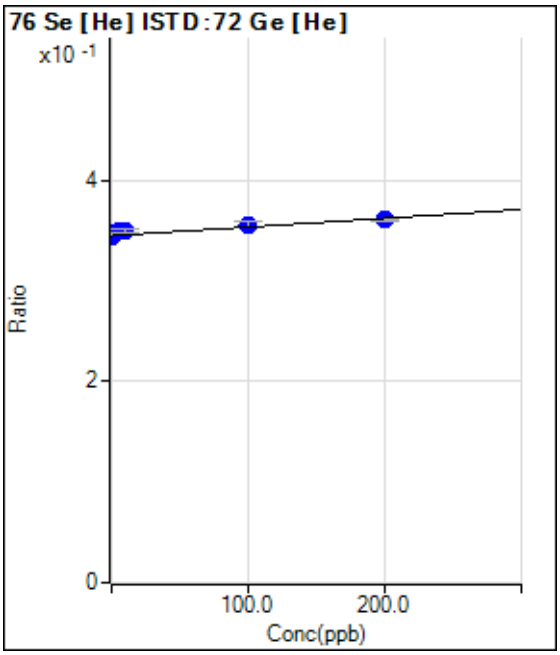
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	500798.13	0.3658	P	0.6
2	☐	2.000	-41.179	499646.87	0.3624	P	1.4
3	☐	5.000	1.637	496983.51	0.3660	P	0.3
4	☐	10.000	8.383	500371.20	0.3665	P	0.4
5	☐	100.000	125.709	511645.08	0.3763	P	0.2
6	☐	200.000	187.742	511200.25	0.3815	P	1.9

y = 8.3267E-005 * x + 0.3658
R = 0.9693
DL = 74.54
BEC = 4394

Weight: <None>
Min Conc: <None>

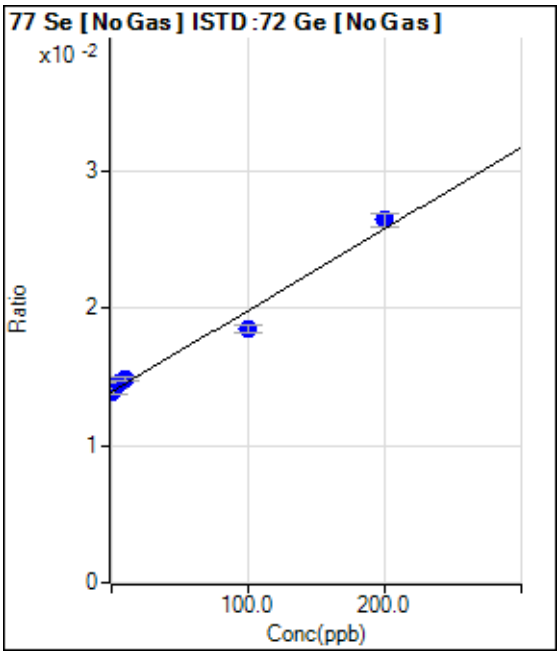


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	149977.15	0.3453	P	1.3
2	☐	2.000	28.737	151867.13	0.3478	P	1.2
3	☐	5.000	54.264	152470.54	0.3500	P	1.7
4	☐	10.000	52.640	152198.10	0.3499	P	1.2
5	☐	100.000	131.123	153954.59	0.3567	P	1.6
6	☐	200.000	180.807	151989.18	0.3610	P	0.8

y = 8.7029E-005 * x + 0.3453
R = 0.9549
DL = 150.5
BEC = 3968

Weight: <None>
Min Conc: <None>

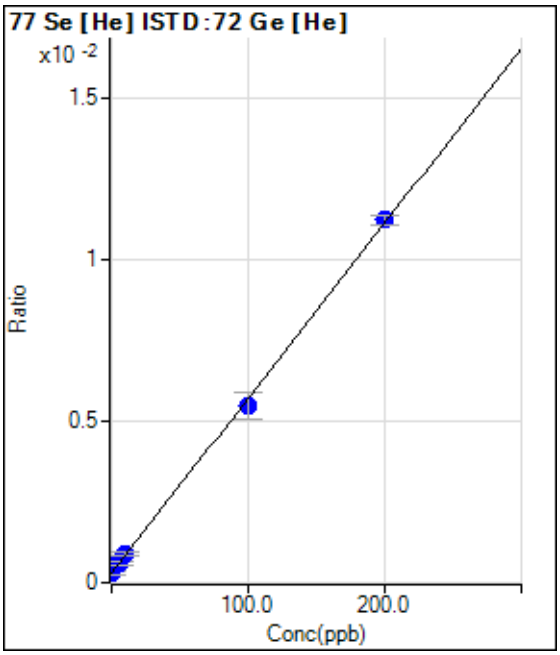
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	19063.86	0.0139	P	3.2
2	☐	2.000	0.895	19270.62	0.0140	P	3.3
3	☐	5.000	12.311	19904.99	0.0147	P	0.7
4	☐	10.000	15.330	20258.82	0.0148	P	1.8
5	☐	100.000	77.428	25193.90	0.0185	P	2.6
6	☐	200.000	210.848	35467.00	0.0265	P	3.5

y = 5.9487E-005 * x + 0.0139
R = 0.9895
DL = 22.25
BEC = 234.1

Weight: <None>
Min Conc: <None>

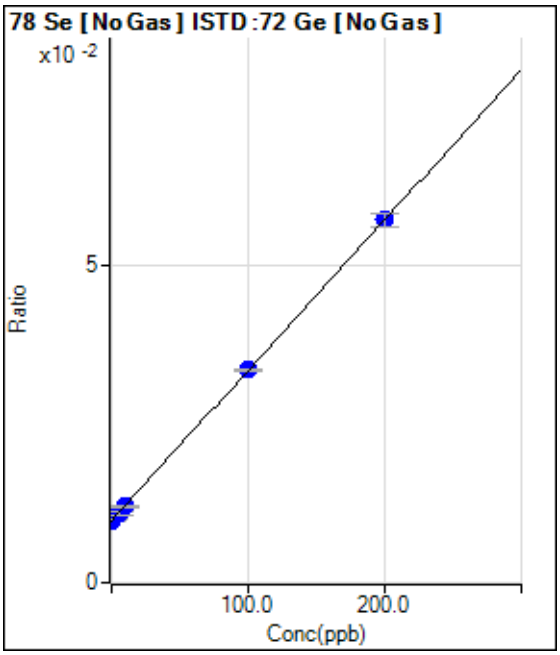


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	130.00	0.0003	P	22.6
2	☐	2.000	4.065	226.68	0.0005	P	9.7
3	☐	5.000	5.497	260.01	0.0006	P	18.0
4	☐	10.000	10.877	386.68	0.0009	P	13.7
5	☐	100.000	95.880	2370.25	0.0055	P	15.0
6	☐	200.000	201.983	4734.24	0.0112	P	2.8

y = 5.4184E-005 * x + 2.9911E-004
R = 0.9996
DL = 3.735
BEC = 5.52

Weight: <None>
Min Conc: <None>

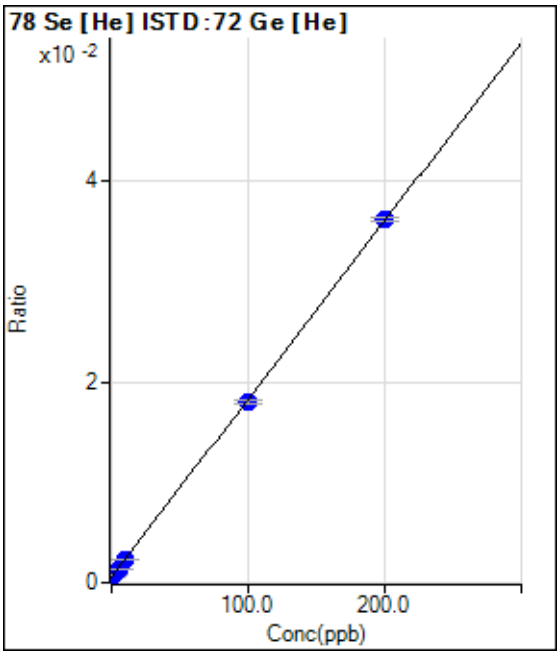
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	13396.89	0.0098	P	2.7
2	☐	2.000	1.538	13987.49	0.0101	P	3.2
3	☐	5.000	4.552	14748.31	0.0109	P	4.4
4	☐	10.000	9.277	16353.48	0.0120	P	1.1
5	☐	100.000	100.127	45517.22	0.0335	P	0.8
6	☐	200.000	199.988	76496.47	0.0571	P	3.4

y = 2.3660E-004 * x + 0.0098
R = 1.0000
DL = 3.383
BEC = 41.36

Weight: <None>
Min Conc: <None>

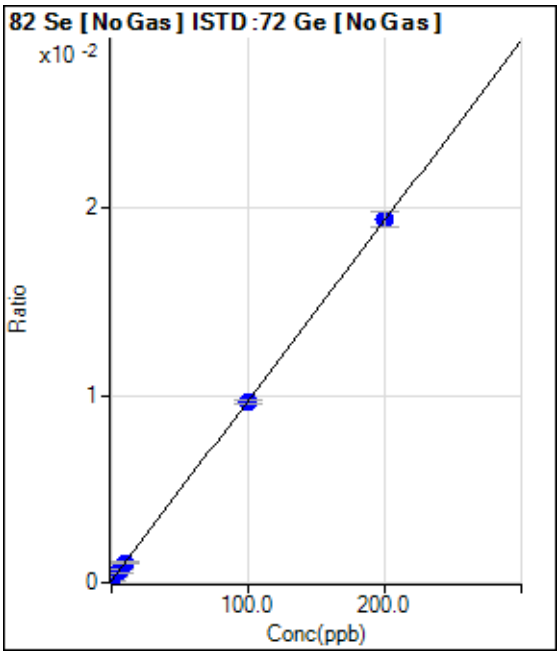


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	245.33	0.0006	P	2.0
2	☐	2.000	1.355	351.34	0.0008	P	2.7
3	☐	5.000	4.809	617.35	0.0014	P	1.4
4	☐	10.000	9.783	1000.04	0.0023	P	4.4
5	☐	100.000	98.731	7790.27	0.0181	P	1.8
6	☐	200.000	200.657	15200.55	0.0361	P	0.9

y = 1.7714E-004 * x + 5.6489E-004
R = 1.0000
DL = 0.1933
BEC = 3.189

Weight: <None>
Min Conc: <None>

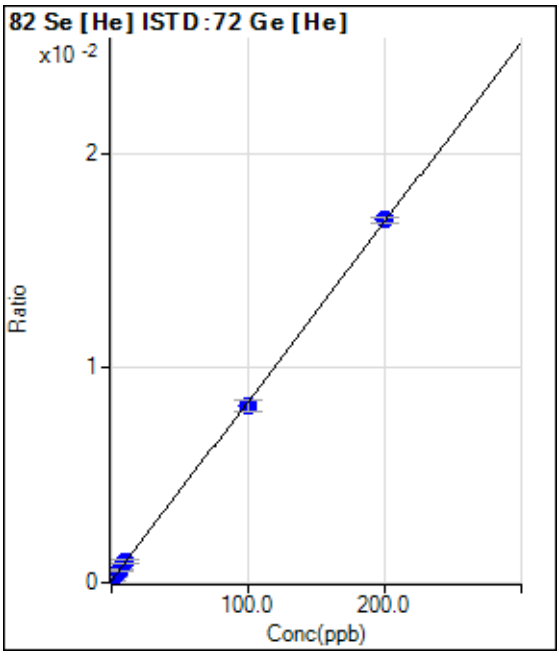
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	158.72	0.0001	P	49.9
2	☐	2.000	2.568	499.27	0.0004	P	19.2
3	☐	5.000	5.204	838.85	0.0006	P	26.7
4	☐	10.000	10.005	1472.39	0.0011	P	3.2
5	☐	100.000	99.265	13148.91	0.0097	P	2.6
6	☐	200.000	200.356	25984.38	0.0194	P	4.2

y = 9.6243E-005 * x + 1.1571E-004
R = 1.0000
DL = 1.8
BEC = 1.202

Weight: <None>
Min Conc: <None>

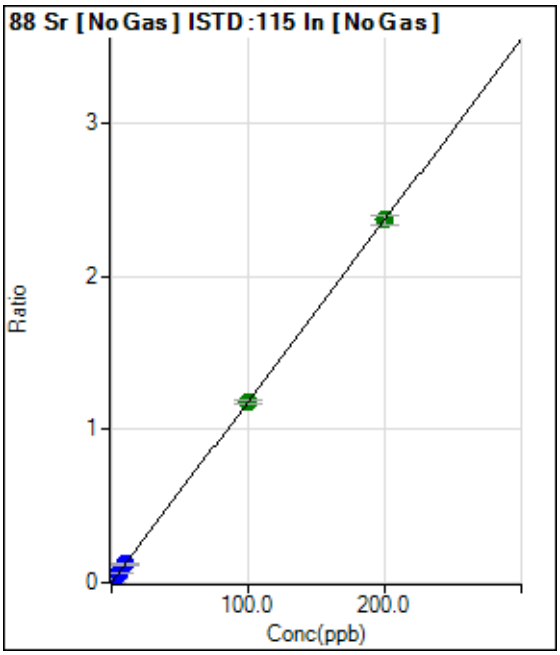


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	40.00	0.0001	P	42.7
2	☐	2.000	2.104	116.67	0.0003	P	28.3
3	☐	5.000	5.502	240.01	0.0006	P	12.8
4	☐	10.000	10.645	426.68	0.0010	P	14.4
5	☐	100.000	97.612	3560.54	0.0082	P	7.2
6	☐	200.000	201.148	7115.33	0.0169	P	1.7

y = 8.3577E-005 * x + 9.1851E-005
R = 0.9999
DL = 1.409
BEC = 1.099

Weight: <None>
Min Conc: <None>

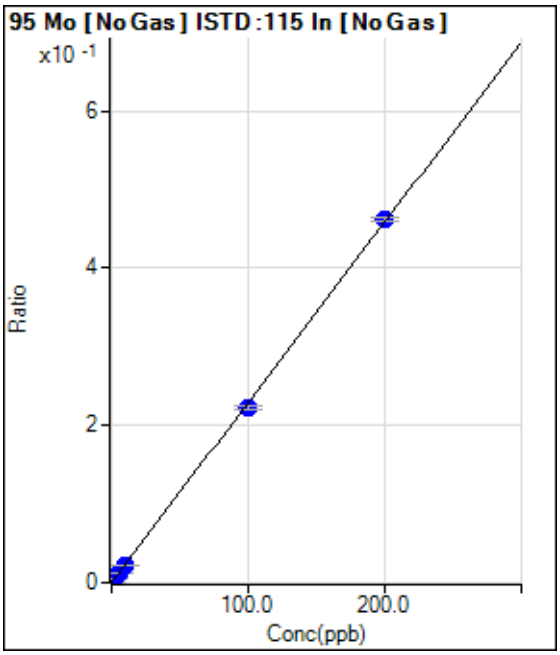
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1363.43	0.0009	P	8.6
2	☐	2.000	2.062	39715.93	0.0253	P	2.9
3	☐	5.000	5.197	96472.05	0.0623	P	1.6
4	☐	10.000	10.130	189938.47	0.1207	P	2.5
5	☐	100.000	99.619	1828631.54	1.1788	A	1.3
6	☐	200.000	200.178	3550388.38	2.3678	A	2.6

y = 0.0118 * x + 8.7790E-004
R = 1.0000
DL = 0.01917
BEC = 0.07425

Weight: <None>
Min Conc: <None>

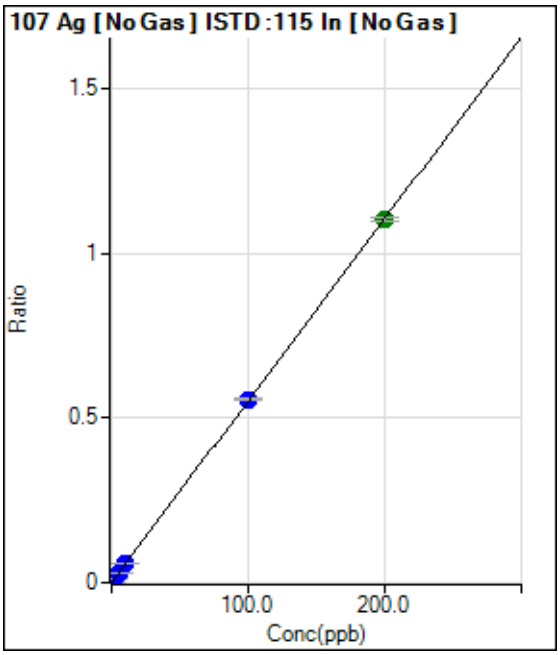


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	650.03	0.0004	P	18.7
2	☐	2.000	1.882	7435.55	0.0047	P	4.1
3	☐	5.000	4.853	17845.60	0.0115	P	2.4
4	☐	10.000	9.574	35159.98	0.0223	P	3.7
5	☐	100.000	97.288	346132.56	0.2231	P	2.1
6	☐	200.000	201.382	692097.88	0.4615	P	1.1

y = 0.0023 * x + 4.1934E-004
R = 0.9999
DL = 0.1028
BEC = 0.1832

Weight: <None>
Min Conc: <None>

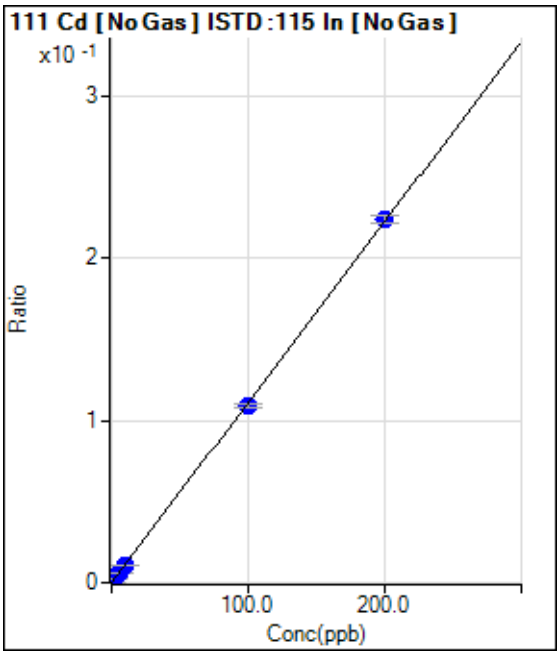
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	700.03	0.0005	P	10.6
2	☐	2.000	1.953	17675.43	0.0112	P	2.3
3	☐	5.000	5.143	44669.02	0.0289	P	3.3
4	☐	10.000	10.132	88836.91	0.0564	P	1.8
5	☐	100.000	100.837	864873.35	0.5575	P	1.7
6	☐	200.000	199.572	1654331.64	1.1030	A	1.0

y = 0.0055 * x + 4.5064E-004
R = 1.0000
DL = 0.02589
BEC = 0.08157

Weight: <None>
Min Conc: <None>

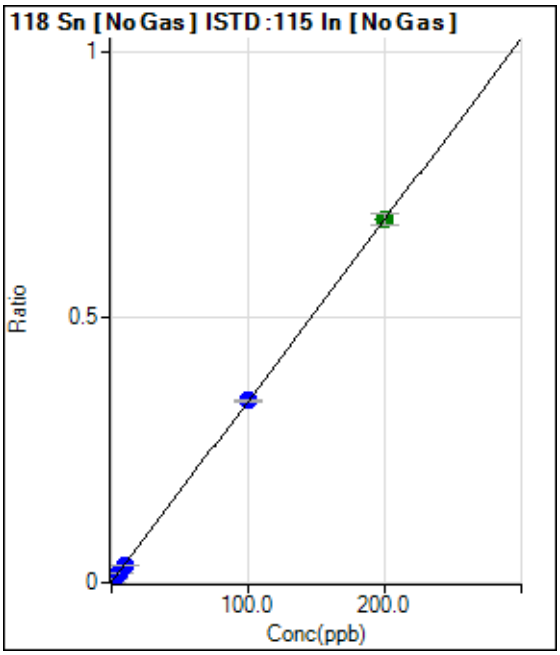


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	-7.40	0.0000	P	-86.7
2	☐	2.000	1.937	3380.87	0.0021	P	3.9
3	☐	5.000	5.025	8641.10	0.0056	P	1.8
4	☐	10.000	9.700	16974.29	0.0108	P	1.7
5	☐	100.000	97.892	168839.82	0.1088	P	1.9
6	☐	200.000	201.069	335252.45	0.2236	P	2.2

y = 0.0011 * x - 4.7487E-006
R = 0.9999
DL = 0.0111
BEC = -0.004271

Weight: <None>
Min Conc: <None>

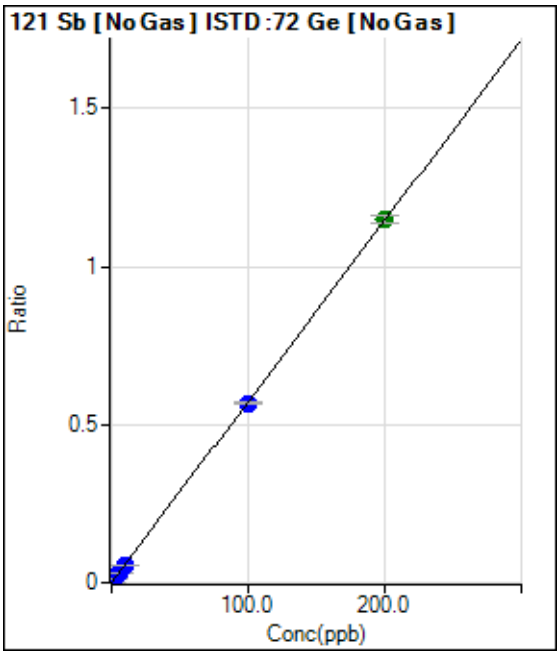
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1203.41	0.0008	P	5.9
2	☐	2.000	1.907	11475.23	0.0073	P	1.3
3	☐	5.000	4.881	27028.27	0.0175	P	0.5
4	☐	10.000	9.779	53867.24	0.0342	P	0.3
5	☐	100.000	100.102	532044.37	0.3430	P	1.8
6	☐	200.000	199.964	1026190.69	0.6844	A	3.1

y = 0.0034 * x + 7.7530E-004
R = 1.0000
DL = 0.04003
BEC = 0.2268

Weight: <None>
Min Conc: <None>

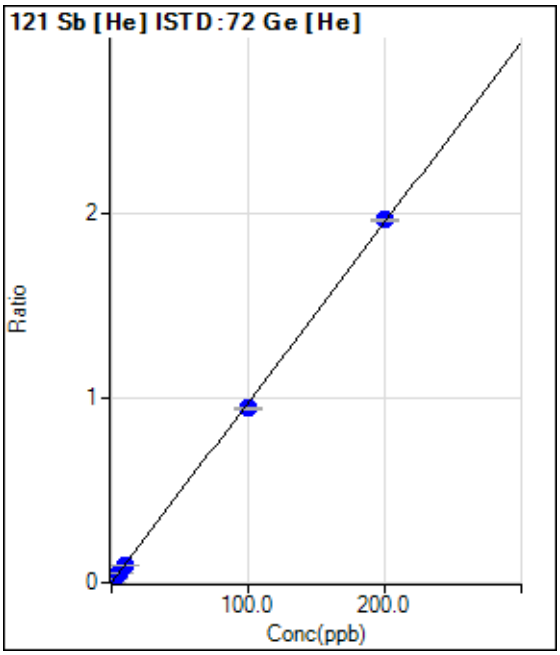


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	613.36	0.0004	P	8.6
2	☐	2.000	1.873	15382.61	0.0112	P	3.2
3	☐	5.000	4.933	38914.64	0.0287	P	2.5
4	☐	10.000	9.876	77732.58	0.0569	P	1.2
5	☐	100.000	99.055	770959.57	0.5671	P	0.9
6	☐	200.000	200.482	1537408.36	1.1472	A	2.1

y = 0.0057 * x + 4.4838E-004
R = 1.0000
DL = 0.02015
BEC = 0.07839

Weight: <None>
Min Conc: <None>

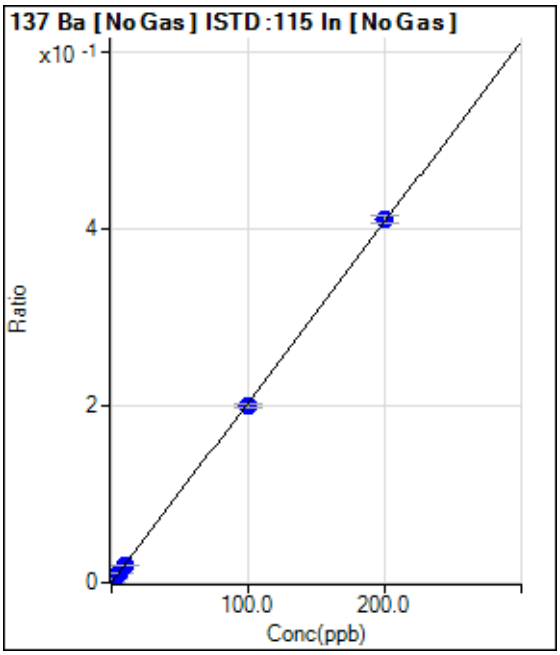
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	323.35	0.0007	P	37.4
2	☐	2.000	1.848	8192.70	0.0188	P	3.9
3	☐	5.000	4.785	20649.91	0.0474	P	1.4
4	☐	10.000	9.708	41495.95	0.0954	P	4.2
5	☐	100.000	97.031	408612.73	0.9468	P	1.1
6	☐	200.000	201.506	827434.44	1.9655	P	0.8

y = 0.0098 * x + 7.4473E-004
R = 0.9998
DL = 0.08578
BEC = 0.07638

Weight: <None>
Min Conc: <None>

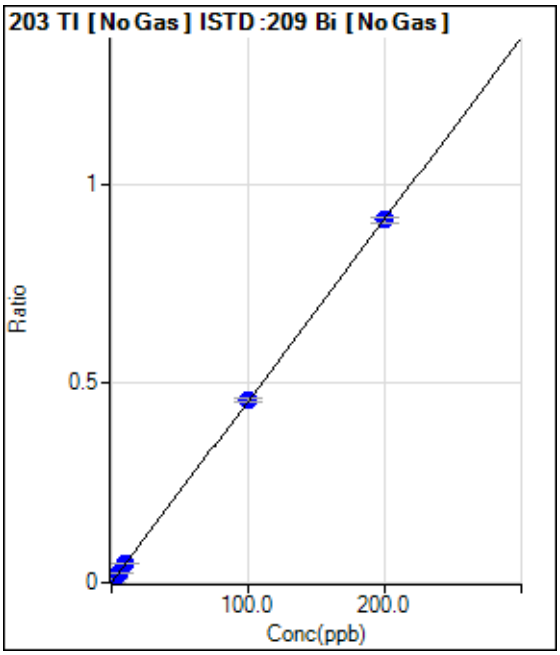


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	150.00	0.0001	P	18.4
2	☐	2.000	1.828	6008.15	0.0038	P	8.3
3	☐	5.000	4.874	15522.87	0.0100	P	2.7
4	☐	10.000	9.682	31211.18	0.0198	P	2.7
5	☐	100.000	97.755	309132.90	0.1993	P	2.6
6	☐	200.000	201.143	614806.46	0.4100	P	2.0

y = 0.0020 * x + 9.6727E-005
R = 0.9999
DL = 0.02618
BEC = 0.04747

Weight: <None>
Min Conc: <None>

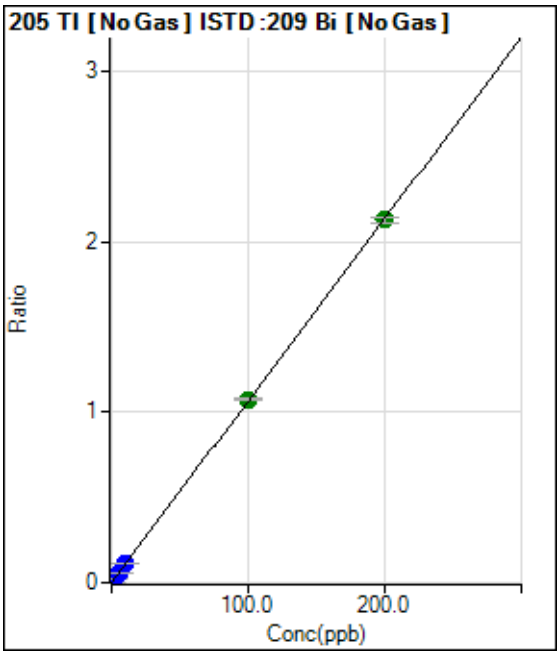
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	173.34	0.0002	P	27.3
2	☐	2.000	2.229	11088.46	0.0103	P	3.9
3	☐	5.000	5.382	26728.97	0.0247	P	1.2
4	☐	10.000	10.436	52209.10	0.0477	P	2.7
5	☐	100.000	100.402	499334.39	0.4572	P	2.1
6	☐	200.000	199.765	983252.22	0.9095	P	1.3

y = 0.0046 * x + 1.6022E-004
R = 1.0000
DL = 0.02877
BEC = 0.0352

Weight: <None>
Min Conc: <None>

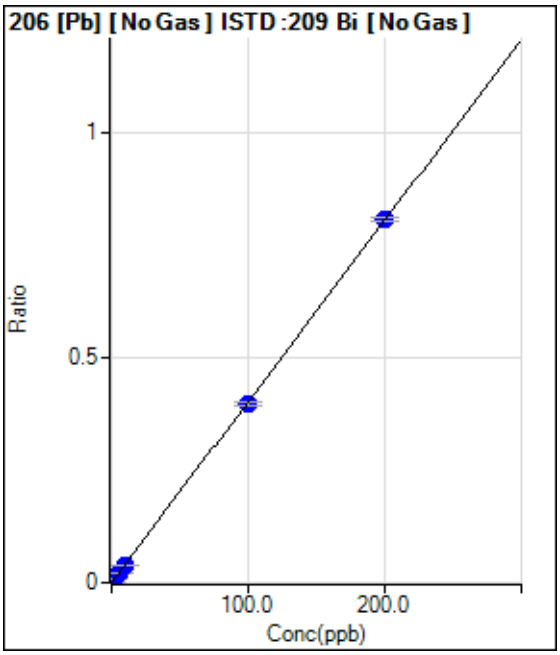


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	473.35	0.0004	P	19.3
2	☐	2.000	2.146	25132.25	0.0234	P	0.9
3	☐	5.000	5.392	62898.21	0.0580	P	1.2
4	☐	10.000	10.342	121443.72	0.1109	P	1.8
5	☐	100.000	100.833	1176736.13	1.0773	A	1.3
6	☐	200.000	199.555	2304287.26	2.1316	A	1.4

y = 0.0107 * x + 4.3774E-004
R = 1.0000
DL = 0.02369
BEC = 0.04099

Weight: <None>
Min Conc: <None>

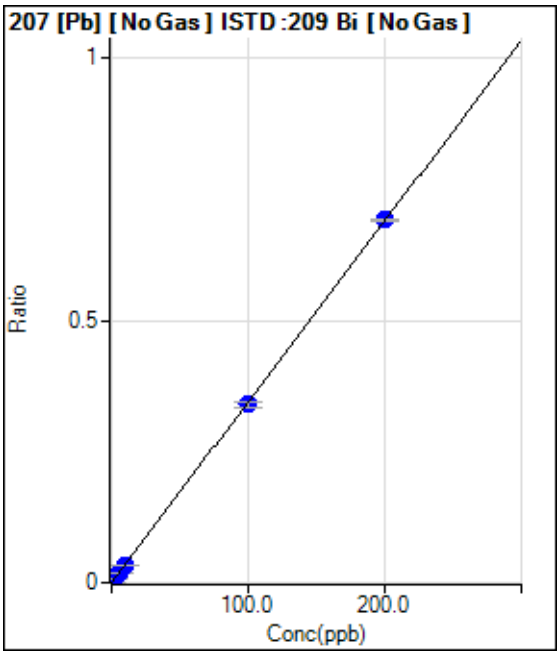
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	206.67	0.0002	P	8.8
2	☐	2.000	2.056	9090.13	0.0084	P	3.9
3	☐	5.000	4.859	21355.26	0.0197	P	1.2
4	☐	10.000	9.935	43900.79	0.0401	P	1.3
5	☐	100.000	99.136	434935.55	0.3983	P	2.2
6	☐	200.000	200.438	870258.53	0.8050	P	1.1

y = 0.0040 * x + 1.9096E-004
R = 1.0000
DL = 0.01262
BEC = 0.04756

Weight: <None>
Min Conc: <None>

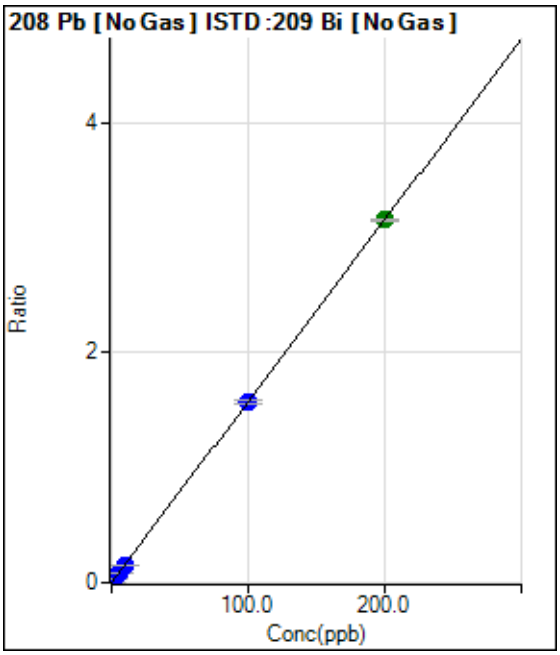


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	190.01	0.0002	P	15.4
2	☐	2.000	2.030	7709.17	0.0072	P	3.8
3	☐	5.000	4.818	18173.54	0.0168	P	0.3
4	☐	10.000	9.724	36868.14	0.0337	P	2.7
5	☐	100.000	98.524	370676.25	0.3394	P	2.7
6	☐	200.000	200.756	747534.36	0.6915	P	0.6

y = 0.0034 * x + 1.7571E-004
R = 1.0000
DL = 0.02364
BEC = 0.05103

Weight: <None>
Min Conc: <None>

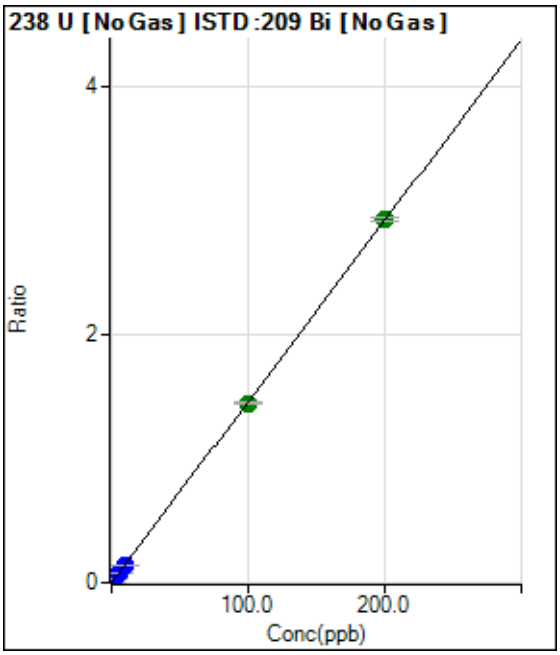
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	803.37	0.0007	P	16.4
2	☐	2.000	2.045	35470.29	0.0330	P	2.9
3	☐	5.000	4.945	85239.63	0.0786	P	0.8
4	☐	10.000	9.880	171276.18	0.1564	P	0.7
5	☐	100.000	99.673	1715464.42	1.5709	P	2.4
6	☐	200.000	200.170	3409565.73	3.1539	A	0.8

y = 0.0158 * x + 7.4350E-004
R = 1.0000
DL = 0.02317
BEC = 0.0472

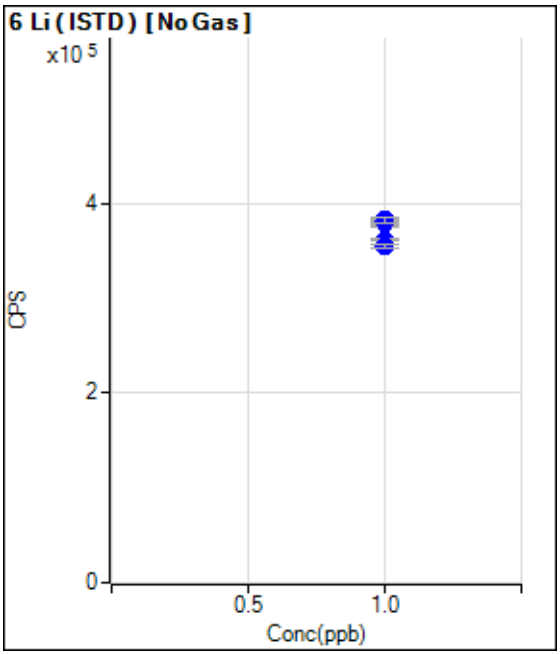
Weight: <None>
Min Conc: <None>



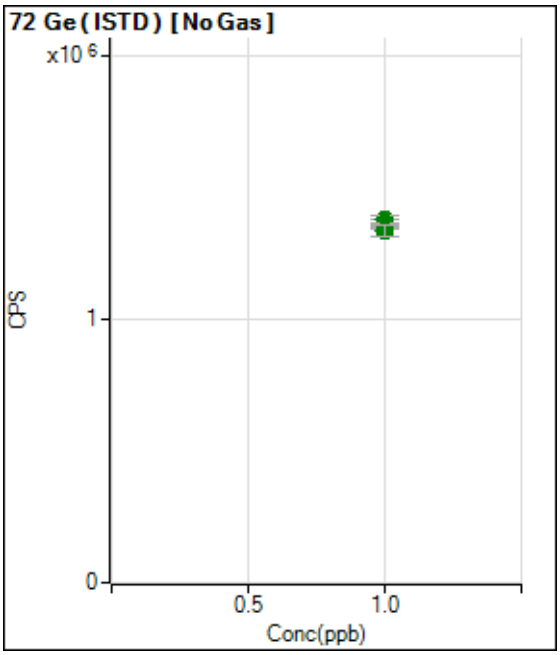
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	373.35	0.0003	P	19.2
2	☐	2.000	1.936	30728.85	0.0285	P	1.7
3	☐	5.000	4.791	76022.13	0.0701	P	0.7
4	☐	10.000	9.507	152045.99	0.1388	P	1.0
5	☐	100.000	99.092	1577036.23	1.4438	A	1.6
6	☐	200.000	200.484	3157388.91	2.9207	A	0.9

y = 0.0146 * x + 3.4353E-004
R = 1.0000
DL = 0.01361
BEC = 0.02358

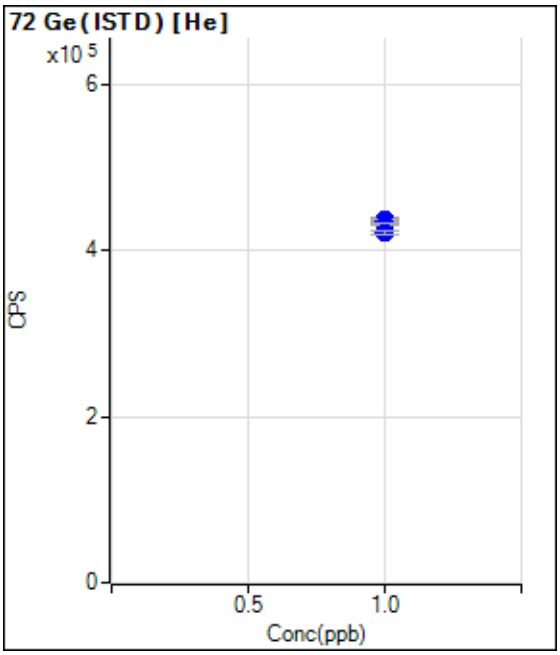
Weight: <None>
Min Conc: <None>



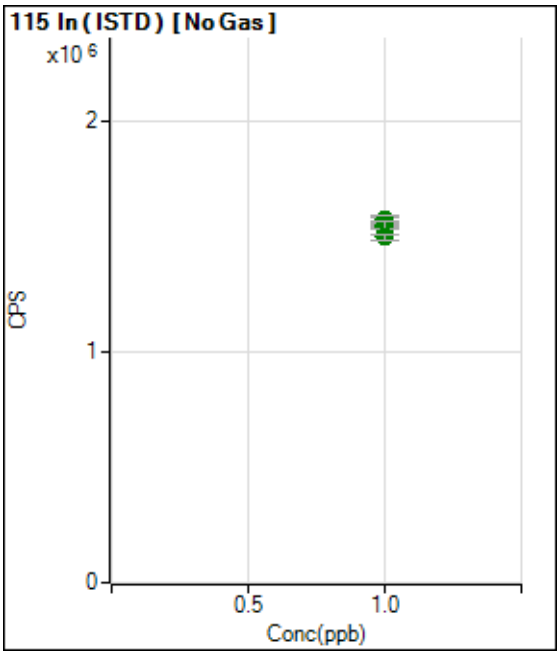
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		382126.43		P	0.8
2	☐	1.000		378879.07		P	1.6
3	☐	1.000		378112.11		P	1.9
4	☐	1.000		381757.62		P	1.5
5	☐	1.000		360861.38		P	0.7
6	☐	1.000		354731.25		P	1.4



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1368912.79		A	1.3
2	☐	1.000		1378992.79		A	2.6
3	☐	1.000		1357936.70		A	1.8
4	☐	1.000		1365143.42		A	0.6
5	☐	1.000		1359648.94		A	1.2
6	☐	1.000		1340630.92		A	3.3

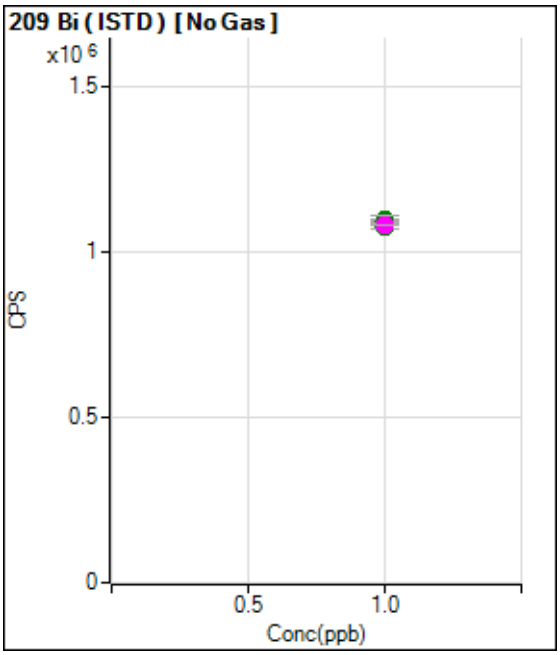


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		434354.13		P	1.0
2	☐	1.000		436609.94		P	0.9
3	☐	1.000		435689.86		P	2.1
4	☐	1.000		435031.73		P	1.4
5	☐	1.000		431537.74		P	0.9
6	☐	1.000		420984.46		P	1.2



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1552260.58		A	1.1
2	☐	1.000		1572902.71		A	1.5
3	☐	1.000		1547971.32		A	1.3
4	☐	1.000		1574861.98		A	2.4
5	☐	1.000		1551610.42		A	2.4
6	☐	1.000		1499976.33		A	2.0

Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1083437.77		A	2.6
2	☐	1.000		1076245.19		A	1.3
3	☐	1.000		1083983.78		M	0.5
4	☐	1.000		1095289.67		A	0.7
5	☐	1.000		1092506.34		A	2.6
6	☐	1.000		1081056.78		M	0.3

Calibration Blank Report

Sample Table

Sample Name	CAL BLK
Data File Name	013CALB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T10:39:38-05:00
Sample Type	CalBlk
Level	1
Dilution	1
Comment	

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Li	7	1	No Gas	27567	0.00
Be	9	1	No Gas	92	12.39
V	51	2	He	29625	0.00
Cr	52	2	He	14418	0.01
Fe	56	2	He	45984	0.00
Se	78	2	He	245	0.51
As	75	2	He	488	0.45
Ca	44	2	He	707	1.14
Na	23	2	He	46591	0.00
Mg	24	2	He	4221	0.09
K	39	2	He	243636	0.00
Mn	55	2	He	587	2.98
Co	59	2	He	53	53.70
Ni	60	2	He	430	4.62
Cu	63	2	He	227	19.98
Zn	66	2	He	267	14.09
Al	27	2	He	1027	0.88
B	11	1	No Gas	6668	0.06
Al	27	1	No Gas	32612	0.00
Si	28	1	No Gas	383503	0.00
Ag	107	1	No Gas	700	1.67
Sr	88	1	No Gas	1363	0.70
Mo	95	1	No Gas	650	2.73
Sn	118	1	No Gas	1203	0.49
Sb	121	1	No Gas	613	1.20
Ba	137	1	No Gas	150	11.76
Tl	205	1	No Gas	473	3.85
Tl	203	1	No Gas	173	15.37
Pb	208	1	No Gas	803	1.74
U	238	1	No Gas	373	5.80
Ca	43	2	He	50	0.00
Sb	121	2	He	323	11.57
Ti	47	2	He	27	214.81
Cu	63	1	No Gas	1090	1.24

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Li	6	1	No Gas	382126	0.78

Calibration Blank Report

Ge	72	2	He	434354	1.02
Ge	72	1	No Gas	1368913	1.35
In	115	1	No Gas	1552261	1.13
Bi	209	1	No Gas	1083438	2.61

Calibration Standard Report

Sample Table

Sample Name	2/10/200
Data File Name	014CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T10:41:30-05:00
Sample Type	CalStd
Level	2
Dilution	1
Comment	
ISTD Ref File Name	013CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	No Gas	3564	0.08
V	51	2	He	36482	0.00
Cr	52	2	He	20539	0.01
Fe	56	2	He	704707	0.00
Se	78	2	He	351	0.52
As	75	2	He	1748	0.02
Ca	44	2	He	6332	0.05
Na	23	2	He	161624	0.00
Mg	24	2	He	74351	0.00
K	39	2	He	367962	0.00
Mn	55	2	He	6638	0.03
Co	59	2	He	9597	0.04
Ni	60	2	He	2780	0.14
Cu	63	2	He	5971	0.08
Zn	66	2	He	1477	1.06
Al	27	2	He	1757	0.55
B	11	1	No Gas	15914	0.02
Al	27	1	No Gas	46251	0.01
Si	28	1	No Gas	424099	0.00
Ag	107	1	No Gas	17675	0.01
Cd	111	1	No Gas	3381	0.14
Sr	88	1	No Gas	39716	0.00
Mo	95	1	No Gas	7436	0.04
Sn	118	1	No Gas	11475	0.01
Sb	121	1	No Gas	15383	0.01
Ba	137	1	No Gas	6008	0.11
Tl	205	1	No Gas	25132	0.01
Tl	203	1	No Gas	11088	0.02
Pb	208	1	No Gas	35470	0.01
U	238	1	No Gas	30729	0.01
Ca	43	2	He	343	5.11
Sb	121	2	He	8193	0.06
Cu	63	1	No Gas	14148	0.01

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	378879	1.61	382126	99.15	70	120	
Ge	72	2	He	436610	0.91	434354	100.52	70	120	
Ge	72	1	No Gas	1378993	2.57	1368913	100.74	70	120	

Calibration Standard Report

In	115	1	No Gas	1572903	1.46	1552261	101.33	70	120	
Bi	209	1	No Gas	1076245	1.26	1083438	99.34	70	120	

Calibration Standard Report

Sample Table

Sample Name	5/25/500
Data File Name	015CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T10:43:22-05:00
Sample Type	CalStd
Level	3
Dilution	1
Comment	
ISTD Ref File Name	013CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	No Gas	8993	0.02
V	51	2	He	45053	0.00
Cr	52	2	He	31503	0.00
Fe	56	2	He	1649458	0.00
Se	78	2	He	617	0.48
As	75	2	He	3826	0.09
Ca	44	2	He	14695	0.03
Na	23	2	He	330572	0.00
Mg	24	2	He	178350	0.00
K	39	2	He	553334	0.00
Mn	55	2	He	16090	0.01
Co	59	2	He	23554	0.02
Ni	60	2	He	5985	0.10
Cu	63	2	He	14031	0.03
Zn	66	2	He	3444	0.05
Al	27	2	He	2017	0.18
B	11	1	No Gas	29912	0.01
Al	27	1	No Gas	65980	0.00
Si	28	1	No Gas	500219	0.00
Ag	107	1	No Gas	44669	0.00
Cd	111	1	No Gas	8641	0.01
Sr	88	1	No Gas	96472	0.00
Mo	95	1	No Gas	17846	0.01
Sn	118	1	No Gas	27028	0.00
Sb	121	1	No Gas	38915	0.00
Ba	137	1	No Gas	15523	0.01
Tl	205	1	No Gas	62898	0.00
Tl	203	1	No Gas	26729	0.00
Pb	208	1	No Gas	85240	0.00
U	238	1	No Gas	76022	0.00
Ca	43	2	He	827	1.32
Sb	121	2	He	20650	0.00
Cu	63	1	No Gas	32820	0.00

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	378112	1.92	382126	98.95	70	120	
Ge	72	2	He	435690	2.11	434354	100.31	70	120	
Ge	72	1	No Gas	1357937	1.76	1368913	99.20	70	120	

Calibration Standard Report

In	115	1	No Gas	1547971	1.32	1552261	99.72	70	120	
Bi	209	1	No Gas	1083984	0.48	1083438	100.05	70	120	

Calibration Standard Report

Sample Table

Sample Name	10/50/100
Data File Name	016CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T10:45:14-05:00
Sample Type	CalStd
Level	4
Dilution	1
Comment	
ISTD Ref File Name	013CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	No Gas	17740	0.01
V	51	2	He	57831	0.00
Cr	52	2	He	48948	0.01
Fe	56	2	He	3191538	0.00
Se	78	2	He	1000	0.57
As	75	2	He	7239	0.04
Ca	44	2	He	28206	0.01
Na	23	2	He	609062	0.00
Mg	24	2	He	351812	0.00
K	39	2	He	861502	0.00
Mn	55	2	He	31510	0.00
Co	59	2	He	45801	0.00
Ni	60	2	He	11815	0.01
Cu	63	2	He	27672	0.01
Zn	66	2	He	6815	0.04
Al	27	2	He	3417	0.13
B	11	1	No Gas	51824	0.00
Al	27	1	No Gas	104746	0.00
Si	28	1	No Gas	617166	0.00
Ag	107	1	No Gas	88837	0.00
Cd	111	1	No Gas	16974	0.01
Sr	88	1	No Gas	189938	0.00
Mo	95	1	No Gas	35160	0.00
Sn	118	1	No Gas	53867	0.00
Sb	121	1	No Gas	77733	0.00
Ba	137	1	No Gas	31211	0.00
Tl	205	1	No Gas	121444	0.00
Tl	203	1	No Gas	52209	0.00
Pb	208	1	No Gas	171276	0.00
U	238	1	No Gas	152046	0.00
Ca	43	2	He	1580	0.21
Sb	121	2	He	41496	0.01
Cu	63	1	No Gas	63786	0.00

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	381758	1.49	382126	99.90	70	120	
Ge	72	2	He	435032	1.40	434354	100.16	70	120	
Ge	72	1	No Gas	1365143	0.63	1368913	99.72	70	120	

Calibration Standard Report

In	115	1	No Gas	1574862	2.38	1552261	101.46	70	120	
Bi	209	1	No Gas	1095290	0.66	1083438	101.09	70	120	

Calibration Standard Report

Sample Table

Sample Name	100/500/10K
Data File Name	017CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T10:47:06-05:00
Sample Type	CalStd
Level	5
Dilution	1
Comment	
ISTD Ref File Name	013CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	No Gas	176687	0.00
V	51	2	He	339463	0.00
Cr	52	2	He	358533	0.00
Fe	56	2	He	30838657	0.00
Se	78	2	He	7790	0.01
As	75	2	He	67370	0.00
Ca	44	2	He	275729	0.00
Na	23	2	He	5144773	0.00
Mg	24	2	He	3063974	0.00
K	39	2	He	6006354	0.00
Mn	55	2	He	302702	0.00
Co	59	2	He	449796	0.00
Ni	60	2	He	110438	0.00
Cu	63	2	He	269514	0.00
Zn	66	2	He	65830	0.00
Al	27	2	He	26312	0.01
B	11	1	No Gas	457991	0.00
Al	27	1	No Gas	803152	0.00
Si	28	1	No Gas	2660161	0.00
Ag	107	1	No Gas	864873	0.00
Cd	111	1	No Gas	168840	0.00
Sr	88	1	No Gas	1828632	0.00
Mo	95	1	No Gas	346133	0.00
Sn	118	1	No Gas	532044	0.00
Sb	121	1	No Gas	770960	0.00
Ba	137	1	No Gas	309133	0.00
Tl	205	1	No Gas	1176736	0.00
Tl	203	1	No Gas	499334	0.00
Pb	208	1	No Gas	1715464	0.00
U	238	1	No Gas	1577036	0.00
Ca	43	2	He	16437	0.01
Sb	121	2	He	408613	0.00
Cu	63	1	No Gas	616694	0.00

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	360861	0.67	382126	94.44	70	120	
Ge	72	2	He	431538	0.88	434354	99.35	70	120	
Ge	72	1	No Gas	1359649	1.22	1368913	99.32	70	120	

Calibration Standard Report

In	115	1	No Gas	1551610	2.39	1552261	99.96	70	120	
Bi	209	1	No Gas	1092506	2.65	1083438	100.84	70	120	

Calibration Standard Report

Sample Table

Sample Name	200/1000/20K
Data File Name	018CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T10:48:54-05:00
Sample Type	CalStd
Level	6
Dilution	1
Comment	
ISTD Ref File Name	013CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	No Gas	341772	0.00
V	51	2	He	663371	0.00
Cr	52	2	He	697270	0.00
Fe	56	2	He	60835224	0.00
Se	78	2	He	15201	0.00
As	75	2	He	135628	0.00
Ca	44	2	He	546590	0.00
Na	23	2	He	10129627	0.00
Mg	24	2	He	6000709	0.00
K	39	2	He	11477449	0.00
Mn	55	2	He	598668	0.00
Co	59	2	He	900779	0.00
Ni	60	2	He	217690	0.00
Cu	63	2	He	534684	0.00
Zn	66	2	He	129165	0.00
Al	27	2	He	51355	0.00
B	11	1	No Gas	762386	0.00
Al	27	1	No Gas	1496413	0.00
Si	28	1	No Gas	4741350	0.00
Ag	107	1	No Gas	1654332	0.00
Cd	111	1	No Gas	335252	0.00
Sr	88	1	No Gas	3550388	0.00
Mo	95	1	No Gas	692098	0.00
Sn	118	1	No Gas	1026191	0.00
Sb	121	1	No Gas	1537408	0.00
Ba	137	1	No Gas	614806	0.00
Tl	205	1	No Gas	2304287	0.00
Tl	203	1	No Gas	983252	0.00
Pb	208	1	No Gas	3409566	0.00
U	238	1	No Gas	3157389	0.00
Ca	43	2	He	32068	0.00
Sb	121	2	He	827434	0.00
Cu	63	1	No Gas	1171740	0.00

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	354731	1.43	382126	92.83	70	120	
Ge	72	2	He	420984	1.16	434354	96.92	70	120	
Ge	72	1	No Gas	1340631	3.29	1368913	97.93	70	120	

Calibration Standard Report

In	115	1	No Gas	1499976	1.99	1552261	96.63	70	120	
Bi	209	1	No Gas	1081057	0.28	1083438	99.78	70	120	

Initial Calibration Verification (ICV) Report

Sample Table

Sample Name	ICV
Data File Name	020_ICV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T10:54:58-05:00
Sample Type	ICV
Dilution	1
Comment	
ISTD Ref File Name	013CALB.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
Li	7	1	No Gas	100.446	1.904	544020	0.48	100	100.4	90	110	
Be	9	1	No Gas	99.130	2.080	181345	0.49	100	99.1	90	110	
V	51	2	He	95.139	0.745	336519	0.87	100	95.1	90	110	
Cr	52	2	He	104.352	0.465	379204	0.63	100	104.4	90	110	
Fe	56	2	He	9905.100	1.023	30895360	1.24	10000	99.1	90	110	
Se	78	2	He	93.850	2.336	7431	2.33	100	93.8	90	110	
As	75	2	He	98.319	1.032	68243	1.12	100	98.3	90	110	
Ca	44	2	He	10036.240	0.602	281042	0.78	10000	100.4	90	110	
Na	23	2	He	10075.067	0.663	5250323	0.76	10000	100.8	90	110	
Mg	24	2	He	10278.687	0.461	3167380	0.75	10000	102.8	90	110	
K	39	2	He	10035.541	1.701	6036521	1.88	10000	100.4	90	110	
Mn	55	2	He	99.950	0.456	306662	0.72	100	100.0	90	110	
Co	59	2	He	97.919	0.464	450569	0.26	100	97.9	90	110	
Ni	60	2	He	106.449	0.129	118902	0.33	100	106.4	90	110	
Cu	63	2	He	98.029	0.693	268343	0.94	100	98.0	90	110	
Zn	66	2	He	100.819	1.048	66888	0.75	100	100.8	90	110	
Al	27	2	He	106.081	1.855	28339	2.05	100	106.1	90	110	
B	11	1	No Gas	503.409	2.105	477405	0.77	500	100.7	90	110	
Al	27	1	No Gas	114.123	1.221	880310	0.92	100	114.1	90	110	ICV Main CR1 Failed
Si	28	1	No Gas	693.403	5.311	3446301	3.64	500	138.7	90	110	ICV Main CR1 Failed
Ag	107	1	No Gas	100.750	1.548	847397	0.62	100	100.8	90	110	
Cd	111	1	No Gas	97.019	1.240	164097	0.31	100	97.0	90	110	
Sr	88	1	No Gas	102.699	1.428	1848633	1.36	100	102.7	90	110	
Mo	95	1	No Gas	97.699	1.683	340891	1.39	100	97.7	90	110	
Sn	118	1	No Gas	100.717	1.188	524964	0.29	100	100.7	90	110	
Sb	121	1	No Gas	100.009	0.867	772877	0.54	100	100.0	90	110	
Ba	137	1	No Gas	99.199	1.711	307641	0.56	100	99.2	90	110	
Tl	205	1	No Gas	93.700	3.358	1079543	2.12	100	93.7	90	110	
Tl	203	1	No Gas	94.492	2.211	464084	1.31	100	94.5	90	110	
Pb	208	1	No Gas	97.221	1.139	1652630	0.93	100	97.2	90	110	
U	238	1	No Gas	97.935	1.578	1538949	0.39	100	97.9	90	110	
Ca	43	2	He	10117.755	2.759	16677	2.73	10000	101.2	90	110	
Sb	121	2	He	96.728	1.136	408060	1.29	100	96.7	90	110	
Ti	47	2	He	99.395	1.859	14291	2.00	100	99.4	90	110	
Cu	63	1	No Gas	102.981	0.876	612977	0.50	100	103.0	90	110	
Se	82	1	No Gas	98.088	4.122	12902	4.50	100	98.1	90	110	

QC ISTD Table

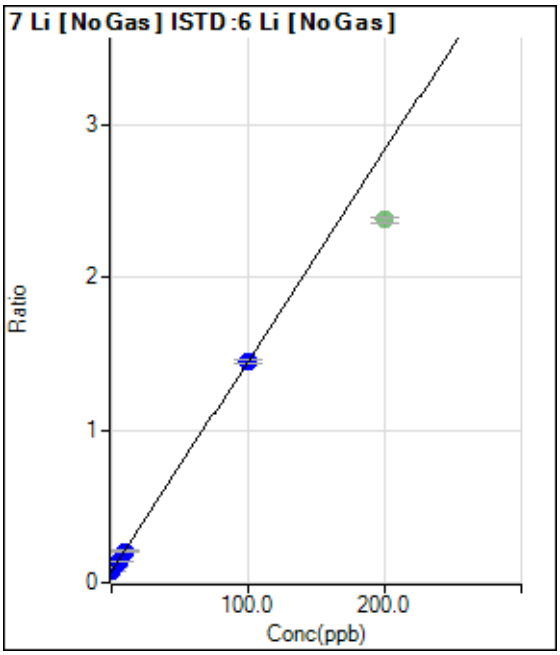
Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	373935	1.72	382126	97.86	70	120	
Ge	72	2	He	432316	0.29	434354	99.53	70	120	
Ge	72	1	No Gas	1350043	1.24	1368913	98.62	70	120	
In	115	1	No Gas	1521352	1.18	1552261	98.01	70	120	
Bi	209	1	No Gas	1078653	1.24	1083438	99.56	70	120	

Calibration for 020_ICV.d

Batch Folder: C:\Agilent\ICPMH\1\DATA\062823A.b\
Analysis File: 062823A.batch.bin
DA Date-Time: 6/28/2023 1:33:06 PM
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	013CALB.d	CAL BLK	6/28/2023 10:39:38 AM
2	014CALS.d	2/10/200	6/28/2023 10:41:30 AM
3	015CALS.d	5/25/500	6/28/2023 10:43:22 AM
4	016CALS.d	10/50/100	6/28/2023 10:45:14 AM
5	017CALS.d	100/500/10K	6/28/2023 10:47:06 AM
6	018CALS.d	200/1000/20K	6/28/2023 10:48:54 AM

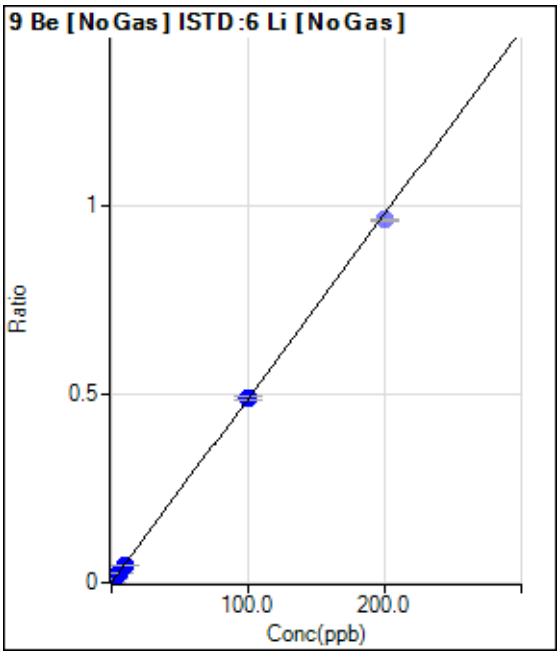
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	27566.99	0.0721	P	0.9
2	☐	2.000	2.118	38378.78	0.1013	P	1.1
3	☐	5.000	4.970	53148.28	0.1406	P	1.2
4	☐	10.000	9.759	78827.59	0.2065	P	1.4
5	☐	100.000	100.023	522975.20	1.4493	P	1.2
6	☑	200.000		842176.91	2.3743	A	1.7

y = 0.0138 * x + 0.0721
R = 1.0000
DL = 0.1439
BEC = 5.24

Weight: <None>
Min Conc: <None>

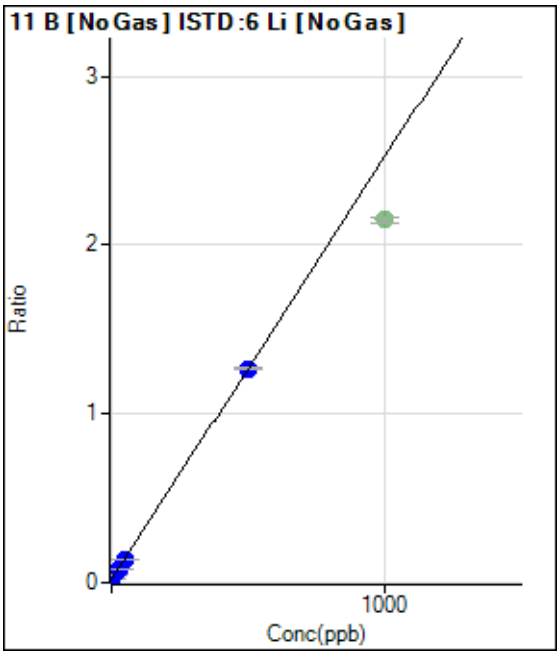


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	91.67	0.0002	P	10.7
2	☐	2.000	1.874	3563.81	0.0094	P	2.5
3	☐	5.000	4.814	8992.92	0.0238	P	1.3
4	☐	10.000	9.451	17739.63	0.0465	P	1.0
5	☐	100.000	100.067	176686.94	0.4897	P	1.9
6	☑	200.000		341772.42	0.9635	P	0.6

y = 0.0049 * x + 2.3978E-004
R = 1.0000
DL = 0.01579
BEC = 0.04902

Weight: <None>
Min Conc: <None>

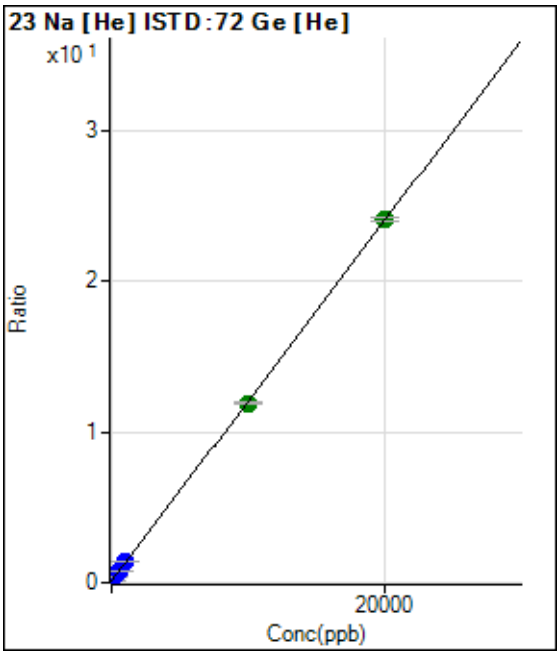
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6668.31	0.0174	P	3.4
2	☐	10.000	9.816	15914.08	0.0420	P	3.0
3	☐	25.000	24.645	29911.83	0.0791	P	0.5
4	☐	50.000	47.297	51823.53	0.1358	P	3.1
5	☐	500.000	500.292	457991.21	1.2692	P	0.6
6	☑	1000.000		762386.24	2.1491	A	1.7

y = 0.0025 * x + 0.0174
R = 1.0000
DL = 0.7212
BEC = 6.974

Weight: <None>
Min Conc: <None>

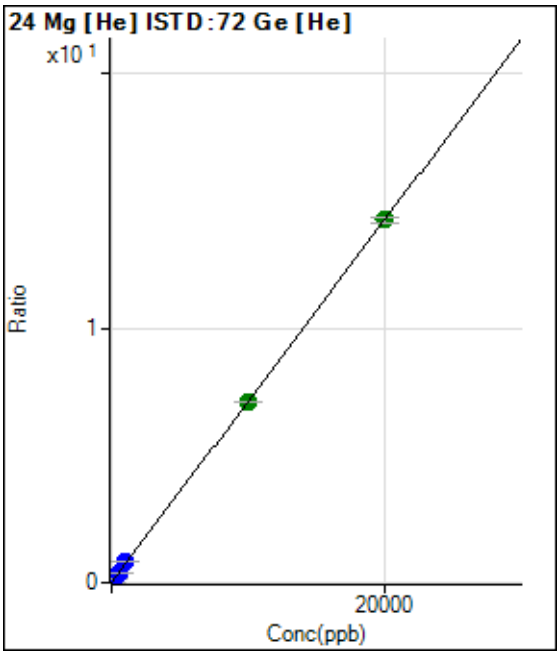


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	46591.26	0.1073	P	2.1
2	☐	200.000	220.066	161623.86	0.3702	P	1.4
3	☐	500.000	545.332	330572.32	0.7588	P	1.1
4	☐	1000.000	1082.094	609062.32	1.4001	P	0.9
5	☐	10000.000	9888.177	5144773.25	11.9213	A	0.9
6	☐	20000.000	20050.473	10129626.72	24.0629	A	1.0

y = 0.0012 * x + 0.1073
R = 1.0000
DL = 5.682
BEC = 89.79

Weight: <None>
Min Conc: <None>

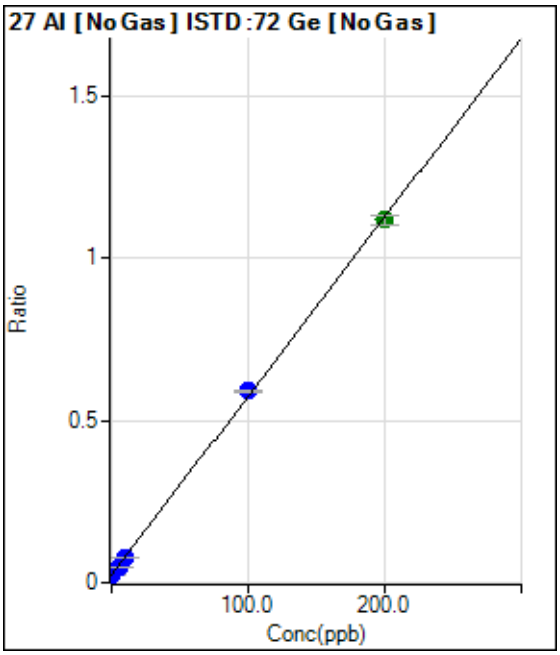
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4220.72	0.0097	P	4.6
2	☐	200.000	225.584	74350.85	0.1703	P	0.8
3	☐	500.000	561.445	178350.08	0.4094	P	0.6
4	☐	1000.000	1122.476	351812.23	0.8087	P	0.6
5	☐	10000.000	9960.283	3063973.81	7.0998	A	0.8
6	☐	20000.000	20011.943	6000709.49	14.2550	A	1.5

y = 7.1184E-004 * x + 0.0097
R = 1.0000
DL = 1.896
BEC = 13.66

Weight: <None>
Min Conc: <None>

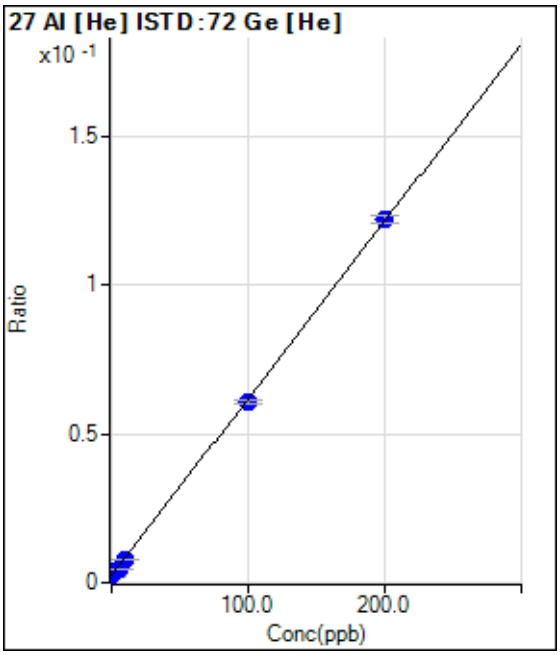


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	32611.98	0.0238	P	1.7
2	☐	2.000	1.766	46250.66	0.0335	P	3.0
3	☐	5.000	4.499	65979.65	0.0486	P	1.4
4	☐	10.000	9.610	104745.60	0.0767	P	0.7
5	☐	100.000	102.976	803151.86	0.5907	P	0.7
6	☐	200.000	198.546	1496413.10	1.1169	A	2.8

y = 0.0055 * x + 0.0238
R = 0.9998
DL = 0.2161
BEC = 4.328

Weight: <None>
Min Conc: <None>

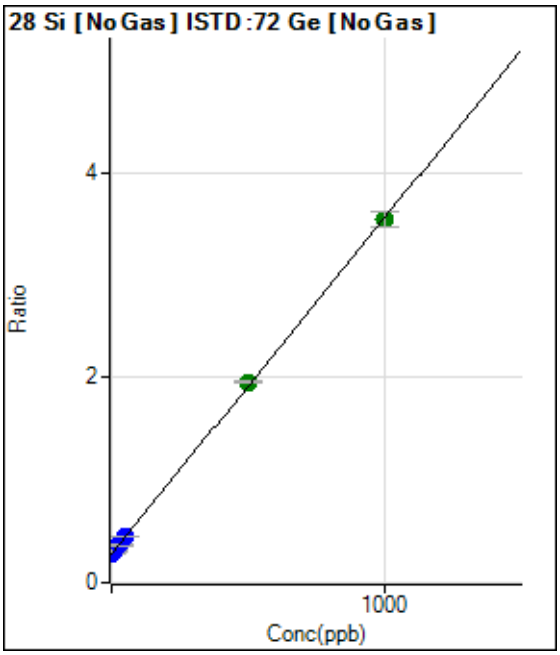
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1026.72	0.0024	P	10.1
2	☐	2.000	2.783	1756.86	0.0040	P	9.4
3	☐	5.000	3.802	2016.85	0.0046	P	3.7
4	☐	10.000	9.222	3417.16	0.0079	P	5.5
5	☐	100.000	98.390	26311.76	0.0610	P	1.9
6	☐	200.000	200.866	51355.01	0.1220	P	2.3

y = 5.9563E-004 * x + 0.0024
R = 0.9999
DL = 1.201
BEC = 3.971

Weight: <None>
Min Conc: <None>

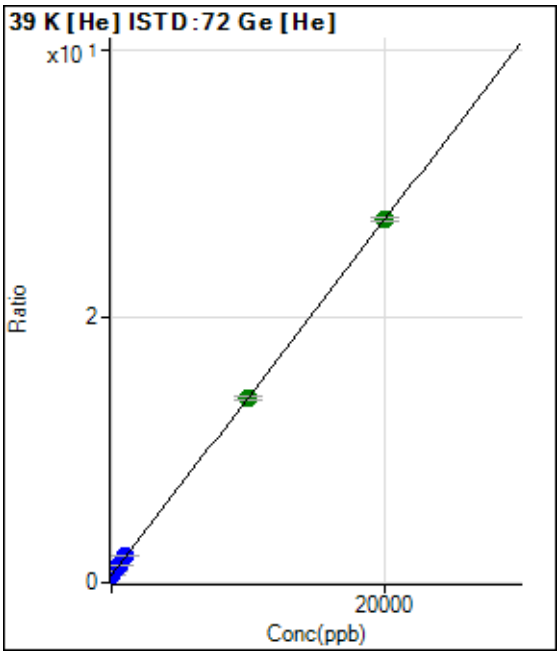


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	383503.15	0.2802	P	1.2
2	☐	10.000	8.377	424099.47	0.3076	P	2.0
3	☐	25.000	26.919	500219.34	0.3684	P	1.9
4	☐	50.000	52.444	617166.20	0.4521	P	2.1
5	☐	500.000	511.317	2660161.00	1.9566	A	0.9
6	☐	1000.000	994.188	4741350.03	3.5398	A	4.2

y = 0.0033 * x + 0.2802
R = 0.9999
DL = 2.974
BEC = 85.45

Weight: <None>
Min Conc: <None>

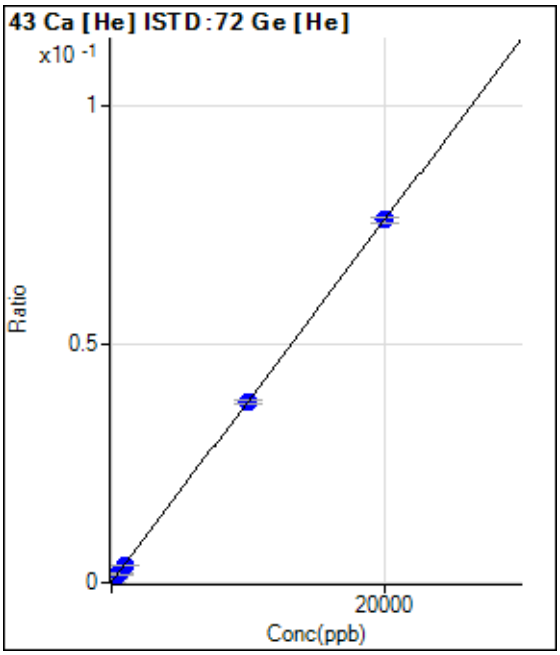
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	243635.66	0.5609	P	0.7
2	☐	200.000	211.110	367961.74	0.8429	P	1.8
3	☐	500.000	531.175	553333.72	1.2703	P	1.5
4	☐	1000.000	1062.978	861502.07	1.9805	P	0.9
5	☐	10000.000	10001.164	6006354.28	13.9170	A	2.3
6	☐	20000.000	19995.379	11477449.41	27.2637	A	1.1

y = 0.0013 * x + 0.5609
R = 1.0000
DL = 9.044
BEC = 420

Weight: <None>
Min Conc: <None>

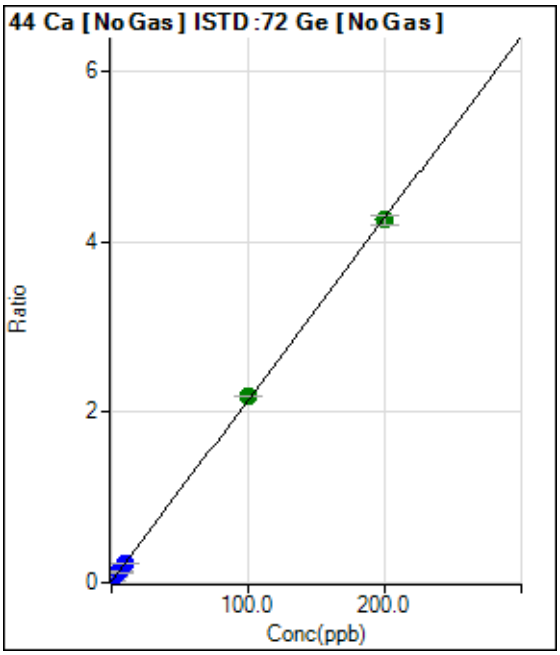


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	50.00	0.0001	P	1.0
2	☐	200.000	176.625	343.35	0.0008	P	17.8
3	☐	500.000	468.424	826.71	0.0019	P	9.3
4	☐	1000.000	925.294	1580.12	0.0036	P	3.4
5	☐	10000.000	9989.334	16436.71	0.0381	P	2.1
6	☐	20000.000	20010.091	32067.68	0.0762	P	1.4

y = 3.8013E-006 * x + 1.1512E-004
R = 1.0000
DL = 0.9308
BEC = 30.28

Weight: <None>
Min Conc: <None>

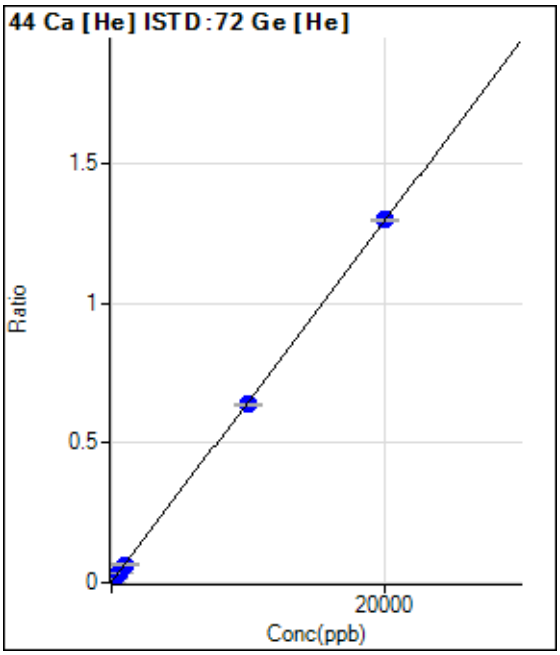
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	17454.58	0.0128	P	2.4
2	☐	2.000	2.131	80118.92	0.0581	P	3.5
3	☐	5.000	5.271	169709.19	0.1250	P	2.5
4	☐	10.000	10.445	321105.05	0.2352	P	1.1
5	☐	100.000	101.738	2963485.37	2.1796	A	0.3
6	☐	200.000	199.101	5699078.87	4.2533	A	2.4

y = 0.0213 * x + 0.0128
R = 0.9999
DL = 0.04351
BEC = 0.5988

Weight: <None>
Min Conc: <None>

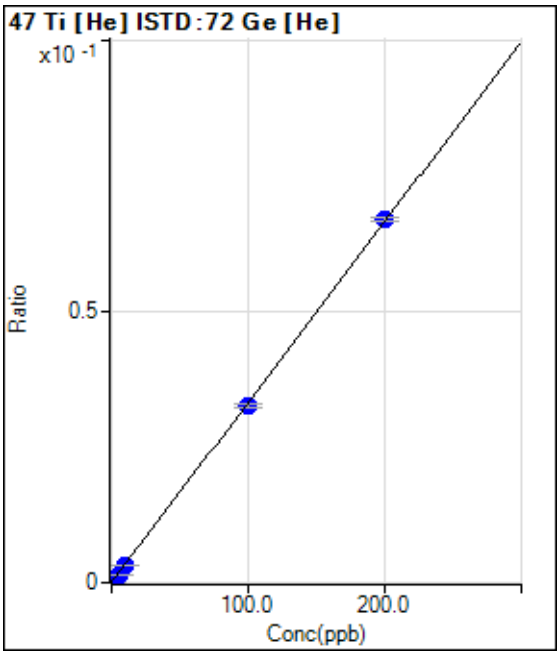


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	706.70	0.0016	P	8.9
2	☐	200.000	199.288	6331.59	0.0145	P	3.6
3	☐	500.000	496.838	14694.79	0.0337	P	3.8
4	☐	1000.000	978.566	28205.95	0.0649	P	3.2
5	☐	10000.000	9863.498	275729.40	0.6389	P	0.8
6	☐	20000.000	20069.409	546590.45	1.2983	P	0.8

y = 6.4611E-005 * x + 0.0016
R = 1.0000
DL = 6.722
BEC = 25.19

Weight: <None>
Min Conc: <None>

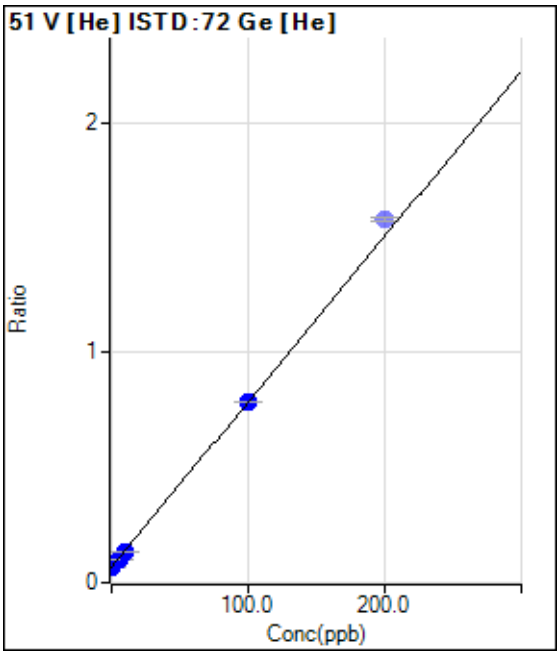
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	26.67	0.0001	P	57.0
2	☐	2.000	1.654	266.68	0.0006	P	12.3
3	☐	5.000	4.147	626.69	0.0014	P	2.8
4	☐	10.000	9.188	1353.42	0.0031	P	2.5
5	☐	100.000	98.002	14064.07	0.0326	P	2.0
6	☐	200.000	201.064	28125.78	0.0668	P	1.2

y = 3.3196E-004 * x + 6.1227E-005
R = 0.9999
DL = 0.3156
BEC = 0.1844

Weight: <None>
Min Conc: <None>

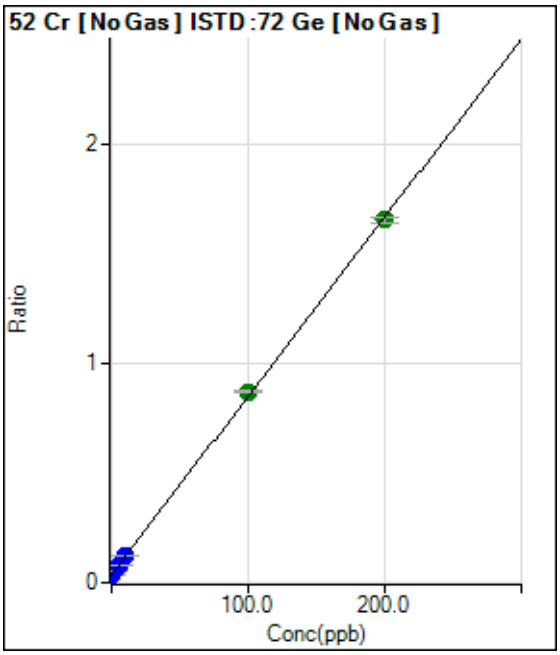


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	29625.28	0.0682	P	2.1
2	☐	2.000	2.138	36481.75	0.0836	P	0.8
3	☐	5.000	4.905	45052.64	0.1034	P	1.5
4	☐	10.000	9.020	57831.32	0.1329	P	1.3
5	☐	100.000	100.100	339463.39	0.7866	P	0.6
6	☑	200.000		663371.24	1.5758	P	0.9

y = 0.0072 * x + 0.0682
R = 0.9999
DL = 0.6034
BEC = 9.505

Weight: <None>
Min Conc: <None>

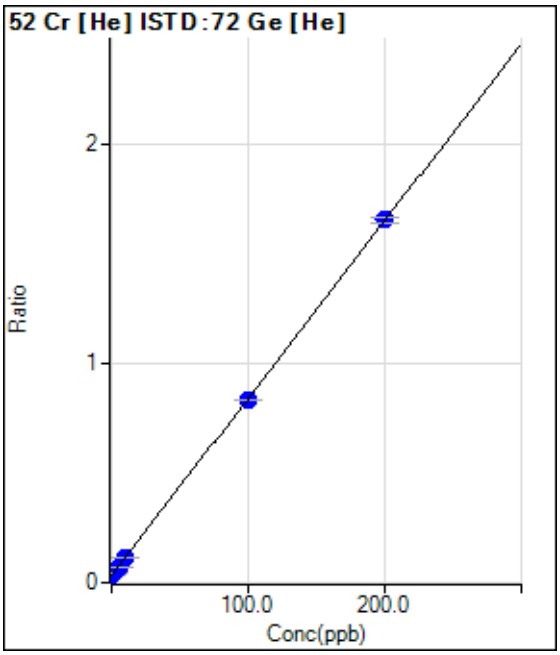
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	50677.31	0.0370	P	2.7
2	☐	2.000	2.095	74572.38	0.0541	P	1.2
3	☐	5.000	5.364	109578.38	0.0807	P	1.8
4	☐	10.000	10.418	166374.33	0.1219	P	0.8
5	☐	100.000	102.508	1185350.45	0.8718	A	0.8
6	☐	200.000	198.715	2218290.07	1.6553	A	1.8

y = 0.0081 * x + 0.0370
R = 0.9999
DL = 0.3639
BEC = 4.547

Weight: <None>
Min Conc: <None>

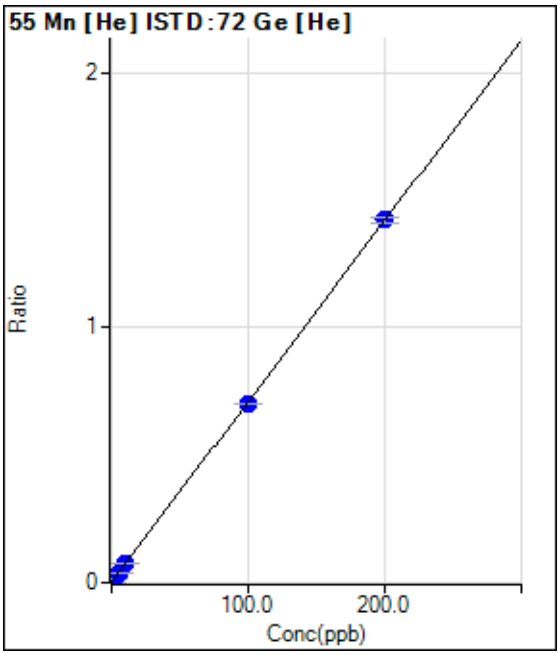


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	14417.85	0.0332	P	2.0
2	☐	2.000	1.712	20538.98	0.0470	P	2.2
3	☐	5.000	4.839	31503.34	0.0723	P	3.1
4	☐	10.000	9.812	48947.61	0.1126	P	3.7
5	☐	100.000	98.625	358532.86	0.8308	P	0.2
6	☐	200.000	200.704	697270.02	1.6564	P	1.8

y = 0.0081 * x + 0.0332
R = 1.0000
DL = 0.2409
BEC = 4.105

Weight: <None>
Min Conc: <None>

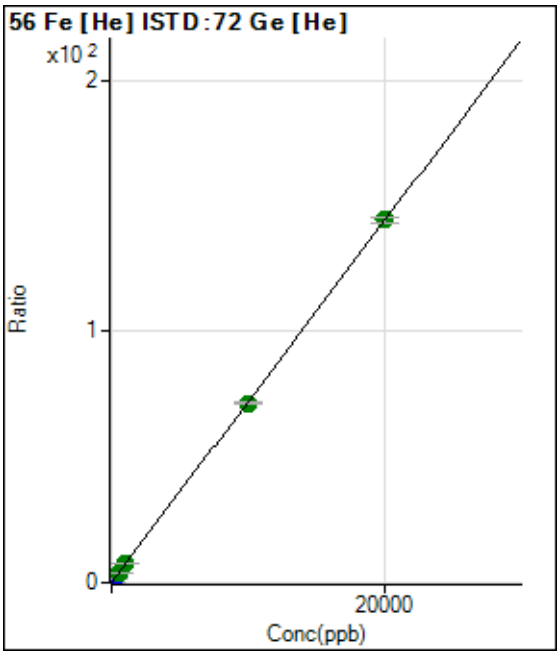
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	586.69	0.0013	P	16.8
2	☐	2.000	1.956	6638.38	0.0152	P	2.9
3	☐	5.000	5.023	16089.70	0.0369	P	0.5
4	☐	10.000	10.035	31509.85	0.0724	P	0.6
5	☐	100.000	98.839	302702.48	0.7015	P	0.6
6	☐	200.000	200.579	598668.18	1.4221	P	1.3

y = 0.0071 * x + 0.0013
R = 1.0000
DL = 0.09596
BEC = 0.1906

Weight: <None>
Min Conc: <None>

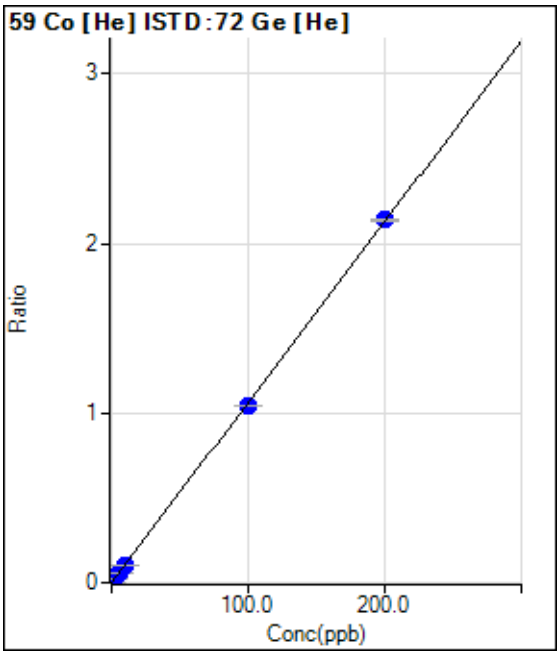


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	45984.42	0.1059	P	2.6
2	☐	200.000	209.354	704707.44	1.6141	P	0.8
3	☐	500.000	510.986	1649457.89	3.7871	A	2.4
4	☐	1000.000	1003.690	3191537.87	7.3366	A	0.6
5	☐	10000.000	9905.044	30838657.04	71.4634	A	0.7
6	☐	20000.000	20046.925	60835224.09	144.5272	A	1.9

y = 0.0072 * x + 0.1059
R = 1.0000
DL = 1.134
BEC = 14.7

Weight: <None>
Min Conc: <None>

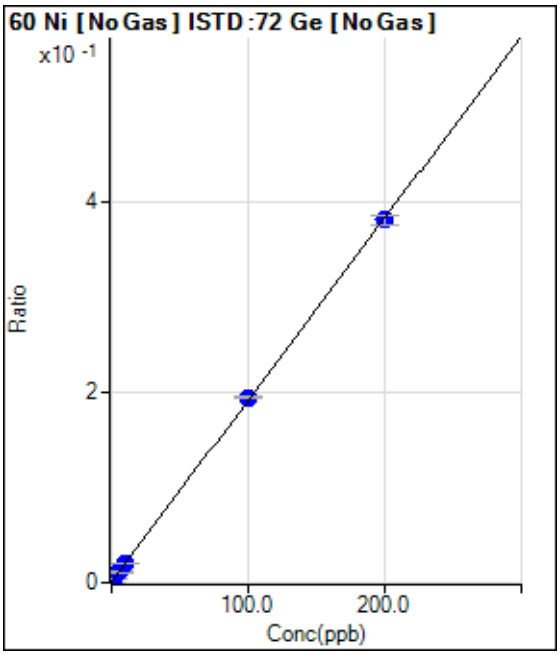
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	53.33	0.0001	P	28.8
2	☐	2.000	2.054	9596.87	0.0220	P	2.7
3	☐	5.000	5.069	23554.05	0.0541	P	3.7
4	☐	10.000	9.882	45800.60	0.1053	P	1.4
5	☐	100.000	97.923	449795.70	1.0423	P	0.6
6	☐	200.000	201.042	900779.41	2.1397	P	0.4

y = 0.0106 * x + 1.2286E-004
R = 0.9999
DL = 0.009968
BEC = 0.01154

Weight: <None>
Min Conc: <None>

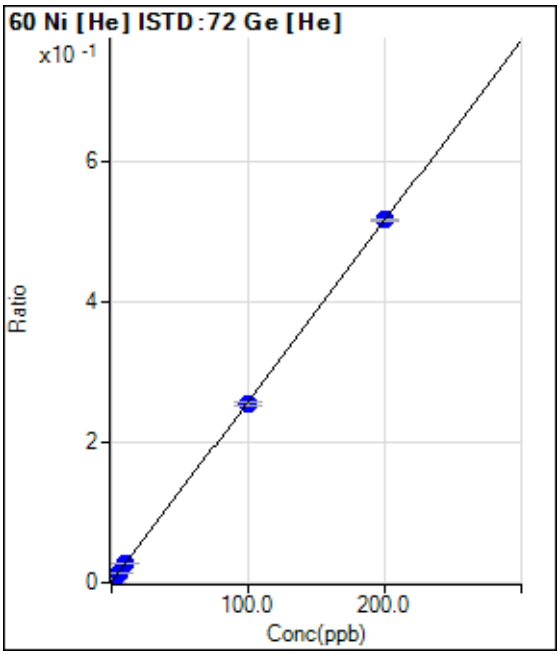


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1123.40	0.0008	P	7.9
2	☐	2.000	2.073	6578.36	0.0048	P	5.5
3	☐	5.000	5.404	15108.65	0.0111	P	5.3
4	☐	10.000	10.268	27862.04	0.0204	P	3.4
5	☐	100.000	101.563	264514.92	0.1946	P	1.2
6	☐	200.000	199.194	510197.21	0.3808	P	2.8

y = 0.0019 * x + 8.2118E-004
R = 1.0000
DL = 0.1026
BEC = 0.4305

Weight: <None>
Min Conc: <None>

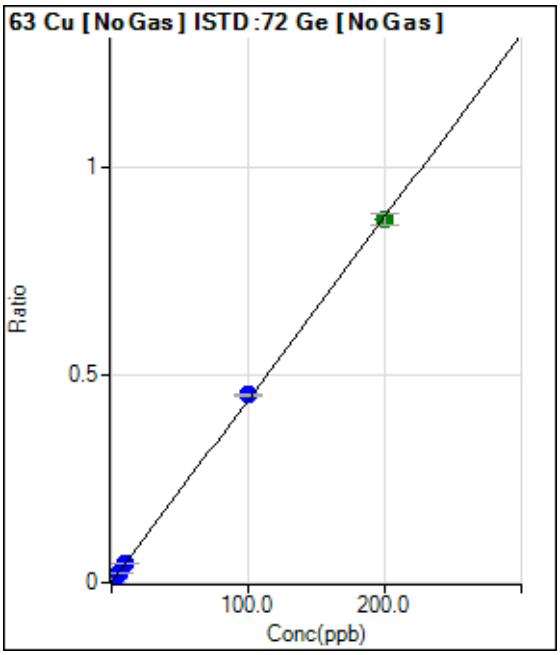
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	430.01	0.0010	P	19.5
2	☐	2.000	2.089	2780.35	0.0064	P	4.2
3	☐	5.000	4.957	5984.75	0.0138	P	8.3
4	☐	10.000	10.165	11815.33	0.0272	P	0.4
5	☐	100.000	99.015	110438.46	0.2559	P	2.3
6	☐	200.000	200.484	217689.80	0.5171	P	0.6

y = 0.0026 * x + 9.8962E-004
R = 1.0000
DL = 0.2245
BEC = 0.3844

Weight: <None>
Min Conc: <None>

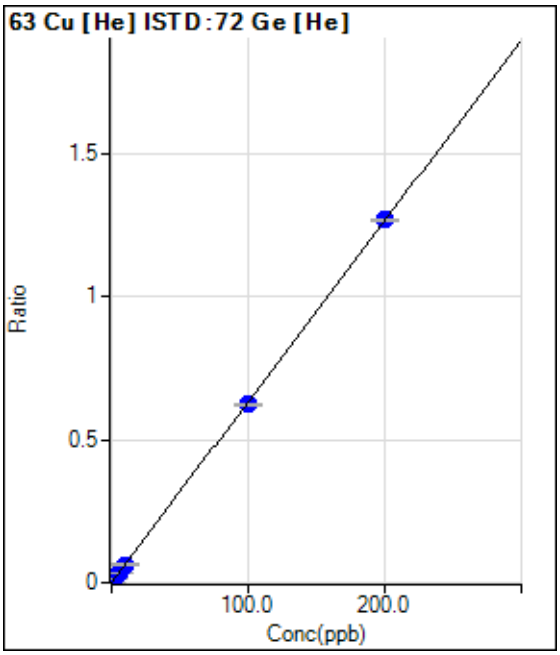


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1090.06	0.0008	P	14.1
2	☐	2.000	2.151	14147.59	0.0103	P	2.2
3	☐	5.000	5.311	32819.90	0.0242	P	2.1
4	☐	10.000	10.435	63786.06	0.0467	P	0.7
5	☐	100.000	102.875	616693.68	0.4536	P	1.1
6	☐	200.000	198.531	1171739.83	0.8746	A	3.2

y = 0.0044 * x + 7.9676E-004
R = 0.9999
DL = 0.07651
BEC = 0.181

Weight: <None>
Min Conc: <None>

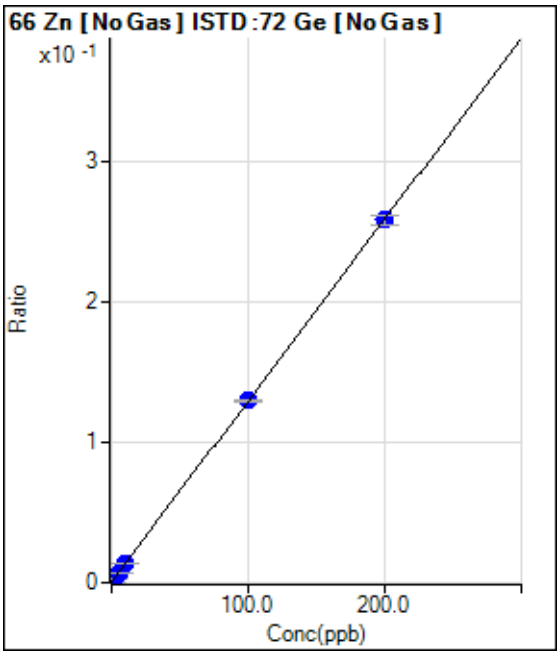
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	226.67	0.0005	P	45.1
2	☐	2.000	2.080	5971.41	0.0137	P	5.0
3	☐	5.000	5.012	14030.77	0.0322	P	5.6
4	☐	10.000	9.973	27671.81	0.0636	P	1.9
5	☐	100.000	98.633	269514.39	0.6245	P	1.3
6	☐	200.000	200.684	534684.00	1.2701	P	0.8

y = 0.0063 * x + 5.2130E-004
R = 1.0000
DL = 0.1115
BEC = 0.0824

Weight: <None>
Min Conc: <None>

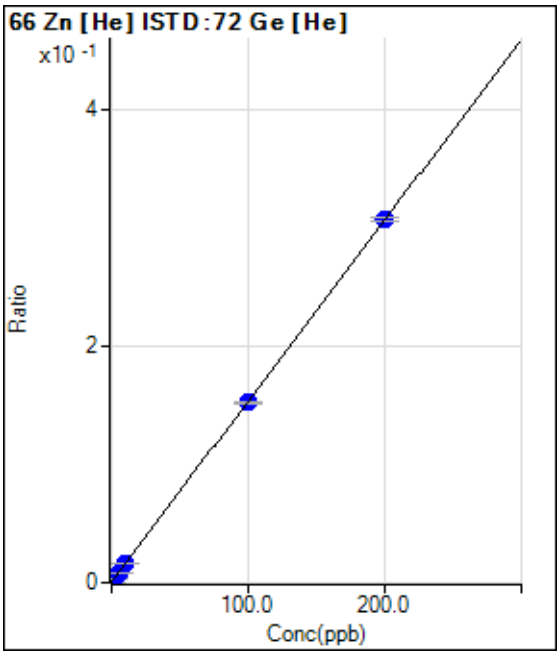


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	656.69	0.0005	P	5.0
2	☐	2.000	2.101	4404.13	0.0032	P	4.1
3	☐	5.000	5.194	9763.68	0.0072	P	2.7
4	☐	10.000	10.048	18379.41	0.0135	P	3.4
5	☐	100.000	100.308	176877.90	0.1301	P	1.1
6	☐	200.000	199.838	346655.59	0.2587	P	2.7

y = 0.0013 * x + 4.7955E-004
R = 1.0000
DL = 0.05602
BEC = 0.3711

Weight: <None>
Min Conc: <None>

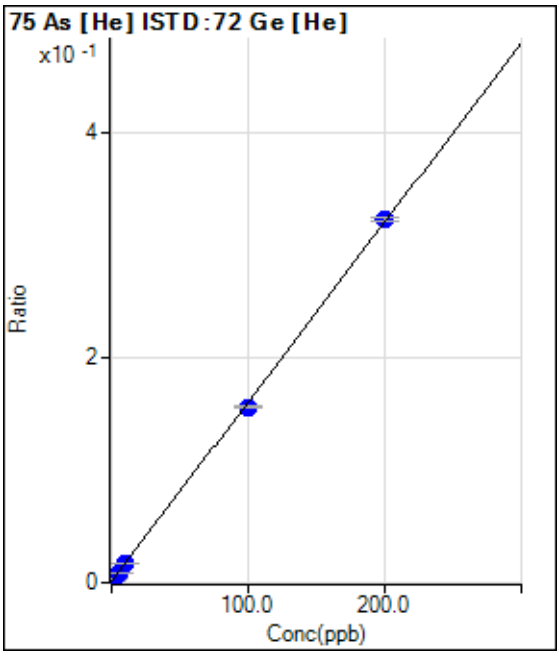
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	266.67	0.0006	P	38.6
2	☐	2.000	1.811	1476.77	0.0034	P	16.0
3	☐	5.000	4.769	3443.84	0.0079	P	0.7
4	☐	10.000	9.846	6815.18	0.0157	P	2.0
5	☐	100.000	99.398	65829.96	0.1526	P	1.0
6	☐	200.000	200.316	129164.69	0.3068	P	1.2

y = 0.0015 * x + 6.1553E-004
R = 1.0000
DL = 0.4664
BEC = 0.4027

Weight: <None>
Min Conc: <None>

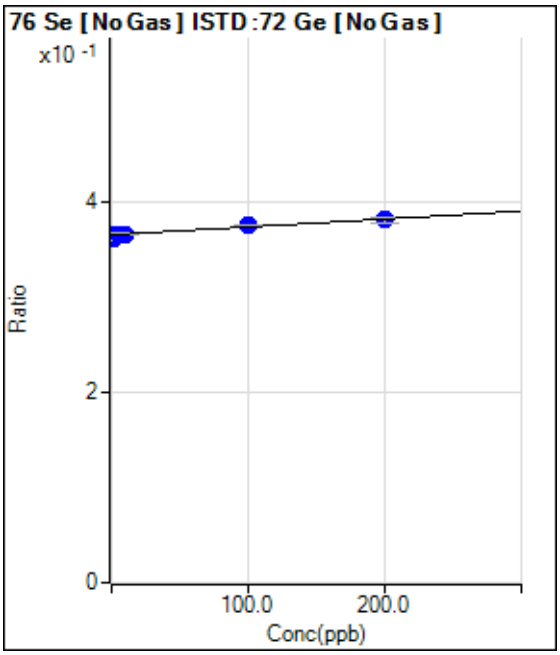


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	487.79	0.0011	P	3.1
2	☐	2.000	1.807	1747.90	0.0040	P	0.9
3	☐	5.000	4.804	3826.12	0.0088	P	2.8
4	☐	10.000	9.732	7238.64	0.0166	P	2.2
5	☐	100.000	97.229	67370.34	0.1561	P	0.4
6	☐	200.000	201.406	135628.21	0.3222	P	1.2

y = 0.0016 * x + 0.0011
R = 0.9999
DL = 0.06571
BEC = 0.7046

Weight: <None>
Min Conc: <None>

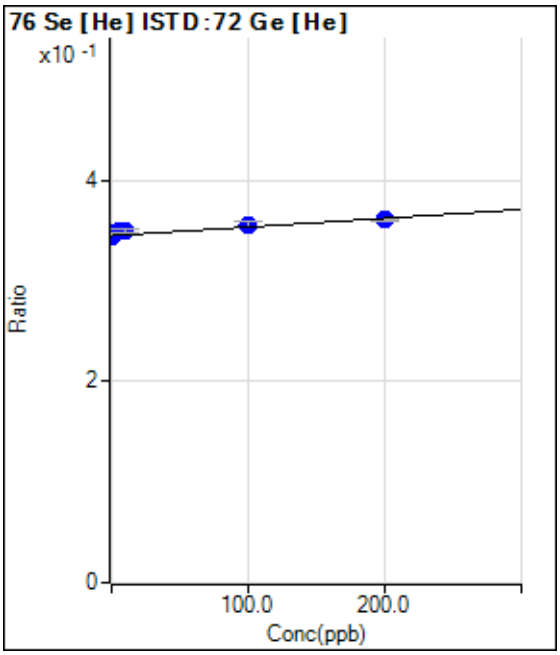
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	500798.13	0.3658	P	0.6
2	☐	2.000	-41.179	499646.87	0.3624	P	1.4
3	☐	5.000	1.637	496983.51	0.3660	P	0.3
4	☐	10.000	8.383	500371.20	0.3665	P	0.4
5	☐	100.000	125.709	511645.08	0.3763	P	0.2
6	☐	200.000	187.742	511200.25	0.3815	P	1.9

y = 8.3267E-005 * x + 0.3658
R = 0.9693
DL = 74.54
BEC = 4394

Weight: <None>
Min Conc: <None>

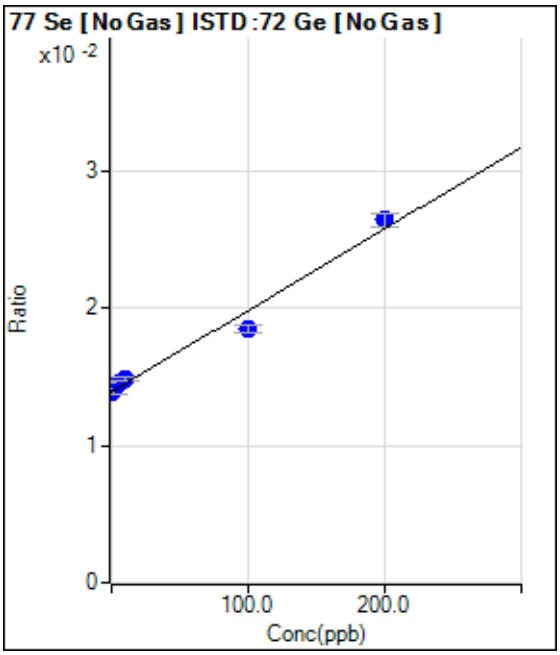


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	149977.15	0.3453	P	1.3
2	☐	2.000	28.737	151867.13	0.3478	P	1.2
3	☐	5.000	54.264	152470.54	0.3500	P	1.7
4	☐	10.000	52.640	152198.10	0.3499	P	1.2
5	☐	100.000	131.123	153954.59	0.3567	P	1.6
6	☐	200.000	180.807	151989.18	0.3610	P	0.8

y = 8.7029E-005 * x + 0.3453
R = 0.9549
DL = 150.5
BEC = 3968

Weight: <None>
Min Conc: <None>

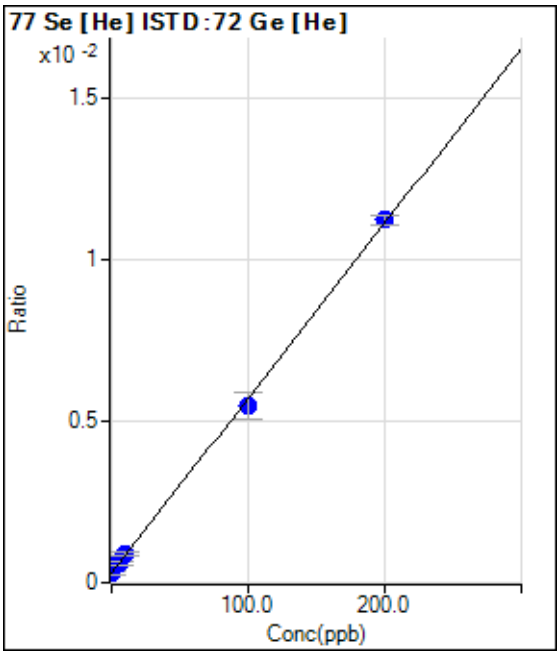
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	19063.86	0.0139	P	3.2
2	☐	2.000	0.895	19270.62	0.0140	P	3.3
3	☐	5.000	12.311	19904.99	0.0147	P	0.7
4	☐	10.000	15.330	20258.82	0.0148	P	1.8
5	☐	100.000	77.428	25193.90	0.0185	P	2.6
6	☐	200.000	210.848	35467.00	0.0265	P	3.5

y = 5.9487E-005 * x + 0.0139
R = 0.9895
DL = 22.25
BEC = 234.1

Weight: <None>
Min Conc: <None>

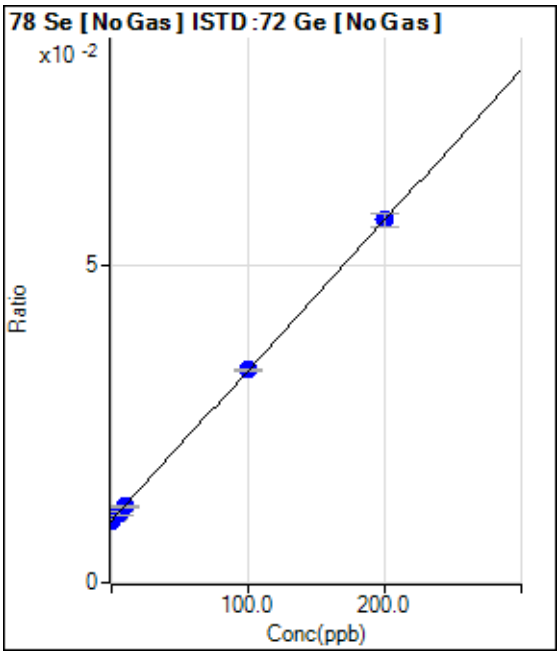


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	130.00	0.0003	P	22.6
2	☐	2.000	4.065	226.68	0.0005	P	9.7
3	☐	5.000	5.497	260.01	0.0006	P	18.0
4	☐	10.000	10.877	386.68	0.0009	P	13.7
5	☐	100.000	95.880	2370.25	0.0055	P	15.0
6	☐	200.000	201.983	4734.24	0.0112	P	2.8

y = 5.4184E-005 * x + 2.9911E-004
R = 0.9996
DL = 3.735
BEC = 5.52

Weight: <None>
Min Conc: <None>

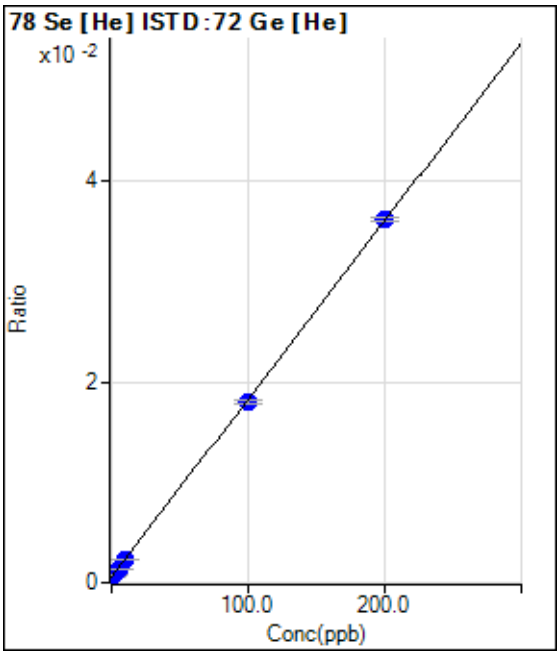
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	13396.89	0.0098	P	2.7
2	☐	2.000	1.538	13987.49	0.0101	P	3.2
3	☐	5.000	4.552	14748.31	0.0109	P	4.4
4	☐	10.000	9.277	16353.48	0.0120	P	1.1
5	☐	100.000	100.127	45517.22	0.0335	P	0.8
6	☐	200.000	199.988	76496.47	0.0571	P	3.4

y = 2.3660E-004 * x + 0.0098
R = 1.0000
DL = 3.383
BEC = 41.36

Weight: <None>
Min Conc: <None>

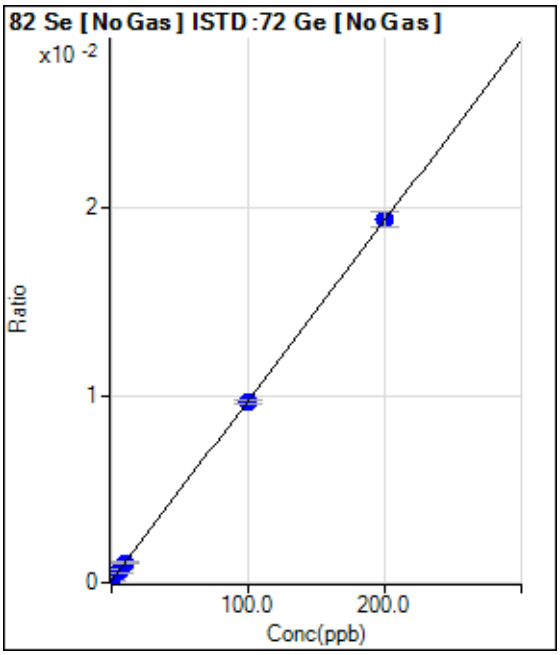


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	245.33	0.0006	P	2.0
2	☐	2.000	1.355	351.34	0.0008	P	2.7
3	☐	5.000	4.809	617.35	0.0014	P	1.4
4	☐	10.000	9.783	1000.04	0.0023	P	4.4
5	☐	100.000	98.731	7790.27	0.0181	P	1.8
6	☐	200.000	200.657	15200.55	0.0361	P	0.9

y = 1.7714E-004 * x + 5.6489E-004
R = 1.0000
DL = 0.1933
BEC = 3.189

Weight: <None>
Min Conc: <None>

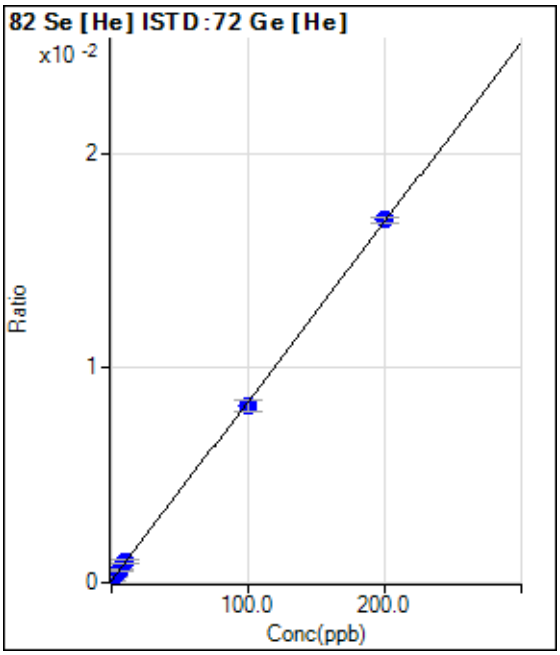
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	158.72	0.0001	P	49.9
2	☐	2.000	2.568	499.27	0.0004	P	19.2
3	☐	5.000	5.204	838.85	0.0006	P	26.7
4	☐	10.000	10.005	1472.39	0.0011	P	3.2
5	☐	100.000	99.265	13148.91	0.0097	P	2.6
6	☐	200.000	200.356	25984.38	0.0194	P	4.2

y = 9.6243E-005 * x + 1.1571E-004
R = 1.0000
DL = 1.8
BEC = 1.202

Weight: <None>
Min Conc: <None>

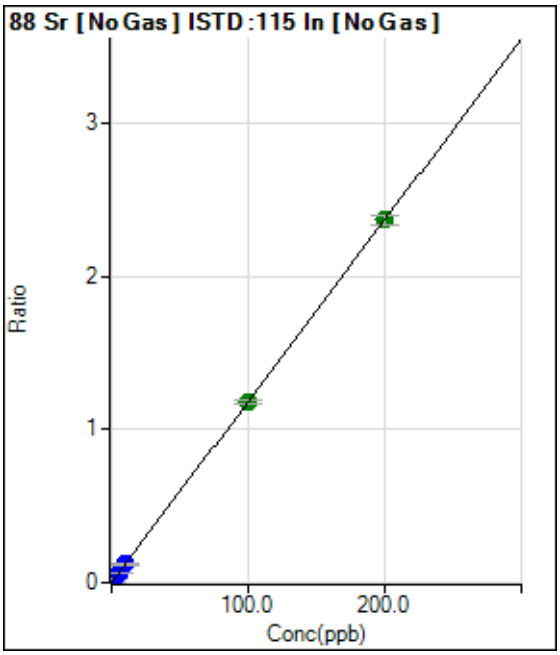


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	40.00	0.0001	P	42.7
2	☐	2.000	2.104	116.67	0.0003	P	28.3
3	☐	5.000	5.502	240.01	0.0006	P	12.8
4	☐	10.000	10.645	426.68	0.0010	P	14.4
5	☐	100.000	97.612	3560.54	0.0082	P	7.2
6	☐	200.000	201.148	7115.33	0.0169	P	1.7

y = 8.3577E-005 * x + 9.1851E-005
R = 0.9999
DL = 1.409
BEC = 1.099

Weight: <None>
Min Conc: <None>

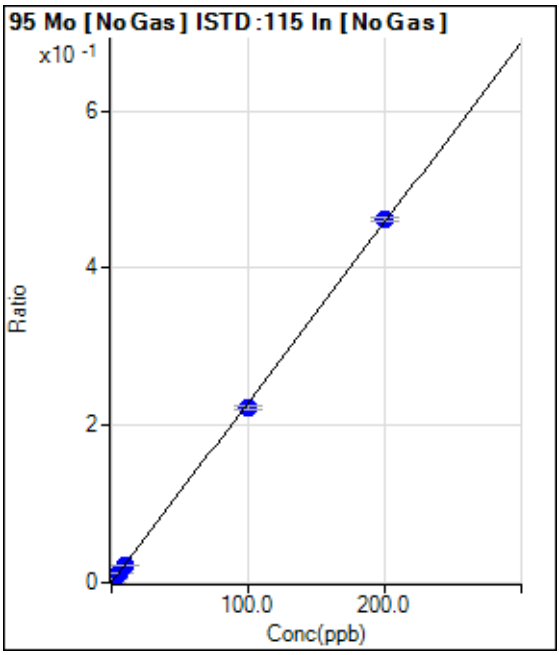
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1363.43	0.0009	P	8.6
2	☐	2.000	2.062	39715.93	0.0253	P	2.9
3	☐	5.000	5.197	96472.05	0.0623	P	1.6
4	☐	10.000	10.130	189938.47	0.1207	P	2.5
5	☐	100.000	99.619	1828631.54	1.1788	A	1.3
6	☐	200.000	200.178	3550388.38	2.3678	A	2.6

y = 0.0118 * x + 8.7790E-004
R = 1.0000
DL = 0.01917
BEC = 0.07425

Weight: <None>
Min Conc: <None>

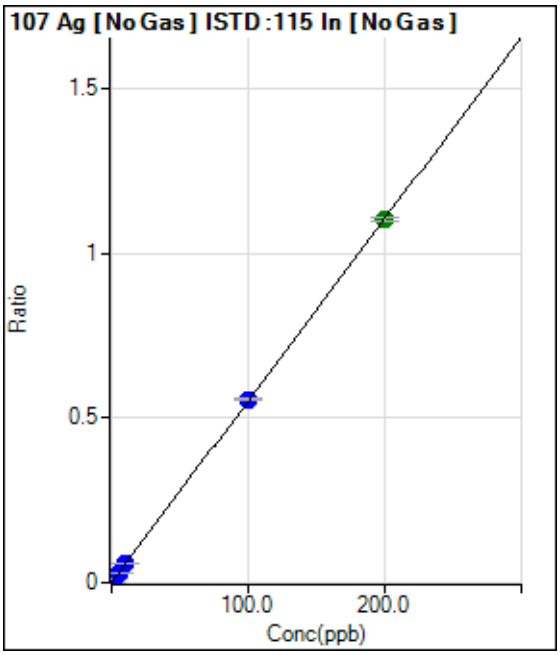


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	650.03	0.0004	P	18.7
2	☐	2.000	1.882	7435.55	0.0047	P	4.1
3	☐	5.000	4.853	17845.60	0.0115	P	2.4
4	☐	10.000	9.574	35159.98	0.0223	P	3.7
5	☐	100.000	97.288	346132.56	0.2231	P	2.1
6	☐	200.000	201.382	692097.88	0.4615	P	1.1

y = 0.0023 * x + 4.1934E-004
R = 0.9999
DL = 0.1028
BEC = 0.1832

Weight: <None>
Min Conc: <None>

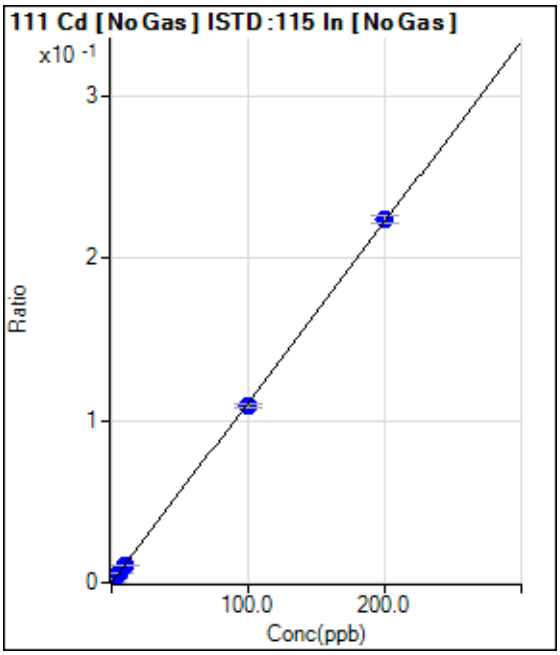
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	700.03	0.0005	P	10.6
2	☐	2.000	1.953	17675.43	0.0112	P	2.3
3	☐	5.000	5.143	44669.02	0.0289	P	3.3
4	☐	10.000	10.132	88836.91	0.0564	P	1.8
5	☐	100.000	100.837	864873.35	0.5575	P	1.7
6	☐	200.000	199.572	1654331.64	1.1030	A	1.0

y = 0.0055 * x + 4.5064E-004
R = 1.0000
DL = 0.02589
BEC = 0.08157

Weight: <None>
Min Conc: <None>

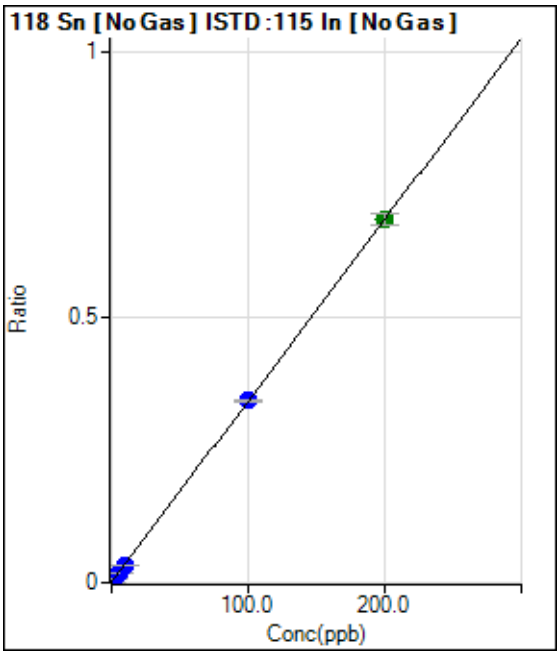


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	-7.40	0.0000	P	-86.7
2	☐	2.000	1.937	3380.87	0.0021	P	3.9
3	☐	5.000	5.025	8641.10	0.0056	P	1.8
4	☐	10.000	9.700	16974.29	0.0108	P	1.7
5	☐	100.000	97.892	168839.82	0.1088	P	1.9
6	☐	200.000	201.069	335252.45	0.2236	P	2.2

y = 0.0011 * x - 4.7487E-006
R = 0.9999
DL = 0.0111
BEC = -0.004271

Weight: <None>
Min Conc: <None>

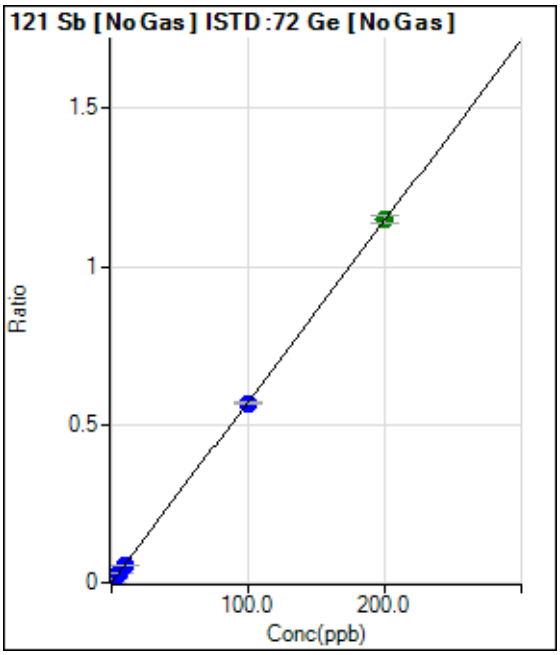
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1203.41	0.0008	P	5.9
2	☐	2.000	1.907	11475.23	0.0073	P	1.3
3	☐	5.000	4.881	27028.27	0.0175	P	0.5
4	☐	10.000	9.779	53867.24	0.0342	P	0.3
5	☐	100.000	100.102	532044.37	0.3430	P	1.8
6	☐	200.000	199.964	1026190.69	0.6844	A	3.1

y = 0.0034 * x + 7.7530E-004
R = 1.0000
DL = 0.04003
BEC = 0.2268

Weight: <None>
Min Conc: <None>

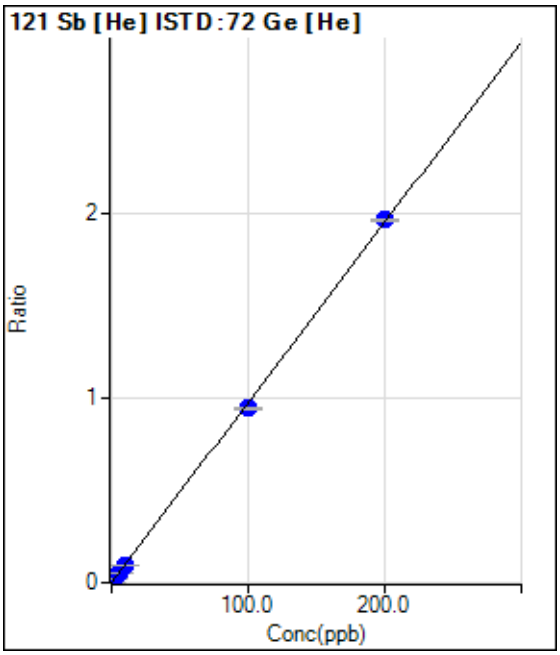


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	613.36	0.0004	P	8.6
2	☐	2.000	1.873	15382.61	0.0112	P	3.2
3	☐	5.000	4.933	38914.64	0.0287	P	2.5
4	☐	10.000	9.876	77732.58	0.0569	P	1.2
5	☐	100.000	99.055	770959.57	0.5671	P	0.9
6	☐	200.000	200.482	1537408.36	1.1472	A	2.1

y = 0.0057 * x + 4.4838E-004
R = 1.0000
DL = 0.02015
BEC = 0.07839

Weight: <None>
Min Conc: <None>

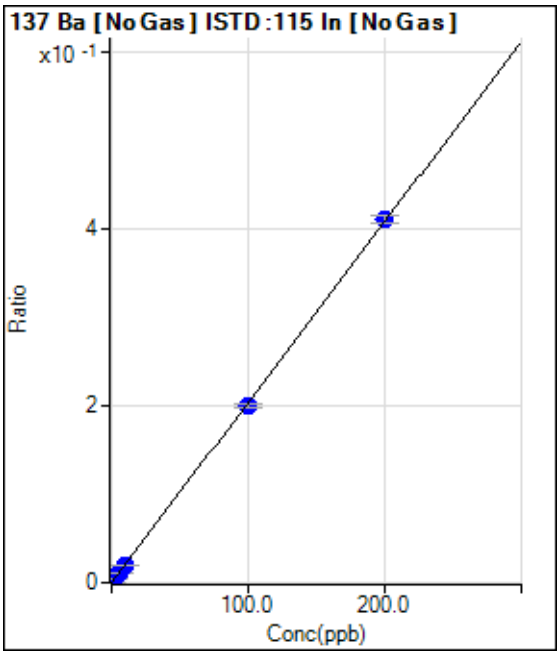
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	323.35	0.0007	P	37.4
2	☐	2.000	1.848	8192.70	0.0188	P	3.9
3	☐	5.000	4.785	20649.91	0.0474	P	1.4
4	☐	10.000	9.708	41495.95	0.0954	P	4.2
5	☐	100.000	97.031	408612.73	0.9468	P	1.1
6	☐	200.000	201.506	827434.44	1.9655	P	0.8

y = 0.0098 * x + 7.4473E-004
R = 0.9998
DL = 0.08578
BEC = 0.07638

Weight: <None>
Min Conc: <None>

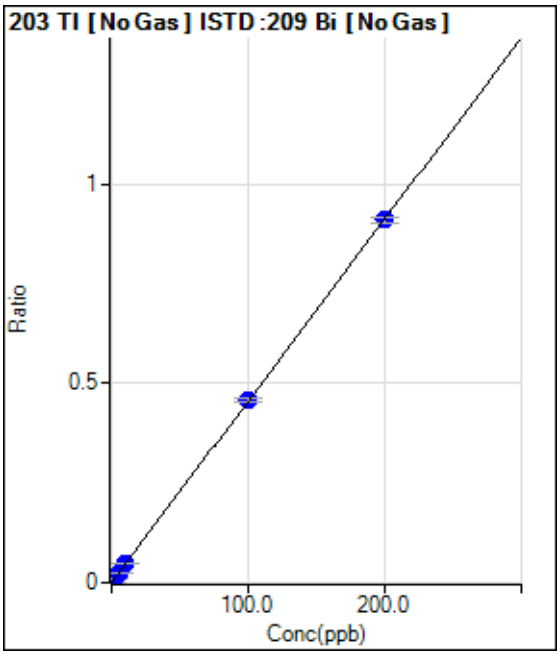


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	150.00	0.0001	P	18.4
2	☐	2.000	1.828	6008.15	0.0038	P	8.3
3	☐	5.000	4.874	15522.87	0.0100	P	2.7
4	☐	10.000	9.682	31211.18	0.0198	P	2.7
5	☐	100.000	97.755	309132.90	0.1993	P	2.6
6	☐	200.000	201.143	614806.46	0.4100	P	2.0

y = 0.0020 * x + 9.6727E-005
R = 0.9999
DL = 0.02618
BEC = 0.04747

Weight: <None>
Min Conc: <None>

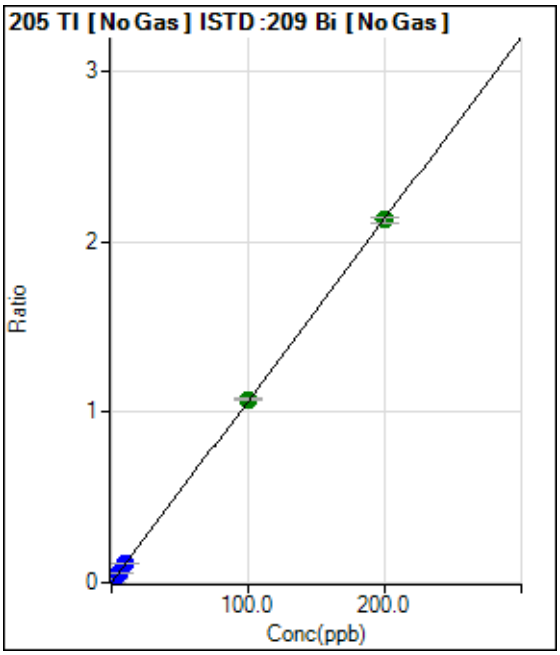
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	173.34	0.0002	P	27.3
2	☐	2.000	2.229	11088.46	0.0103	P	3.9
3	☐	5.000	5.382	26728.97	0.0247	P	1.2
4	☐	10.000	10.436	52209.10	0.0477	P	2.7
5	☐	100.000	100.402	499334.39	0.4572	P	2.1
6	☐	200.000	199.765	983252.22	0.9095	P	1.3

y = 0.0046 * x + 1.6022E-004
R = 1.0000
DL = 0.02877
BEC = 0.0352

Weight: <None>
Min Conc: <None>

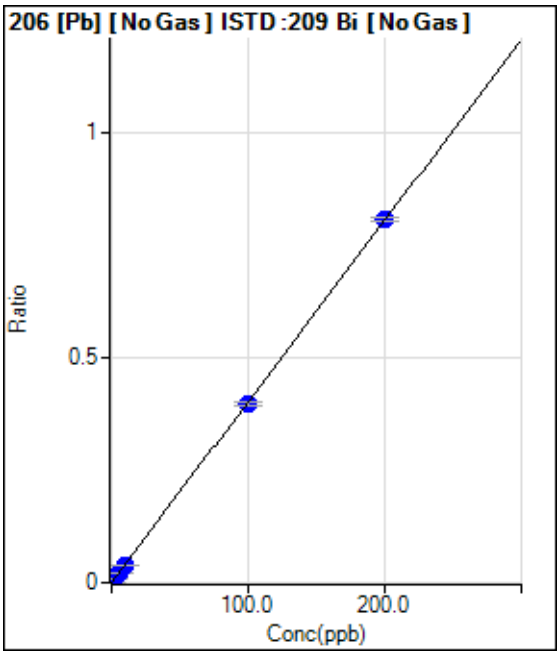


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	473.35	0.0004	P	19.3
2	☐	2.000	2.146	25132.25	0.0234	P	0.9
3	☐	5.000	5.392	62898.21	0.0580	P	1.2
4	☐	10.000	10.342	121443.72	0.1109	P	1.8
5	☐	100.000	100.833	1176736.13	1.0773	A	1.3
6	☐	200.000	199.555	2304287.26	2.1316	A	1.4

y = 0.0107 * x + 4.3774E-004
R = 1.0000
DL = 0.02369
BEC = 0.04099

Weight: <None>
Min Conc: <None>

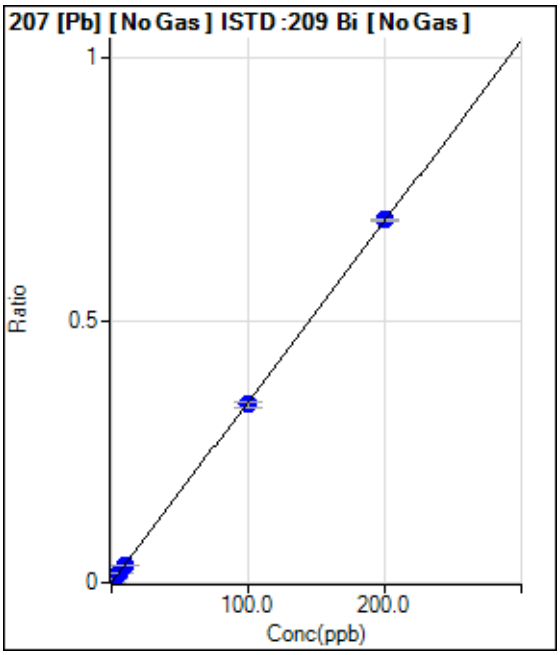
Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	206.67	0.0002	P	8.8
2	☐	2.000	2.056	9090.13	0.0084	P	3.9
3	☐	5.000	4.859	21355.26	0.0197	P	1.2
4	☐	10.000	9.935	43900.79	0.0401	P	1.3
5	☐	100.000	99.136	434935.55	0.3983	P	2.2
6	☐	200.000	200.438	870258.53	0.8050	P	1.1

y = 0.0040 * x + 1.9096E-004
R = 1.0000
DL = 0.01262
BEC = 0.04756

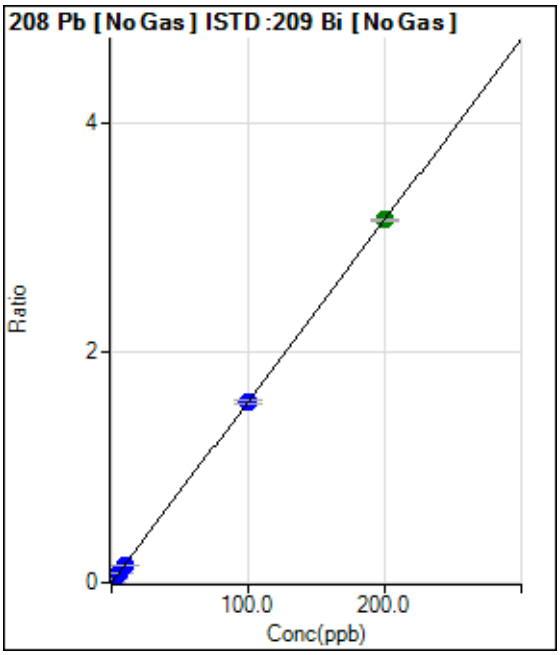
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	190.01	0.0002	P	15.4
2	☐	2.000	2.030	7709.17	0.0072	P	3.8
3	☐	5.000	4.818	18173.54	0.0168	P	0.3
4	☐	10.000	9.724	36868.14	0.0337	P	2.7
5	☐	100.000	98.524	370676.25	0.3394	P	2.7
6	☐	200.000	200.756	747534.36	0.6915	P	0.6

y = 0.0034 * x + 1.7571E-004
R = 1.0000
DL = 0.02364
BEC = 0.05103

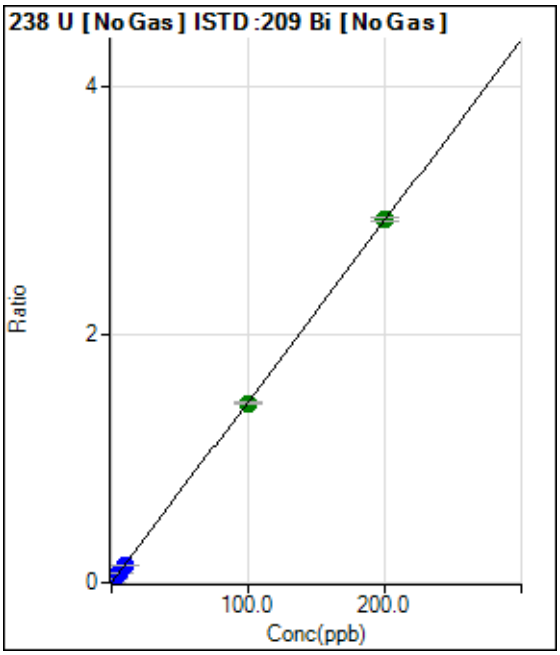
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	803.37	0.0007	P	16.4
2	☐	2.000	2.045	35470.29	0.0330	P	2.9
3	☐	5.000	4.945	85239.63	0.0786	P	0.8
4	☐	10.000	9.880	171276.18	0.1564	P	0.7
5	☐	100.000	99.673	1715464.42	1.5709	P	2.4
6	☐	200.000	200.170	3409565.73	3.1539	A	0.8

y = 0.0158 * x + 7.4350E-004
R = 1.0000
DL = 0.02317
BEC = 0.0472

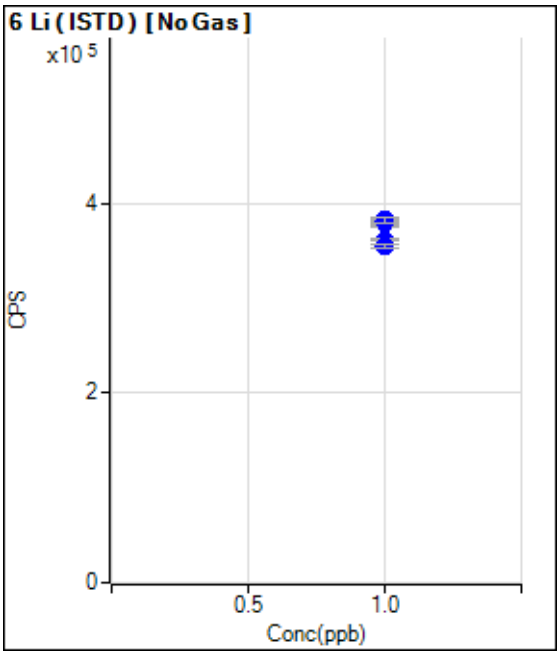
Weight: <None>
Min Conc: <None>



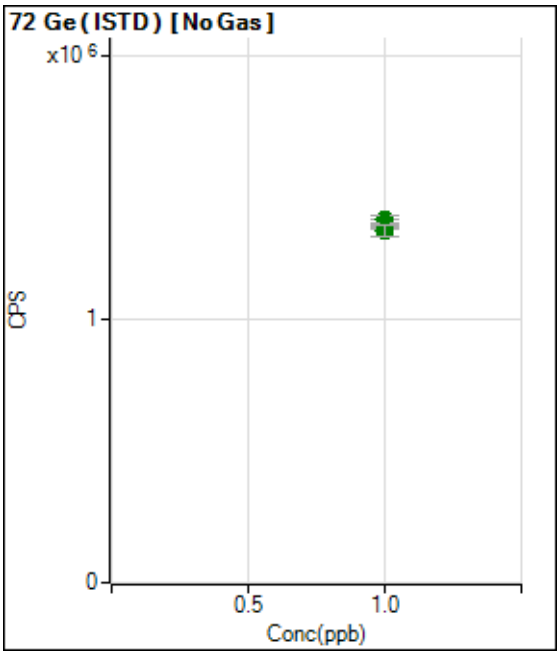
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	373.35	0.0003	P	19.2
2	☐	2.000	1.936	30728.85	0.0285	P	1.7
3	☐	5.000	4.791	76022.13	0.0701	P	0.7
4	☐	10.000	9.507	152045.99	0.1388	P	1.0
5	☐	100.000	99.092	1577036.23	1.4438	A	1.6
6	☐	200.000	200.484	3157388.91	2.9207	A	0.9

y = 0.0146 * x + 3.4353E-004
R = 1.0000
DL = 0.01361
BEC = 0.02358

Weight: <None>
Min Conc: <None>

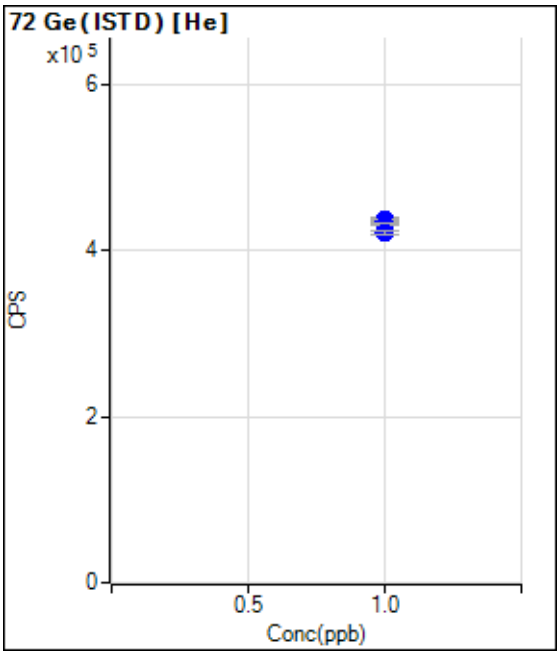


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		382126.43		P	0.8
2	☐	1.000		378879.07		P	1.6
3	☐	1.000		378112.11		P	1.9
4	☐	1.000		381757.62		P	1.5
5	☐	1.000		360861.38		P	0.7
6	☐	1.000		354731.25		P	1.4

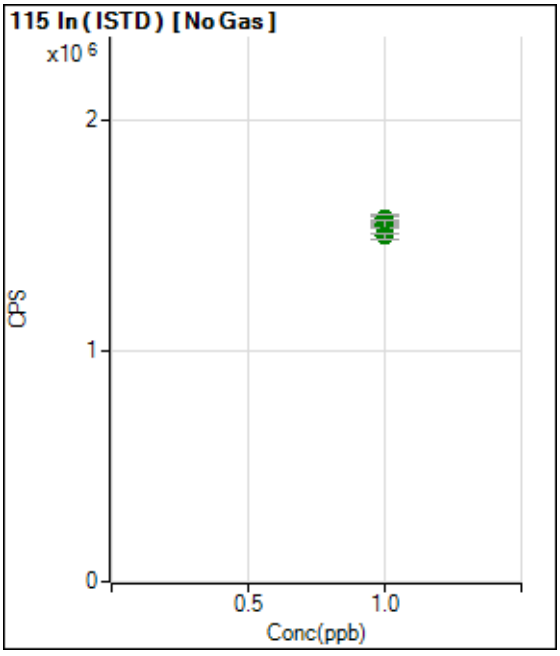


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1368912.79		A	1.3
2	☐	1.000		1378992.79		A	2.6
3	☐	1.000		1357936.70		A	1.8
4	☐	1.000		1365143.42		A	0.6
5	☐	1.000		1359648.94		A	1.2
6	☐	1.000		1340630.92		A	3.3

Calibration for 020_ICV.d

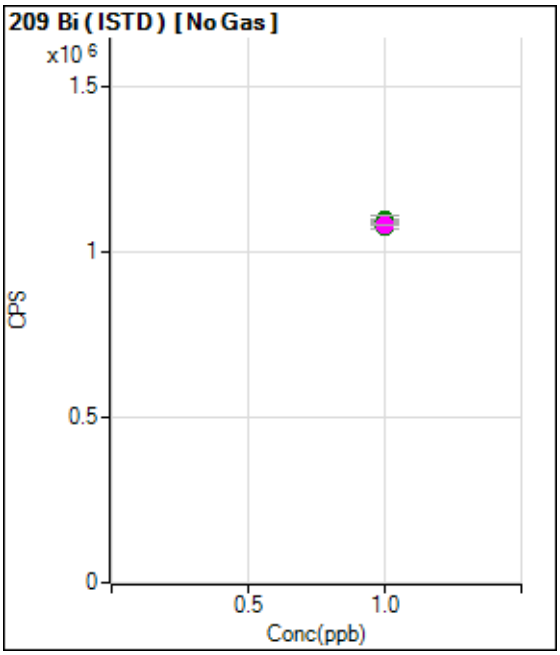


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		434354.13		P	1.0
2	☐	1.000		436609.94		P	0.9
3	☐	1.000		435689.86		P	2.1
4	☐	1.000		435031.73		P	1.4
5	☐	1.000		431537.74		P	0.9
6	☐	1.000		420984.46		P	1.2



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1552260.58		A	1.1
2	☐	1.000		1572902.71		A	1.5
3	☐	1.000		1547971.32		A	1.3
4	☐	1.000		1574861.98		A	2.4
5	☐	1.000		1551610.42		A	2.4
6	☐	1.000		1499976.33		A	2.0

Calibration for 020_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1083437.77		A	2.6
2	☐	1.000		1076245.19		A	1.3
3	☐	1.000		1083983.78		M	0.5
4	☐	1.000		1095289.67		A	0.7
5	☐	1.000		1092506.34		A	2.6
6	☐	1.000		1081056.78		M	0.3

Sample Report

Sample Table

Sample Name	LLICV2
Data File Name	022LCV2.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T10:58:39-05:00
Sample Type	LLCCV2
Dilution	1
Comment	
ISTD Ref FileName	013CALB.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
Li	7	1	No Gas	2.002	2.002	2.56	40196	0.00	2	
Be	9	1	No Gas	1.853	1.853	6.00	3749	0.05	2	
V	51	2	He	-3.250	-3.250	-3.86	19393	-0.02	2	NewName Main CR1 Failed
Cr	52	2	He	1.614	1.614	9.80	20405	0.01	2	
Fe	56	2	He	200.398	200.398	0.25	683709	0.03	200	
Se	78	2	He	1.479	1.479	24.06	365	0.41	2	
As	75	2	He	1.719	1.719	3.98	1705	0.10	2	
Ca	44	2	He	190.684	190.684	2.60	6155	3.10	200	
Na	23	2	He	214.287	214.287	0.93	160302	0.13	200	
Mg	24	2	He	220.501	220.501	1.09	73547	0.30	200	
K	39	2	He	216.960	216.960	3.34	375320	0.06	200	
Mn	55	2	He	1.905	1.905	11.71	6548	0.03	2	
Co	59	2	He	2.048	2.048	2.81	9670	0.02	2	
Ni	60	2	He	2.108	2.108	15.84	2830	0.07	2	
Cu	63	2	He	1.952	1.952	1.96	5678	0.03	2	
Zn	66	2	He	1.855	1.855	17.86	1523	0.12	2	
Al	27	2	He	2.132	2.132	35.54	1603	0.13	2	
B	11	1	No Gas	12.771	12.771	4.97	19911	0.06	10	
Al	27	1	No Gas	1.762	1.762	3.67	46799	0.00	2	
Si	28	1	No Gas	10.528	10.528	14.64	439298	0.00	10	
Ag	107	1	No Gas	1.937	1.937	2.68	17909	0.01	2	
Cd	111	1	No Gas	1.818	1.818	4.08	3239	0.06	2	
Sr	88	1	No Gas	2.000	2.000	1.88	39395	0.01	2	
Mo	95	1	No Gas	1.826	1.826	4.68	7389	0.02	2	
Sn	118	1	No Gas	1.866	1.866	4.22	11489	0.02	2	
Sb	121	1	No Gas	1.863	1.863	3.17	15499	0.01	2	
Ba	137	1	No Gas	1.913	1.913	6.85	6412	0.03	2	
Tl	205	1	No Gas	2.202	2.202	1.59	26318	0.01	2	
Tl	203	1	No Gas	2.251	2.251	4.03	11432	0.02	2	
Pb	208	1	No Gas	1.957	1.957	2.29	34683	0.01	2	
U	238	1	No Gas	1.856	1.856	2.37	30084	0.01	2	
Ca	43	2	He	198.205	198.205	19.69	383	51.70	200	
Sb	121	2	He	1.787	1.787	0.89	8016	0.02	2	
Ti	47	2	He	1.750	1.750	22.24	283	0.62	200	
Cu	63	1	No Gas	2.126	2.126	2.92	14178	0.01	2	
Se	82	1	No Gas	2.237	2.237	18.95	462	0.48	2	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	403120	1.11	382126	105.49	70	120	
Ge	72	2	He	441221	0.78	434354	101.58	70	120	
Ge	72	1	No Gas	1396173	1.57	1368913	101.99	70	120	
In	115	1	No Gas	1606577	2.04	1552261	103.50	70	120	
Bi	209	1	No Gas	1098838	2.22	1083438	101.42	70	120	

Initial Calibration Blank (ICB) Report

Sample Table

Sample Name	ICB
Data File Name	027_ICB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T11:20:01-05:00
Sample Type	ICB
Dilution	1
Comment	
ISTD Ref File Name	013CALB.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
Li	7	1	No Gas	-0.118	-35.9	27310	2.0	0.5	
Be	9	1	No Gas	-0.034	-24.1	28	53.9	0.5	
V	51	2	He	-0.405	-45.4	28751	1.4	2.5	
Cr	52	2	He	-0.223	-59.0	13847	3.1	2.5	
Fe	56	2	He	-7.524	-1.8	22796	1.6	100	
Se	78	2	He	-0.584	-80.4	203	17.3	1	
As	75	2	He	-0.102	-56.9	423	8.8	2.5	
Ca	44	2	He	-0.282	-137.7	710	2.4	100	
Na	23	2	He	-12.450	-22.5	40750	2.7	100	
Mg	24	2	He	-3.723	-25.6	3117	8.9	100	
K	39	2	He	-4.159	-169.3	244949	1.1	100	
Mn	55	2	He	0.043	69.2	730	13.5	2.5	
Co	59	2	He	0.002	335.8	63	48.2	2.5	
Ni	60	2	He	0.097	28.0	547	6.4	2.5	
Cu	63	2	He	0.018	20.7	280	3.6	1	
Zn	66	2	He	0.295	46.5	470	19.5	2.5	
Al	27	2	He	0.689	78.4	1223	10.7	5	
B	11	1	No Gas	-0.290	-154.2	6477	6.8	0.5	
Al	27	1	No Gas	0.040	312.0	33294	1.8	5	
Si	28	1	No Gas	-5.698	-43.2	362071	2.1	10	
Ag	107	1	No Gas	-0.072	-5.1	87	37.1	2.5	
Cd	111	1	No Gas	-0.006	-234.5	-19	-141.2	1	
Sr	88	1	No Gas	0.010	69.6	1573	7.8	2.5	
Mo	95	1	No Gas	-0.077	-3.6	387	1.5	2.5	
Sn	118	1	No Gas	-0.016	-114.3	1143	8.9	5	
Sb	121	1	No Gas	-0.056	-18.5	180	44.1	2.5	
Ba	137	1	No Gas	0.112	14.2	517	9.5	2.5	
Tl	205	1	No Gas	-0.032	-0.5	110	0.0	1	
Tl	203	1	No Gas	-0.029	-10.3	33	45.8	1	
Pb	208	1	No Gas	-0.007	-106.6	697	18.2	2.5	
U	238	1	No Gas	-0.021	-6.1	40	50.0	2.5	
Ca	43	2	He	-6.459	-89.6	40	25.0	100	
Sb	121	2	He	-0.059	-4.3	73	15.7	2.5	
Ti	47	2	He	-0.139	-56.4	7	173.2	2.5	
Se	82	1	No Gas	-0.356	-137.0	112	57.3	1	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	387242	1.23	382126	101.34	70	120	

Initial Calibration Blank (ICB) Report

Ge	72	2	He	441090	0.89	434354	101.55	70	120	
Ge	72	1	No Gas	1384892	1.03	1368913	101.17	70	120	
In	115	1	No Gas	1585638	1.29	1552261	102.15	70	120	
Bi	209	1	No Gas	1097937	1.67	1083438	101.34	70	120	

Sample Report

Sample Table

Sample Name	LLICV5
Data File Name	028LCV5.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T11:21:54-05:00
Sample Type	LLCCV5
Dilution	1
Comment	
ISTD Ref FileName	013CALB.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
Li	7	1	No Gas	4.638	4.638	1.26	52304	0.01	5	
Be	9	1	No Gas	4.628	4.628	1.21	8798	0.05	5	
V	51	2	He	3.902	3.902	1.03	43155	0.01	5	
Cr	52	2	He	4.404	4.404	5.98	30501	0.01	5	
Fe	56	2	He	490.357	490.357	3.14	1612927	0.03	500	
Se	78	2	He	4.026	4.026	6.60	567	0.71	5	
As	75	2	He	4.652	4.652	6.51	3784	0.12	5	
Ca	44	2	He	484.759	484.759	0.76	14608	3.32	500	
Na	23	2	He	509.110	509.110	1.97	317193	0.16	500	
Mg	24	2	He	537.144	537.144	2.19	173799	0.31	500	
K	39	2	He	508.917	508.917	1.45	549960	0.09	500	
Mn	55	2	He	4.966	4.966	4.53	16193	0.03	5	
Co	59	2	He	4.975	4.975	2.66	23527	0.02	5	
Ni	60	2	He	4.843	4.843	6.25	5968	0.08	5	
Cu	63	2	He	5.145	5.145	6.71	14662	0.04	5	
Zn	66	2	He	4.767	4.767	3.83	3504	0.14	5	
Al	27	2	He	4.087	4.087	12.01	2127	0.19	5	
B	11	1	No Gas	22.918	22.918	1.12	28763	0.08	25	
Al	27	1	No Gas	4.347	4.347	2.23	65648	0.01	5	
Si	28	1	No Gas	18.571	18.571	6.44	468853	0.00	25	
Ag	107	1	No Gas	5.029	5.029	2.53	44903	0.01	5	
Cd	111	1	No Gas	4.811	4.811	4.94	8501	0.06	5	
Sr	88	1	No Gas	5.040	5.040	2.73	96184	0.01	5	
Mo	95	1	No Gas	4.690	4.690	2.72	17742	0.03	5	
Sn	118	1	No Gas	4.884	4.884	2.05	27790	0.02	5	
Sb	121	1	No Gas	4.811	4.811	0.54	38450	0.01	5	
Ba	137	1	No Gas	4.897	4.897	4.98	16017	0.03	5	
Tl	205	1	No Gas	5.168	5.168	3.06	62526	0.01	5	
Tl	203	1	No Gas	5.107	5.107	0.87	26318	0.02	5	
Pb	208	1	No Gas	4.881	4.881	1.02	87268	0.01	5	
U	238	1	No Gas	4.647	4.647	0.94	76478	0.01	5	
Ca	43	2	He	509.811	509.811	2.99	910	56.02	500	
Sb	121	2	He	4.650	4.650	1.79	20433	0.02	5	
Ti	47	2	He	4.844	4.844	1.74	740	0.65	5	
Cu	63	1	No Gas	5.169	5.169	2.80	32365	0.02	5	
Se	82	1	No Gas	4.807	4.807	19.67	796	0.60	5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	384570	0.85	382126	100.64	70	120	
Ge	72	2	He	443339	1.08	434354	102.07	70	120	
Ge	72	1	No Gas	1374829	1.71	1368913	100.43	70	120	

Sample Report

In	115	1	No Gas	1591198	3.02	1552261	102.51	70	120	
Bi	209	1	No Gas	1124293	1.68	1083438	103.77	70	120	

Interference Check Solution A (ICS-A) Report

Sample Table

Sample Name	ICSA
Data File Name	030ICSA.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T11:26:27-05:00
Sample Type	ICSA
Dilution	1
Comment	
ISTD Ref File Name	013CALB.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
Li	7	1	No Gas	0.309	23.2	26577	1.5	0	ICSA Main CR1 Failed
Be	9	1	No Gas	-0.037	-13.8	20	43.3	0	ICSA Main CR1 Failed
V	51	2	He	-5.000	-3.9	13241	4.1	0	ICSA Main CR1 Failed
Cr	52	2	He	1.484	0.6	18516	0.6	0	ICSA Main CR1 Failed
Fe	56	2	He	97458.669	0.5	287647229	0.5	0	
Se	78	2	He	-0.138	-110.4	221	4.6	0	ICSA Main CR1 Failed
As	75	2	He	0.170	11.8	571	2.7	0	ICSA Main CR1 Failed
Ca	44	2	He	95972.849	1.7	2540808	1.9	0	
Na	23	2	He	96010.581	1.8	47031071	1.5	0	
Mg	24	2	He	95677.710	0.9	27902052	0.5	0	
K	39	2	He	96311.599	0.8	52915344	0.6	0	
Mn	55	2	He	1.235	3.1	4137	2.4	0	ICSA Main CR1 Failed
Co	59	2	He	0.643	2.5	2854	2.6	0	ICSA Main CR1 Failed
Ni	60	2	He	0.981	12.2	1440	8.4	0	ICSA Main CR1 Failed
Cu	63	2	He	0.383	17.7	1207	14.1	0	ICSA Main CR1 Failed
Zn	66	2	He	3.016	3.2	2140	2.3	0	ICSA Main CR1 Failed
Al	27	2	He	89072.440	0.7	21733180	0.2	0	
B	11	1	No Gas	1.116	5.7	7042	1.1	0	
Al	27	1	No Gas	92491.464	1.3	651571337	0.8	0	
Si	28	1	No Gas	29.575	1.2	482629	1.4	0	
Ag	107	1	No Gas	0.107	13.2	1527	7.8	0	ICSA Main CR1 Failed
Cd	111	1	No Gas	0.377	24.0	607	23.6	0	ICSA Main CR1 Failed
Sr	88	1	No Gas	4.665	2.6	82184	0.9	0	ICSA Main CR1 Failed
Mo	95	1	No Gas	1939.475	3.0	6511760	0.6	0	
Sn	118	1	No Gas	-0.028	-36.0	997	2.1	0	ICSA Main CR1 Failed
Sb	121	1	No Gas	0.205	17.8	2074	13.9	0	ICSA Main CR1 Failed
Ba	137	1	No Gas	0.671	4.6	2147	2.6	0	ICSA Main CR1 Failed
Tl	205	1	No Gas	-0.020	-36.6	237	35.2	0	ICSA Main CR1 Failed
Tl	203	1	No Gas	-0.010	-42.8	123	16.9	0	ICSA Main CR1 Failed
Pb	208	1	No Gas	0.173	9.4	3697	7.6	0	ICSA Main CR1 Failed
U	238	1	No Gas	-0.015	-9.3	137	15.2	0	ICSA Main CR1 Failed
Ca	43	2	He	95969.116	1.8	149484	1.8	0	
Sb	121	2	He	0.197	12.0	1090	8.2	0	ICSA Main CR1 Failed
Ti	47	2	He	2064.972	1.1	280812	0.6	0	
Se	82	1	No Gas	0.274	172.1	181	30.8	0	ICSA Main CR1 Failed

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	347885	0.44	382126	91.04	70	120	
Ge	72	2	He	409633	0.51	434354	94.31	70	120	
Ge	72	1	No Gas	1279655	1.13	1368913	93.48	70	120	
In	115	1	No Gas	1467427	3.50	1552261	94.53	70	120	
Bi	209	1	No Gas	1067719	0.37	1083438	98.55	70	120	

Interference Check Solution AB (ICS-AB) Report

Sample Table

Sample Name	ICSAB
Data File Name	031ICSB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T11:28:21-05:00
Sample Type	ICSB
Dilution	1
Comment	
ISTD Ref File Name	013CALB.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
Li	7	1	No Gas	96.529	2.661	476301	0.36	100	96.5	180	120	ICSB Main CR1 Failed
Be	9	1	No Gas	96.677	2.572	160811	0.50	100	96.7	80	120	
V	51	2	He	101.393	0.849	325347	0.36	100	101.4	80	120	
Cr	52	2	He	99.400	0.392	342195	0.44	100	99.4	80	120	
Fe	56	2	He	108808.678	1.246	320478669	1.17	100	108808.7	80	120	
Se	78	2	He	101.040	0.583	7547	0.27	100	101.0	80	120	
As	75	2	He	100.059	0.891	65663	0.87	100	100.1	80	120	
Ca	44	2	He	106772.772	2.064	2820637	1.68	100	106772.8	80	120	
Na	23	2	He	106930.887	0.907	52270058	1.12	100	106930.9	80	120	
Mg	24	2	He	107997.521	0.909	31429565	0.55	100	107997.5	80	120	ICSB Main CR1 Failed
K	39	2	He	106922.800	0.794	58598974	0.45	100	106922.8	80	120	
Mn	55	2	He	99.536	0.881	288765	0.70	100	99.5	80	120	
Co	59	2	He	99.712	1.093	433855	1.21	100	99.7	80	120	
Ni	60	2	He	96.920	1.484	102399	1.20	100	96.9	80	120	
Cu	63	2	He	96.935	0.999	250901	0.72	100	96.9	80	120	
Zn	66	2	He	100.883	1.493	63287	1.24	100	100.9	80	120	
Al	27	2	He	90330.963	1.089	21994840	0.82	100	90331.0	80	120	ICSB Main CR1 Failed
B	11	1	No Gas	479.028	2.353	413362	0.75	100	479.0	80	120	
Al	27	1	No Gas	93538.774	2.864	653899577	0.23	100	93538.8	80	120	ICSB Main CR1 Failed
Si	28	1	No Gas	537.070	4.155	2591281	0.62	100	537.1	80	120	
Ag	107	1	No Gas	100.134	2.527	806121	0.73	100	100.1	80	120	
Cd	111	1	No Gas	100.656	2.976	162938	0.87	100	100.7	80	120	
Sr	88	1	No Gas	106.606	2.494	1836713	1.69	100	106.6	80	120	
Mo	95	1	No Gas	2067.873	2.392	6893651	0.89	100	2067.9	80	120	ICSB Main CR1 Failed
Sn	118	1	No Gas	103.164	2.051	514712	1.71	100	103.2	80	120	
Sb	121	1	No Gas	106.573	1.624	774839	1.54	100	106.6	80	120	
Ba	137	1	No Gas	102.683	2.624	304802	1.11	100	102.7	80	120	
Tl	205	1	No Gas	98.557	0.758	1109899	0.36	100	98.6	80	120	
Tl	203	1	No Gas	99.247	0.652	476401	0.76	100	99.2	80	120	
Pb	208	1	No Gas	101.392	1.064	1684367	1.29	100	101.4	80	120	
U	238	1	No Gas	104.080	0.925	1598434	1.09	100	104.1	80	120	
Ca	43	2	He	106336.030	1.189	165282	0.79	100	106336.0	80	120	
Sb	121	2	He	100.899	1.178	402472	1.16	100	100.9	80	120	
Ti	47	2	He	2173.743	0.663	295001	0.61	100	2173.7	80	120	
Cu	63	1	No Gas	104.238	2.415	583648	0.94	100	104.2	80	120	
Se	82	1	No Gas	104.007	3.099	12861	3.35	100	104.0	80	120	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	340045	2.13	382126	88.99	70	120	
Ge	72	2	He	408789	0.42	434354	94.11	70	120	
Ge	72	1	No Gas	1270493	3.06	1368913	92.81	70	120	
In	115	1	No Gas	1456784	3.27	1552261	93.85	70	120	
Bi	209	1	No Gas	1054089	0.59	1083438	97.29	70	120	

Calibration Blank Report

Sample Table

Sample Name	CAL BLK
Data File Name	085CALB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T13:20:35-05:00
Sample Type	CalBlk
Level	1
Dilution	1
Comment	

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Li	7	1	No Gas	31333	0.01
Be	9	1	No Gas	30	0.00
V	51	2	He	14271	0.01
Cr	52	2	He	14161	0.02
Fe	56	2	He	45346	0.00
Se	78	2	He	217	7.33
As	75	2	He	441	1.50
Ca	44	2	He	620	1.71
Na	23	2	He	35469	0.01
Mg	24	2	He	1974	0.47
K	39	2	He	266703	0.00
Mn	55	2	He	363	1.16
Co	59	2	He	53	88.47
Ni	60	2	He	340	5.19
Cu	63	2	He	223	14.08
Zn	66	2	He	303	7.24
Al	27	2	He	1123	0.76
B	11	1	No Gas	6970	0.03
Al	27	1	No Gas	37310	0.00
Si	28	1	No Gas	401994	0.00
Ag	107	1	No Gas	823	0.81
Sr	88	1	No Gas	1357	0.35
Mo	95	1	No Gas	680	0.22
Sn	118	1	No Gas	1183	0.66
Sb	121	1	No Gas	743	1.78
Ba	137	1	No Gas	203	11.43
Tl	205	1	No Gas	557	2.27
Tl	203	1	No Gas	207	16.61
Pb	208	1	No Gas	727	1.34
U	238	1	No Gas	377	1.08
Ca	43	2	He	63	80.14
Sb	121	2	He	357	1.98
Ti	47	2	He	20	0.00
Cu	63	1	No Gas	1103	1.96

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Li	6	1	No Gas	471023	1.28

Calibration Blank Report

Ge	72	2	He	472743	1.60
Ge	72	1	No Gas	1532243	3.04
In	115	1	No Gas	1782326	2.20
Bi	209	1	No Gas	1201520	2.10

Calibration Standard Report

Sample Table

Sample Name	2/10/200
Data File Name	086CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T13:22:27-05:00
Sample Type	CalStd
Level	2
Dilution	1
Comment	
ISTD Ref File Name	085CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	No Gas	4052	0.04
V	51	2	He	21636	0.00
Cr	52	2	He	22295	0.01
Fe	56	2	He	758106	0.00
Se	78	2	He	385	2.03
As	75	2	He	1953	0.20
Ca	44	2	He	6805	0.04
Na	23	2	He	165303	0.00
Mg	24	2	He	82017	0.00
K	39	2	He	400911	0.00
Mn	55	2	He	7095	0.08
Co	59	2	He	10688	0.02
Ni	60	2	He	2640	0.50
Cu	63	2	He	6448	0.06
Zn	66	2	He	1693	0.65
Al	27	2	He	1804	0.31
B	11	1	No Gas	17608	0.01
Al	27	1	No Gas	54129	0.00
Si	28	1	No Gas	452497	0.00
Ag	107	1	No Gas	20456	0.01
Cd	111	1	No Gas	3744	0.17
Sr	88	1	No Gas	45407	0.00
Mo	95	1	No Gas	8723	0.01
Sn	118	1	No Gas	13444	0.02
Sb	121	1	No Gas	17595	0.01
Ba	137	1	No Gas	7399	0.08
Tl	205	1	No Gas	28874	0.00
Tl	203	1	No Gas	12049	0.02
Pb	208	1	No Gas	39829	0.00
U	238	1	No Gas	33944	0.01
Ca	43	2	He	350	5.71
Sb	121	2	He	8613	0.06
Cu	63	1	No Gas	16006	0.02

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	475143	0.23	471023	100.87	70	120	
Ge	72	2	He	469146	0.79	472743	99.24	70	120	
Ge	72	1	No Gas	1563880	1.69	1532243	102.06	70	120	

Calibration Standard Report

In	115	1	No Gas	1805997	1.17	1782326	101.33	70	120	
Bi	209	1	No Gas	1256841	1.23	1201520	104.60	70	120	

Calibration Standard Report

Sample Table

Sample Name	5/25/500
Data File Name	087CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T13:24:19-05:00
Sample Type	CalStd
Level	3
Dilution	1
Comment	
ISTD Ref File Name	085CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	No Gas	10252	0.01
V	51	2	He	32491	0.00
Cr	52	2	He	34146	0.01
Fe	56	2	He	1831651	0.00
Se	78	2	He	602	0.55
As	75	2	He	4004	0.11
Ca	44	2	He	16010	0.02
Na	23	2	He	363672	0.00
Mg	24	2	He	199967	0.00
K	39	2	He	609025	0.00
Mn	55	2	He	17094	0.02
Co	59	2	He	26132	0.00
Ni	60	2	He	6462	0.06
Cu	63	2	He	15779	0.01
Zn	66	2	He	4057	0.17
Al	27	2	He	2474	0.42
B	11	1	No Gas	34165	0.01
Al	27	1	No Gas	77324	0.00
Si	28	1	No Gas	536806	0.00
Ag	107	1	No Gas	51393	0.00
Cd	111	1	No Gas	9604	0.00
Sr	88	1	No Gas	110839	0.00
Mo	95	1	No Gas	20379	0.02
Sn	118	1	No Gas	31695	0.01
Sb	121	1	No Gas	45034	0.00
Ba	137	1	No Gas	17632	0.01
Tl	205	1	No Gas	71813	0.00
Tl	203	1	No Gas	30130	0.00
Pb	208	1	No Gas	99225	0.00
U	238	1	No Gas	84698	0.00
Ca	43	2	He	1003	1.24
Sb	121	2	He	21775	0.01
Cu	63	1	No Gas	38107	0.00

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	474252	1.53	471023	100.69	70	120	
Ge	72	2	He	472591	0.99	472743	99.97	70	120	
Ge	72	1	No Gas	1568018	1.73	1532243	102.33	70	120	

Calibration Standard Report

In	115	1	No Gas	1819393	1.03	1782326	102.08	70	120	
Bi	209	1	No Gas	1247793	1.11	1201520	103.85	70	120	

Calibration Standard Report

Sample Table

Sample Name	10/50/100
Data File Name	088CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T13:26:11-05:00
Sample Type	CalStd
Level	4
Dilution	1
Comment	
ISTD Ref File Name	085CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	No Gas	20064	0.00
V	51	2	He	50078	0.00
Cr	52	2	He	54211	0.00
Fe	56	2	He	3515075	0.00
Se	78	2	He	1043	0.14
As	75	2	He	7836	0.03
Ca	44	2	He	30628	0.01
Na	23	2	He	682270	0.00
Mg	24	2	He	393465	0.00
K	39	2	He	916179	0.00
Mn	55	2	He	33625	0.01
Co	59	2	He	51842	0.00
Ni	60	2	He	12916	0.03
Cu	63	2	He	31096	0.01
Zn	66	2	He	7686	0.05
Al	27	2	He	3841	0.21
B	11	1	No Gas	61613	0.00
Al	27	1	No Gas	123928	0.00
Si	28	1	No Gas	677874	0.00
Ag	107	1	No Gas	100523	0.00
Cd	111	1	No Gas	19659	0.01
Sr	88	1	No Gas	221100	0.00
Mo	95	1	No Gas	39596	0.00
Sn	118	1	No Gas	61909	0.00
Sb	121	1	No Gas	90471	0.00
Ba	137	1	No Gas	35489	0.00
Tl	205	1	No Gas	138129	0.00
Tl	203	1	No Gas	57616	0.00
Pb	208	1	No Gas	195347	0.00
U	238	1	No Gas	171046	0.00
Ca	43	2	He	1697	0.12
Sb	121	2	He	43369	0.00
Cu	63	1	No Gas	74597	0.00

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	469600	1.28	471023	99.70	70	120	
Ge	72	2	He	467523	0.30	472743	98.90	70	120	
Ge	72	1	No Gas	1559453	0.97	1532243	101.78	70	120	

Calibration Standard Report

In	115	1	No Gas	1803042	2.00	1782326	101.16	70	120	
Bi	209	1	No Gas	1229974	0.82	1201520	102.37	70	120	

Calibration Standard Report

Sample Table

Sample Name	100/500/10K
Data File Name	089CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T13:28:03-05:00
Sample Type	CalStd
Level	5
Dilution	1
Comment	
ISTD Ref File Name	085CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	No Gas	196430	0.00
V	51	2	He	369706	0.00
Cr	52	2	He	395608	0.00
Fe	56	2	He	33380628	0.00
Se	78	2	He	8031	0.03
As	75	2	He	72680	0.00
Ca	44	2	He	295536	0.00
Na	23	2	He	5782029	0.00
Mg	24	2	He	3446520	0.00
K	39	2	He	6508704	0.00
Mn	55	2	He	328075	0.00
Co	59	2	He	504037	0.00
Ni	60	2	He	124989	0.00
Cu	63	2	He	300731	0.00
Zn	66	2	He	72714	0.00
Al	27	2	He	28256	0.01
B	11	1	No Gas	539390	0.00
Al	27	1	No Gas	915609	0.00
Si	28	1	No Gas	3031821	0.00
Ag	107	1	No Gas	988446	0.00
Cd	111	1	No Gas	193582	0.00
Sr	88	1	No Gas	2112393	0.00
Mo	95	1	No Gas	398413	0.00
Sn	118	1	No Gas	608863	0.00
Sb	121	1	No Gas	893964	0.00
Ba	137	1	No Gas	355213	0.00
Tl	205	1	No Gas	1345678	0.00
Tl	203	1	No Gas	570289	0.00
Pb	208	1	No Gas	1939669	0.00
U	238	1	No Gas	1742029	0.00
Ca	43	2	He	17408	0.02
Sb	121	2	He	431110	0.00
Cu	63	1	No Gas	702892	0.00

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	447478	1.62	471023	95.00	70	120	
Ge	72	2	He	457699	0.84	472743	96.82	70	120	
Ge	72	1	No Gas	1516058	2.35	1532243	98.94	70	120	

Calibration Standard Report

In	115	1	No Gas	1716692	3.66	1782326	96.32	70	120	
Bi	209	1	No Gas	1216568	1.36	1201520	101.25	70	120	

Calibration Standard Report

Sample Table

Sample Name	200/1000/20K
Data File Name	090CALS.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T13:29:52-05:00
Sample Type	CalStd
Level	6
Dilution	1
Comment	
ISTD Ref File Name	085CALB.d
ISTD Pass/Fail	Pass

QC Analyte Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD
Be	9	1	No Gas	378842	0.00
V	51	2	He	702976	0.00
Cr	52	2	He	743697	0.00
Fe	56	2	He	64400254	0.00
Se	78	2	He	15363	0.01
As	75	2	He	139929	0.00
Ca	44	2	He	569717	0.00
Na	23	2	He	10975426	0.00
Mg	24	2	He	6500638	0.00
K	39	2	He	12029114	0.00
Mn	55	2	He	625804	0.00
Co	59	2	He	965109	0.00
Ni	60	2	He	235478	0.00
Cu	63	2	He	575913	0.00
Zn	66	2	He	138078	0.00
Al	27	2	He	52489	0.00
B	11	1	No Gas	892705	0.00
Al	27	1	No Gas	1721783	0.00
Si	28	1	No Gas	5284707	0.00
Ag	107	1	No Gas	1885122	0.00
Cd	111	1	No Gas	379398	0.00
Sr	88	1	No Gas	3980453	0.00
Mo	95	1	No Gas	785065	0.00
Sn	118	1	No Gas	1178736	0.00
Sb	121	1	No Gas	1730429	0.00
Ba	137	1	No Gas	692185	0.00
Tl	205	1	No Gas	2599721	0.00
Tl	203	1	No Gas	1069018	0.00
Pb	208	1	No Gas	3810794	0.00
U	238	1	No Gas	3494943	0.00
Ca	43	2	He	34209	0.01
Sb	121	2	He	853259	0.00
Cu	63	1	No Gas	1316742	0.00

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	431923	1.63	471023	91.70	70	120	
Ge	72	2	He	440981	1.38	472743	93.28	70	120	
Ge	72	1	No Gas	1457867	4.04	1532243	95.15	70	120	

Calibration Standard Report

In	115	1	No Gas	1680846	2.97	1782326	94.31	70	120	
Bi	209	1	No Gas	1181656	1.10	1201520	98.35	70	120	

Initial Calibration Blank (ICB) Report

Sample Table

Sample Name	ICCB
Data File Name	095_ICB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T13:39:43-05:00
Sample Type	ICB
Dilution	1
Comment	
ISTD Ref File Name	085CALB.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
Li	7	1	No Gas	0.098	42.9	31600	0.6	0.5	
Be	9	1	No Gas	0.038	28.4	107	21.7	0.5	
V	51	2	He	-1.081	-4.4	10082	2.2	2.5	
Cr	52	2	He	0.292	11.8	15008	1.8	2.5	
Fe	56	2	He	-6.648	-2.6	21971	1.7	100	
Se	78	2	He	-0.214	-250.7	195	20.8	1	
As	75	2	He	-0.068	-69.0	382	8.1	2.5	
Ca	44	2	He	5.980	40.4	787	9.4	100	
Na	23	2	He	5.385	24.2	37878	2.1	100	
Mg	24	2	He	0.111	133.4	1974	1.8	100	
K	39	2	He	-18.174	-10.8	250159	0.7	100	
Mn	55	2	He	0.072	25.0	593	9.6	2.5	
Co	59	2	He	0.009	85.5	97	39.2	2.5	
Ni	60	2	He	0.062	57.4	410	10.6	2.5	
Cu	63	2	He	0.033	77.0	320	25.0	1	
Zn	66	2	He	0.316	8.4	527	2.9	2.5	
Al	27	2	He	0.570	98.9	1257	12.1	5	
B	11	1	No Gas	3.508	11.6	10789	3.5	0.5	ICB Main CR1 Failed
Al	27	1	No Gas	0.132	12.2	39135	1.7	5	
Si	28	1	No Gas	-1.764	-37.0	399348	0.7	10	
Ag	107	1	No Gas	-0.065	-2.5	170	11.8	2.5	
Cd	111	1	No Gas	-0.009	-217.5	-29	-136.5	1	
Sr	88	1	No Gas	0.009	60.8	1577	8.6	2.5	
Mo	95	1	No Gas	-0.064	-28.8	420	18.6	2.5	
Sn	118	1	No Gas	0.066	9.3	1620	2.5	5	
Sb	121	1	No Gas	-0.037	-5.4	413	5.0	2.5	
Ba	137	1	No Gas	0.096	15.6	567	10.6	2.5	
Tl	205	1	No Gas	-0.001	-124.9	577	2.0	1	
Tl	203	1	No Gas	-0.004	-185.3	200	18.0	1	
Pb	208	1	No Gas	0.000	-2329.7	777	5.4	2.5	
U	238	1	No Gas	-0.017	-7.7	80	33.1	2.5	
Ca	43	2	He	-6.521	-151.8	50	34.6	100	
Sb	121	2	He	-0.034	-34.7	200	26.0	2.5	
Ti	47	2	He	-0.063	-102.7	10	100.0	2.5	
Se	82	1	No Gas	-0.851	-39.4	119	45.0	1	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	466101	1.35	471023	98.96	70	120	
Ge	72	2	He	463410	1.07	472743	98.03	70	120	
Ge	72	1	No Gas	1557082	1.53	1532243	101.62	70	120	
In	115	1	No Gas	1809790	1.89	1782326	101.54	70	120	
Bi	209	1	No Gas	1284080	2.04	1201520	106.87	70	120	

Sample Report

Sample Table

Sample Name	LLCCV2
Data File Name	097LCV2.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T13:45:45-05:00
Sample Type	LLCCV2
Dilution	1
Comment	
ISTD Ref FileName	085CALB.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
Li	7	1	No Gas	1.976	1.976	4.97	43193	0.00	2	
Be	9	1	No Gas	1.922	1.922	6.18	3974	0.05	2	
V	51	2	He	1.210	1.210	6.92	18765	0.01	2	NewName Main CR1 Failed
Cr	52	2	He	2.068	2.068	2.01	22302	0.01	2	
Fe	56	2	He	201.166	201.166	1.79	739914	0.03	200	
Se	78	2	He	1.644	1.644	7.82	351	0.47	2	
As	75	2	He	1.907	1.907	8.94	1869	0.10	2	
Ca	44	2	He	196.304	196.304	3.19	6615	2.97	200	
Na	23	2	He	213.966	213.966	2.35	161485	0.13	200	
Mg	24	2	He	217.247	217.247	2.68	78088	0.28	200	
K	39	2	He	184.748	184.748	5.54	384347	0.05	200	
Mn	55	2	He	1.988	1.988	5.50	7049	0.03	2	
Co	59	2	He	2.029	2.029	0.81	10574	0.02	2	
Ni	60	2	He	1.849	1.849	7.27	2684	0.07	2	
Cu	63	2	He	2.028	2.028	1.79	6495	0.03	2	
Zn	66	2	He	1.884	1.884	6.02	1700	0.11	2	
Al	27	2	He	1.124	1.124	47.93	1437	0.08	2	NewName Main CR1 Failed
B	11	1	No Gas	12.369	12.369	2.87	20709	0.06	10	
Al	27	1	No Gas	1.678	1.678	14.46	53234	0.00	2	
Si	28	1	No Gas	4.658	4.658	45.68	434696	0.00	10	NewName Main CR1 Failed
Ag	107	1	No Gas	1.886	1.886	2.03	20272	0.01	2	
Cd	111	1	No Gas	1.900	1.900	2.78	3908	0.05	2	
Sr	88	1	No Gas	1.983	1.983	2.41	44638	0.00	2	
Mo	95	1	No Gas	1.817	1.817	2.07	8436	0.02	2	
Sn	118	1	No Gas	1.875	1.875	4.76	13244	0.01	2	
Sb	121	1	No Gas	1.836	1.836	5.53	17766	0.01	2	
Ba	137	1	No Gas	1.833	1.833	5.21	7112	0.03	2	
Tl	205	1	No Gas	2.000	2.000	2.23	29184	0.01	2	
Tl	203	1	No Gas	2.062	2.062	3.65	12420	0.02	2	
Pb	208	1	No Gas	1.891	1.891	0.83	40266	0.00	2	
U	238	1	No Gas	1.817	1.817	2.91	35057	0.01	2	
Ca	43	2	He	155.403	155.403	6.95	347	44.83	200	
Sb	121	2	He	1.802	1.802	3.06	8563	0.02	2	
Ti	47	2	He	2.058	2.058	29.36	343	0.60	200	
Cu	63	1	No Gas	2.018	2.018	3.66	15439	0.01	2	
Se	82	1	No Gas	1.892	1.892	16.85	546	0.35	2	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	467992	0.48	471023	99.36	70	120	
Ge	72	2	He	473260	0.37	472743	100.11	70	120	
Ge	72	1	No Gas	1562922	2.65	1532243	102.00	70	120	
In	115	1	No Gas	1827326	0.89	1782326	102.52	70	120	
Bi	209	1	No Gas	1298059	0.66	1201520	108.03	70	120	

Sample Report

Sample Table

Sample Name	LLCCV5
Data File Name	098LCV5.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T13:47:38-05:00
Sample Type	LLCCV5
Dilution	1
Comment	
ISTD Ref FileName	085CALB.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
Li	7	1	No Gas	4.787	4.787	2.77	60558	0.01	5	
Be	9	1	No Gas	4.758	4.758	2.78	9828	0.05	5	
V	51	2	He	4.300	4.300	2.08	29846	0.01	5	
Cr	52	2	He	5.248	5.248	5.31	34387	0.02	5	
Fe	56	2	He	507.527	507.527	1.39	1777350	0.03	500	
Se	78	2	He	4.854	4.854	2.25	605	0.80	5	
As	75	2	He	4.823	4.823	2.52	4006	0.12	5	
Ca	44	2	He	492.602	492.602	3.92	15482	3.18	500	
Na	23	2	He	536.678	536.678	1.49	347527	0.15	500	
Mg	24	2	He	552.127	552.127	1.49	193201	0.29	500	
K	39	2	He	503.191	503.191	1.68	579971	0.09	500	
Mn	55	2	He	4.985	4.985	2.45	16934	0.03	5	
Co	59	2	He	4.986	4.986	0.85	25618	0.02	5	
Ni	60	2	He	4.970	4.970	6.84	6565	0.08	5	
Cu	63	2	He	5.078	5.078	4.57	15746	0.03	5	
Zn	66	2	He	4.486	4.486	10.80	3591	0.12	5	
Al	27	2	He	3.797	3.797	6.70	2154	0.18	5	
B	11	1	No Gas	26.142	26.142	1.13	36173	0.07	25	
Al	27	1	No Gas	4.075	4.075	8.89	75927	0.01	5	
Si	28	1	No Gas	21.091	21.091	12.77	528850	0.00	25	
Ag	107	1	No Gas	4.942	4.942	1.76	52022	0.01	5	
Cd	111	1	No Gas	4.695	4.695	3.33	9727	0.05	5	
Sr	88	1	No Gas	4.986	4.986	1.43	110701	0.00	5	
Mo	95	1	No Gas	4.579	4.579	1.26	20309	0.02	5	
Sn	118	1	No Gas	4.881	4.881	4.86	32716	0.01	5	
Sb	121	1	No Gas	4.764	4.764	3.36	45493	0.01	5	
Ba	137	1	No Gas	4.723	4.723	2.24	18086	0.03	5	
Tl	205	1	No Gas	5.169	5.169	1.31	73690	0.01	5	
Tl	203	1	No Gas	5.327	5.327	3.89	31380	0.02	5	
Pb	208	1	No Gas	4.834	4.834	2.24	100649	0.00	5	
U	238	1	No Gas	4.684	4.684	1.28	88797	0.01	5	
Ca	43	2	He	468.107	468.107	5.17	907	51.63	500	
Sb	121	2	He	4.647	4.647	3.62	21268	0.02	5	
Ti	47	2	He	4.719	4.719	11.48	753	0.63	5	
Cu	63	1	No Gas	4.966	4.966	4.08	36850	0.01	5	
Se	82	1	No Gas	4.479	4.479	10.24	962	0.47	5	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	469525	0.58	471023	99.68	70	120	
Ge	72	2	He	467930	0.81	472743	98.98	70	120	
Ge	72	1	No Gas	1584530	3.10	1532243	103.41	70	120	

Sample Report

In	115	1	No Gas	1836715	1.60	1782326	103.05	70	120	
Bi	209	1	No Gas	1284637	1.88	1201520	106.92	70	120	

Initial Calibration Verification (ICV) Report

Sample Table

Sample Name	ICCV
Data File Name	099_ICV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T13:49:29-05:00
Sample Type	ICV
Dilution	1
Comment	
ISTD Ref File Name	085CALB.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
Li	7	1	No Gas	99.606	1.689	613334	0.55	100	99.6	90	110	
Be	9	1	No Gas	100.371	2.053	197675	1.08	100	100.4	90	110	
V	51	2	He	100.189	1.581	374422	0.23	100	100.2	90	110	
Cr	52	2	He	101.420	0.754	401428	1.04	100	101.4	90	110	
Fe	56	2	He	10085.837	1.499	33940057	0.59	10000	100.9	90	110	
Se	78	2	He	104.246	2.111	8458	1.63	100	104.2	90	110	
As	75	2	He	102.072	1.867	74785	0.52	100	102.1	90	110	
Ca	44	2	He	10147.622	1.874	302186	0.51	10000	101.5	90	110	
Na	23	2	He	10257.804	0.322	5914181	1.51	10000	102.6	90	110	
Mg	24	2	He	10252.135	1.309	3498449	1.33	10000	102.5	90	110	
K	39	2	He	10235.046	2.746	6586608	1.39	10000	102.4	90	110	
Mn	55	2	He	101.911	0.588	333987	0.87	100	101.9	90	110	
Co	59	2	He	101.419	2.270	511946	1.21	100	101.4	90	110	
Ni	60	2	He	101.478	2.253	125507	0.79	100	101.5	90	110	
Cu	63	2	He	102.455	0.982	308705	0.48	100	102.5	90	110	
Zn	66	2	He	101.447	1.330	73508	0.89	100	101.4	90	110	
Al	27	2	He	103.230	2.398	28930	0.87	100	103.2	90	110	
B	11	1	No Gas	510.929	0.965	552792	1.29	500	102.2	90	110	
Al	27	1	No Gas	99.103	1.708	928936	1.86	100	99.1	90	110	
Si	28	1	No Gas	508.059	1.961	3081438	1.86	500	101.6	90	110	
Ag	107	1	No Gas	99.200	0.769	1004466	0.45	100	99.2	90	110	
Cd	111	1	No Gas	97.417	1.735	197334	1.05	100	97.4	90	110	
Sr	88	1	No Gas	98.796	1.696	2117513	1.05	100	98.8	90	110	
Mo	95	1	No Gas	96.406	1.746	403950	1.09	100	96.4	90	110	
Sn	118	1	No Gas	99.084	1.412	625646	0.69	100	99.1	90	110	
Sb	121	1	No Gas	99.479	1.172	916792	1.36	100	99.5	90	110	
Ba	137	1	No Gas	97.020	1.329	359013	0.66	100	97.0	90	110	
Tl	205	1	No Gas	98.986	0.686	1376601	0.33	100	99.0	90	110	
Tl	203	1	No Gas	101.548	2.177	584265	1.34	100	101.5	90	110	
Pb	208	1	No Gas	97.329	0.685	1977558	1.39	100	97.3	90	110	
U	238	1	No Gas	97.167	1.192	1802737	0.32	100	97.2	90	110	
Ca	43	2	He	10004.613	0.948	17832	0.68	10000	100.0	90	110	
Sb	121	2	He	99.210	1.608	439962	0.77	100	99.2	90	110	
Ti	47	2	He	104.899	1.902	16063	0.93	100	104.9	90	110	
Cu	63	1	No Gas	101.314	0.719	715707	0.86	100	101.3	90	110	
Se	82	1	No Gas	98.747	4.015	15548	4.13	100	98.7	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	449000	1.26	471023	95.32	70	120	
Ge	72	2	He	460727	1.45	472743	97.46	70	120	
Ge	72	1	No Gas	1553093	0.27	1532243	101.36	70	120	
In	115	1	No Gas	1794489	0.74	1782326	100.68	70	120	
Bi	209	1	No Gas	1262616	0.87	1201520	105.08	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	174_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T16:34:12-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	085CALB.d
n	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
Li	7	1	No Gas	98.279	15.544	571177	1.71	100	98.3	90	110	
Be	9	1	No Gas	100.141	17.481	185557	4.52	100	100.1	90	110	
V	51	2	He	95.368	1.415	352409	1.06	100	95.4	90	110	
Cr	52	2	He	102.965	0.769	401985	0.56	100	103.0	90	110	
Fe	56	2	He	9644.835	1.137	32035228	1.43	10000	96.4	90	110	
Se	78	2	He	97.518	2.110	7822	2.12	100	97.5	90	110	
As	75	2	He	96.010	1.154	69451	0.48	100	96.0	90	110	
Ca	44	2	He	9595.454	0.243	282061	0.49	10000	96.0	90	110	
Na	23	2	He	9830.511	1.345	5594544	1.36	10000	98.3	90	110	
Mg	24	2	He	9677.774	1.427	3259468	2.00	10000	96.8	90	110	
K	39	2	He	9488.853	1.718	6046373	2.08	10000	94.9	90	110	
Mn	55	2	He	97.313	1.455	314746	1.37	100	97.3	90	110	
Co	59	2	He	96.483	1.579	480689	1.19	100	96.5	90	110	
Ni	60	2	He	103.510	0.746	126355	0.93	100	103.5	90	110	
Cu	63	2	He	97.749	0.767	290690	1.20	100	97.7	90	110	
Zn	66	2	He	100.033	1.088	71538	0.53	100	100.0	90	110	
Al	27	2	He	103.087	1.594	28520	2.19	100	103.1	90	110	
B	11	1	No Gas	503.786	16.714	513275	3.73	500	100.8	90	110	
Al	27	1	No Gas	104.802	17.466	942507	5.11	100	104.8	90	110	
Si	28	1	No Gas	619.656	15.473	3537003	2.19	5000	12.4	90	110	CCV Main CR1-2 Failed
Ag	107	1	No Gas	98.377	18.238	961321	4.47	100	98.4	90	110	
Cd	111	1	No Gas	96.806	19.421	189014	5.27	100	96.8	90	110	
Sr	88	1	No Gas	98.566	16.985	2041400	3.29	100	98.6	90	110	
Mo	95	1	No Gas	94.881	19.422	383226	5.20	100	94.9	90	110	
Sn	118	1	No Gas	99.389	19.822	604713	6.13	100	99.4	90	110	
Sb	121	1	No Gas	101.162	17.711	895715	5.64	100	101.2	90	110	
Ba	137	1	No Gas	98.514	19.273	351441	5.55	100	98.5	90	110	
Tl	205	1	No Gas	93.588	19.913	1304516	6.98	100	93.6	90	110	
Tl	203	1	No Gas	96.367	19.105	556304	7.23	100	96.4	90	110	
Pb	208	1	No Gas	96.224	18.728	1961797	6.43	100	96.2	90	110	
U	238	1	No Gas	99.218	19.164	1846312	6.31	100	99.2	90	110	
Ca	43	2	He	9551.355	2.655	16804	2.65	10000	95.5	90	110	
Sb	121	2	He	97.054	0.475	424794	0.51	100	97.1	90	110	
Ti	47	2	He	96.250	0.935	14548	0.48	100	96.2	90	110	
Cu	63	1	No Gas	98.382	15.880	668854	4.08	100	98.4	90	110	
Se	82	1	No Gas	95.953	18.133	14520	5.15	100	96.0	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	429272	13.85	471023	91.14	70	120	
Ge	72	2	He	454661	0.67	472743	96.18	70	120	
Ge	72	1	No Gas	1515349	12.99	1532243	98.90	70	120	
In	115	1	No Gas	1763830	15.03	1782326	98.96	70	120	
Bi	209	1	No Gas	1288856	13.71	1201520	107.27	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	175_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T16:36:01-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	085CALB.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
Li	7	1	No Gas	0.016	243.3	29107	0.0	0.5	
Be	9	1	No Gas	0.039	4.3	102	2.8	0.5	
V	51	2	He	-0.645	-7.5	11434	1.7	2.5	
Cr	52	2	He	0.150	153.7	14188	6.5	2.5	
Fe	56	2	He	-6.666	-4.4	21490	4.3	100	
Se	78	2	He	-0.630	-30.4	159	9.6	2	
As	75	2	He	0.019	366.5	438	11.3	2.5	
Ca	44	2	He	-6.343	-33.6	410	14.8	100	
Na	23	2	He	189.093	1.4	141014	0.7	100	CCB Main CR1 Failed
Mg	24	2	He	-1.094	-8.5	1530	2.4	100	
K	39	2	He	-36.219	-9.3	234331	0.5	100	
Mn	55	2	He	0.044	12.0	490	3.5	2.5	
Co	59	2	He	0.000	-683.0	50	20.0	2.5	
Ni	60	2	He	-0.055	-104.6	260	26.6	2.5	
Cu	63	2	He	0.046	12.1	350	4.9	2	
Zn	66	2	He	0.166	86.8	410	25.3	2.5	
Al	27	2	He	-1.096	-99.4	790	37.0	5	
B	11	1	No Gas	3.926	13.4	10532	4.5	0.5	CCB Main CR1 Failed
Al	27	1	No Gas	-2.123	-2.9	18349	3.9	5	
Si	28	1	No Gas	-12.831	-8.6	332573	0.7	10	
Ag	107	1	No Gas	-0.066	-4.1	163	15.4	2.5	
Cd	111	1	No Gas	0.013	54.9	16	92.6	1	
Sr	88	1	No Gas	-0.020	-7.7	947	4.3	2.5	
Mo	95	1	No Gas	0.006	563.1	723	18.9	2.5	
Sn	118	1	No Gas	0.073	34.4	1687	10.4	5	
Sb	121	1	No Gas	-0.017	-10.9	580	3.4	2.5	
Ba	137	1	No Gas	0.020	46.1	283	13.4	2.5	
Tl	205	1	No Gas	0.644	43.1	10141	39.0	1	
Tl	203	1	No Gas	0.671	42.8	4338	39.1	1	
Pb	208	1	No Gas	0.015	18.4	1137	7.1	2.5	
U	238	1	No Gas	-0.001	-285.3	400	13.9	2.5	
Ca	43	2	He	-17.435	-33.0	30	33.3	100	
Sb	121	2	He	-0.019	-31.4	260	10.2	2.5	
Ti	47	2	He	-0.039	-99.1	13	43.3	2.5	
Cu	63	1	No Gas	0.329	7.4	3367	7.0	2.5	
Se	82	1	No Gas	-0.920	-37.7	105	52.2	2	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	436247	0.73	471023	92.62	70	120	
Ge	72	2	He	454471	0.36	472743	96.14	70	120	
Ge	72	1	No Gas	1518981	2.01	1532243	99.13	70	120	
In	115	1	No Gas	1830428	1.47	1782326	102.70	70	120	
Bi	209	1	No Gas	1349044	2.21	1201520	112.28	70	120	

Sample Report

Sample Table

Sample Name	MBLK-196608
Data File Name	176SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T16:37:59-05:00
Sample Type	Sample
Dilution	1
Comment	TW DOD B 196608
ISTD Ref FileName	085CALB.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
Li	7	1	No Gas	-0.087	-0.087	-59.91	28706	0.00	2000	
Be	9	1	No Gas	0.011	0.011	62.66	50	0.02	2000	
V	51	2	He	-0.447	-0.447	-12.13	12178	0.00	2000	
Cr	52	2	He	0.067	0.067	291.58	13914	0.00	2000	
Fe	56	2	He	-7.262	-7.262	-2.05	19578	-0.04	200000	
Se	78	2	He	-0.245	-0.245	-51.92	190	-0.13	2000	
As	75	2	He	-0.043	-0.043	-52.57	394	-0.01	2000	
Ca	44	2	He	5.181	5.181	48.85	750	0.69	200000	
Na	23	2	He	179.722	179.722	3.20	136163	0.13	200000	
Mg	24	2	He	-0.713	-0.713	-32.75	1663	-0.04	200000	
K	39	2	He	-42.033	-42.033	-21.45	231543	-0.02	200000	
Mn	55	2	He	0.007	0.007	119.63	373	0.00	2000	
Co	59	2	He	0.006	0.006	112.41	83	0.01	2000	
Ni	60	2	He	-0.102	-0.102	-64.04	203	-0.05	2000	
Cu	63	2	He	-0.001	-0.001	-629.50	213	0.00	2000	
Zn	66	2	He	0.175	0.175	100.26	417	0.04	2000	
Al	27	2	He	0.155	0.155	316.36	1127	0.01	2000	
B	11	1	No Gas	1.883	1.883	16.79	8468	0.02	2000	
Al	27	1	No Gas	-0.349	-0.349	-29.44	34817	0.00	2000	
Si	28	1	No Gas	-13.633	-13.633	-5.67	336928	0.00	2000	
Ag	107	1	No Gas	-0.068	-0.068	-4.23	147	-0.05	2000	
Cd	111	1	No Gas	0.008	0.008	66.32	6	0.14	2000	
Sr	88	1	No Gas	0.015	0.015	60.62	1750	0.00	2000	
Mo	95	1	No Gas	-0.062	-0.062	-13.98	443	-0.01	2000	
Sn	118	1	No Gas	-0.003	-0.003	-269.46	1220	0.00	2000	
Sb	121	1	No Gas	-0.064	-0.064	-4.32	160	-0.04	2000	
Ba	137	1	No Gas	0.028	0.028	45.64	320	0.01	2000	
Tl	205	1	No Gas	0.015	0.015	41.95	863	0.00	2000	
Tl	203	1	No Gas	0.013	0.013	34.36	313	0.00	2000	
Pb	208	1	No Gas	-0.005	-0.005	-17.60	717	0.00	2000	
U	238	1	No Gas	-0.017	-0.017	-4.79	87	-0.02	2000	
Ca	43	2	He	1.415	1.415	1228.65	63	2.23	200000	
Sb	121	2	He	-0.056	-0.056	-7.62	100	-0.06	2000	
Ti	47	2	He	-0.084	-0.084	-45.49	7	-1.25	2000	
Cu	63	1	No Gas	0.228	0.228	4.05	2737	0.01	2000	
Zn	66	1	No Gas	0.187	0.187	31.92	1123	0.02	2000	
Se	82	1	No Gas	0.269	0.269	181.75	292	0.09	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	439054	1.16	471023	93.21	70	120	
Ge	72	2	He	456041	1.41	472743	96.47	70	120	
Ge	72	1	No Gas	1557932	1.60	1532243	101.68	70	120	
In	115	1	No Gas	1866676	2.77	1782326	104.73	70	120	

Sample Report

Bi	209	1	No Gas	1362463	1.34	1201520	113.39	70	120	

Sample Report

Sample Table

Sample Name	LCS-196608
Data File Name	177SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T16:39:52-05:00
Sample Type	Sample
Dilution	1
Comment	TW DOD B 196608
ISTD Ref FileName	085CALB.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
Li	7	1	No Gas	94.567	94.567	1.03	603564	0.02	2000	
Be	9	1	No Gas	47.485	47.485	0.74	96707	0.05	2000	
V	51	2	He	45.282	45.282	0.77	182681	0.02	2000	
Cr	52	2	He	46.516	46.516	1.55	197881	0.02	2000	
Fe	56	2	He	4746.351	4746.351	1.50	16521977	0.03	200000	
Se	78	2	He	47.316	47.316	1.38	4085	1.16	2000	
As	75	2	He	47.479	47.479	1.98	36169	0.13	2000	
Ca	44	2	He	4818.249	4818.249	3.11	148531	3.24	200000	
Na	23	2	He	5042.202	5042.202	2.08	3020495	0.17	200000	
Mg	24	2	He	4963.946	4963.946	2.00	1750572	0.28	200000	
K	39	2	He	4778.342	4778.342	1.90	3319739	0.14	200000	
Mn	55	2	He	46.645	46.645	2.16	158078	0.03	2000	
Co	59	2	He	46.685	46.685	0.89	243463	0.02	2000	
Ni	60	2	He	47.499	47.499	2.46	60866	0.08	2000	
Cu	63	2	He	55.474	55.474	2.44	172743	0.03	2000	
Zn	66	2	He	54.191	54.191	1.92	40701	0.13	2000	
Al	27	2	He	102.466	102.466	2.01	29672	0.35	2000	
B	11	1	No Gas	474.483	474.483	0.49	531168	0.09	2000	
Al	27	1	No Gas	96.843	96.843	0.83	975235	0.01	2000	
Si	28	1	No Gas	480.877	480.877	2.24	3153541	0.02	2000	
Ag	107	1	No Gas	46.408	46.408	1.04	498155	0.01	2000	
Cd	111	1	No Gas	46.390	46.390	1.66	99528	0.05	2000	
Sr	88	1	No Gas	92.572	92.572	1.09	2101708	0.00	2000	
Mo	95	1	No Gas	44.145	44.145	0.73	196318	0.02	2000	
Sn	118	1	No Gas	93.233	93.233	0.36	623611	0.01	2000	
Sb	121	1	No Gas	46.765	46.765	1.07	462999	0.01	2000	
Ba	137	1	No Gas	45.608	45.608	0.43	178865	0.03	2000	
Tl	205	1	No Gas	40.688	40.688	1.14	630910	0.01	2000	
Tl	203	1	No Gas	40.605	40.605	1.50	260497	0.02	2000	
Pb	208	1	No Gas	46.289	46.289	1.50	1048356	0.00	2000	
U	238	1	No Gas	94.211	94.211	1.96	1947619	0.00	2000	
Ca	43	2	He	4818.853	4818.853	4.05	8903	54.13	200000	
Sb	121	2	He	47.488	47.488	1.90	217713	0.02	2000	
Ti	47	2	He	141.219	141.219	0.17	22332	0.63	2000	
Cu	63	1	No Gas	54.407	54.407	1.15	413065	0.01	2000	
Zn	66	1	No Gas	52.936	52.936	2.35	118907	0.04	2000	
Se	82	1	No Gas	46.322	46.322	5.73	7968	0.58	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	464144	0.76	471023	98.54	70	120	
Ge	72	2	He	475862	0.71	472743	100.66	70	120	
Ge	72	1	No Gas	1667035	0.92	1532243	108.80	70	120	
In	115	1	No Gas	1900552	0.43	1782326	106.63	70	120	

Sample Report

Bi	209	1	No Gas	1406984	1.16	1201520	117.10	70	120	

Sample Report

Sample Table

Sample Name	HS23060722-06
Data File Name	178SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T16:41:43-05:00
Sample Type	Sample
Dilution	1
Comment	TW DOD B 196608
ISTD Ref FileName	085CALB.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
Li	7	1	No Gas	105.491	105.491	2.52	600187	0.02	2000	
Be	9	1	No Gas	0.059	0.059	30.85	133	0.04	2000	
V	51	2	He	2.780	2.780	18.81	21450	0.01	2000	
Cr	52	2	He	5.369	5.369	15.46	30758	0.02	2000	
Fe	56	2	He	149.840	149.840	12.13	490256	0.03	200000	
Se	78	2	He	-0.259	-0.259	-163.95	171	-0.15	2000	
As	75	2	He	0.466	0.466	31.25	688	0.07	2000	
Ca	44	2	He	139117.322	139117.322	11.42	3700604	3.76	200000	
Na	23	2	He	371815.988	371815.988	10.86	190787410	0.19	200000	>LDR
Mg	24	2	He	68530.901	68530.901	11.08	20920414	0.33	200000	
K	39	2	He	891.371	891.371	14.59	726417	0.12	200000	
Mn	55	2	He	369.017	369.017	10.97	1081631	0.03	2000	
Co	59	2	He	2.226	2.226	9.00	10117	0.02	2000	
Ni	60	2	He	44.031	44.031	12.31	48878	0.09	2000	
Cu	63	2	He	1.363	1.363	16.21	3857	0.04	2000	
Zn	66	2	He	3.790	3.790	9.31	2720	0.14	2000	
Al	27	2	He	35.280	35.280	10.49	9507	0.37	2000	
B	11	1	No Gas	26.804	26.804	5.63	32683	0.08	2000	
Al	27	1	No Gas	30.043	30.043	2.73	307181	0.01	2000	
Si	28	1	No Gas	14354.561	14354.561	3.10	75740392	0.02	2000	>LDR
Ag	107	1	No Gas	-0.053	-0.053	-13.82	287	-0.02	2000	
Cd	111	1	No Gas	0.128	0.128	27.04	247	0.05	2000	
Sr	88	1	No Gas	2822.728	2822.728	2.29	60311034	0.00	2000	>LDR
Mo	95	1	No Gas	1.356	1.356	3.50	6342	0.02	2000	
Sn	118	1	No Gas	0.286	0.286	1.44	2987	0.01	2000	
Sb	121	1	No Gas	0.073	0.073	12.18	1420	0.01	2000	
Ba	137	1	No Gas	28.404	28.404	1.49	105012	0.03	2000	
Tl	205	1	No Gas	0.629	0.629	24.06	9484	0.01	2000	
Tl	203	1	No Gas	0.668	0.668	21.03	4121	0.02	2000	
Pb	208	1	No Gas	0.089	0.089	8.71	2607	0.00	2000	
U	238	1	No Gas	2.437	2.437	1.44	46298	0.01	2000	
Ca	43	2	He	141480.666	141480.666	10.77	225021	62.87	200000	
Sb	121	2	He	0.022	0.022	57.10	397	0.01	2000	
Ti	47	2	He	3.246	3.246	6.35	463	0.70	2000	
Cu	63	1	No Gas	5.765	5.765	9.57	41618	0.01	2000	
Zn	66	1	No Gas	3.819	3.819	2.94	8653	0.04	2000	
Se	82	1	No Gas	-0.941	-0.941	-25.21	105	-0.90	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	416158	3.35	471023	88.35	70	120	
Ge	72	2	He	415284	9.65	472743	87.85	70	120	
Ge	72	1	No Gas	1550045	4.08	1532243	101.16	70	120	
In	115	1	No Gas	1790862	3.85	1782326	100.48	70	120	
Bi	209	1	No Gas	1282103	3.51	1201520	106.71	70	120	

Sample Report

Sample Table

Sample Name	HS23060722-06SD
Data File Name	179SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T16:43:42-05:00
Sample Type	Sample
Dilution	5
Comment	TW DOD B 196608
ISTD Ref FileName	085CALB.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
Li	7	1	No Gas	20.318	101.589	1.06	142875	0.01	2000	
Be	9	1	No Gas	0.015	0.073	108.67	55	0.03	2000	
V	51	2	He	3.670	18.350	2.29	27248	0.01	2000	
Cr	52	2	He	0.875	4.374	31.14	17234	0.01	2000	
Fe	56	2	He	19.660	98.301	1.64	110800	0.02	200000	
Se	78	2	He	-0.097	-0.487	-97.93	205	-0.05	2000	
As	75	2	He	0.123	0.615	10.25	522	0.02	2000	
Ca	44	2	He	23992.017	119960.084	1.32	717227	3.35	200000	
Na	23	2	He	64640.274	323201.372	0.53	37264194	0.17	200000	
Mg	24	2	He	11759.034	58795.169	1.98	4032323	0.29	200000	
K	39	2	He	115.615	578.073	5.23	333001	0.03	200000	
Mn	55	2	He	62.801	314.004	0.66	206955	0.03	2000	
Co	59	2	He	0.391	1.953	2.16	2034	0.02	2000	
Ni	60	2	He	7.815	39.077	2.23	10020	0.08	2000	
Cu	63	2	He	0.253	1.267	31.82	983	0.03	2000	
Zn	66	2	He	1.609	8.047	9.52	1463	0.11	2000	
Al	27	2	He	5.845	29.227	15.47	2684	0.22	2000	
B	11	1	No Gas	6.827	34.137	1.63	13380	0.05	2000	
Al	27	1	No Gas	5.647	28.234	4.31	91425	0.01	2000	
Si	28	1	No Gas	2723.676	13618.380	3.20	15206148	0.02	2000	>LDR
Ag	107	1	No Gas	-0.068	-0.338	-0.67	147	-0.05	2000	
Cd	111	1	No Gas	0.057	0.283	16.47	106	0.05	2000	
Sr	88	1	No Gas	540.660	2703.301	3.03	11803466	0.00	2000	
Mo	95	1	No Gas	0.200	1.000	17.04	1550	0.01	2000	
Sn	118	1	No Gas	0.009	0.047	248.88	1273	0.00	2000	
Sb	121	1	No Gas	-0.050	-0.251	-6.21	300	-0.02	2000	
Ba	137	1	No Gas	5.610	28.048	2.43	21355	0.03	2000	
Tl	205	1	No Gas	0.028	0.139	24.49	1030	0.00	2000	
Tl	203	1	No Gas	0.036	0.179	42.38	450	0.01	2000	
Pb	208	1	No Gas	0.008	0.040	86.39	987	0.00	2000	
U	238	1	No Gas	0.443	2.214	1.31	9130	0.00	2000	
Ca	43	2	He	24468.602	122343.012	3.69	43730	55.95	200000	
Sb	121	2	He	-0.042	-0.208	-20.86	163	-0.03	2000	
Ti	47	2	He	0.524	2.618	13.49	100	0.52	2000	
Cu	63	1	No Gas	1.230	6.149	5.29	10114	0.01	2000	
Zn	66	1	No Gas	1.692	8.460	7.73	4381	0.04	2000	
Se	82	1	No Gas	-0.724	-3.621	-100.87	142	-0.51	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	430832	0.33	471023	91.47	70	120	
Ge	72	2	He	462934	0.99	472743	97.93	70	120	
Ge	72	1	No Gas	1602839	2.41	1532243	104.61	70	120	
In	115	1	No Gas	1829359	1.88	1782326	102.64	70	120	

Sample Report

Bi	209	1	No Gas	1339223	1.54	1201520	111.46	70	120	

Sample Report

Sample Table

Sample Name	HS23060722-06MS
Data File Name	180SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T16:45:35-05:00
Sample Type	Sample
Dilution	1
Comment	TW DOD B 196608
ISTD Ref FileName	085CALB.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
Li	7	1	No Gas	170.235	170.235	20.06	914223	0.02	2000	
Be	9	1	No Gas	50.860	50.860	20.87	89043	0.06	2000	
V	51	2	He	50.199	50.199	2.38	188425	0.03	2000	
Cr	52	2	He	51.108	51.108	2.24	202543	0.03	2000	
Fe	56	2	He	4978.517	4978.517	3.22	16245830	0.03	200000	
Se	78	2	He	49.880	49.880	3.19	4026	1.24	2000	
As	75	2	He	49.577	49.577	2.12	35396	0.14	2000	
Ca	44	2	He	133268.354	133268.354	3.48	3836380	3.47	200000	
Na	23	2	He	350971.103	350971.103	0.93	194874030	0.18	200000	>LDR
Mg	24	2	He	67945.167	67945.167	1.20	22446944	0.30	200000	
K	39	2	He	5514.132	5514.132	2.42	3553466	0.16	200000	
Mn	55	2	He	391.361	391.361	1.56	1241255	0.03	2000	
Co	59	2	He	49.189	49.189	3.31	240497	0.02	2000	
Ni	60	2	He	85.915	85.915	1.75	102977	0.08	2000	
Cu	63	2	He	48.265	48.265	3.14	140941	0.03	2000	
Zn	66	2	He	51.832	51.832	2.55	36513	0.14	2000	
Al	27	2	He	130.391	130.391	2.76	35115	0.37	2000	
B	11	1	No Gas	528.318	528.318	19.80	508498	0.10	2000	
Al	27	1	No Gas	121.035	121.035	33.25	1098074	0.01	2000	
Si	28	1	No Gas	14676.239	14676.239	31.74	75800212	0.02	2000	>LDR
Ag	107	1	No Gas	43.647	43.647	34.01	418373	0.01	2000	
Cd	111	1	No Gas	45.307	45.307	35.04	86565	0.05	2000	
Sr	88	1	No Gas	2976.553	2976.553	34.52	60212437	0.00	2000	>LDR
Mo	95	1	No Gas	47.766	47.766	34.95	189209	0.03	2000	
Sn	118	1	No Gas	95.643	95.643	35.17	569600	0.02	2000	
Sb	121	1	No Gas	47.456	47.456	32.38	426650	0.01	2000	
Ba	137	1	No Gas	75.563	75.563	34.73	264017	0.03	2000	
Tl	205	1	No Gas	41.666	41.666	36.93	554062	0.01	2000	
Tl	203	1	No Gas	42.655	42.655	37.13	234549	0.02	2000	
Pb	208	1	No Gas	46.106	46.106	35.28	899121	0.01	2000	
U	238	1	No Gas	101.656	101.656	35.47	1808728	0.01	2000	
Ca	43	2	He	135595.659	135595.659	1.41	233337	58.11	200000	
Sb	121	2	He	48.620	48.620	2.85	208981	0.02	2000	
Ti	47	2	He	149.785	149.785	1.82	22208	0.67	2000	
Cu	63	1	No Gas	50.243	50.243	32.55	346405	0.01	2000	
Zn	66	1	No Gas	49.373	49.373	32.02	100880	0.05	2000	
Se	82	1	No Gas	50.254	50.254	35.46	7797	0.64	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	407983	15.80	471023	86.62	70	120	
Ge	72	2	He	446276	1.69	472743	94.40	70	120	
Ge	72	1	No Gas	1619313	30.26	1532243	105.68	70	120	
In	115	1	No Gas	1834032	33.04	1782326	102.90	70	120	
Bi	209	1	No Gas	1315188	33.60	1201520	109.46	70	120	

Sample Report

Sample Table

Sample Name	HS23060722-06MSD
Data File Name	181SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T16:47:27-05:00
Sample Type	Sample
Dilution	1
Comment	TW DOD B 196608
ISTD Ref FileName	085CALB.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
Li	7	1	No Gas	169.631	169.631	3.01	945054	0.02	2000	
Be	9	1	No Gas	49.907	49.907	2.44	90761	0.05	2000	
V	51	2	He	49.050	49.050	2.39	187871	0.03	2000	
Cr	52	2	He	50.081	50.081	1.98	202466	0.02	2000	
Fe	56	2	He	4836.505	4836.505	2.43	16080678	0.03	200000	
Se	78	2	He	47.925	47.925	0.37	3950	1.21	2000	
As	75	2	He	48.818	48.818	2.00	35514	0.14	2000	
Ca	44	2	He	132164.102	132164.102	2.51	3876127	3.41	200000	
Na	23	2	He	343905.413	343905.413	2.14	194501397	0.18	200000	>LDR
Mg	24	2	He	66942.702	66942.702	2.51	22526818	0.30	200000	
K	39	2	He	5401.670	5401.670	2.02	3551388	0.15	200000	
Mn	55	2	He	382.330	382.330	4.13	1234968	0.03	2000	
Co	59	2	He	47.743	47.743	2.37	237820	0.02	2000	
Ni	60	2	He	84.827	84.827	1.07	103592	0.08	2000	
Cu	63	2	He	47.533	47.533	2.66	141412	0.03	2000	
Zn	66	2	He	50.085	50.085	3.97	35948	0.14	2000	
Al	27	2	He	126.434	126.434	4.33	34713	0.36	2000	
B	11	1	No Gas	528.844	528.844	2.11	528013	0.10	2000	
Al	27	1	No Gas	121.730	121.730	1.30	1124727	0.01	2000	
Si	28	1	No Gas	15060.299	15060.299	0.61	79129160	0.02	2000	>LDR
Ag	107	1	No Gas	44.253	44.253	2.11	442040	0.01	2000	
Cd	111	1	No Gas	47.750	47.750	3.16	95303	0.05	2000	
Sr	88	1	No Gas	2981.562	2981.562	2.38	62937052	0.00	2000	>LDR
Mo	95	1	No Gas	47.601	47.601	3.15	196873	0.02	2000	
Sn	118	1	No Gas	96.294	96.294	2.52	599224	0.02	2000	
Sb	121	1	No Gas	48.701	48.701	0.56	446184	0.01	2000	
Ba	137	1	No Gas	76.882	76.882	3.14	280364	0.03	2000	
Tl	205	1	No Gas	42.915	42.915	0.10	599202	0.01	2000	
Tl	203	1	No Gas	43.653	43.653	0.68	252170	0.02	2000	
Pb	208	1	No Gas	46.614	46.614	0.47	950724	0.00	2000	
U	238	1	No Gas	102.977	102.977	0.61	1917126	0.01	2000	
Ca	43	2	He	132847.288	132847.288	2.90	232855	57.05	200000	
Sb	121	2	He	47.229	47.229	2.47	206827	0.02	2000	
Ti	47	2	He	146.441	146.441	2.37	22118	0.66	2000	
Cu	63	1	No Gas	51.292	51.292	1.84	360435	0.01	2000	
Zn	66	1	No Gas	50.449	50.449	0.60	104906	0.05	2000	
Se	82	1	No Gas	47.455	47.455	1.66	7551	0.63	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	414599	1.68	471023	88.02	70	120	
Ge	72	2	He	454624	1.56	472743	96.17	70	120	
Ge	72	1	No Gas	1542667	0.42	1532243	100.68	70	120	
In	115	1	No Gas	1768999	2.53	1782326	99.25	70	120	
Bi	209	1	No Gas	1266909	0.22	1201520	105.44	70	120	

Sample Report

Sample Table

Sample Name	HS23060722-06PDS
Data File Name	182SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T16:49:18-05:00
Sample Type	Sample
Dilution	1
Comment	TW DOD B 196608
ISTD Ref FileName	085CALB.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
Li	7	1	No Gas	109.420	109.420	1.08	604764	0.02	2000	
Be	9	1	No Gas	103.331	103.331	1.45	183471	0.06	2000	
V	51	2	He	97.864	97.864	1.21	355317	0.03	2000	
Cr	52	2	He	98.004	98.004	1.70	376939	0.03	2000	
Fe	56	2	He	9750.027	9750.027	1.72	31847960	0.03	200000	
Se	78	2	He	96.543	96.543	1.18	7618	1.27	2000	
As	75	2	He	97.544	97.544	1.58	69391	0.14	2000	
Ca	44	2	He	137785.033	137785.033	1.16	3975495	3.47	200000	
Na	23	2	He	351129.508	351129.508	1.14	195362664	0.18	200000	>LDR
Mg	24	2	He	71800.602	71800.602	1.10	23770043	0.30	200000	
K	39	2	He	10214.429	10214.429	2.26	6381347	0.16	200000	
Mn	55	2	He	430.734	430.734	1.05	1368980	0.03	2000	
Co	59	2	He	94.936	94.936	1.71	465185	0.02	2000	
Ni	60	2	He	131.539	131.539	1.34	157832	0.08	2000	
Cu	63	2	He	93.935	93.935	0.94	274737	0.03	2000	
Zn	66	2	He	98.715	98.715	2.00	69434	0.14	2000	
Al	27	2	He	126.658	126.658	2.00	34216	0.37	2000	
B	11	1	No Gas	29.151	29.151	2.89	34080	0.09	2000	
Al	27	1	No Gas	122.036	122.036	3.26	1128198	0.01	2000	
Si	28	1	No Gas	14627.790	14627.790	1.80	76930546	0.02	2000	>LDR
Ag	107	1	No Gas	92.878	92.878	2.29	930716	0.01	2000	
Cd	111	1	No Gas	93.694	93.694	1.83	187834	0.05	2000	
Sr	88	1	No Gas	2867.685	2867.685	1.02	60797746	0.00	2000	>LDR
Mo	95	1	No Gas	95.335	95.335	1.21	395380	0.02	2000	
Sn	118	1	No Gas	0.186	0.186	28.80	2337	0.01	2000	
Sb	121	1	No Gas	98.751	98.751	1.84	904683	0.01	2000	
Ba	137	1	No Gas	123.279	123.279	1.98	451402	0.03	2000	
Tl	205	1	No Gas	88.239	88.239	0.66	1233933	0.01	2000	
Tl	203	1	No Gas	90.655	90.655	1.85	524425	0.02	2000	
Pb	208	1	No Gas	94.985	94.985	1.56	1940147	0.00	2000	
U	238	1	No Gas	2.523	2.523	1.24	47456	0.01	2000	
Ca	43	2	He	139494.474	139494.474	2.08	240545	57.99	200000	
Sb	121	2	He	96.821	96.821	1.43	416771	0.02	2000	
Ti	47	2	He	102.737	102.737	0.59	15272	0.67	2000	
Cu	63	1	No Gas	100.841	100.841	2.29	708101	0.01	2000	
Zn	66	1	No Gas	98.214	98.214	2.42	203694	0.05	2000	
Se	82	1	No Gas	102.823	102.823	2.35	16083	0.64	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	404736	0.46	471023	85.93	70	120	
Ge	72	2	He	447167	0.59	472743	94.59	70	120	
Ge	72	1	No Gas	1544262	2.03	1532243	100.78	70	120	
In	115	1	No Gas	1776199	1.68	1782326	99.66	70	120	
Bi	209	1	No Gas	1269605	2.18	1201520	105.67	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	185_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T16:57:21-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	085CALB.d
n	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
Li	7	1	No Gas	99.956	0.875	580086	0.47	100	100.0	90	110	
Be	9	1	No Gas	101.505	1.932	188433	1.01	100	101.5	90	110	
V	51	2	He	98.974	0.805	359585	0.37	100	99.0	90	110	
Cr	52	2	He	106.289	0.497	408132	0.65	100	106.3	90	110	
Fe	56	2	He	9972.041	1.567	32606911	0.89	10000	99.7	90	110	
Se	78	2	He	101.757	1.133	8027	0.19	100	101.8	90	110	
As	75	2	He	99.976	0.838	71189	0.75	100	100.0	90	110	
Ca	44	2	He	9943.093	1.066	287737	0.30	10000	99.4	90	110	
Na	23	2	He	10266.854	0.453	5751481	1.27	10000	102.7	90	110	
Mg	24	2	He	9967.416	1.861	3304674	0.98	10000	99.7	90	110	
K	39	2	He	9843.061	1.628	6165167	0.78	10000	98.4	90	110	
Mn	55	2	He	100.336	1.488	319488	0.70	100	100.3	90	110	
Co	59	2	He	100.344	1.488	492201	0.67	100	100.3	90	110	
Ni	60	2	He	107.869	2.038	129618	1.19	100	107.9	90	110	
Cu	63	2	He	102.291	1.755	299475	1.43	100	102.3	90	110	
Zn	66	2	He	103.712	2.408	73009	1.67	100	103.7	90	110	
Al	27	2	He	105.507	3.789	28707	2.88	100	105.5	90	110	
B	11	1	No Gas	519.673	0.514	529865	1.06	500	103.9	90	110	
Al	27	1	No Gas	102.567	1.134	939997	1.61	100	102.6	90	110	
Si	28	1	No Gas	624.568	2.756	3616742	1.59	5000	12.5	90	110	CCV Main CR1-2 Failed
Ag	107	1	No Gas	99.375	2.970	1002698	0.51	100	99.4	90	110	
Cd	111	1	No Gas	97.143	2.661	196113	1.12	100	97.1	90	110	
Sr	88	1	No Gas	99.325	2.595	2121653	0.96	100	99.3	90	110	
Mo	95	1	No Gas	94.823	3.759	395887	0.66	100	94.8	90	110	
Sn	118	1	No Gas	100.243	2.870	630783	1.20	100	100.2	90	110	
Sb	121	1	No Gas	102.343	0.950	923446	1.53	100	102.3	90	110	
Ba	137	1	No Gas	98.136	2.329	361924	1.06	100	98.1	90	110	
Tl	205	1	No Gas	95.803	1.380	1401307	1.38	100	95.8	90	110	
Tl	203	1	No Gas	98.000	1.646	593046	0.77	100	98.0	90	110	
Pb	208	1	No Gas	97.714	2.146	2087761	1.13	100	97.7	90	110	
U	238	1	No Gas	100.714	1.008	1965333	1.33	100	100.7	90	110	
Ca	43	2	He	9713.955	1.879	16824	1.06	10000	97.1	90	110	
Sb	121	2	He	101.084	0.714	435586	0.44	100	101.1	90	110	
Ti	47	2	He	99.474	1.751	14805	2.64	100	99.5	90	110	
Cu	63	1	No Gas	100.011	1.391	691677	0.53	100	100.0	90	110	
Se	82	1	No Gas	97.647	3.990	15057	4.45	100	97.6	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	423219	1.22	471023	89.85	70	120	
Ge	72	2	He	447652	0.94	472743	94.69	70	120	
Ge	72	1	No Gas	1520602	0.85	1532243	99.24	70	120	
In	115	1	No Gas	1789302	3.34	1782326	100.39	70	120	
Bi	209	1	No Gas	1328123	2.18	1201520	110.54	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	186_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T16:59:10-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	085CALB.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
Li	7	1	No Gas	0.337	17.4	30959	1.4	0.5	
Be	9	1	No Gas	0.064	11.6	150	8.8	0.5	
V	51	2	He	-0.130	-23.5	13205	0.4	2.5	
Cr	52	2	He	0.183	83.0	14248	4.0	2.5	
Fe	56	2	He	-6.323	-7.9	22527	7.1	100	
Se	78	2	He	-0.355	-108.7	180	16.7	2	
As	75	2	He	-0.022	-240.9	407	8.9	2.5	
Ca	44	2	He	-4.462	-25.9	463	7.6	100	
Na	23	2	He	233.614	1.4	165465	0.8	100	CCB Main CR1 Failed
Mg	24	2	He	1.733	47.9	2470	11.0	100	
K	39	2	He	-44.435	-10.3	228326	0.9	100	
Mn	55	2	He	0.063	5.0	550	1.8	2.5	
Co	59	2	He	0.002	112.5	60	16.7	2.5	
Ni	60	2	He	-0.048	-70.5	267	15.2	2.5	
Cu	63	2	He	0.047	57.0	353	22.9	2	
Zn	66	2	He	0.150	103.1	397	27.8	2.5	
Al	27	2	He	1.839	362.0	1566	112.9	5	
B	11	1	No Gas	5.791	11.0	12481	5.2	0.5	CCB Main CR1 Failed
Al	27	1	No Gas	-2.100	-1.7	18773	0.8	5	
Si	28	1	No Gas	-15.804	-5.1	321058	1.0	10	
Ag	107	1	No Gas	-0.058	-9.5	243	24.8	2.5	
Cd	111	1	No Gas	0.018	41.4	26	59.6	1	
Sr	88	1	No Gas	0.030	36.2	2064	11.2	2.5	
Mo	95	1	No Gas	0.021	49.1	793	6.2	2.5	
Sn	118	1	No Gas	0.058	32.7	1597	6.0	5	
Sb	121	1	No Gas	-0.002	-355.8	730	5.5	2.5	
Ba	137	1	No Gas	0.012	147.0	257	25.0	2.5	
Tl	205	1	No Gas	0.687	36.3	11286	34.6	1	
Tl	203	1	No Gas	0.692	34.2	4678	32.8	1	
Pb	208	1	No Gas	0.017	37.9	1227	11.4	2.5	
U	238	1	No Gas	0.005	90.9	547	18.0	2.5	
Ca	43	2	He	-13.569	-87.6	37	56.8	100	
Sb	121	2	He	-0.002	-1544.8	333	37.0	2.5	
Ti	47	2	He	-0.105	-36.4	3	173.2	2.5	
Cu	63	1	No Gas	0.665	3.8	5748	1.8	2.5	
Se	82	1	No Gas	-0.969	-22.9	99	36.2	2	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	436562	0.67	471023	92.68	70	120	
Ge	72	2	He	452503	0.37	472743	95.72	70	120	
Ge	72	1	No Gas	1536934	1.61	1532243	100.31	70	120	
In	115	1	No Gas	1840354	1.67	1782326	103.26	70	120	
Bi	209	1	No Gas	1405372	0.48	1201520	116.97	70	120	

Sample Report

Sample Table

Sample Name	HS23060722-07
Data File Name	187SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T17:01:31-05:00
Sample Type	Sample
Dilution	1
Comment	TW DOD B 196608
ISTD Ref FileName	085CALB.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
Li	7	1	No Gas	102.738	102.738	1.24	586079	0.02	2000	
Be	9	1	No Gas	0.045	0.045	11.98	108	0.04	2000	
V	51	2	He	2.415	2.415	3.12	21617	0.01	2000	
Cr	52	2	He	4.435	4.435	2.95	29412	0.02	2000	
Fe	56	2	He	118.852	118.852	1.01	424296	0.03	200000	
Se	78	2	He	-0.451	-0.451	-17.93	168	-0.27	2000	
As	75	2	He	0.374	0.374	9.60	672	0.06	2000	
Ca	44	2	He	120728.222	120728.222	1.92	3432371	3.52	200000	
Na	23	2	He	331221.567	331221.567	0.90	181595117	0.18	200000	>LDR
Mg	24	2	He	59237.498	59237.498	1.89	19323694	0.31	200000	
K	39	2	He	764.200	764.200	0.76	700476	0.11	200000	
Mn	55	2	He	319.505	319.505	0.34	1000725	0.03	2000	
Co	59	2	He	1.947	1.947	1.72	9450	0.02	2000	
Ni	60	2	He	36.860	36.860	3.07	43821	0.08	2000	
Cu	63	2	He	1.055	1.055	7.99	3247	0.03	2000	
Zn	66	2	He	2.857	2.857	7.25	2254	0.13	2000	
Al	27	2	He	32.224	32.224	16.30	9350	0.34	2000	
B	11	1	No Gas	24.784	24.784	0.39	30742	0.08	2000	
Al	27	1	No Gas	28.681	28.681	3.14	290786	0.01	2000	
Si	28	1	No Gas	14345.185	14345.185	3.06	74628434	0.02	2000	>LDR
Ag	107	1	No Gas	-0.056	-0.056	-4.17	257	-0.02	2000	
Cd	111	1	No Gas	0.159	0.159	10.12	300	0.05	2000	
Sr	88	1	No Gas	2794.981	2794.981	1.12	57878996	0.00	2000	>LDR
Mo	95	1	No Gas	1.088	1.088	5.65	5061	0.02	2000	
Sn	118	1	No Gas	0.066	0.066	22.24	1553	0.00	2000	
Sb	121	1	No Gas	-0.003	-0.003	-167.85	710	0.00	2000	
Ba	137	1	No Gas	29.508	29.508	1.20	105694	0.03	2000	
Tl	205	1	No Gas	0.021	0.021	34.99	907	0.00	2000	
Tl	203	1	No Gas	0.021	0.021	41.88	347	0.01	2000	
Pb	208	1	No Gas	0.062	0.062	7.16	2090	0.00	2000	
U	238	1	No Gas	2.300	2.300	3.80	44227	0.01	2000	
Ca	43	2	He	121948.508	121948.508	2.23	207231	58.85	200000	
Sb	121	2	He	0.000	0.000	2902.42	333	0.00	2000	
Ti	47	2	He	2.678	2.678	17.67	410	0.65	2000	
Cu	63	1	No Gas	5.455	5.455	2.25	38939	0.01	2000	
Zn	66	1	No Gas	3.488	3.488	5.40	7849	0.04	2000	
Se	82	1	No Gas	-0.817	-0.817	-50.18	122	-0.67	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	416526	0.72	471023	88.43	70	120	
Ge	72	2	He	440629	1.12	472743	93.21	70	120	
Ge	72	1	No Gas	1527757	2.31	1532243	99.71	70	120	
In	115	1	No Gas	1734749	0.72	1782326	97.33	70	120	
Bi	209	1	No Gas	1297520	1.90	1201520	107.99	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	198_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T17:22:11-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	085CALB.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
Li	7	1	No Gas	1.471	4.6	33832	2.0	0.5	CCB Main CR1 Failed
Be	9	1	No Gas	0.062	9.2	133	7.8	0.5	
V	51	2	He	0.317	40.3	12666	1.8	2.5	
Cr	52	2	He	0.423	13.6	12980	1.2	2.5	
Fe	56	2	He	-4.952	-4.3	23184	2.9	100	
Se	78	2	He	0.041	220.1	181	4.5	2	
As	75	2	He	0.001	14606.1	362	15.7	2.5	
Ca	44	2	He	-3.403	-22.8	423	3.6	100	
Na	23	2	He	390.096	1.3	217268	1.4	100	CCB Main CR1 Failed
Mg	24	2	He	0.720	110.8	1827	13.0	100	
K	39	2	He	-4.165	-172.6	216585	1.1	100	
Mn	55	2	He	0.067	19.9	483	8.6	2.5	
Co	59	2	He	0.012	19.7	97	11.9	2.5	
Ni	60	2	He	-0.031	-73.1	247	10.2	2.5	
Cu	63	2	He	0.095	25.6	423	15.7	2	
Zn	66	2	He	0.218	71.2	380	23.4	2.5	
Al	27	2	He	-1.566	-6.4	567	2.7	5	
B	11	1	No Gas	8.980	7.7	14274	3.0	0.5	CCB Main CR1 Failed
Al	27	1	No Gas	-2.063	-2.2	16360	2.3	5	
Si	28	1	No Gas	-7.738	-30.1	311146	4.8	10	
Ag	107	1	No Gas	-0.061	-6.5	183	17.5	2.5	
Cd	111	1	No Gas	0.018	16.4	23	24.4	1	
Sr	88	1	No Gas	0.081	11.4	2670	5.1	2.5	
Mo	95	1	No Gas	0.000	-5242.1	590	13.5	2.5	
Sn	118	1	No Gas	0.066	5.1	1387	1.1	5	
Sb	121	1	No Gas	0.004	49.0	667	2.3	2.5	
Ba	137	1	No Gas	0.047	35.4	327	15.4	2.5	
Tl	205	1	No Gas	0.659	38.0	9161	37.0	1	
Tl	203	1	No Gas	0.678	36.2	3871	35.3	1	
Pb	208	1	No Gas	0.023	9.7	1160	5.2	2.5	
U	238	1	No Gas	0.004	115.1	443	19.7	2.5	
Ca	43	2	He	-23.505	-43.0	17	91.7	100	
Sb	121	2	He	-0.024	-43.9	203	19.9	2.5	
Ti	47	2	He	-0.102	-44.2	3	173.2	2.5	
Cu	63	1	No Gas	1.124	10.4	7676	10.6	2.5	
Se	82	1	No Gas	-1.041	-47.0	75	86.2	2	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	394754	2.51	471023	83.81	70	120	
Ge	72	2	He	387748	1.32	472743	82.02	70	120	
Ge	72	1	No Gas	1316908	3.11	1532243	85.95	70	120	
In	115	1	No Gas	1548407	1.22	1782326	86.88	70	120	
Bi	209	1	No Gas	1184232	1.46	1201520	98.56	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	201_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T17:42:20-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	085CALB.d
n	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
Li	7	1	No Gas	96.443	1.620	503762	0.87	100	96.4	90	110	
Be	9	1	No Gas	98.210	1.487	163818	0.72	100	98.2	90	110	
V	51	2	He	96.340	1.051	321371	0.53	100	96.3	90	110	
Cr	52	2	He	104.472	1.020	368155	0.73	100	104.5	90	110	
Fe	56	2	He	9884.113	1.887	29644327	1.17	10000	98.8	90	110	
Se	78	2	He	100.604	0.635	7282	1.19	100	100.6	90	110	
As	75	2	He	100.253	2.016	65472	1.33	100	100.3	90	110	
Ca	44	2	He	9773.072	1.547	259413	0.80	10000	97.7	90	110	
Na	23	2	He	9872.530	0.764	5073697	0.14	10000	98.7	90	110	
Mg	24	2	He	9770.101	2.697	2971097	1.96	10000	97.7	90	110	
K	39	2	He	9604.541	0.650	5523759	0.15	10000	96.0	90	110	
Mn	55	2	He	98.955	1.740	289014	0.98	100	99.0	90	110	
Co	59	2	He	97.560	0.676	438958	0.31	100	97.6	90	110	
Ni	60	2	He	105.299	0.674	116074	0.60	100	105.3	90	110	
Cu	63	2	He	99.606	1.960	267489	1.84	100	99.6	90	110	
Zn	66	2	He	102.425	1.817	66141	1.08	100	102.4	90	110	
Al	27	2	He	103.010	1.533	25734	1.11	100	103.0	90	110	
B	11	1	No Gas	502.614	0.681	460640	1.07	500	100.5	90	110	
Al	27	1	No Gas	102.469	1.879	845338	0.58	100	102.5	90	110	
Si	28	1	No Gas	622.028	5.067	3247137	6.67	5000	12.4	90	110	CCV Main CR1-2 Failed
Ag	107	1	No Gas	97.053	3.579	918642	1.26	100	97.1	90	110	
Cd	111	1	No Gas	96.120	2.564	182043	0.05	100	96.1	90	110	
Sr	88	1	No Gas	96.453	2.897	1932772	0.59	100	96.5	90	110	
Mo	95	1	No Gas	92.771	2.503	363476	0.87	100	92.8	90	110	
Sn	118	1	No Gas	98.217	2.310	579887	1.02	100	98.2	90	110	
Sb	121	1	No Gas	105.001	2.576	852703	0.92	100	105.0	90	110	
Ba	137	1	No Gas	97.058	2.799	335773	0.43	100	97.1	90	110	
Tl	205	1	No Gas	93.416	1.647	1294276	1.78	100	93.4	90	110	
Tl	203	1	No Gas	96.811	2.253	554871	0.61	100	96.8	90	110	
Pb	208	1	No Gas	97.208	1.543	1967513	1.57	100	97.2	90	110	
U	238	1	No Gas	101.122	2.379	1868900	1.74	100	101.1	90	110	
Ca	43	2	He	9504.727	0.283	15102	0.93	10000	95.0	90	110	
Sb	121	2	He	101.741	0.543	402144	0.96	100	101.7	90	110	
Ti	47	2	He	99.269	5.729	13550	5.80	100	99.3	90	110	
Cu	63	1	No Gas	99.117	2.272	617081	1.16	100	99.1	90	110	
Se	82	1	No Gas	99.002	2.468	13743	4.01	100	99.0	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	380255	0.91	471023	80.73	70	120	
Ge	72	2	He	410599	0.77	472743	86.85	70	120	
Ge	72	1	No Gas	1369135	2.30	1532243	89.35	70	120	
In	115	1	No Gas	1678389	2.62	1782326	94.17	70	120	
Bi	209	1	No Gas	1258076	2.60	1201520	104.71	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	202_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T17:44:10-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	085CALB.d
n	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
Li	7	1	No Gas	96.599	0.643	502050	0.16	100	96.6	90	110	
Be	9	1	No Gas	98.648	1.329	163740	1.27	100	98.6	90	110	
V	51	2	He	95.369	0.678	322629	0.48	100	95.4	90	110	
Cr	52	2	He	104.122	0.986	371989	0.21	100	104.1	90	110	
Fe	56	2	He	9999.339	0.768	30402910	0.87	10000	100.0	90	110	
Se	78	2	He	103.741	1.461	7605	1.04	100	103.7	90	110	
As	75	2	He	100.133	1.807	66293	1.41	100	100.1	90	110	
Ca	44	2	He	9725.017	0.830	261689	0.31	10000	97.3	90	110	
Na	23	2	He	9845.484	1.620	5128982	0.72	10000	98.5	90	110	
Mg	24	2	He	9705.663	1.073	2992205	0.16	10000	97.1	90	110	
K	39	2	He	9580.886	1.742	5585890	0.65	10000	95.8	90	110	
Mn	55	2	He	99.873	1.149	295704	0.78	100	99.9	90	110	
Co	59	2	He	98.815	0.640	450703	0.53	100	98.8	90	110	
Ni	60	2	He	106.309	2.092	118781	1.26	100	106.3	90	110	
Cu	63	2	He	100.005	0.532	272262	1.49	100	100.0	90	110	
Zn	66	2	He	101.183	0.238	66245	1.10	100	101.2	90	110	
Al	27	2	He	103.142	0.351	26121	1.46	100	103.1	90	110	
B	11	1	No Gas	508.064	0.376	463253	0.53	500	101.6	90	110	
Al	27	1	No Gas	98.378	0.938	828613	1.80	100	98.4	90	110	
Si	28	1	No Gas	583.249	0.939	3123307	0.86	5000	11.7	90	110	CCV Main CR1-2 Failed
Ag	107	1	No Gas	96.330	1.009	922015	0.87	100	96.3	90	110	
Cd	111	1	No Gas	95.142	1.562	182168	0.50	100	95.1	90	110	
Sr	88	1	No Gas	96.203	1.290	1949067	0.61	100	96.2	90	110	
Mo	95	1	No Gas	92.363	1.161	365855	0.75	100	92.4	90	110	
Sn	118	1	No Gas	98.882	0.557	590230	1.29	100	98.9	90	110	
Sb	121	1	No Gas	104.388	0.608	864118	0.91	100	104.4	90	110	
Ba	137	1	No Gas	96.992	0.947	339269	1.10	100	97.0	90	110	
Tl	205	1	No Gas	94.922	0.585	1331725	1.62	100	94.9	90	110	
Tl	203	1	No Gas	98.063	1.645	569151	0.61	100	98.1	90	110	
Pb	208	1	No Gas	98.298	0.792	2014671	1.53	100	98.3	90	110	
U	238	1	No Gas	100.003	1.452	1871560	1.22	100	100.0	90	110	
Ca	43	2	He	9574.721	1.449	15422	2.21	10000	95.7	90	110	
Sb	121	2	He	102.897	0.330	412283	0.90	100	102.9	90	110	
Ti	47	2	He	98.711	4.388	13657	4.02	100	98.7	90	110	
Cu	63	1	No Gas	98.549	1.032	625350	0.71	100	98.5	90	110	
Se	82	1	No Gas	103.583	0.894	14640	2.21	100	103.6	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	378360	0.46	471023	80.33	70	120	
Ge	72	2	He	416236	1.13	472743	88.05	70	120	
Ge	72	1	No Gas	1395155	1.36	1532243	91.05	70	120	
In	115	1	No Gas	1696363	1.84	1782326	95.18	70	120	
Bi	209	1	No Gas	1273797	2.20	1201520	106.02	70	120	

Sample Report

Sample Table

Sample Name	LCS-196608
Data File Name	208SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T17:56:50-05:00
Sample Type	Sample
Dilution	1
Comment	TW DOD B 196608Tl
ISTD Ref FileName	085CALB.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
Li	7	1	No Gas	96.402	96.402	2.21	547361	0.02	2000	
Be	9	1	No Gas	49.021	49.021	2.07	88896	0.06	2000	
V	51	2	He	48.962	48.962	5.78	172130	0.03	2000	
Cr	52	2	He	49.911	49.911	5.08	185253	0.03	2000	
Fe	56	2	He	5140.871	5140.871	4.99	15686122	0.03	200000	
Se	78	2	He	52.103	52.103	5.31	3924	1.33	2000	
As	75	2	He	50.790	50.790	5.21	33895	0.15	2000	
Ca	44	2	He	5093.610	5093.610	4.80	137669	3.70	200000	
Na	23	2	He	5446.837	5446.837	5.14	2858214	0.19	200000	
Mg	24	2	He	5250.684	5250.684	5.83	1622904	0.32	200000	
K	39	2	He	5076.155	5076.155	5.55	3077160	0.16	200000	
Mn	55	2	He	50.650	50.650	3.77	150532	0.03	2000	
Co	59	2	He	50.636	50.636	5.03	231510	0.02	2000	
Ni	60	2	He	51.391	51.391	3.76	57736	0.09	2000	
Cu	63	2	He	60.232	60.232	4.67	164444	0.04	2000	
Zn	66	2	He	58.100	58.100	5.35	38234	0.15	2000	
Al	27	2	He	108.092	108.092	5.38	27387	0.39	2000	
B	11	1	No Gas	483.122	483.122	2.08	481495	0.10	2000	
Al	27	1	No Gas	104.435	104.435	4.40	914241	0.01	2000	
Si	28	1	No Gas	506.639	506.639	2.50	2877660	0.02	2000	
Ag	107	1	No Gas	48.578	48.578	2.77	469094	0.01	2000	
Cd	111	1	No Gas	49.137	49.137	1.54	94861	0.05	2000	
Sr	88	1	No Gas	96.077	96.077	4.52	1961553	0.00	2000	
Mo	95	1	No Gas	46.429	46.429	2.56	185716	0.03	2000	
Sn	118	1	No Gas	97.303	97.303	2.58	585470	0.02	2000	
Sb	121	1	No Gas	50.900	50.900	1.57	439491	0.01	2000	
Ba	137	1	No Gas	48.816	48.816	3.05	172207	0.03	2000	
Tl	205	1	No Gas	43.149	43.149	0.93	609341	0.01	2000	
Tl	203	1	No Gas	43.670	43.670	0.72	255150	0.02	2000	
Pb	208	1	No Gas	48.749	48.749	1.36	1005546	0.00	2000	
U	238	1	No Gas	97.509	97.509	2.83	1835862	0.01	2000	
Ca	43	2	He	5172.120	5172.120	5.37	8383	61.70	200000	
Sb	121	2	He	50.849	50.849	4.94	204370	0.02	2000	
Ti	47	2	He	150.230	150.230	5.86	20823	0.72	2000	
Cu	63	1	No Gas	58.370	58.370	2.09	386445	0.02	2000	
Zn	66	1	No Gas	56.177	56.177	1.49	110026	0.05	2000	
Se	82	1	No Gas	48.260	48.260	6.16	7231	0.67	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	413419	2.08	471023	87.77	70	120	
Ge	72	2	He	417852	4.87	472743	88.39	70	120	
Ge	72	1	No Gas	1454202	1.60	1532243	94.91	70	120	
In	115	1	No Gas	1710586	2.70	1782326	95.97	70	120	

Sample Report

Bi	209	1	No Gas	1281436	0.87	1201520	106.65	70	120	

Sample Report

Sample Table

Sample Name	HS23060722-06SD
Data File Name	210SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T18:00:33-05:00
Sample Type	Sample
Dilution	25
Comment	TW DOD B 196608
ISTD Ref FileName	085CALB.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
Li	7	1	No Gas	4.695	117.378	2.18	50636	0.01	2000	
Be	9	1	No Gas	0.018	0.453	26.75	57	0.03	2000	
V	51	2	He	2.877	71.933	2.60	22002	0.01	2000	
Cr	52	2	He	0.318	7.947	39.65	13617	0.00	2000	
Fe	56	2	He	-0.349	-8.730	-113.15	39009	0.00	200000	
Se	78	2	He	-0.330	-8.244	-42.12	168	-0.20	2000	
As	75	2	He	-0.023	-0.574	-260.53	374	-0.01	2000	
Ca	44	2	He	5229.630	130740.758	2.20	141478	3.70	200000	
Na	23	2	He	14151.974	353799.358	1.67	7385545	0.19	200000	
Mg	24	2	He	2612.986	65324.638	2.86	809656	0.32	200000	
K	39	2	He	10.314	257.862	46.87	241463	0.00	200000	
Mn	55	2	He	13.968	349.204	0.57	41784	0.03	2000	
Co	59	2	He	0.091	2.270	18.75	463	0.02	2000	
Ni	60	2	He	1.496	37.400	6.41	1974	0.08	2000	
Cu	63	2	He	0.082	2.039	30.35	420	0.02	2000	
Zn	66	2	He	0.916	22.907	20.58	867	0.11	2000	
Al	27	2	He	0.501	12.517	87.15	1117	0.04	2000	
B	11	1	No Gas	4.027	100.665	9.45	9662	0.04	2000	
Al	27	1	No Gas	0.349	8.721	35.44	37782	0.00	2000	
Si	28	1	No Gas	568.017	14200.420	4.28	3130527	0.02	2000	
Ag	107	1	No Gas	-0.071	-1.778	-2.45	103	-0.07	2000	
Cd	111	1	No Gas	0.009	0.215	93.33	6	0.14	2000	
Sr	88	1	No Gas	119.541	2988.520	3.20	2434988	0.00	2000	
Mo	95	1	No Gas	0.083	2.086	110.68	984	0.01	2000	
Sn	118	1	No Gas	-0.013	-0.314	-56.32	1057	0.00	2000	
Sb	121	1	No Gas	-0.057	-1.419	-9.30	213	-0.03	2000	
Ba	137	1	No Gas	1.198	29.958	5.42	4411	0.03	2000	
Tl	205	1	No Gas	0.007	0.182	86.18	680	0.00	2000	
Tl	203	1	No Gas	-0.004	-0.099	-154.45	193	0.00	2000	
Pb	208	1	No Gas	0.002	0.062	284.21	810	0.00	2000	
U	238	1	No Gas	0.089	2.226	10.92	2034	0.00	2000	
Ca	43	2	He	5254.832	131370.808	7.89	8516	61.70	200000	
Sb	121	2	He	-0.054	-1.339	-13.47	100	-0.05	2000	
Ti	47	2	He	0.041	1.030	268.92	23	0.18	2000	
Cu	63	1	No Gas	0.930	23.249	3.23	7079	0.01	2000	
Zn	66	1	No Gas	0.895	22.367	7.97	2387	0.04	2000	
Se	82	1	No Gas	-1.555	-38.866	-37.33	8	-18.34	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	396294	1.37	471023	84.13	70	120	
Ge	72	2	He	417736	1.02	472743	88.36	70	120	
Ge	72	1	No Gas	1432331	2.90	1532243	93.48	70	120	
In	115	1	No Gas	1706349	2.72	1782326	95.74	70	120	

Sample Report

Bi	209	1	No Gas	1252298	2.75	1201520	104.23	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	211_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T18:02:25-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	085CALB.d
n	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
Li	7	1	No Gas	97.557	1.557	533594	0.58	100	97.6	90	110	
Be	9	1	No Gas	98.998	1.092	173019	0.37	100	99.0	90	110	
V	51	2	He	98.183	2.954	325619	1.14	100	98.2	90	110	
Cr	52	2	He	106.510	2.516	373203	0.72	100	106.5	90	110	
Fe	56	2	He	10068.033	2.975	30042527	1.15	10000	100.7	90	110	
Se	78	2	He	98.965	4.059	7129	2.17	100	99.0	90	110	
As	75	2	He	99.548	2.415	64691	0.65	100	99.5	90	110	
Ca	44	2	He	9917.441	1.666	261944	0.22	10000	99.2	90	110	
Na	23	2	He	10219.319	1.839	5224726	0.14	10000	102.2	90	110	
Mg	24	2	He	10091.116	2.749	3053373	0.99	10000	100.9	90	110	
K	39	2	He	9863.557	3.241	5637396	1.31	10000	98.6	90	110	
Mn	55	2	He	100.347	3.349	291578	1.53	100	100.3	90	110	
Co	59	2	He	100.134	2.130	448277	0.31	100	100.1	90	110	
Ni	60	2	He	106.465	2.660	116760	0.83	100	106.5	90	110	
Cu	63	2	He	100.599	2.439	268791	0.73	100	100.6	90	110	
Zn	66	2	He	102.647	1.525	65960	0.63	100	102.6	90	110	
Al	27	2	He	109.240	7.942	27078	5.83	100	109.2	90	110	
B	11	1	No Gas	511.057	1.013	490613	0.51	500	102.2	90	110	
Al	27	1	No Gas	104.482	3.308	885489	0.51	100	104.5	90	110	
Si	28	1	No Gas	614.263	1.325	3299657	1.68	5000	12.3	90	110	CCV Main CR1-2 Failed
Ag	107	1	No Gas	100.689	0.492	921211	1.34	100	100.7	90	110	
Cd	111	1	No Gas	99.142	0.759	181462	1.01	100	99.1	90	110	
Sr	88	1	No Gas	102.164	0.451	1978556	1.28	100	102.2	90	110	
Mo	95	1	No Gas	96.666	0.909	366013	2.01	100	96.7	90	110	
Sn	118	1	No Gas	101.425	0.269	578643	0.85	100	101.4	90	110	
Sb	121	1	No Gas	102.069	2.357	852427	0.64	100	102.1	90	110	
Ba	137	1	No Gas	100.595	0.835	336321	0.26	100	100.6	90	110	
Tl	205	1	No Gas	97.154	3.535	1270165	2.22	100	97.2	90	110	
Tl	203	1	No Gas	98.691	2.377	533912	1.26	100	98.7	90	110	
Pb	208	1	No Gas	99.818	1.429	1906903	1.31	100	99.8	90	110	
U	238	1	No Gas	101.420	2.504	1769013	0.53	100	101.4	90	110	
Ca	43	2	He	9747.919	5.610	15402	3.77	10000	97.5	90	110	
Sb	121	2	He	99.796	2.054	392474	0.24	100	99.8	90	110	
Ti	47	2	He	100.312	3.936	13620	2.13	100	100.3	90	110	
Cu	63	1	No Gas	100.983	1.735	646542	1.15	100	101.0	90	110	
Se	82	1	No Gas	98.433	3.350	14046	2.73	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
Li	6	1	No Gas	398423	1.44	471023	84.59	70	120	
Ge	72	2	He	408631	1.81	472743	86.44	70	120	
Ge	72	1	No Gas	1408076	2.87	1532243	91.90	70	120	
In	115	1	No Gas	1621354	1.10	1782326	90.97	70	120	
Bi	209	1	No Gas	1187488	2.69	1201520	98.83	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	212_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T18:04:14-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	085CALB.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
Li	7	1	No Gas	0.495	4.5	30568	1.6	0.5	
Be	9	1	No Gas	0.063	11.8	142	10.8	0.5	
V	51	2	He	-0.729	-8.6	10248	0.8	2.5	
Cr	52	2	He	0.348	28.5	13740	2.1	2.5	
Fe	56	2	He	-6.196	-6.0	21208	4.7	100	
Se	78	2	He	-0.155	-198.4	181	11.7	2	
As	75	2	He	-0.058	-51.8	352	6.2	2.5	
Ca	44	2	He	-1.186	-64.2	517	4.0	100	
Na	23	2	He	220.007	1.6	145883	1.6	100	CCB Main CR1 Failed
Mg	24	2	He	1.335	27.6	2160	4.9	100	
K	39	2	He	6.004	124.3	239361	0.8	100	
Mn	55	2	He	0.068	37.3	523	14.1	2.5	
Co	59	2	He	0.011	52.1	97	26.0	2.5	
Ni	60	2	He	-0.048	-71.0	247	15.3	2.5	
Cu	63	2	He	0.084	14.5	427	7.5	2	
Zn	66	2	He	0.262	76.5	440	29.7	2.5	
Al	27	2	He	-0.793	-207.4	804	51.5	5	
B	11	1	No Gas	5.992	8.6	12170	3.1	0.5	CCB Main CR1 Failed
Al	27	1	No Gas	-2.023	-3.8	18009	5.0	5	
Si	28	1	No Gas	-8.948	-11.9	330085	1.7	10	
Ag	107	1	No Gas	-0.057	-7.1	230	15.7	2.5	
Cd	111	1	No Gas	0.012	71.1	12	127.7	1	
Sr	88	1	No Gas	0.000	1613.6	1270	6.4	2.5	
Mo	95	1	No Gas	0.074	124.2	920	38.7	2.5	
Sn	118	1	No Gas	0.095	45.8	1653	12.5	5	
Sb	121	1	No Gas	-0.019	-42.6	533	13.3	2.5	
Ba	137	1	No Gas	0.034	73.5	303	25.2	2.5	
Tl	205	1	No Gas	0.633	35.7	9137	32.3	1	
Tl	203	1	No Gas	0.619	33.9	3674	30.6	1	
Pb	208	1	No Gas	0.018	34.7	1107	10.0	2.5	
U	238	1	No Gas	0.004	92.1	460	15.2	2.5	
Ca	43	2	He	-5.315	-854.1	47	155.0	100	
Sb	121	2	He	-0.008	-216.8	283	23.0	2.5	
Ti	47	2	He	-0.055	-130.7	10	100.0	2.5	
Cu	63	1	No Gas	1.115	3.4	8226	0.5	2.5	
Se	82	1	No Gas	-0.728	-47.4	126	40.3	2	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	418851	1.28	471023	88.92	70	120	
Ge	72	2	He	418310	1.20	472743	88.49	70	120	
Ge	72	1	No Gas	1422163	2.61	1532243	92.82	70	120	
In	115	1	No Gas	1661472	2.86	1782326	93.22	70	120	
Bi	209	1	No Gas	1232041	1.48	1201520	102.54	70	120	

Sample Report

Sample Table

Sample Name	HS23060722-06PDS
Data File Name	213SMPL.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T18:06:07-05:00
Sample Type	Sample
Dilution	5
Comment	TW DOD B 196608
ISTD Ref FileName	085CALB.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
Li	7	1	No Gas	21.080	105.400	1.73	137726	0.02	2000	
Be	9	1	No Gas	98.474	492.371	2.59	174170	0.06	2000	
V	51	2	He	97.846	489.232	1.34	332513	0.03	2000	
Cr	52	2	He	97.618	488.091	0.34	351492	0.03	2000	
Fe	56	2	He	9997.528	49987.639	0.82	30566154	0.03	200000	
Se	78	2	He	98.080	490.398	1.59	7241	1.35	2000	
As	75	2	He	100.209	501.045	0.73	66716	0.15	2000	
Ca	44	2	He	35937.282	179686.408	2.35	970841	3.70	200000	
Na	23	2	He	78908.508	394542.538	0.92	41118874	0.19	200000	
Mg	24	2	He	22229.790	111148.952	1.32	6889528	0.32	200000	
K	39	2	He	10025.566	50127.831	0.74	5867083	0.17	200000	
Mn	55	2	He	165.770	828.848	1.15	493341	0.03	2000	
Co	59	2	He	98.053	490.263	1.60	449689	0.02	2000	
Ni	60	2	He	104.397	521.986	0.30	117315	0.09	2000	
Cu	63	2	He	97.571	487.855	1.26	267088	0.04	2000	
Zn	66	2	He	100.872	504.362	0.95	66409	0.15	2000	
Al	27	2	He	102.177	510.885	1.27	26028	0.39	2000	
B	11	1	No Gas	8.476	42.380	1.76	14106	0.06	2000	
Al	27	1	No Gas	102.023	510.117	2.34	873452	0.01	2000	
Si	28	1	No Gas	2983.358	14916.791	1.96	14730552	0.02	2000	>LDR
Ag	107	1	No Gas	99.511	497.554	2.26	915222	0.01	2000	
Cd	111	1	No Gas	99.104	495.521	2.10	182359	0.05	2000	
Sr	88	1	No Gas	589.903	2949.516	2.60	11477844	0.01	2000	
Mo	95	1	No Gas	97.973	489.866	2.20	372891	0.03	2000	
Sn	118	1	No Gas	-0.002	-0.008	-841.84	1073	0.00	2000	
Sb	121	1	No Gas	99.117	495.587	1.71	835376	0.01	2000	
Ba	137	1	No Gas	106.357	531.787	2.32	357465	0.03	2000	
Tl	205	1	No Gas	106.680	533.401	1.41	1389707	0.01	2000	
Tl	203	1	No Gas	109.795	548.974	0.30	591794	0.02	2000	
Pb	208	1	No Gas	99.247	496.233	0.21	1888873	0.01	2000	
U	238	1	No Gas	0.470	2.352	2.96	8543	0.01	2000	
Ca	43	2	He	35238.496	176192.479	0.84	56925	61.90	200000	
Sb	121	2	He	96.707	483.534	1.69	389638	0.02	2000	
Ti	47	2	He	101.886	509.431	2.78	14174	0.72	2000	
Cu	63	1	No Gas	101.477	507.383	1.87	655548	0.02	2000	
Zn	66	1	No Gas	100.180	500.898	1.11	191160	0.05	2000	
Se	82	1	No Gas	95.225	476.124	4.24	13715	0.69	2000	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	403255	1.40	471023	85.61	70	120	
Ge	72	2	He	418548	1.02	472743	88.54	70	120	
Ge	72	1	No Gas	1420593	1.85	1532243	92.71	70	120	
In	115	1	No Gas	1630607	2.90	1782326	91.49	70	120	

Sample Report

Bi	209	1	No Gas	1182727	0.35	1201520	98.44	70	120	

Continuing Calibration Verification (CCV) Report

Sample Table

Sample Name	CCV
Data File Name	222_CCV.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T18:33:00-05:00
Sample Type	CCV
Dilution	1
Comment	
ISTD Ref File Name	085CALB.d
n	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
Li	7	1	No Gas	99.646	1.919	568274	1.07	100	99.6	90	110	
Be	9	1	No Gas	100.640	1.318	183583	0.60	100	100.6	90	110	
V	51	2	He	101.099	2.386	343240	0.86	100	101.1	90	110	
Cr	52	2	He	103.423	1.868	371755	0.65	100	103.4	90	110	
Fe	56	2	He	10287.494	1.744	31461726	0.79	10000	102.9	90	110	
Se	78	2	He	101.701	3.998	7502	2.41	100	101.7	90	110	
As	75	2	He	100.388	2.173	66851	0.84	100	100.4	90	110	
Ca	44	2	He	10104.786	3.570	273442	2.18	10000	101.0	90	110	
Na	23	2	He	10363.568	2.334	5429309	1.63	10000	103.6	90	110	
Mg	24	2	He	10252.301	0.874	3179629	1.02	10000	102.5	90	110	
K	39	2	He	9984.860	2.390	5845694	0.67	10000	99.8	90	110	
Mn	55	2	He	101.900	1.024	303507	1.14	100	101.9	90	110	
Co	59	2	He	102.949	2.352	472281	0.75	100	102.9	90	110	
Ni	60	2	He	102.311	1.673	115009	0.73	100	102.3	90	110	
Cu	63	2	He	103.846	1.220	284380	1.27	100	103.8	90	110	
Zn	66	2	He	102.453	1.429	67474	1.94	100	102.5	90	110	
Al	27	2	He	101.312	3.540	25824	2.89	100	101.3	90	110	
B	11	1	No Gas	506.052	0.445	507141	0.32	500	101.2	90	110	
Al	27	1	No Gas	102.980	0.671	902515	1.68	100	103.0	90	110	
Si	28	1	No Gas	490.677	2.443	2799353	1.17	5000	9.8	90	110	CCV Main CR1-2 Failed
Ag	107	1	No Gas	99.029	2.049	962255	0.35	100	99.0	90	110	
Cd	111	1	No Gas	99.882	2.296	194161	0.15	100	99.9	90	110	
Sr	88	1	No Gas	98.713	1.416	2030621	1.02	100	98.7	90	110	
Mo	95	1	No Gas	95.582	1.961	384361	0.60	100	95.6	90	110	
Sn	118	1	No Gas	100.080	2.241	606415	0.24	100	100.1	90	110	
Sb	121	1	No Gas	99.219	0.891	856185	0.58	100	99.2	90	110	
Ba	137	1	No Gas	98.790	1.685	350832	0.82	100	98.8	90	110	
Tl	205	1	No Gas	106.806	1.060	1453445	1.63	100	106.8	90	110	
Tl	203	1	No Gas	109.281	0.306	615279	0.66	100	109.3	90	110	
Pb	208	1	No Gas	99.554	1.034	1979221	1.54	100	99.6	90	110	
U	238	1	No Gas	100.425	1.035	1823152	0.91	100	100.4	90	110	
Ca	43	2	He	10079.227	3.350	16330	4.04	10000	100.8	90	110	
Sb	121	2	He	98.264	1.822	396029	0.23	100	98.3	90	110	
Ti	47	2	He	102.297	3.572	14234	2.03	100	102.3	90	110	
Cu	63	1	No Gas	102.217	0.730	676108	0.31	100	102.2	90	110	
Se	82	1	No Gas	94.700	2.735	13969	1.94	100	94.7	90	110	

QC ISTD Table

Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	415839	0.75	471023	88.28	70	120	
Ge	72	2	He	418748	1.85	472743	88.58	70	120	
Ge	72	1	No Gas	1454310	1.03	1532243	94.91	70	120	
In	115	1	No Gas	1722554	2.42	1782326	96.65	70	120	
Bi	209	1	No Gas	1235439	0.65	1201520	102.82	70	120	

Continuing Calibration Blank (CCB) Report

Sample Table

Sample Name	CCB
Data File Name	223_CCB.d
Data Path Name	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq Date Time	2023-06-28T18:34:50-05:00
Sample Type	CCB
Dilution	1
Comment	
ISTD Ref File Name	085CALB.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
Li	7	1	No Gas	0.408	30.5	30922	3.4	0.5	
Be	9	1	No Gas	0.052	25.3	125	18.3	0.5	
V	51	2	He	-1.085	-5.9	9236	1.1	2.5	
Cr	52	2	He	0.311	7.3	13841	0.9	2.5	
Fe	56	2	He	-5.085	-12.7	25019	8.2	100	
Se	78	2	He	-0.082	-456.3	189	15.7	2	
As	75	2	He	-0.023	-109.9	381	3.6	2.5	
Ca	44	2	He	-3.680	-40.9	457	8.3	100	
Na	23	2	He	136.070	3.6	103895	1.4	100	CCB Main CR1 Failed
Mg	24	2	He	0.583	59.9	1960	5.9	100	
K	39	2	He	-1.011	-442.4	239379	0.2	100	
Mn	55	2	He	0.044	26.4	460	7.8	2.5	
Co	59	2	He	0.016	31.6	123	20.4	2.5	
Ni	60	2	He	0.000	10897.4	307	19.1	2.5	
Cu	63	2	He	0.037	69.4	303	23.8	2	
Zn	66	2	He	0.256	23.4	443	9.1	2.5	
Al	27	2	He	-1.532	-40.0	630	24.0	5	
B	11	1	No Gas	4.334	5.7	10809	1.8	0.5	CCB Main CR1 Failed
Al	27	1	No Gas	-1.984	-4.0	19140	1.3	5	
Si	28	1	No Gas	-10.920	-6.8	335029	1.9	10	
Ag	107	1	No Gas	-0.053	-9.8	277	18.2	2.5	
Cd	111	1	No Gas	0.010	149.2	9	322.9	1	
Sr	88	1	No Gas	-0.008	-91.9	1140	12.3	2.5	
Mo	95	1	No Gas	-0.008	-36.8	627	1.8	2.5	
Sn	118	1	No Gas	0.042	28.2	1397	6.4	5	
Sb	121	1	No Gas	0.432	16.0	4521	12.1	2.5	
Ba	137	1	No Gas	0.055	28.9	393	14.0	2.5	
Tl	205	1	No Gas	0.046	58.5	1210	28.7	1	
Tl	203	1	No Gas	0.065	14.3	583	7.1	1	
Pb	208	1	No Gas	0.018	19.7	1110	6.8	2.5	
U	238	1	No Gas	0.004	176.2	460	24.5	2.5	
Ca	43	2	He	-14.182	-66.9	33	45.8	100	
Sb	121	2	He	0.350	5.8	1753	3.7	2.5	
Ti	47	2	He	-0.104	-38.7	3	173.2	2.5	
Cu	63	1	No Gas	1.263	5.6	9590	2.6	2.5	
Se	82	1	No Gas	-1.308	-5.3	45	25.8	2	

QC ISTD Table

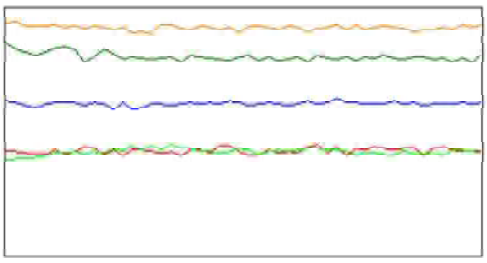
Name	Mass	Tune Step	Tune Mode	CPS	%RSD	Ref CPS	%Rec	%QC Low	%QC High	QC Flag
Li	6	1	No Gas	430378	1.39	471023	91.37	70	120	
Ge	72	2	He	425320	1.25	472743	89.97	70	120	
Ge	72	1	No Gas	1486137	2.63	1532243	96.99	70	120	
In	115	1	No Gas	1723412	2.47	1782326	96.69	70	120	
Bi	209	1	No Gas	1250925	1.91	1201520	104.11	70	120	

Tune Check Report

Operator Name	ALSHS NoUser
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\062823A.b
Acq. Date-Time	6/28/2023 9:49:00 AM
Report Comment	---
Instrument Name	G8421A SG18523544

[No Gas]

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	2131	21308.80		
24	50000	21109	211089.46		
59	20000	12327	123274.98		
115	20000	18500	185000.79		
208	10000	8080	80799.07		

Mass	Resp Ratio	Resp Ratio (Required)	Resp Ratio (Flag)
9		-	
24		-	
59		-	
115		-	
208		-	

Mass	RSD%	RSD% (Required)	RSD% (Flag)
9	2.651	5.000	
24	2.972	5.000	
59	1.315	5.000	
115	1.139	5.000	
208	2.111	5.000	

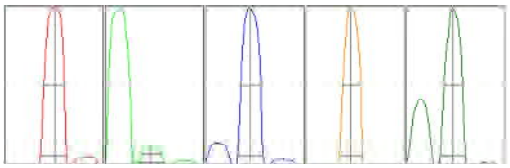
Mass	Background	Background (Required)	Background (Flag)
9	1.800		
24	1.600		
59	1.500		
115	1.900		
208	5.000		

Oxide/Doubly Charged Ratio

Oxide	156 / 140 1.735 %
Doubly Charged	70 / 140 0.883 %

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	2139.95	9.05	8.90 - 9.10	
24	20388.59	23.90	23.90 - 24.10	
59	12575.07	58.90	58.90 - 59.10	
115	19196.56	114.90	114.90 - 115.10	
208	7991.45	207.95	207.90 - 208.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.64	0.785		
24	0.63	0.777		
59	0.59	0.772		
115	0.54	0.689		
208	0.57	0.773		

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.60 L/min	Dilution Gas	0.40 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	10.8 V	Deflect	15.8 V
Extract 2	-200.0 V	Cell Entrance	-30 V	Plate Bias	-50 V
Omega Bias	-90 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	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	134	Axis Gain	1.0003	QP Bias	-3.0 V
Mass Offset	125	Axis Offset	0.07		

Hardware Settings

Torch

Torch H	0.7 mm	Torch V	-0.7 mm

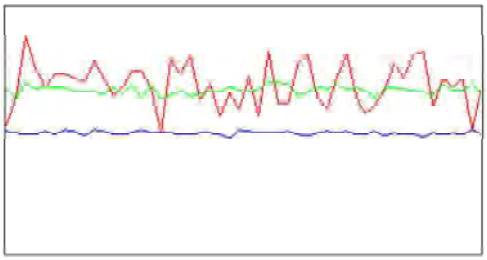
EM

Discriminator	4.7 mV	Analog HV	3003 V	Pulse HV	1644 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	100	69	686.62		
24	2000	1326	13263.06		
59	10000	4905	49047.40		

Mass	Resp Ratio	Resp Ratio (Required)	Resp Ratio (Flag)
9		-	
24		-	
59		-	

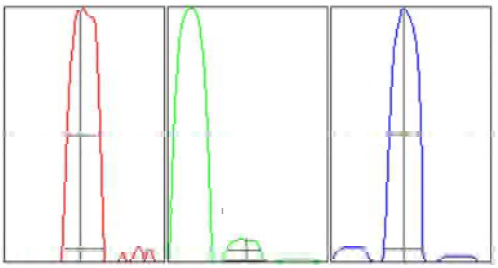
Mass	RSD%	RSD% (Required)	RSD% (Flag)
9	13.109	5.000	Fail
24	2.667	5.000	
59	1.513	5.000	

Mass	Background	Background (Required)	Background (Flag)
9	0.100		
24	0.300		
59	0.100		

Oxide/Doubly Charged Ratio

Oxide	156 / 140 3.009 %
Doubly Charged	70 / 140 0.828 %

Resolution/Axis



Integration Time [sec]	0.1
Acquisition Time [sec]	22.24
Y Axis	Linear

Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	67.00	8.95	8.90 - 9.10	
24	1293.15	24.00	23.90 - 24.10	
59	4992.28	58.90	58.90 - 59.10	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.64	0.783		
24	0.62	0.778		

Tune Check Report

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
59	0.59	0.731		

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.60 L/min	Dilution Gas	0.40 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	10.4 V	Deflect	0.9 V
Extract 2	-200.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-90 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	3.0 V
He Flow	3.8 mL/min	OctP Bias	-18.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	134	Axis Gain	1.0003	QP Bias	-15.0 V
Mass Offset	125	Axis Offset	0.07		

Hardware Settings

Torch

Torch H	0.7 mm	Torch V	-0.7 mm

EM

Discriminator	4.7 mV	Analog HV	3003 V	Pulse HV	1644 V

HS23080325 LHAAP Cover Page

ALS WO# HS23080325

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Raw Data VOA9 443493

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alsglobal.com

right solutions.
right partner.

WorkOrder: HS23080325

LHAAP

Bhate Environmental Associates, Inc.

Marcia Olive
445 Union Blvd Ste 129
Lakewood CO 80228

16-Aug-2023

HS23080325 LHAAP Final

ALS WO# HS23080325

10450 Stancliff Rd. Suite 210
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August 09, 2023

Marcia Olive
Bhate Environmental Associates, Inc.
445 Union Blvd Ste 129
Lakewood, CO 80228

Work Order: **HS23080325**

Laboratory Results for: **LHAAP**

Dear Marcia Olive,

ALS Environmental received 2 sample(s) on Aug 03, 2023 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
James Guin

ALS Houston, US Date: 09-Aug-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP
Work Order: HS23080325

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23080325-01	35AWW27_080223	Water		02-Aug-2023 07:05	03-Aug-2023 09:15	☐
HS23080325-10	Trip Blank	Water		02-Aug-2023 00:00	03-Aug-2023 09:15	☐

ALS Houston, US Date: 09-Aug-23

Client: Bhate Environmental Associates, Inc. **CASE NARRATIVE**
Project: LHAAP
Work Order: HS23080325

GCMS Volatiles by Method SW8260

Batch ID: R443493

Sample ID: VLCSW-230808

- 4_Isopropyltoluene and Hexachlorobutadiene exceeded QC limits for LCS. Samples are ND for these compounds.

Sample ID: HS23080101-01MS

- MS and MSD are for an unrelated sample

ALS Houston, US Date: 09-Aug-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP
Sample ID: 35AWW27_080223
Collection Date: 02-Aug-2023 07:05

ANALYTICAL REPORT
WorkOrder:HS23080325
Lab ID:HS23080325-01
Matrix:Water

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C	**Method:SW8260**							Analyst: PC
1,1,1,2-Tetrachloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 15:08
1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 15:08
1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.50	1.0	ug/L	1	08-Aug-2023 15:08
1,1,2-Trichloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 15:08
1,1-Dichloroethane	**2.3**		**0.20**	**0.50**	**1.0**	**ug/L**	1	08-Aug-2023 15:08
1,1-Dichloroethene	**2.2**		**0.20**	**0.50**	**1.0**	**ug/L**	1	08-Aug-2023 15:08
1,1-Dichloropropene	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 15:08
1,2,3-Trichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	08-Aug-2023 15:08
1,2,3-Trichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	08-Aug-2023 15:08
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	08-Aug-2023 15:08
1,2,4-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 15:08
1,2-Dibromo-3-chloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 15:08
1,2-Dibromoethane	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 15:08
1,2-Dichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	08-Aug-2023 15:08
1,2-Dichloroethane	**0.78**	J	**0.20**	**0.50**	**1.0**	**ug/L**	1	08-Aug-2023 15:08
1,2-Dichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	08-Aug-2023 15:08
1,3,5-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 15:08
1,3-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	08-Aug-2023 15:08
1,3-Dichloropropane	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 15:08
1,4-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	08-Aug-2023 15:08
2,2-Dichloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 15:08
2-Butanone	0.50	U	0.50	0.50	2.0	ug/L	1	08-Aug-2023 15:08
2-Chlorotoluene	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 15:08
2-Hexanone	2.0	U	1.0	2.0	2.0	ug/L	1	08-Aug-2023 15:08
4-Chlorotoluene	0.50	U	0.40	0.50	1.0	ug/L	1	08-Aug-2023 15:08
4-Isopropyltoluene	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 15:08
4-Methyl-2-pentanone	2.0	U	0.70	2.0	2.0	ug/L	1	08-Aug-2023 15:08
Acetone	2.0	U	0.40	2.0	2.0	ug/L	1	08-Aug-2023 15:08
Benzene	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 15:08
Bromobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	08-Aug-2023 15:08
Bromochloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 15:08
Bromodichloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 15:08
Bromoform	0.50	U	0.40	0.50	1.0	ug/L	1	08-Aug-2023 15:08
Bromomethane	0.50	U	0.40	0.50	1.0	ug/L	1	08-Aug-2023 15:08
Carbon disulfide	2.0	U	0.60	2.0	2.0	ug/L	1	08-Aug-2023 15:08
Carbon tetrachloride	0.50	U	0.50	0.50	1.0	ug/L	1	08-Aug-2023 15:08
Chlorobenzene	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 15:08
Chloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 15:08
Chloroform	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 15:08

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 09-Aug-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP
Sample ID: 35AWW27_080223
Collection Date: 02-Aug-2023 07:05

ANALYTICAL REPORT
WorkOrder:HS23080325
Lab ID:HS23080325-01
Matrix:Water

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C		**Method:SW8260**						Analyst: PC
Chloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 15:08
cis-1,2-Dichloroethene	**0.62**	J	**0.20**	**0.50**	**1.0**	**ug/L**	1	08-Aug-2023 15:08
cis-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 15:08
Dibromochloromethane	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 15:08
Dibromomethane	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 15:08
Dichlorodifluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 15:08
Ethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 15:08
Hexachlorobutadiene	0.50	U	1.0	0.50	1.0	ug/L	1	08-Aug-2023 15:08
Isopropylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 15:08
m,p-Xylene	1.0	U	0.50	1.0	2.0	ug/L	1	08-Aug-2023 15:08
Methylene chloride	2.0	U	0.40	2.0	2.0	ug/L	1	08-Aug-2023 15:08
n-Butylbenzene	0.50	U	0.40	0.50	1.0	ug/L	1	08-Aug-2023 15:08
n-Propylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 15:08
Naphthalene	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 15:08
o-Xylene	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 15:08
sec-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 15:08
Styrene	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 15:08
tert-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 15:08
Tetrachloroethene	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 15:08
Toluene	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 15:08
trans-1,2-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 15:08
trans-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 15:08
Trichloroethene	**1.7**		**0.20**	**0.50**	**1.0**	**ug/L**	1	08-Aug-2023 15:08
Trichlorofluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 15:08
Vinyl chloride	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 15:08
Surr: 1,2-Dichloroethane-d4	*112*			**0**	*81-118*	*%REC*	*1*	*08-Aug-2023 15:08*
Surr: 4-Bromofluorobenzene	*94.3*			**0**	*85-114*	*%REC*	*1*	*08-Aug-2023 15:08*
Surr: Dibromofluoromethane	*104*			**0**	*80-119*	*%REC*	*1*	*08-Aug-2023 15:08*
Surr: Toluene-d8	*104*			**0**	*89-112*	*%REC*	*1*	*08-Aug-2023 15:08*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 09-Aug-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP
Sample ID: Trip Blank
Collection Date: 02-Aug-2023 00:00

ANALYTICAL REPORT
WorkOrder:HS23080325
Lab ID:HS23080325-10
Matrix:Water

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C	**Method:SW8260**							Analyst: PC
1,1,1,2-Tetrachloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 14:24
1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 14:24
1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.50	1.0	ug/L	1	08-Aug-2023 14:24
1,1,2-Trichloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 14:24
1,1-Dichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 14:24
1,1-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 14:24
1,1-Dichloropropene	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 14:24
1,2,3-Trichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	08-Aug-2023 14:24
1,2,3-Trichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	08-Aug-2023 14:24
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	08-Aug-2023 14:24
1,2,4-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 14:24
1,2-Dibromo-3-chloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 14:24
1,2-Dibromoethane	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 14:24
1,2-Dichlorobenzene	0.50	U	0.50	0.50	1.0	ug/L	1	08-Aug-2023 14:24
1,2-Dichloroethane	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 14:24
1,2-Dichloropropane	0.50	U	0.50	0.50	1.0	ug/L	1	08-Aug-2023 14:24
1,3,5-Trimethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 14:24
1,3-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	08-Aug-2023 14:24
1,3-Dichloropropane	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 14:24
1,4-Dichlorobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	08-Aug-2023 14:24
2,2-Dichloropropane	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 14:24
2-Butanone	0.50	U	0.50	0.50	2.0	ug/L	1	08-Aug-2023 14:24
2-Chlorotoluene	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 14:24
2-Hexanone	2.0	U	1.0	2.0	2.0	ug/L	1	08-Aug-2023 14:24
4-Chlorotoluene	0.50	U	0.40	0.50	1.0	ug/L	1	08-Aug-2023 14:24
4-Isopropyltoluene	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 14:24
4-Methyl-2-pentanone	2.0	U	0.70	2.0	2.0	ug/L	1	08-Aug-2023 14:24
Acetone	2.0	U	0.40	2.0	2.0	ug/L	1	08-Aug-2023 14:24
Benzene	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 14:24
Bromobenzene	0.50	U	0.40	0.50	1.0	ug/L	1	08-Aug-2023 14:24
Bromochloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 14:24
Bromodichloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 14:24
Bromoform	0.50	U	0.40	0.50	1.0	ug/L	1	08-Aug-2023 14:24
Bromomethane	0.50	U	0.40	0.50	1.0	ug/L	1	08-Aug-2023 14:24
Carbon disulfide	2.0	U	0.60	2.0	2.0	ug/L	1	08-Aug-2023 14:24
Carbon tetrachloride	0.50	U	0.50	0.50	1.0	ug/L	1	08-Aug-2023 14:24
Chlorobenzene	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 14:24
Chloroethane	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 14:24
Chloroform	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 14:24

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 09-Aug-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP
Sample ID: Trip Blank
Collection Date: 02-Aug-2023 00:00

ANALYTICAL REPORT
WorkOrder:HS23080325
Lab ID:HS23080325-10
Matrix:Water

ANALYSES	RESULT	QUAL	DL	LOD	LOQ	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES ORGANICS BY METHOD 8260C		**Method:SW8260**						Analyst: PC
Chloromethane	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 14:24
cis-1,2-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 14:24
cis-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 14:24
Dibromochloromethane	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 14:24
Dibromomethane	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 14:24
Dichlorodifluoromethane	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 14:24
Ethylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 14:24
Hexachlorobutadiene	0.50	U	1.0	0.50	1.0	ug/L	1	08-Aug-2023 14:24
Isopropylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 14:24
m,p-Xylene	1.0	U	0.50	1.0	2.0	ug/L	1	08-Aug-2023 14:24
Methylene chloride	2.0	U	0.40	2.0	2.0	ug/L	1	08-Aug-2023 14:24
n-Butylbenzene	0.50	U	0.40	0.50	1.0	ug/L	1	08-Aug-2023 14:24
n-Propylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 14:24
Naphthalene	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 14:24
o-Xylene	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 14:24
sec-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 14:24
Styrene	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 14:24
tert-Butylbenzene	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 14:24
Tetrachloroethene	0.50	U	0.30	0.50	1.0	ug/L	1	08-Aug-2023 14:24
Toluene	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 14:24
trans-1,2-Dichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 14:24
trans-1,3-Dichloropropene	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 14:24
Trichloroethene	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 14:24
Trichlorofluoromethane	**0.96**	J	**0.30**	**0.50**	**1.0**	**ug/L**	1	08-Aug-2023 14:24
Vinyl chloride	0.50	U	0.20	0.50	1.0	ug/L	1	08-Aug-2023 14:24
Surr: 1,2-Dichloroethane-d4	*110*			**0**	*81-118*	*%REC*	*1*	*08-Aug-2023 14:24*
Surr: 4-Bromofluorobenzene	*94.3*			**0**	*85-114*	*%REC*	*1*	*08-Aug-2023 14:24*
Surr: Dibromofluoromethane	*102*			**0**	*80-119*	*%REC*	*1*	*08-Aug-2023 14:24*
Surr: Toluene-d8	*105*			**0**	*89-112*	*%REC*	*1*	*08-Aug-2023 14:24*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 09-Aug-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP
WorkOrder: HS23080325

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R443493 (0)	**Test Name :** VOLATILES ORGANICS BY METHOD 8260C				**Matrix:** Water	
HS23080325-01	35AWW27_080223	02 Aug 2023 07:05			08 Aug 2023 15:08	1
HS23080325-10	Trip Blank	02 Aug 2023 00:00			08 Aug 2023 14:24	1

ALS Houston, US Date: 09-Aug-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP
WorkOrder: HS23080325

QC BATCH REPORT

Batch ID: R443493 (0) **Instrument:** VOA9 **Method:** VOLATILES ORGANICS BY METHOD 8260C

MBLK Sample ID: **VBLKW-230808** Units: **ug/L** Analysis Date: **08-Aug-2023 13:17**
Client ID: Run ID: **VOA9_443493** SeqNo: **7479398** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0.50	1.0								U
1,1,1-Trichloroethane	0.50	1.0								U
1,1,2,2-Tetrachloroethane	0.50	1.0								U
1,1,2-Trichloroethane	0.50	1.0								U
1,1-Dichloroethane	0.50	1.0								U
1,1-Dichloroethene	0.50	1.0								U
1,1-Dichloropropene	0.50	1.0								U
1,2,3-Trichlorobenzene	0.50	1.0								U
1,2,3-Trichloropropane	0.50	1.0								U
1,2,4-Trichlorobenzene	0.50	1.0								U
1,2,4-Trimethylbenzene	0.50	1.0								U
1,2-Dibromo-3-chloropropane	0.50	1.0								U
1,2-Dibromoethane	0.50	1.0								U
1,2-Dichlorobenzene	0.50	1.0								U
1,2-Dichloroethane	0.50	1.0								U
1,2-Dichloropropane	0.50	1.0								U
1,3,5-Trimethylbenzene	0.50	1.0								U
1,3-Dichlorobenzene	0.50	1.0								U
1,3-Dichloropropane	0.50	1.0								U
1,4-Dichlorobenzene	0.50	1.0								U
2,2-Dichloropropane	0.50	1.0								U
2-Butanone	0.50	2.0								U
2-Chlorotoluene	0.50	1.0								U
2-Hexanone	2.0	2.0								U
4-Chlorotoluene	0.50	1.0								U
4-Isopropyltoluene	0.50	1.0								U
4-Methyl-2-pentanone	2.0	2.0								U
Acetone	2.0	2.0								U
Benzene	0.50	1.0								U
Bromobenzene	0.50	1.0								U
Bromochloromethane	0.50	1.0								U
Bromodichloromethane	0.50	1.0								U
Bromoform	0.50	1.0								U
Bromomethane	0.50	1.0								U

ALS Houston, US Date: 09-Aug-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP
WorkOrder: HS23080325

QC BATCH REPORT

Batch ID: R443493 (0) **Instrument:** VOA9 **Method:** VOLATILES ORGANICS BY METHOD 8260C

MBLK Sample ID: **VBLKW-230808** Units: **ug/L** Analysis Date: **08-Aug-2023 13:17**
Client ID: Run ID: **VOA9_443493** SeqNo: **7479398** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Carbon disulfide	2.0	2.0								U
Carbon tetrachloride	0.50	1.0								U
Chlorobenzene	0.50	1.0								U
Chloroethane	0.50	1.0								U
Chloroform	0.50	1.0								U
Chloromethane	0.50	1.0								U
cis-1,2-Dichloroethene	0.50	1.0								U
cis-1,3-Dichloropropene	0.50	1.0								U
Dibromochloromethane	0.50	1.0								U
Dibromomethane	0.50	1.0								U
Dichlorodifluoromethane	0.50	1.0								U
Ethylbenzene	0.50	1.0								U
Hexachlorobutadiene	0.50	1.0								U
Isopropylbenzene	0.50	1.0								U
m,p-Xylene	1.0	2.0								U
Methylene chloride	2.0	2.0								U
Naphthalene	0.50	1.0								U
n-Butylbenzene	0.50	1.0								U
n-Propylbenzene	0.50	1.0								U
o-Xylene	0.50	1.0								U
sec-Butylbenzene	0.50	1.0								U
Styrene	0.50	1.0								U
tert-Butylbenzene	0.50	1.0								U
Tetrachloroethene	0.50	1.0								U
Toluene	0.50	1.0								U
trans-1,2-Dichloroethene	0.50	1.0								U
trans-1,3-Dichloropropene	0.50	1.0								U
Trichloroethene	0.50	1.0								U
Trichlorofluoromethane	0.50	1.0								U
Vinyl chloride	0.50	1.0								U
Surr: 1,2-Dichloroethane-d4	*58.64*	*1.0*	*50*	*0*	*117*	*81 - 118*				
Surr: 4-Bromofluorobenzene	*47.65*	*1.0*	*50*	*0*	*95.3*	*85 - 114*				
Surr: Dibromofluoromethane	*49.74*	*1.0*	*50*	*0*	*99.5*	*80 - 119*				
Surr: Toluene-d8	*52.57*	*1.0*	*50*	*0*	*105*	*89 - 112*				

ALS Houston, US Date: 09-Aug-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP
WorkOrder: HS23080325

QC BATCH REPORT

Batch ID: R443493 (0) **Instrument:** VOA9 **Method:** VOLATILES ORGANICS BY METHOD 8260C

LCS Sample ID: **VLCSW-230808** Units: **ug/L** Analysis Date: **08-Aug-2023 12:22**
Client ID: Run ID: **VOA9_443493** SeqNo: **7479397** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	18.73	1.0	20	0	93.6	78 - 124				
1,1,1-Trichloroethane	19.01	1.0	20	0	95.0	74 - 131				
1,1,2,2-Tetrachloroethane	18.1	1.0	20	0	90.5	71 - 121				
1,1,2-Trichloroethane	18.9	1.0	20	0	94.5	80 - 119				
1,1-Dichloroethane	18.67	1.0	20	0	93.4	77 - 125				
1,1-Dichloroethene	19.81	1.0	20	0	99.1	71 - 131				
1,1-Dichloropropene	19.83	1.0	20	0	99.1	78 - 125				
1,2,3-Trichlorobenzene	20.32	1.0	20	0	102	69 - 129				
1,2,3-Trichloropropane	18.52	1.0	20	0	92.6	73 - 122				
1,2,4-Trichlorobenzene	20.67	1.0	20	0	103	69 - 130				
1,2,4-Trimethylbenzene	22.33	1.0	20	0	112	76 - 124				
1,2-Dibromo-3-chloropropane	18.22	1.0	20	0	91.1	62 - 128				
1,2-Dibromoethane	20.18	1.0	20	0	101	77 - 121				
1,2-Dichlorobenzene	19.95	1.0	20	0	99.8	80 - 119				
1,2-Dichloroethane	20.4	1.0	20	0	102	73 - 128				
1,2-Dichloropropane	18.99	1.0	20	0	94.9	78 - 122				
1,3,5-Trimethylbenzene	21.79	1.0	20	0	109	75 - 124				
1,3-Dichlorobenzene	19.82	1.0	20	0	99.1	80 - 119				
1,3-Dichloropropane	19.09	1.0	20	0	95.5	80 - 119				
1,4-Dichlorobenzene	19.28	1.0	20	0	96.4	79 - 118				
2,2-Dichloropropane	20.23	1.0	20	0	101	60 - 139				
2-Butanone	36.86	2.0	40	0	92.1	56 - 143				
2-Chlorotoluene	20.57	1.0	20	0	103	79 - 122				
2-Hexanone	38.93	2.0	40	0	97.3	57 - 139				
4-Chlorotoluene	20.88	1.0	20	0	104	78 - 122				
4-Isopropyltoluene	26.38	1.0	20	0	132	77 - 127				S
4-Methyl-2-pentanone	38.55	2.0	40	0	96.4	67 - 130				
Acetone	40.87	2.0	40	0	102	39 - 160				
Benzene	19.71	1.0	20	0	98.6	79 - 120				
Bromobenzene	19.34	1.0	20	0	96.7	80 - 120				
Bromochloromethane	18.6	1.0	20	0	93.0	78 - 123				
Bromodichloromethane	19.06	1.0	20	0	95.3	79 - 125				
Bromoform	18.72	1.0	20	0	93.6	66 - 130				
Bromomethane	20.61	1.0	20	0	103	53 - 141				

ALS Houston, US Date: 09-Aug-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP
WorkOrder: HS23080325

QC BATCH REPORT

Batch ID: R443493 (0) **Instrument:** VOA9 **Method:** VOLATILES ORGANICS BY METHOD 8260C

LCS Sample ID: **VLCSW-230808** Units: **ug/L** Analysis Date: **08-Aug-2023 12:22**
Client ID: Run ID: **VOA9_443493** SeqNo: **7479397** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Carbon disulfide	35.88	2.0	40	0	89.7	64 - 133				
Carbon tetrachloride	18.47	1.0	20	0	92.3	72 - 136				
Chlorobenzene	19.81	1.0	20	0	99.1	82 - 118				
Chloroethane	18.43	1.0	20	0	92.1	60 - 138				
Chloroform	18.69	1.0	20	0	93.4	79 - 124				
Chloromethane	17.95	1.0	20	0	89.8	50 - 139				
cis-1,2-Dichloroethene	20.42	1.0	20	0	102	78 - 123				
cis-1,3-Dichloropropene	18.06	1.0	20	0	90.3	75 - 124				
Dibromochloromethane	18.91	1.0	20	0	94.6	74 - 126				
Dibromomethane	19.32	1.0	20	0	96.6	79 - 123				
Dichlorodifluoromethane	17.7	1.0	20	0	88.5	32 - 152				
Ethylbenzene	21	1.0	20	0	105	79 - 121				
Hexachlorobutadiene	27.31	1.0	20	0	137	66 - 134				S
Isopropylbenzene	22.36	1.0	20	0	112	72 - 131				
m,p-Xylene	45.85	2.0	40	0	115	80 - 121				
Methylene chloride	19.98	2.0	20	0	99.9	74 - 124				
Naphthalene	19.22	1.0	20	0	96.1	61 - 128				
n-Butylbenzene	20.48	1.0	20	0	102	75 - 128				
n-Propylbenzene	19.82	1.0	20	0	99.1	76 - 126				
o-Xylene	23	1.0	20	0	115	78 - 122				
sec-Butylbenzene	25.03	1.0	20	0	125	77 - 126				
Styrene	23.5	1.0	20	0	117	78 - 123				
tert-Butylbenzene	20.62	1.0	20	0	103	78 - 124				
Tetrachloroethene	19.15	1.0	20	0	95.7	74 - 129				
Toluene	20.11	1.0	20	0	101	80 - 121				
trans-1,2-Dichloroethene	19.21	1.0	20	0	96.0	75 - 124				
trans-1,3-Dichloropropene	18.9	1.0	20	0	94.5	73 - 127				
Trichloroethene	20.27	1.0	20	0	101	79 - 123				
Trichlorofluoromethane	19	1.0	20	0	95.0	65 - 141				
Vinyl chloride	17.23	1.0	20	0	86.1	58 - 137				
Surr: 1,2-Dichloroethane-d4	*52.32*	*1.0*	*50*	*0*	*105*	*81 - 118*				
Surr: 4-Bromofluorobenzene	*54.86*	*1.0*	*50*	*0*	*110*	*85 - 114*				
Surr: Dibromofluoromethane	*51.85*	*1.0*	*50*	*0*	*104*	*80 - 119*				
Surr: Toluene-d8	*49.64*	*1.0*	*50*	*0*	*99.3*	*89 - 112*				

ALS Houston, US Date: 09-Aug-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP
WorkOrder: HS23080325

QC BATCH REPORT

Batch ID: R443493 (0) **Instrument:** VOA9 **Method:** VOLATILES ORGANICS BY METHOD 8260C

MS Sample ID: **HS23080101-01MS** Units: **ug/L** Analysis Date: **08-Aug-2023 15:53**
Client ID: Run ID: **VOA9_443493** SeqNo: **7479405** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	20.6	1.0	20	0	103	78 - 124				
1,1,1-Trichloroethane	22.97	1.0	20	0	115	74 - 131				
1,1,2,2-Tetrachloroethane	17.83	1.0	20	0	89.2	71 - 121				
1,1,2-Trichloroethane	19.81	1.0	20	0	99.0	80 - 119				
1,1-Dichloroethane	20.5	1.0	20	0	103	77 - 125				
1,1-Dichloroethene	23.01	1.0	20	0	115	71 - 131				
1,1-Dichloropropene	23.35	1.0	20	0	117	78 - 125				
1,2,3-Trichlorobenzene	20.96	1.0	20	0	105	69 - 129				
1,2,3-Trichloropropane	18.37	1.0	20	0	91.8	73 - 122				
1,2,4-Trichlorobenzene	21.04	1.0	20	0	105	69 - 130				
1,2,4-Trimethylbenzene	24.87	1.0	20	0	124	76 - 124				S
1,2-Dibromo-3-chloropropane	18.05	1.0	20	0	90.2	62 - 128				
1,2-Dibromoethane	21.45	1.0	20	0	107	77 - 121				
1,2-Dichlorobenzene	20.35	1.0	20	0	102	80 - 119				
1,2-Dichloroethane	23.53	1.0	20	0	118	73 - 128				
1,2-Dichloropropane	20.44	1.0	20	0	102	78 - 122				
1,3,5-Trimethylbenzene	24.06	1.0	20	0	120	75 - 124				
1,3-Dichlorobenzene	20.85	1.0	20	0	104	80 - 119				
1,3-Dichloropropane	20.35	1.0	20	0	102	80 - 119				
1,4-Dichlorobenzene	19.35	1.0	20	0	96.8	79 - 118				
2,2-Dichloropropane	24.98	1.0	20	0	125	60 - 139				
2-Butanone	37.56	2.0	40	0	93.9	56 - 143				
2-Chlorotoluene	21.23	1.0	20	0	106	79 - 122				
2-Hexanone	44.8	2.0	40	0	112	57 - 139				
4-Chlorotoluene	22.64	1.0	20	0	113	78 - 122				
4-Isopropyltoluene	29.4	1.0	20	0	147	77 - 127				S
4-Methyl-2-pentanone	42.88	2.0	40	0	107	67 - 130				
Acetone	33.52	2.0	40	0	83.8	39 - 160				
Benzene	21.03	1.0	20	0	105	79 - 120				
Bromobenzene	18.8	1.0	20	0	94.0	80 - 120				
Bromochloromethane	19.43	1.0	20	0	97.1	78 - 123				
Bromodichloromethane	20.92	1.0	20	0	105	79 - 125				
Bromoform	20.4	1.0	20	0	102	66 - 130				
Bromomethane	15.15	1.0	20	0	75.8	53 - 141				

ALS Houston, US Date: 09-Aug-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP
WorkOrder: HS23080325

QC BATCH REPORT

Batch ID: R443493 (0) **Instrument:** VOA9 **Method:** VOLATILES ORGANICS BY METHOD 8260C

MS Sample ID: **HS23080101-01MS** Units: **ug/L** Analysis Date: **08-Aug-2023 15:53**
Client ID: Run ID: **VOA9_443493** SeqNo: **7479405** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Carbon disulfide	50.34	2.0	40	0	126	64 - 133				
Carbon tetrachloride	26.05	1.0	20	0	130	72 - 136				
Chlorobenzene	21	1.0	20	0	105	82 - 118				
Chloroethane	21.07	1.0	20	0	105	60 - 138				
Chloroform	20.4	1.0	20	0	102	79 - 124				
Chloromethane	20	1.0	20	0	100	50 - 139				
cis-1,2-Dichloroethene	24.7	1.0	20	3.503	106	78 - 123				
cis-1,3-Dichloropropene	18.48	1.0	20	0	92.4	75 - 124				
Dibromochloromethane	20.51	1.0	20	0	103	74 - 126				
Dibromomethane	20.64	1.0	20	0	103	79 - 123				
Dichlorodifluoromethane	21.73	1.0	20	0	109	32 - 152				
Ethylbenzene	23.06	1.0	20	0	115	79 - 121				
Hexachlorobutadiene	30.04	1.0	20	0	150	66 - 134				S
Isopropylbenzene	25.91	1.0	20	0	130	72 - 131				
m,p-Xylene	50.67	2.0	40	0	127	80 - 121				S
Methylene chloride	20.51	2.0	20	0	103	74 - 124				
Naphthalene	20.9	1.0	20	0	104	61 - 128				
n-Butylbenzene	23.04	1.0	20	0	115	75 - 128				
n-Propylbenzene	22.15	1.0	20	0	111	76 - 126				
o-Xylene	25.3	1.0	20	0	126	78 - 122				S
sec-Butylbenzene	27.75	1.0	20	0	139	77 - 126				S
Styrene	23.92	1.0	20	0	120	78 - 123				
tert-Butylbenzene	23.26	1.0	20	0	116	78 - 124				
Tetrachloroethene	23.48	1.0	20	0	117	74 - 129				
Toluene	21.94	1.0	20	0	110	80 - 121				
trans-1,2-Dichloroethene	21.43	1.0	20	0	107	75 - 124				
trans-1,3-Dichloropropene	19.28	1.0	20	0	96.4	73 - 127				
Trichloroethene	21.87	1.0	20	0	109	79 - 123				
Trichlorofluoromethane	24.51	1.0	20	0	123	65 - 141				
Vinyl chloride	21.83	1.0	20	0	109	58 - 137				
Surr: 1,2-Dichloroethane-d4	*59.48*	*1.0*	*50*	*0*	*119*	*81 - 118*				S
Surr: 4-Bromofluorobenzene	*54.07*	*1.0*	*50*	*0*	*108*	*85 - 114*				
Surr: Dibromofluoromethane	*52.66*	*1.0*	*50*	*0*	*105*	*80 - 119*				
Surr: Toluene-d8	*53.58*	*1.0*	*50*	*0*	*107*	*89 - 112*				

ALS Houston, US Date: 09-Aug-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP
WorkOrder: HS23080325

QC BATCH REPORT

Batch ID: R443493 (0) **Instrument:** VOA9 **Method:** VOLATILES ORGANICS BY METHOD 8260C

MSD Sample ID: **HS23080101-01MSD** Units: **ug/L** Analysis Date: **08-Aug-2023 16:16**
Client ID: Run ID: **VOA9_443493** SeqNo: **7479406** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	19.14	1.0	20	0	95.7	78 - 124	20.6	7.34	20	
1,1,1-Trichloroethane	20.41	1.0	20	0	102	74 - 131	22.97	11.8	20	
1,1,2,2-Tetrachloroethane	16.78	1.0	20	0	83.9	71 - 121	17.83	6.1	20	
1,1,2-Trichloroethane	18.65	1.0	20	0	93.3	80 - 119	19.81	6.01	20	
1,1-Dichloroethane	18.42	1.0	20	0	92.1	77 - 125	20.5	10.7	20	
1,1-Dichloroethene	20.53	1.0	20	0	103	71 - 131	23.01	11.4	20	
1,1-Dichloropropene	21.1	1.0	20	0	105	78 - 125	23.35	10.1	20	
1,2,3-Trichlorobenzene	20.9	1.0	20	0	104	69 - 129	20.96	0.301	20	
1,2,3-Trichloropropane	17.88	1.0	20	0	89.4	73 - 122	18.37	2.67	20	
1,2,4-Trichlorobenzene	20.72	1.0	20	0	104	69 - 130	21.04	1.5	20	
1,2,4-Trimethylbenzene	24.2	1.0	20	0	121	76 - 124	24.87	2.74	20	
1,2-Dibromo-3-chloropropane	17.3	1.0	20	0	86.5	62 - 128	18.05	4.24	20	
1,2-Dibromoethane	19.82	1.0	20	0	99.1	77 - 121	21.45	7.91	20	
1,2-Dichlorobenzene	19.34	1.0	20	0	96.7	80 - 119	20.35	5.1	20	
1,2-Dichloroethane	20.86	1.0	20	0	104	73 - 128	23.53	12	20	
1,2-Dichloropropane	18.73	1.0	20	0	93.6	78 - 122	20.44	8.75	20	
1,3,5-Trimethylbenzene	23.36	1.0	20	0	117	75 - 124	24.06	2.97	20	
1,3-Dichlorobenzene	20.06	1.0	20	0	100	80 - 119	20.85	3.84	20	
1,3-Dichloropropane	18.71	1.0	20	0	93.5	80 - 119	20.35	8.38	20	
1,4-Dichlorobenzene	19.19	1.0	20	0	96.0	79 - 118	19.35	0.84	20	
2,2-Dichloropropane	20.99	1.0	20	0	105	60 - 139	24.98	17.4	20	
2-Butanone	33.91	2.0	40	0	84.8	56 - 143	37.56	10.2	20	
2-Chlorotoluene	19.94	1.0	20	0	99.7	79 - 122	21.23	6.27	20	
2-Hexanone	41.2	2.0	40	0	103	57 - 139	44.8	8.38	20	
4-Chlorotoluene	21.43	1.0	20	0	107	78 - 122	22.64	5.52	20	
4-Isopropyltoluene	28.78	1.0	20	0	144	77 - 127	29.4	2.15	20	S
4-Methyl-2-pentanone	39.87	2.0	40	0	99.7	67 - 130	42.88	7.29	20	
Acetone	31.19	2.0	40	0	78.0	39 - 160	33.52	7.2	20	
Benzene	19.51	1.0	20	0	97.6	79 - 120	21.03	7.46	20	
Bromobenzene	19.02	1.0	20	0	95.1	80 - 120	18.8	1.19	20	
Bromochloromethane	17.85	1.0	20	0	89.3	78 - 123	19.43	8.46	20	
Bromodichloromethane	19.44	1.0	20	0	97.2	79 - 125	20.92	7.38	20	
Bromoform	18.68	1.0	20	0	93.4	66 - 130	20.4	8.83	20	
Bromomethane	10.01	1.0	20	0	50.1	53 - 141	15.15	40.8	20	SR

ALS Houston, US Date: 09-Aug-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP
WorkOrder: HS23080325

QC BATCH REPORT

Batch ID: R443493 (0) **Instrument:** VOA9 **Method:** VOLATILES ORGANICS BY METHOD 8260C

MSD Sample ID: **HS23080101-01MSD** Units: **ug/L** Analysis Date: **08-Aug-2023 16:16**
Client ID: Run ID: **VOA9_443493** SeqNo: **7479406** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Carbon disulfide	43.5	2.0	40	0	109	64 - 133	50.34	14.6	20	
Carbon tetrachloride	23.38	1.0	20	0	117	72 - 136	26.05	10.8	20	
Chlorobenzene	19.97	1.0	20	0	99.9	82 - 118	21	5.01	20	
Chloroethane	22	1.0	20	0	110	60 - 138	21.07	4.3	20	
Chloroform	18.44	1.0	20	0	92.2	79 - 124	20.4	10.1	20	
Chloromethane	16.77	1.0	20	0	83.9	50 - 139	20	17.6	20	
cis-1,2-Dichloroethene	22.12	1.0	20	3.503	93.1	78 - 123	24.7	11	20	
cis-1,3-Dichloropropene	17.66	1.0	20	0	88.3	75 - 124	18.48	4.51	20	
Dibromochloromethane	18.62	1.0	20	0	93.1	74 - 126	20.51	9.66	20	
Dibromomethane	19.99	1.0	20	0	100.0	79 - 123	20.64	3.16	20	
Dichlorodifluoromethane	18.75	1.0	20	0	93.8	32 - 152	21.73	14.7	20	
Ethylbenzene	21.62	1.0	20	0	108	79 - 121	23.06	6.45	20	
Hexachlorobutadiene	27.9	1.0	20	0	140	66 - 134	30.04	7.39	20	S
Isopropylbenzene	24.26	1.0	20	0	121	72 - 131	25.91	6.6	20	
m,p-Xylene	48.15	2.0	40	0	120	80 - 121	50.67	5.11	20	
Methylene chloride	17.92	2.0	20	0	89.6	74 - 124	20.51	13.5	20	
Naphthalene	21.54	1.0	20	0	108	61 - 128	20.9	3.02	20	
n-Butylbenzene	22.24	1.0	20	0	111	75 - 128	23.04	3.54	20	
n-Propylbenzene	20.93	1.0	20	0	105	76 - 126	22.15	5.67	20	
o-Xylene	23.48	1.0	20	0	117	78 - 122	25.3	7.48	20	
sec-Butylbenzene	26.81	1.0	20	0	134	77 - 126	27.75	3.45	20	S
Styrene	23.11	1.0	20	0	116	78 - 123	23.92	3.43	20	
tert-Butylbenzene	22.67	1.0	20	0	113	78 - 124	23.26	2.55	20	
Tetrachloroethene	22.8	1.0	20	0	114	74 - 129	23.48	2.95	20	
Toluene	20.62	1.0	20	0	103	80 - 121	21.94	6.21	20	
trans-1,2-Dichloroethene	19.23	1.0	20	0	96.2	75 - 124	21.43	10.8	20	
trans-1,3-Dichloropropene	18.34	1.0	20	0	91.7	73 - 127	19.28	5.02	20	
Trichloroethene	20.48	1.0	20	0	102	79 - 123	21.87	6.55	20	
Trichlorofluoromethane	21.23	1.0	20	0	106	65 - 141	24.51	14.3	20	
Vinyl chloride	19.13	1.0	20	0	95.6	58 - 137	21.83	13.2	20	
Surr: 1,2-Dichloroethane-d4	*54.67*	*1.0*	*50*	*0*	*109*	*81 - 118*	*59.48*	*8.42*	*20*	
Surr: 4-Bromofluorobenzene	*52.23*	*1.0*	*50*	*0*	*104*	*85 - 114*	*54.07*	*3.46*	*20*	
Surr: Dibromofluoromethane	*51.96*	*1.0*	*50*	*0*	*104*	*80 - 119*	*52.66*	*1.34*	*20*	
Surr: Toluene-d8	*52.94*	*1.0*	*50*	*0*	*106*	*89 - 112*	*53.58*	*1.19*	*20*	

ALS Houston, US Date: 09-Aug-23

Client:	Bhate Environmental Associates, Inc.
Project:	LHAAP
WorkOrder:	HS23080325

QC BATCH REPORT

Batch ID:	**R443493 (0)**	**Instrument:**	**VOA9**	**Method:**	**VOLATILES ORGANICS BY METHOD 8260C**

The following samples were analyzed in this batch: HS23080325-01 HS23080325-10

ALS Houston, US Date: 09-Aug-23

Client: Bhate Environmental Associates, Inc.
Project: LHAAP
WorkOrder: **HS23080325**

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

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087-2023	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

ALS Houston, US Date: 09-Aug-23

Sample Receipt Checklist

Work Order ID: HS23080325 **Date/Time Received:** 03-Aug-2023 09:15

Client Name: Bhate Environmental **Received by:** Corey Grandits

Completed By: /S/ Belinda Gomez (eSignature) 04-Aug-2023 12:37 (Date/Time) **Reviewed by:** /S/ James Guin (eSignature) 07-Aug-2023 16:01 (Date/Time)

Matrices: w Carrier name: FedEx

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 ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
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):	2.2uc/2.1c	ir31	
Cooler(s)/Kit(s):	47961		
Date/Time sample(s) sent to storage:	08/4/23 1240		
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: JVPC/BH.0001

1608 13th Avenue South, Suite 300
Birmingham Alabama 35205

COC Number(1):

Chain of Custody and Analytical Request

LIMS Number: ____

Facility/Base I.D.: LHAAP

Project/Site Name: LHAAP / Site 58

Client Name:

Collected by: Scott Beesinger

Field Sample ID (50 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	Dissolved Gases	TOC	Carbon Dioxide	Anions	Perchlorate	Quality Assurance Samples (6): Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
35AWW27_080223	02AUG2023	0705	-	N		WG	3	X									
TRIP BLANK	02AUG2023		-	TB		W	2	X									
			-														
			-														
			-														
			-														
			-														
			-														
			-														
			-														
			-														

HS23080325
Bhate Environmental Associates, Inc.
LHAAP

COMMENTS: STANDARD TAT

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.	Scott Beesinger	8/2/23	1330			
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: Dane Wessey 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

ALS

ORIGIN ID:SGRA (903) 930-8183
SCOTT BEESINGER
APTIM ENVIRONMENTAL & INFRASTRUCTURE
1203-B EAST GRAND AVE
PMB 202
MARSHALL, TX 75672
UNITED STATES US

SHIP DATE: 28DEC21
ACTWGT: 1.00 LB MAN
CAD: 0221247/CAFE3507
DIMS: 19x16x13 IN

TO SHIPPING DEPT
ALS LABORATORY GROUP
10450 STANCLIFF RD
SUITE 210
HOUSTON TX 77099
(281) 530-5868
REF: LHAAP-67-BQ81554-RG
RMA:

FedEx Express

FedEx.
TRK# 0221 5300 5224 2245

RETURNS MON - SAT
THU - 03 AUG AA
PRIORITY OVERNIGHT

XA SGRA

77099
TX-US
IAH

CUSTODY SEAL
Date: 8/2/23 Time: 1330
Name: Scott Beesinger
Company: B HATG

Seal Broken By:
Date:

HS23080325-MSVOA-SW8260

ALS WO# HS23080325

01226188

right solutions.
right partner.

Form 1

Organic Analysis Data Sheet

Volatiles by EPA 8260

Workorder

HS23080325

Client

Bhate Environmental Associates, Inc.

Project

LHAAP

08/10/2023

ALS Environmental–Houston Laboratory

10450 Stancliff Road, Suite 210, Houston, TX 77099

Phone (281) 530-5656 Fax (281) 530-5887

www.alsglobal.com

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP

Workorder **HS23080325**

Volatiles by EPA 8260

HS23080325-01	Collected	Received	Matrix	Basis
35AWW27_080223	08/02/23 07:05	08/03/23 09:15	Water	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
1,1,1-Trichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
1,1,2,2-Tetrachloroethane	ug/L	1.0	U	0.50	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
1,1,2-Trichloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
1,1-Dichloroethane	ug/L	2.3		0.20	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
1,1-Dichloroethene	ug/L	2.2		0.20	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
1,1-Dichloropropene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
1,2,3-Trichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
1,2,3-Trichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
1,2,4-Trichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
1,2,4-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
1,2-Dibromo-3-chloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
1,2-Dibromoethane	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
1,2-Dichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
1,2-Dichloroethane	ug/L	0.78	J	0.20	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
1,2-Dichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
1,3,5-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
1,3-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
1,3-Dichloropropane	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
1,4-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
2,2-Dichloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
2-Butanone	ug/L	2.0	U	0.50	2.0	2.0	1	08/08/23 15:08	VOA9_443493	U080812.D
2-Chlorotoluene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
2-Hexanone	ug/L	2.0	U	1.0	2.0	2.0	1	08/08/23 15:08	VOA9_443493	U080812.D
4-Chlorotoluene	ug/L	1.0	U	0.40	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
4-Isopropyltoluene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
4-Methyl-2-pentanone	ug/L	2.0	U	0.70	2.0	2.0	1	08/08/23 15:08	VOA9_443493	U080812.D
Acetone	ug/L	2.0	U	0.40	2.0	2.0	1	08/08/23 15:08	VOA9_443493	U080812.D
Benzene	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
Bromobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
Bromochloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
Bromodichloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
Bromoform	ug/L	1.0	U	0.40	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP

Workorder **HS23080325**

Volatiles by EPA 8260

HS23080325-01		Collected	Received	Matrix	Basis
35AWW27_080223		08/02/23 07:05	08/03/23 09:15	Water	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Bromomethane	ug/L	1.0	U	0.40	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
Carbon disulfide	ug/L	2.0	U	0.60	2.0	2.0	1	08/08/23 15:08	VOA9_443493	U080812.D
Carbon tetrachloride	ug/L	1.0	U	0.50	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
Chlorobenzene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
Chloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
Chloroform	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
Chloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
cis-1,2-Dichloroethene	ug/L	0.62	J	0.20	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
cis-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
Dibromochloromethane	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
Dibromomethane	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
Dichlorodifluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
Ethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
Hexachlorobutadiene	ug/L	1.0	U	1.0	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
Isopropylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
m,p-Xylene	ug/L	2.0	U	0.50	2.0	2.0	1	08/08/23 15:08	VOA9_443493	U080812.D
Methylene chloride	ug/L	2.0	U	0.40	2.0	2.0	1	08/08/23 15:08	VOA9_443493	U080812.D
Naphthalene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
n-Butylbenzene	ug/L	1.0	U	0.40	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
n-Propylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
o-Xylene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
sec-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
Styrene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
tert-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
Tetrachloroethene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
Toluene	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
trans-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
trans-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
Trichloroethene	ug/L	1.7		0.20	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
Trichlorofluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D
Vinyl chloride	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 15:08	VOA9_443493	U080812.D

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP

Workorder **HS23080325**

Volatiles by EPA 8260

HS23080325-10

Trip Blank

Collected	Received	Matrix	Basis
08/02/23 00:00	08/03/23 09:15	Water	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
1,1,1-Trichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
1,1,2,2-Tetrachloroethane	ug/L	1.0	U	0.50	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
1,1,2-Trichloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
1,1-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
1,1-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
1,1-Dichloropropene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
1,2,3-Trichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
1,2,3-Trichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
1,2,4-Trichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
1,2,4-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
1,2-Dibromo-3-chloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
1,2-Dibromoethane	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
1,2-Dichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
1,2-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
1,2-Dichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
1,3,5-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
1,3-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
1,3-Dichloropropane	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
1,4-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
2,2-Dichloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
2-Butanone	ug/L	2.0	U	0.50	2.0	2.0	1	08/08/23 14:24	VOA9_443493	U080810.D
2-Chlorotoluene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
2-Hexanone	ug/L	2.0	U	1.0	2.0	2.0	1	08/08/23 14:24	VOA9_443493	U080810.D
4-Chlorotoluene	ug/L	1.0	U	0.40	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
4-Isopropyltoluene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
4-Methyl-2-pentanone	ug/L	2.0	U	0.70	2.0	2.0	1	08/08/23 14:24	VOA9_443493	U080810.D
Acetone	ug/L	2.0	U	0.40	2.0	2.0	1	08/08/23 14:24	VOA9_443493	U080810.D
Benzene	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
Bromobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
Bromochloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
Bromodichloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
Bromoform	ug/L	1.0	U	0.40	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP

Workorder **HS23080325**

Volatiles by EPA 8260

HS23080325-10

Trip Blank

Collected	Received	Matrix	Basis
08/02/23 00:00	08/03/23 09:15	Water	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Bromomethane	ug/L	1.0	U	0.40	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
Carbon disulfide	ug/L	2.0	U	0.60	2.0	2.0	1	08/08/23 14:24	VOA9_443493	U080810.D
Carbon tetrachloride	ug/L	1.0	U	0.50	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
Chlorobenzene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
Chloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
Chloroform	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
Chloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
cis-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
cis-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
Dibromochloromethane	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
Dibromomethane	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
Dichlorodifluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
Ethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
Hexachlorobutadiene	ug/L	1.0	U	1.0	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
Isopropylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
m,p-Xylene	ug/L	2.0	U	0.50	2.0	2.0	1	08/08/23 14:24	VOA9_443493	U080810.D
Methylene chloride	ug/L	2.0	U	0.40	2.0	2.0	1	08/08/23 14:24	VOA9_443493	U080810.D
Naphthalene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
n-Butylbenzene	ug/L	1.0	U	0.40	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
n-Propylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
o-Xylene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
sec-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
Styrene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
tert-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
Tetrachloroethene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
Toluene	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
trans-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
trans-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
Trichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
Trichlorofluoromethane	ug/L	0.96	J	0.30	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D
Vinyl chloride	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 14:24	VOA9_443493	U080810.D

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP

Workorder **HS23080325**

Volatiles by EPA 8260

VBLKW-230808	Collected	Received	Matrix	Basis
VBLKW-230808	NA	NA	Aqueous	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
1,1,1,2-Tetrachloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
1,1,1-Trichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
1,1,2,2-Tetrachloroethane	ug/L	1.0	U	0.50	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
1,1,2-Trichloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
1,1-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
1,1-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
1,1-Dichloropropene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
1,2,3-Trichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
1,2,3-Trichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
1,2,4-Trichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
1,2,4-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
1,2-Dibromo-3-chloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
1,2-Dibromoethane	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
1,2-Dichlorobenzene	ug/L	1.0	U	0.50	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
1,2-Dichloroethane	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
1,2-Dichloropropane	ug/L	1.0	U	0.50	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
1,3,5-Trimethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
1,3-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
1,3-Dichloropropane	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
1,4-Dichlorobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
2,2-Dichloropropane	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
2-Butanone	ug/L	2.0	U	0.50	2.0	2.0	1	08/08/23 13:17	VOA9_443493	U080807.D
2-Chlorotoluene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
2-Hexanone	ug/L	2.0	U	1.0	2.0	2.0	1	08/08/23 13:17	VOA9_443493	U080807.D
4-Chlorotoluene	ug/L	1.0	U	0.40	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
4-Isopropyltoluene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
4-Methyl-2-pentanone	ug/L	2.0	U	0.70	2.0	2.0	1	08/08/23 13:17	VOA9_443493	U080807.D
Acetone	ug/L	2.0	U	0.40	2.0	2.0	1	08/08/23 13:17	VOA9_443493	U080807.D
Benzene	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
Bromobenzene	ug/L	1.0	U	0.40	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
Bromochloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
Bromodichloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
Bromoform	ug/L	1.0	U	0.40	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D

Form 1 - Organic Analysis Data Sheet

Client Bhate Environmental Associates, Inc.

Project LHAAP

Workorder **HS23080325**

Volatiles by EPA 8260

VBLKW-230808	Collected	Received	Matrix	Basis
VBLKW-230808	NA	NA	Aqueous	Wet

Analyte	Units	Result	Q	DL	LOD	LOQ	DF	Analysis Date	Run ID	DataFile
Bromomethane	ug/L	1.0	U	0.40	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
Carbon disulfide	ug/L	2.0	U	0.60	2.0	2.0	1	08/08/23 13:17	VOA9_443493	U080807.D
Carbon tetrachloride	ug/L	1.0	U	0.50	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
Chlorobenzene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
Chloroethane	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
Chloroform	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
Chloromethane	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
cis-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
cis-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
Dibromochloromethane	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
Dibromomethane	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
Dichlorodifluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
Ethylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
Hexachlorobutadiene	ug/L	1.0	U	1.0	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
Isopropylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
m,p-Xylene	ug/L	2.0	U	0.50	2.0	2.0	1	08/08/23 13:17	VOA9_443493	U080807.D
Methylene chloride	ug/L	2.0	U	0.40	2.0	2.0	1	08/08/23 13:17	VOA9_443493	U080807.D
Naphthalene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
n-Butylbenzene	ug/L	1.0	U	0.40	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
n-Propylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
o-Xylene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
sec-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
Styrene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
tert-Butylbenzene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
Tetrachloroethene	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
Toluene	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
trans-1,2-Dichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
trans-1,3-Dichloropropene	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
Trichloroethene	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
Trichlorofluoromethane	ug/L	1.0	U	0.30	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D
Vinyl chloride	ug/L	1.0	U	0.20	1.0	1.0	1	08/08/23 13:17	VOA9_443493	U080807.D

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Form 2

System Monitoring Compound Recovery

Volatiles by EPA 8260

Workorder

HS23080325

Client

Bhate Environmental Associates, Inc.

Project

LHAAP

08/10/2023

ALS Environmental–Houston Laboratory
10450 Stancliff Road, Suite 210, Houston, TX 77099
Phone (281) 530-5656 Fax (281) 530-5887
www.alsglobal.com

Form 2 - System Monitoring Compound Recovery

Client Bhate Environmental Associates, Inc.

Project LHAAP

Workorder HS23080325

RunID VOA9-443493

Volatiles by EPA 8260

CCB-CCB	Analyzed	Conc Units	Dilution
CCB	08/08/23	%REC	1

Surrogate	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	55.27	50	111		80-120
4-Bromofluorobenzene	49.16	50	98.3		80-120
Dibromofluoromethane	50.22	50	100		80-120
Toluene-d8	52.78	50	106		80-120

CCV-CCV	Analyzed	Conc Units	Dilution
CCV	08/08/23	%REC	1

Surrogate	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	53.61	50	107		80-120
4-Bromofluorobenzene	54.77	50	110		80-120
Dibromofluoromethane	53.03	50	106		80-120
Toluene-d8	48.16	50	96.3		80-120

HS23080101-01MS	Analyzed	Conc Units	Dilution
BatchQC	08/08/23	%REC	1

Surrogate	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	59.48	50	119		81-118
4-Bromofluorobenzene	54.07	50	108		85-114
Dibromofluoromethane	52.66	50	105		80-119
Toluene-d8	53.58	50	107		89-112

Form 2 - System Monitoring Compound Recovery

Client Bhate Environmental Associates, Inc.

Project LHAAP

Workorder HS23080325

RunID VOA9-443493

Volatiles by EPA 8260

HS23080101-01MSD	Analyzed	Conc Units	Dilution
BatchQC	08/08/23	%REC	1

Surrogate	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	54.67	50	109		81-118
4-Bromofluorobenzene	52.23	50	104		85-114
Dibromofluoromethane	51.96	50	104		80-119
Toluene-d8	52.94	50	106		89-112

HS23080325-01	Analyzed	Conc Units	Dilution
35AWW27_080223	08/08/23	%REC	1

Surrogate	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	56	50	112		81-118
4-Bromofluorobenzene	47	50	94.3		85-114
Dibromofluoromethane	52	50	104		80-119
Toluene-d8	52	50	104		89-112

HS23080325-10	Analyzed	Conc Units	Dilution
Trip Blank	08/08/23	%REC	1

Surrogate	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	55	50	110		81-118
4-Bromofluorobenzene	47	50	94.3		85-114
Dibromofluoromethane	51	50	102		80-119
Toluene-d8	53	50	105		89-112

Form 2 - System Monitoring Compound Recovery

Client Bhate Environmental Associates, Inc.

Project LHAAP

Workorder HS23080325

RunID VOA9-443493

Volatiles by EPA 8260

VBLKW-230808	Analyzed	Conc Units	Dilution
VBLKW-230808	08/08/23	%REC	1

Surrogate	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	58.64	50	117		81-118
4-Bromofluorobenzene	47.65	50	95.3		85-114
Dibromofluoromethane	49.74	50	99.5		80-119
Toluene-d8	52.57	50	105		89-112

VLCSW-230808	Analyzed	Conc Units	Dilution
VLCSW-230808	08/08/23	%REC	1

Surrogate	Result Conc	Spike Conc	%Recovery	Q	%Recovery Limits
1,2-Dichloroethane-d4	52.32	50	105		81-118
4-Bromofluorobenzene	54.86	50	110		85-114
Dibromofluoromethane	51.85	50	104		80-119
Toluene-d8	49.64	50	99.3		89-112

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Form 3A

Matrix Spike/Spike Duplicate Recovery

Volatiles by EPA 8260

Workorder

HS23080325

Client

Bhate Environmental Associates, Inc.

Project

LHAAP

08/10/2023

ALS Environmental–Houston Laboratory
10450 Stancliff Road, Suite 210, Houston, TX 77099
Phone (281) 530-5656 Fax (281) 530-5887
www.alsglobal.com

Form 3A - Matrix Spike/Spike Duplicate Recovery

Client Bhate Environmental Associates, Inc.

Project LHAAP

Workorder **HS23080325**

RunID VOA9-443493

Volatiles by EPA 8260

BatchQC (HS23080101-01)				HS23080101-01MS				HS23080101-01MSD						
Sample Matrix: Aqueous			Run Date	08/08/23				08/08/23						
Result Units: ug/L			Run Time	15:53				16:16						
			Data File	U080814.D				U080815.D						
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	20.6	20	103		19.14	20	96		20	7.34	
1,1,1-Trichloroethane	74-131	1	0	22.97	20	115		20.41	20	102		20	11.8	
1,1,2,2-Tetrachloroethane	71-121	1	0	17.83	20	89		16.78	20	84		20	6.1	
1,1,2-Trichloroethane	80-119	1	0	19.81	20	99		18.65	20	93		20	6.01	
1,1-Dichloroethane	77-125	1	0	20.5	20	103		18.42	20	92		20	10.7	
1,1-Dichloroethene	71-131	1	0	23.01	20	115		20.53	20	103		20	11.4	
1,1-Dichloropropene	78-125	1	0	23.35	20	117		21.1	20	105		20	10.1	
1,2,3-Trichlorobenzene	69-129	1	0	20.96	20	105		20.9	20	104		20	0.301	
1,2,3-Trichloropropane	73-122	1	0	18.37	20	92		17.88	20	89		20	2.67	
1,2,4-Trichlorobenzene	69-130	1	0	21.04	20	105		20.72	20	104		20	1.5	
1,2,4-Trimethylbenzene	76-124	1	0	24.87	20	124		24.2	20	121		20	2.74	
1,2-Dibromo-3-chloropropane	62-128	1	0	18.05	20	90		17.3	20	86		20	4.24	
1,2-Dibromoethane	77-121	1	0	21.45	20	107		19.82	20	99		20	7.91	
1,2-Dichlorobenzene	80-119	1	0	20.35	20	102		19.34	20	97		20	5.1	
1,2-Dichloroethane	73-128	1	0	23.53	20	118		20.86	20	104		20	12	
1,2-Dichloropropane	78-122	1	0	20.44	20	102		18.73	20	94		20	8.75	
1,3,5-Trimethylbenzene	75-124	1	0	24.06	20	120		23.36	20	117		20	2.97	
1,3-Dichlorobenzene	80-119	1	0	20.85	20	104		20.06	20	100		20	3.84	
1,3-Dichloropropane	80-119	1	0	20.35	20	102		18.71	20	94		20	8.38	
1,4-Dichlorobenzene	79-118	1	0	19.35	20	97		19.19	20	96		20	0.84	
2,2-Dichloropropane	60-139	1	0	24.98	20	125		20.99	20	105		20	17.4	
2-Butanone	56-143	1	0	37.56	40	94		33.91	40	85		20	10.2	
2-Chlorotoluene	79-122	1	0	21.23	20	106		19.94	20	100		20	6.27	
2-Hexanone	57-139	1	0	44.8	40	112		41.2	40	103		20	8.38	
4-Chlorotoluene	78-122	1	0	22.64	20	113		21.43	20	107		20	5.52	
4-Isopropyltoluene	77-127	1	0	29.4	20	147		28.78	20	144		20	2.15	
4-Methyl-2-pentanone	67-130	1	0	42.88	40	107		39.87	40	100		20	7.29	
Acetone	39-160	1	0	33.52	40	84		31.19	40	78		20	7.2	
Benzene	79-120	1	0	21.03	20	105		19.51	20	98		20	7.46	
Bromobenzene	80-120	1	0	18.8	20	94		19.02	20	95		20	1.19	
Bromochloromethane	78-123	1	0	19.43	20	97		17.85	20	89		20	8.46	
Bromodichloromethane	79-125	1	0	20.92	20	105		19.44	20	97		20	7.38	
Bromoform	66-130	1	0	20.4	20	102		18.68	20	93		20	8.83	
Bromomethane	53-141	1	0	15.15	20	76		10.01	20	50		20	40.8	

Q - %Recovery / RPD Flag * - %Recovery / RPD Outside Limits OL - Outside Limits %R - %Recovery DF - Dilution Factor Amt - Amount (weight or volume)

Form 3A - Matrix Spike/Spike Duplicate Recovery

Client Bhate Environmental Associates, Inc.

Project LHAAP

Workorder **HS23080325**

RunID VOA9-443493

Volatiles by EPA 8260

BatchQC (HS23080101-01)				HS23080101-01MS				HS23080101-01MSD						
Sample Matrix: Aqueous			Run Date	08/08/23				08/08/23						
Result Units: ug/L			Run Time	15:53				16:16						
			Data File	U080814.D				U080815.D						
Analyte	%R Limits	DF	Sample Result	MS Result	Spike Added	%R	Q	MSD Result	Spike Added	%R	Q	RPD Limit	RPD	Q
Carbon disulfide	64-133	1	0	50.34	40	126		43.5	40	109		20	14.6	
Carbon tetrachloride	72-136	1	0	26.05	20	130		23.38	20	117		20	10.8	
Chlorobenzene	82-118	1	0	21	20	105		19.97	20	100		20	5.01	
Chloroethane	60-138	1	0	21.07	20	105		22	20	110		20	4.3	
Chloroform	79-124	1	0	20.4	20	102		18.44	20	92		20	10.1	
Chloromethane	50-139	1	0	20	20	100		16.77	20	84		20	17.6	
cis-1,2-Dichloroethene	78-123	1	3.503	24.7	20	106		22.12	20	93		20	11	
cis-1,3-Dichloropropene	75-124	1	0	18.48	20	92		17.66	20	88		20	4.51	
Dibromochloromethane	74-126	1	0	20.51	20	103		18.62	20	93		20	9.66	
Dibromomethane	79-123	1	0	20.64	20	103		19.99	20	100		20	3.16	
Dichlorodifluoromethane	32-152	1	0	21.73	20	109		18.75	20	94		20	14.7	
Ethylbenzene	79-121	1	0	23.06	20	115		21.62	20	108		20	6.45	
Hexachlorobutadiene	66-134	1	0	30.04	20	150		27.9	20	140		20	7.39	
Isopropylbenzene	72-131	1	0	25.91	20	130		24.26	20	121		20	6.6	
m,p-Xylene	80-121	1	0	50.67	40	127		48.15	40	120		20	5.11	
Methylene chloride	74-124	1	0	20.51	20	103		17.92	20	90		20	13.5	
Naphthalene	61-128	1	0	20.9	20	104		21.54	20	108		20	3.02	
n-Butylbenzene	75-128	1	0	23.04	20	115		22.24	20	111		20	3.54	
n-Propylbenzene	76-126	1	0	22.15	20	111		20.93	20	105		20	5.67	
o-Xylene	78-122	1	0	25.3	20	126		23.48	20	117		20	7.48	
sec-Butylbenzene	77-126	1	0	27.75	20	139		26.81	20	134		20	3.45	
Styrene	78-123	1	0	23.92	20	120		23.11	20	116		20	3.43	
tert-Butylbenzene	78-124	1	0	23.26	20	116		22.67	20	113		20	2.55	
Tetrachloroethene	74-129	1	0	23.48	20	117		22.8	20	114		20	2.95	
Toluene	80-121	1	0	21.94	20	110		20.62	20	103		20	6.21	
trans-1,2-Dichloroethene	75-124	1	0	21.43	20	107		19.23	20	96		20	10.8	
trans-1,3-Dichloropropene	73-127	1	0	19.28	20	96		18.34	20	92		20	5.02	
Trichloroethene	79-123	1	0	21.87	20	109		20.48	20	102		20	6.55	
Trichlorofluoromethane	65-141	1	0	24.51	20	123		21.23	20	106		20	14.3	
Vinyl chloride	58-137	1	0	21.83	20	109		19.13	20	96		20	13.2	

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 8260

Workorder

HS23080325

Client

Bhate Environmental Associates, Inc.

Project

LHAAP

08/10/2023

ALS Environmental–Houston Laboratory

10450 Stancliff Road, Suite 210, Houston, TX 77099

Phone (281) 530-5656 Fax (281) 530-5887

www.alsglobal.com

Form 3B - Laboratory Control Sample Recovery

Client Bhate Environmental Associates, Inc.

Project LHAAP

Workorder
HS23080325

SAMPLENUM
VLCSW-230808

Volatiles by EPA 8260

VOA9_443493			VLCSW-230808			
Spike Matrix	Aqueous	**Run Date**	08/08/23			
Result Units	ug/L	**Run Time**	12:22			
		Data File	U080805.D			
Analyte	%Recovery Limits	Spike Added	LCS Result	%R	Q	
1,1,1,2-Tetrachloroethane	78-124	20	18.73	94		
1,1,1-Trichloroethane	74-131	20	19.01	95		
1,1,2,2-Tetrachloroethane	71-121	20	18.1	90		
1,1,2-Trichloroethane	80-119	20	18.9	94		
1,1-Dichloroethane	77-125	20	18.67	93		
1,1-Dichloroethene	71-131	20	19.81	99		
1,1-Dichloropropene	78-125	20	19.83	99		
1,2,3-Trichlorobenzene	69-129	20	20.32	102		
1,2,3-Trichloropropane	73-122	20	18.52	93		
1,2,4-Trichlorobenzene	69-130	20	20.67	103		
1,2,4-Trimethylbenzene	76-124	20	22.33	112		
1,2-Dibromo-3-chloropropane	62-128	20	18.22	91		
1,2-Dibromoethane	77-121	20	20.18	101		
1,2-Dichlorobenzene	80-119	20	19.95	100		
1,2-Dichloroethane	73-128	20	20.4	102		
1,2-Dichloropropane	78-122	20	18.99	95		
1,3,5-Trimethylbenzene	75-124	20	21.79	109		
1,3-Dichlorobenzene	80-119	20	19.82	99		
1,3-Dichloropropane	80-119	20	19.09	96		
1,4-Dichlorobenzene	79-118	20	19.28	96		
2,2-Dichloropropane	60-139	20	20.23	101		
2-Butanone	56-143	40	36.86	92		
2-Chlorotoluene	79-122	20	20.57	103		
2-Hexanone	57-139	40	38.93	97		
4-Chlorotoluene	78-122	20	20.88	104		
4-Isopropyltoluene	77-127	20	26.38	132		
4-Methyl-2-pentanone	67-130	40	38.55	96		
Acetone	39-160	40	40.87	102		
Benzene	79-120	20	19.71	99		
Bromobenzene	80-120	20	19.34	97		
Bromochloromethane	78-123	20	18.6	93		
Bromodichloromethane	79-125	20	19.06	95		
Bromoform	66-130	20	18.72	94		
Bromomethane	53-141	20	20.61	103		

Q - %Recovery / RPD Flag * - %Recovery / RPD Outside Limits %R - %Recovery DF - Dilution Factor Amt - Amount (weight or volume)

Form 3B - Laboratory Control Sample Recovery

Client Bhate Environmental Associates, Inc.

Project LHAAP

Workorder
HS23080325

SAMPLENUM
VLCSW-230808

Volatiles by EPA 8260

VOA9_443493			VLCSW-230808			
Spike Matrix	Aqueous	**Run Date**	08/08/23			
Result Units	ug/L	**Run Time**	12:22			
		Data File	U080805.D			
Analyte	%Recovery Limits	Spike Added	LCS Result	%R	Q	
Carbon disulfide	64-133	40	35.88	90		
Carbon tetrachloride	72-136	20	18.47	92		
Chlorobenzene	82-118	20	19.81	99		
Chloroethane	60-138	20	18.43	92		
Chloroform	79-124	20	18.69	93		
Chloromethane	50-139	20	17.95	90		
cis-1,2-Dichloroethene	78-123	20	20.42	102		
cis-1,3-Dichloropropene	75-124	20	18.06	90		
Dibromochloromethane	74-126	20	18.91	95		
Dibromomethane	79-123	20	19.32	97		
Dichlorodifluoromethane	32-152	20	17.7	88		
Ethylbenzene	79-121	20	21	105		
Hexachlorobutadiene	66-134	20	27.31	137		
Isopropylbenzene	72-131	20	22.36	112		
m,p-Xylene	80-121	40	45.85	115		
Methylene chloride	74-124	20	19.98	100		
Naphthalene	61-128	20	19.22	96		
n-Butylbenzene	75-128	20	20.48	102		
n-Propylbenzene	76-126	20	19.82	99		
o-Xylene	78-122	20	23	115		
sec-Butylbenzene	77-126	20	25.03	125		
Styrene	78-123	20	23.5	117		
tert-Butylbenzene	78-124	20	20.62	103		
Tetrachloroethene	74-129	20	19.15	96		
Toluene	80-121	20	20.11	101		
trans-1,2-Dichloroethene	75-124	20	19.21	96		
trans-1,3-Dichloropropene	73-127	20	18.9	94		
Trichloroethene	79-123	20	20.27	101		
Trichlorofluoromethane	65-141	20	19	95		
Vinyl chloride	58-137	20	17.23	86		

Q - %Recovery / RPD Flag * - %Recovery / RPD Outside Limits %R - %Recovery DF - Dilution Factor Amt - Amount (weight or volume)

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Form 4

Method Blank Summary

Volatiles by EPA 8260

Workorder

HS23080325

Client

Bhate Environmental Associates, Inc.

Project

LHAAP

08/10/2023

ALS Environmental–Houston Laboratory
10450 Stancliff Road, Suite 210, Houston, TX 77099
Phone (281) 530-5656 Fax (281) 530-5887
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Form 4 - Method Blank Summary

Client Bhate Environmental Associates, Inc.

Project LHAAP

Workorder
HS23080325

Volatiles by EPA 8260

Client Sample ID	Type	Lab Sample ID	File ID	Date Analyzed	Run ID
METHOD BLANK	MBLK	VBLKW-230808	U080807.D	08/08/23 13:17	VOA9_443493
VLCSW-230808	LCS	VLCSW-230808	U080805.D	08/08/23 12:22	VOA9_443493
Trip Blank	SAMP	HS23080325-10	U080810.D	08/08/23 14:24	VOA9_443493
35AWW27_080223	SAMP	HS23080325-01	U080812.D	08/08/23 15:08	VOA9_443493
BatchQC	MS	HS23080101-01MS	U080814.D	08/08/23 15:53	VOA9_443493
BatchQC	MSD	HS23080101-01MSD	U080815.D	08/08/23 16:16	VOA9_443493

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Form 5

Instrument Performance Check

Volatiles by EPA 8260

Workorder

HS23080325

Client

Bhate Environmental Associates, Inc.

Project

LHAAP

08/10/2023

ALS Environmental–Houston Laboratory

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Form 5 - Instrument Performance Check

Client Bhate Environmental Associates, Inc.

Project LHAAP

Workorder
HS23080325

RunID
VOA9-442900

Volatiles by EPA 8260

Tune File U073101.D 07/31/23 7/31/2023

m / e	Ion Abundance Criterion	%RA
50	15.0 - 40.0% of mass 95	17.8 (17.8)
75	30.0 - 60.0% of mass 95	46.1 (46.1)
95	Base peak, 100% RA	100 (92.7)
96	5.0 - 9.0% of mass 95	7.1 (7.06)
173	Less than 2.0% of mass 174	0 (0) 1
174	50.0 - 120.0% of mass 95	107.9 (108)
175	4.0 - 9.0% of mass 174	9.6 (8.88) 1
176	93.0 - 101.0% of mass 174	102.5 (95) 1
177	5.0 - 9.0% of mass 176	6.4 (6.2) 2

%RA - Percent Relative Abundance

This check applies to the following analyses

	Lab Samp ID	Type	Date Analyzed	Lab File ID	Sample ID
1	VSTD000.25	ICAL1	7/31/2023	U073102	VSTD000.25
2	VSTD000.5	ICAL2	7/31/2023	U073103	VSTD000.5
3	VSTD001	ICAL3	7/31/2023	U073104	VSTD001
4	VSTD002	ICAL4	7/31/2023	U073105	VSTD002
5	VSTD005	ICAL5	7/31/2023	U073106	VSTD005
6	VSTD020	ICAL6	7/31/2023	U073107	VSTD020
7	VSTD050	ICAL7	7/31/2023	U073108	VSTD050
8	VSTD100	ICAL8	7/31/2023	U073109	VSTD100
9	VSTD150	ICAL9	7/31/2023	U073110	VSTD150
10	VSTD200	ICAL	7/31/2023	U073111	VSTD200
11	CCV	ICV	7/31/2023	U073113	CCV

Form 5 - Instrument Performance Check

Client Bhate Environmental Associates, Inc.

Project LHAAP

Workorder
HS23080325

RunID
VOA9-443493

Volatiles by EPA 8260

Tune File U080801.D 08/08/23 8/8/2023

m / e	Ion Abundance Criterion	%RA
50	15.0 - 40.0% of mass 95	18.1 (18.1)
75	30.0 - 60.0% of mass 95	48 (48)
95	Base peak, 100% RA	100 (100)
96	5.0 - 9.0% of mass 95	6.7 (6.73)
173	Less than 2.0% of mass 174	0 (0) 1
174	50.0 - 120.0% of mass 95	93.5 (93.5)
175	4.0 - 9.0% of mass 174	8.2 (8.77) 1
176	93.0 - 101.0% of mass 174	90.6 (96.8) 1
177	5.0 - 9.0% of mass 176	6.3 (6.93) 2

%RA - Percent Relative Abundance

This check applies to the following analyses

	Lab Samp ID	Type	Date Analyzed	Lab File ID	Sample ID
1	CCV	CCV	8/8/2023	U080803	CCV
2	CCB	CCB	8/8/2023	U080804	CCB
3	VLCSW-	LCS	8/8/2023	U080805	VLCSW-230808
4	VBLKW-	MBLK	8/8/2023	U080807	VBLKW-230808
5	HS23080325-	SAMP	8/8/2023	U080810	Trip Blank
6	HS23080325-	SAMP	8/8/2023	U080812	35AWW27_080223
7	HS23080101-	MS	8/8/2023	U080814	ZZZZZZMS
8	HS23080101-	MSD	8/8/2023	U080815	ZZZZZZMSD
9	CCV-END	CCV_EN	8/8/2023	U080816	CCV-END

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Form 6

Initial Calibration Data

Volatiles by EPA 8260

Workorder

HS23080325

Client

Bhate Environmental Associates, Inc.

Project

LHAAP

08/10/2023

ALS Environmental–Houston Laboratory

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Initial Calibration Data

Client Bhate Environmental Associates, Inc.

Project LHAAP

Workorder HS23080325

RunID VOA9_442900

Volatiles by EPA 8260

Compound	50.00 Level 7 0.250 Level 1	100.00 Level 8 0.500 Level 2	150.00 Level 9 1.00 Level 3	200.00 Level 10 2.00 Level 4	5.00 Level 5	20.00 Level 6	Curve	b	m1	m2	%RSD or R2	Q
Dichlorodifluoromethane	NE 210687	2205 539886	5086 807250	8215 NE	23279	89461	LINR	0.02514	0.49095		0.99596	
Chloromethane	NE 290271	3690 647562	7212 961975	13283 NE	32235	122049	LINR	-0.00694	0.58276		0.99863	
Propionitrile	NE 0.05920	0.06307 0.05653	0.06268 0.05813	0.06102 0.05750	0.06035	0.05576	AVRG		0.05936		4.39631	
Vinyl Chloride	NE 0.44199	0.52506 0.52401	0.47388 0.51500	0.47851 0.49411	0.51863	0.45941	AVRG		0.49229		6.19206	
Bromomethane	NE 140100	1966 279477	3816 430983	6564 NE	17093	63845	LINR	-0.03282	0.25698		0.99936	
Chloroethane	NE 0.27035	0.37431 0.30775	0.33985 0.30347	0.28297 0.29201	0.32412	0.29522	AVRG		0.31000		10.27664	
Trichlorofluoromethane	NE 0.53470	0.64643 0.66656	0.63114 0.63600	0.56594 0.57349	0.64725	0.56680	AVRG		0.60759		7.76235	
Acrolein	NE 0.02882	0.03215 0.03427	0.03340 0.03565	0.03302 0.03384	0.02661	0.03089	AVRG		0.03207		8.90555	
Acetone	NE 169500	6516 334973	8968 501220	11936 658218	23014	78782	LINR	-0.16350	0.14465		0.99841	
1,1-Dichloroethene	NE 0.29942	0.34451 0.35322	0.33466 0.35352	0.30265 0.33279	0.33516	0.30888	AVRG		0.32942		6.33610	

NE - Not Evaluated, AVRG - Averaged, LINR - Linear Regression, WLIN - Weighted Linear, QUAD - Quadratic, * - Curve Fit Outside Limits

Initial Calibration Data

Client Bhate Environmental Associates, Inc.

Project LHAAP

Workorder HS23080325

RunID VOA9_442900

Volatiles by EPA 8260

ICAL Summary Page 2 / 12

Compound	50.00 Level 7 0.250 Level 1	100.00 Level 8 0.500 Level 2	150.00 Level 9 1.00 Level 3	200.00 Level 10 2.00 Level 4	5.00 Level 5	20.00 Level 6	Curve	b	m1	m2	%RSD or R2	Q
Isobutyl Alcohol	NE 0.07075	0.07585 0.07282	0.06530 0.07358	0.06847 0.07319	0.06729	0.07010	AVRG		0.07082		4.77779	
Acetonitrile	NE 0.04699	0.04927 0.04814	0.04499 0.04825	0.04391 0.04486	0.04308	0.04618	AVRG		0.04619		4.60862	
Allyl Chloride	NE 1.02535	1.24878 1.02699	1.06135 1.04778	1.07336 1.00871	1.00380	0.99845	AVRG		1.05495		7.31219	
Iodomethane	NE 293634	3031 790175	4529 1298909	7768 NE	21659	100586	QUAD	0.06825	3.23212	-0.30725	0.99692	
Acrylonitrile	NE 0.15779	0.15607 0.15385	0.17195 0.15846	0.14876 0.15505	0.16007	0.15249	AVRG		0.15717		4.13652	
Methylene Chloride	NE 200746	2838 426614	5208 668149	8023 909993	23329	81979	LINR	-0.00390	0.39861		0.99989	
Methyl tert-butyl ether	NE 1.00589	1.11528 0.99922	1.00979 1.03321	1.00823 1.02447	0.99548	0.97212	AVRG		1.01819		3.96067	
Carbon Disulfide	NE 0.87704	1.07525 1.02249	0.97784 1.01480	0.87475 0.96521	0.93088	0.89282	AVRG		0.95901		7.37684	
trans-1,2-Dichloroethene	NE 0.33331	0.43393 0.36477	0.41018 0.36922	0.34724 0.35733	0.36355	0.34287	AVRG		0.36916		8.84309	
Vinyl Acetate	NE 1.05109	1.15318 1.09251	1.06270 1.11198	0.94926 1.09070	1.01178	0.98515	AVRG		1.05648		6.12959	
1,1-Dichloroethane	NE 0.58774	0.79526 0.64636	0.74609 0.65230	0.69459 0.62928	0.70116	0.61997	AVRG		0.67475		9.75374	
Chloroprene	NE 0.12012	0.13733 0.15273	0.11339 0.15161	0.10844 0.13850	0.13528	0.12231	AVRG		0.13108		12.13689	

NE - Not Evaluated, AVRG - Averaged, LINR - Linear Regression, WLIN - Weighted Linear, QUAD - Quadratic, * - Curve Fit Outside Limits

Initial Calibration Data

Client Bhate Environmental Associates, Inc.

Project LHAAP

Workorder HS23080325

RunID VOA9_442900

Volatiles by EPA 8260

ICAL Summary Page 3 / 12

Compound	50.00 Level 7 0.250 Level 1	100.00 Level 8 0.500 Level 2	150.00 Level 9 1.00 Level 3	200.00 Level 10 2.00 Level 4	5.00 Level 5	20.00 Level 6	Curve	b	m1	m2	%RSD or R2	Q
2-Butanone	NE 0.17711	0.22782 0.17835	0.21562 0.17956	0.23512 0.17282	0.19756	0.18390	AVRG		0.19643		12.14292	
Methacrylonitrile	NE 0.27383	0.30192 0.27396	0.32895 0.29187	0.27086 0.26364	0.26267	0.25948	AVRG		0.28080		8.12023	
2,2-Dichloropropane	NE 0.43156	0.45075 0.49526	0.50770 0.49454	0.41978 0.46743	0.46872	0.45135	AVRG		0.46523		6.44052	
cis-1,2-Dichloroethene	NE 0.38456	0.44351 0.41841	0.38487 0.41562	0.42571 0.41037	0.41943	0.40614	AVRG		0.41207		4.55319	
Chloroform	NE 0.71008	0.92961 0.76241	0.81061 0.75821	0.81039 0.73078	0.79494	0.76000	AVRG		0.78523		8.14411	
Bromochloromethane	NE 0.22001	0.25444 0.23714	0.26287 0.24180	0.27742 0.21850	0.24920	0.23313	AVRG		0.24383		7.94854	
1,1,1-Trichloroethane	NE 0.55252	0.65643 0.65158	0.62316 0.63910	0.60775 0.60135	0.59613	0.57008	AVRG		0.61090		5.80673	
1,1-Dichloropropene	NE 0.32875	0.40730 0.40402	0.38489 0.39284	0.32532 0.36621	0.37601	0.35612	AVRG		0.37127		8.09057	
1,2-Dichloroethane	NE 0.41193	0.47818 0.42517	0.42119 0.41679	0.42915 0.40499	0.45883	0.42895	AVRG		0.43057		5.43320	
Carbon Tetrachloride	NE 0.29491	0.38160 0.38417	0.29089 0.37634	0.31260 0.34365	0.31185	0.29742	AVRG		0.33260		11.80148	
Benzene	NE 1.12474	1.37619 1.22368	1.26965 1.20168	1.18628 1.15723	1.27860	1.17437	AVRG		1.22138		6.26624	
Trichloroethene	NE 0.31077	0.39657 0.35516	0.32583 0.35154	0.35876 0.33530	0.34686	0.32606	AVRG		0.34521		7.23446	

NE - Not Evaluated, AVRG - Averaged, LINR - Linear Regression, WLIN - Weighted Linear, QUAD - Quadratic, * - Curve Fit Outside Limits

Initial Calibration Data

Client Bhate Environmental Associates, Inc.

Project LHAAP

Workorder HS23080325

RunID VOA9_442900

Volatiles by EPA 8260

ICAL Summary Page 4 / 12

Compound	50.00 Level 7 0.250 Level 1	100.00 Level 8 0.500 Level 2	150.00 Level 9 1.00 Level 3	200.00 Level 10 2.00 Level 4	5.00 Level 5	20.00 Level 6	Curve	b	m1	m2	%RSD or R2	Q
Bromodichloromethane	NE 0.37102	0.39112 0.40737	0.39012 0.41081	0.38895 0.40081	0.38300	0.37250	AVRG		0.39063		3.58195	
Methyl Methacrylate	NE 0.45169	0.50632 0.44421	0.38518 0.46667	0.38394 0.45770	0.39298	0.39950	AVRG		0.43202		10.02406	
2-Chloroethylvinyl ether	NE 8568	114 17476	186 27126	335 NE	737	3649	LINR	-0.02191	0.00561		0.99979	
1,2-Dichloropropane	NE 0.30980	0.39218 0.32731	0.31924 0.32414	0.31675 0.31525	0.32114	0.32029	AVRG		0.32734		7.58708	
2-Nitropropane	NE 0.11734	0.14074 0.11953	0.09637 0.13174	0.10711 0.13173	0.11448	0.10120	AVRG		0.11780		12.65451	
Dibromomethane	NE 0.20056	0.21460 0.20633	0.21392 0.20346	0.22590 0.20217	0.21911	0.20622	AVRG		0.21025		4.09444	
4-Methyl-2-Pentanone	NE 0.38089	0.39006 0.38106	0.37301 0.38720	0.35059 0.37830	0.33890	0.36829	AVRG		0.37203		4.58417	
cis-1,3-Dichloropropene	NE 332624	3082 774336	4923 1255756	9984 1704761	24292	121394	LINR	0.04404	0.52092		0.99891	
Ethyl Methacrylate	NE 0.47025	0.47999 0.48104	0.41360 0.50051	0.40215 0.50137	0.44072	0.43657	AVRG		0.45847		7.97646	
Toluene	NE 1.31532	1.55344 1.43991	1.22059 1.39615	1.17375 1.32407	1.42771	1.38367	AVRG		1.35940		8.53378	
trans-1,3-Dichloropropene	NE 0.37683	0.39687 0.42779	0.32196 0.43704	0.32873 0.44041	0.32012	0.33895	AVRG		0.37652		13.49040	
2-Hexanone	NE 0.24862	0.24712 0.25518	0.22352 0.25670	0.25080 0.25265	0.23481	0.24777	AVRG		0.24635		4.32128	

NE - Not Evaluated, AVRG - Averaged, LINR - Linear Regression, WLIN - Weighted Linear, QUAD - Quadratic, * - Curve Fit Outside Limits

Initial Calibration Data

Client Bhate Environmental Associates, Inc.

Project LHAAP

Workorder HS23080325

RunID VOA9_442900

Volatiles by EPA 8260

Compound	50.00 Level 7 0.250 Level 1	100.00 Level 8 0.500 Level 2	150.00 Level 9 1.00 Level 3	200.00 Level 10 2.00 Level 4	5.00 Level 5	20.00 Level 6	Curve	b	m1	m2	%RSD or R2	Q
1,1,2-Trichloroethane	NE 0.27285	0.32793 0.27354	0.35553 0.27154	0.29200 0.26266	0.28919	0.27515	AVRG		0.29115		10.58600	
1,3-Dichloropropane	NE 0.57089	0.71298 0.58339	0.59195 0.58210	0.57169 0.55891	0.61249	0.59083	AVRG		0.59725		7.70338	
Dibromochloromethane	NE 0.35792	0.40009 0.38513	0.33426 0.39499	0.30395 0.38437	0.31836	0.33671	AVRG		0.35731		9.93273	
Tetrachloroethene	NE 0.28509	0.36304 0.34834	0.35268 0.33578	0.31548 0.30976	0.34950	0.31486	AVRG		0.33050		7.72972	
1,2-Dibromoethane	NE 0.35081	0.39475 0.34983	0.35909 0.34883	0.32573 0.33700	0.34508	0.34115	AVRG		0.35025		5.47989	
1-Chlorohexane	NE 0.20855	0.27808 0.29712	0.27020 0.28117	0.26046 0.26499	0.24548	0.24381	AVRG		0.26109		9.94291	
Chlorobenzene	NE 0.88349	1.10870 0.95885	0.99066 0.93838	0.96470 0.89377	0.98950	0.94498	AVRG		0.96367		6.83984	
1,1,1,2-Tetrachloroethane	NE 0.33092	0.42840 0.35916	0.33600 0.35862	0.31830 0.34985	0.34072	0.33909	AVRG		0.35123		9.03803	
Ethylbenzene	NE 0.40552	0.50007 0.48460	0.39089 0.46935	0.38651 0.44718	0.42155	0.42069	AVRG		0.43626		9.43737	
m,p-Xylenes	NE 0.49522	0.52094 0.59843	0.45610 0.58141	0.41819 0.54890	0.47853	0.51172	AVRG		0.51216		11.35507	
o-Xylene	NE 0.49595	0.52304 0.57678	0.41034 0.56670	0.40767 0.54132	0.47466	0.51293	AVRG		0.50104		12.21428	
Styrene	NE 0.80748	0.76847 0.92446	0.62770 0.91819	0.64721 0.89516	0.68025	0.76772	AVRG		0.78185		14.65400	

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Initial Calibration Data

Client Bhate Environmental Associates, Inc.

Project LHAAP

Workorder HS23080325

RunID VOA9_442900

Volatiles by EPA 8260

Compound	50.00 Level 7 0.250 Level 1	100.00 Level 8 0.500 Level 2	150.00 Level 9 1.00 Level 3	200.00 Level 10 2.00 Level 4	5.00 Level 5	20.00 Level 6	Curve	b	m1	m2	%RSD or R2	Q
Bromoform	NE 0.24851	0.25384 0.27219	0.21751 0.27520	0.24681 0.27372	0.23077	0.22808	AVRG		0.24962		8.52328	
Isopropylbenzene	NE 1.12488	1.13297 1.47687	1.03567 1.41043	1.04427 1.31835	1.16356	1.20468	AVRG		1.21241		12.92024	
1,1,2,2-Tetrachloroethane	NE 0.89152	1.15683 0.88591	1.06739 0.86691	1.06810 0.84501	0.98697	0.89907	AVRG		0.96308		11.51466	
1,2,3-Trichloropropane	NE 0.80375	0.85788 0.84920	0.85020 0.85611	0.82513 0.85558	0.83704	0.81178	AVRG		0.83852		2.43363	
trans-1,4-Dichloro-2-butene	NE 0.06178	0.06827 0.07281	0.06336 0.07901	0.06062 0.08039	0.06370	0.05857	AVRG		0.06761		11.91040	
n-Propylbenzene	NE 850858	7058 2371517	13048 3432693	26996 4612232	77798	353551	LINR	0.03281	2.90904		0.99629	
Bromobenzene	NE 0.76463	0.89034 0.83642	0.88535 0.82181	0.81725 0.80162	0.83590	0.79125	AVRG		0.82718		4.96971	
1,3,5-Trimethylbenzene	NE 1.58473	1.75472 2.06489	1.52111 2.01814	1.52279 1.94220	1.65270	1.66530	AVRG		1.74740		12.07099	
2-Chlorotoluene	NE 1.61585	1.88455 1.91617	1.67945 1.83780	1.66186 1.76745	1.74020	1.76147	AVRG		1.76276		5.78656	
4-Chlorotoluene	NE 1.86068	2.03419 2.16711	1.75120 2.09349	1.78532 2.00836	2.01103	2.00945	AVRG		1.96898		7.11166	
tert-Butylbenzene	NE 1.49099	1.68266 2.00142	1.31876 1.91707	1.41555 1.79993	1.64950	1.62304	AVRG		1.65544		13.65515	
1,2,4-Trimethylbenzene	NE 1.63450	1.63072 2.00886	1.50499 1.98701	1.59285 1.93814	1.83131	1.79716	AVRG		1.76950		10.50228	

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Initial Calibration Data

Client Bhate Environmental Associates, Inc.

Project LHAAP

Workorder HS23080325

RunID VOA9_442900

Volatiles by EPA 8260

ICAL Summary Page 7 / 12

Compound	50.00 Level 7 0.250 Level 1	100.00 Level 8 0.500 Level 2	150.00 Level 9 1.00 Level 3	200.00 Level 10 2.00 Level 4	5.00 Level 5	20.00 Level 6	Curve	b	m1	m2	%RSD or R2	Q
sec-Butylbenzene	NE 678780	5696 2006353	11030 NE	23804 NE	69225	286254	QUAD	-0.01399	0.61960	-0.04483	0.99890	
p-Isopropyltoluene	NE 559357	5403 1676245	9596 NE	21012 NE	56898	235209	QUAD	-0.01563	0.75564	-0.06734	0.99896	
1,3-Dichlorobenzene	NE 1.23032	1.60508 1.42825	1.34617 1.39492	1.32958 1.34305	1.41910	1.32879	AVRG		1.38058		7.45823	
1,4-Dichlorobenzene	NE 1.31394	1.81022 1.47667	1.73862 1.43193	1.61360 1.38005	1.58817	1.41593	AVRG		1.52990		11.01191	
Benzyl Chloride	NE 205616	1941 491153	3936 859193	6493 1221448	15238	70588	LINR	0.08214	0.38559		0.99516	
n-Butylbenzene	NE 474213	4114 1404287	8159 2119417	17310 2783598	44805	200492	LINR	0.04782	1.76975		0.99509	
1,2-Dichlorobenzene	NE 1.27628	1.57230 1.41885	1.53433 1.37677	1.44760 1.32071	1.44536	1.35616	AVRG		1.41649		6.79067	
1,2-Dibromo-3-Chloropropane	NE 0.12632	0.14509 0.14514	0.15108 0.15032	0.13773 0.15387	0.12446	0.11566	AVRG		0.13885		9.82242	
1,2,4-Trichlorobenzene	NE 0.82790	0.87931 1.01876	0.78168 1.01424	0.72674 0.99081	0.77401	0.82891	AVRG		0.87137		12.74046	
Hexachlorobutadiene	NE 112500	1126 351435	2531 NE	5519 NE	13619	49415	QUAD	-0.02795	3.78481	-1.71367	0.99821	
Naphthalene	NE 769637	6182 1846543	11725 2827642	22645 3794466	51655	276874	LINR	0.03183	2.37702		0.99886	
1,2,3-Trichlorobenzene	NE 0.82676	1.04484 0.99128	0.76072 0.98013	0.83361 0.94656	0.78788	0.83457	AVRG		0.88960		11.44647	

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Initial Calibration Data

Client Bhate Environmental Associates, Inc.

Project LHAAP

Workorder HS23080325

RunID VOA9_442900

Volatiles by EPA 8260

Compound	50.00 Level 7 0.250 Level 1	100.00 Level 8 0.500 Level 2	150.00 Level 9 1.00 Level 3	200.00 Level 10 2.00 Level 4	5.00 Level 5	20.00 Level 6	Curve	b	m1	m2	%RSD or R2	Q
Ethyl Acetate	NE 0.43204	0.52740 0.43062	0.50199 0.43054	0.42517 0.42108	0.46491	0.43529	AVRG		0.45212		8.43066	
Methyl Acrylate	NE 0.46735	0.52634 0.45725	0.51288 0.47346	0.47227 0.46921	0.47069	0.45552	AVRG		0.47833		5.11332	
n-Butanol	NE 0.01264	0.01550 0.01315	0.01487 0.01382	0.01381 0.01385	0.01108	0.01128	AVRG		0.01333		11.12185	
Ethyl Acrylate	NE 1.08269	0.93898 1.15967	0.99143 1.17300	0.87739 1.13262	0.88314	1.03560	AVRG		1.03050		11.12950	
Cyclohexanone	NE 0.03037	0.03773 0.02918	0.03169 0.02981	0.03259 0.02942	0.02743	0.03001	AVRG		0.03091		9.54305	
1,4-Dioxane	0.00807 0.00665	0.00860 0.00627	0.00802 0.00620	0.00780 0.00611	0.00716	0.00680	AVRG		0.00717		12.54606	
n-Hexane	NE 0.27118	0.38411 0.43277	0.34794 0.41787	0.35855 0.37300	0.36686	0.31429	AVRG		0.36295		13.59891	
Freon TF	NE 133548	1250 376621	3343 NE	5602 NE	16029	59963	QUAD	-0.02403	4.39261	-2.16232	0.99789	
Methyl Acetate	NE 0.33112	0.42414 0.32801	0.40074 0.34056	0.38319 0.32784	0.35406	0.33930	AVRG		0.35877		9.86973	
Methylcyclohexane	NE 0.74949	0.75489 0.80127	0.68423 0.80994	0.63981 0.78324	0.61500	0.71662	AVRG		0.72828		9.57636	
Isopropyl alcohol	NE 0.02599	0.03169 0.02556	0.03143 0.02686	0.03125 0.02613	0.02516	0.02463	AVRG		0.02763		10.62773	
Amyl alcohol	NE 0.00992	0.00933 0.01068	0.01077 0.01120	0.01025 0.01126	0.00871	0.00967	AVRG		0.01020		8.50391	

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Initial Calibration Data

Client Bhate Environmental Associates, Inc.

Project LHAAP

Workorder HS23080325

RunID VOA9_442900

Volatiles by EPA 8260

Compound	50.00 Level 7 0.250 Level 1	100.00 Level 8 0.500 Level 2	150.00 Level 9 1.00 Level 3	200.00 Level 10 2.00 Level 4	5.00 Level 5	20.00 Level 6	Curve	b	m1	m2	%RSD or R2	Q
Allyl alcohol	NE 141423	1755 459706	3354 NE	6722 NE	18282	63877	QUAD	-0.61034	84.68604	-43.56216	0.99752	
4-Methyl-2-pentanol	NE 0.06586	0.06162 0.06887	0.05487 0.07404	0.06416 0.07493	0.05455	0.06625	AVRG		0.06502		11.16525	
Tert-butyl alcohol	NE 427118	5912 876760	11049 1418139	21792 1911477	44536	172724	LINR	-0.06239	0.04191		0.99982	
Diethyl ether	NE 0.28335	0.29000 0.28634	0.27179 0.29471	0.27465 0.29201	0.28119	0.27386	AVRG		0.28310		2.95718	
1,3-Butadiene	NE 0.36549	0.42137 0.44407	0.36142 0.43695	0.38543 0.40437	0.39948	0.36451	AVRG		0.39812		7.89458	
Cyclohexane	NE 0.46619	0.50739 0.68232	0.53228 0.64576	0.54556 0.58534	0.55073	0.54220	AVRG		0.56197		11.91538	
Tetrahydrofuran	NE 0.08361	0.09581 0.07797	0.09077 0.08203	0.08518 0.07963	0.08274	0.07526	AVRG		0.08367		7.59865	
alpha-Methylstyrene	NE 245723	1830 679309	3510 1101168	7992 1515973	21160	95125	LINR	0.07437	0.94175		0.99609	
Diisopropyl ether	NE 1.13698	1.25197 1.14127	1.30077 1.16955	1.23908 1.15292	1.13582	1.10431	AVRG		1.18141		5.60782	
Dichlorofluoromethane	NE 0.64037	0.70051 0.66674	0.69650 0.67591	0.63117 0.65212	0.62816	0.64669	AVRG		0.65980		4.06002	
Butyl acrylate	NE 412223	3138 902217	4545 1506361	11622 2123462	29316	146625	LINR	0.04999	0.67060		0.99846	
Butyl methacrylate	NE 0.70843	0.69624 0.69530	0.47517 0.68569	0.57049 0.67752	0.51352	0.64302	AVRG		0.62949		13.91869	

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Initial Calibration Data

Client Bhate Environmental Associates, Inc.

Project LHAAP

Workorder HS23080325

RunID VOA9_442900

Volatiles by EPA 8260

ICAL Summary Page 10 / 12

Compound	50.00 Level 7 0.250 Level 1	100.00 Level 8 0.500 Level 2	150.00 Level 9 1.00 Level 3	200.00 Level 10 2.00 Level 4	5.00 Level 5	20.00 Level 6	Curve	b	m1	m2	%RSD or R2	Q
Dicyclopentadiene	NE 2.21106	1.96570 2.39558	1.89454 2.43513	1.80220 2.32394	1.88899	2.15831	AVRG		2.11950		11.25950	
1,2,3-Trimethylbenzene	NE 1.79804	1.82320 1.84170	1.68412 1.85455	1.68975 1.83115	1.70207	1.83779	AVRG		1.78471		3.99767	
Ethanol	NE 55961	749 111476	1210 177398	2145 232260	5504	20900	LINR	-0.27612	0.00516		0.99938	
tert-Butyl formate	NE 0.33829	0.39965 0.35637	0.40370 0.37833	0.37378 0.38362	0.34312	0.32624	AVRG		0.36701		7.48195	
3,3-Dimethyl-1-butanol	NE 0.03471	0.04702 0.03429	0.03157 0.03667	0.04138 0.03639	0.03458	0.03693	AVRG		0.03706		12.36612	
tert-Amyl methyl ether	NE 577923	5246 1310498	8905 2015550	17751 2719668	43846	202905	LINR	0.02283	1.20807		0.99932	
tert-Butyl ethyl ether	NE 0.97228	0.98646 0.99590	0.97296 1.05407	0.88592 1.04592	0.90108	0.90693	AVRG		0.96906		6.27455	
tert-Amyl alcohol	NE 0.03383	0.04273 0.03564	0.04045 0.03783	0.03994 0.03836	0.03431	0.03262	AVRG		0.03730		9.16293	
Epichlorohydrin	NE 8907	99. 25123	166 NE	503 NE	991	2557	QUAD	-0.03680	406	-4920	0.99782	
Isoprene	NE 0.08820	0.10454 0.10957	0.08600 0.10889	0.09537 0.09888	0.09078	0.09354	AVRG		0.09731		8.97873	
n-Amyl acetate	NE 0.56962	0.58193 0.58520	0.53350 0.60073	0.54094 0.59273	0.55207	0.58144	AVRG		0.57091		4.13415	
Isopropyl acetate	NE 0.98035	1.06592 1.00633	0.85168 1.01698	0.95203 1.01279	0.94821	0.97012	AVRG		0.97827		6.13832	

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Initial Calibration Data

Client Bhate Environmental Associates, Inc.

Project LHAAP

Workorder HS23080325

RunID VOA9_442900

Volatiles by EPA 8260

ICAL Summary Page 11 / 12

Compound	50.00 Level 7 0.250 Level 1	100.00 Level 8 0.500 Level 2	150.00 Level 9 1.00 Level 3	200.00 Level 10 2.00 Level 4	5.00 Level 5	20.00 Level 6	Curve	b	m1	m2	%RSD or R2	Q
n-Butyl acetate	NE 0.57836	0.49473 0.60636	0.53057 0.62611	0.48794 0.61794	0.48642	0.53903	AVRG		0.55194		10.28930	
Acetaldehyde	NE 0.07083	NE 0.06492	NE 0.06299	0.07510 0.06020	0.06817	0.05728	AVRG		0.06564		9.42908	
Methyl Amyl Ketone	NE 0.70597	0.69259 0.69656	0.54433 0.73897	0.65695 0.74098	0.59904	0.70207	AVRG		0.67527		9.66555	
Dimethyl Disulfide	NE 220128	453 615910	917 1180966	2883 1720035	9195	58623	QUAD	0.08388	2.51252	-0.34354	0.99519	
Isobutylene	NE 0.05708	NE 0.06038	0.07220 0.05950	0.06182 0.05728	0.06042	0.06033	AVRG		0.06113		7.78993	
2-Ethylhexyl Acrylate	NE 180110	1311 428559	2603 725138	4677 1027307	11853	61419	QUAD	0.03314	1.91291	-0.14110	0.99915	
94 1,2-Dichloroethylene (total)	NE 0.35894	0.43872 0.39159	0.39753 0.39242	0.38647 0.38385	0.39149	0.37450	AVRG		0.39061		5.50045	
95 Xylenes (total)	NE 0.46183	0.48729 0.56181	0.39904 0.54139	0.39749 0.52358	0.44946	0.47866	AVRG		0.47784		12.15772	
30 Dibromofluoromethane	NE 213944	2118 432647	4835 673185	7770 879652	19210	85217	LINR	-0.01990	0.39210		0.99908	
35 1,2-Dichloroethane-d4	NE 242144	2440 469501	4638 729852	8650 950577	21416	92644	LINR	-0.02675	0.42417		0.99870	
48 Toluene-d8	NE 1.15709	1.39328 1.16538	1.27319 1.13419	1.04667 1.07750	1.05916	1.16021	AVRG		1.16296		9.50122	
69 4-Bromofluorobenzene	NE 329909	5057 681158	8707 1028731	12870 1374126	29702	131600	LINR	-0.02776	0.44164		0.99886	

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Initial Calibration Data

Client Bhate Environmental Associates, Inc.

Project LHAAP

Workorder HS23080325

RunID VOA9_442900

Volatiles by EPA 8260

ICAL Summary Page 12 / 12

Compound	0.250 Level 1	0.500 Level 2	1.00 Level 3	2.00 Level 4	5.00 Level 5	20.00 Level 6	Curve	b	m1	m2	%RSD or R2	Q
	50.00 Level 7	100.00 Level 8	150.00 Level 9	200.00 Level 10								

NE - Not Evaluated, AVRG - Averaged, LINR - Linear Regression, WLIN - Weighted Linear, QUAD - Quadratic, * - Curve Fit Outside Limits

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Form 6I

Initial Calibration Verification (ICV)

Volatiles by EPA 8260

Workorder

HS23080325

Client

Bhate Environmental Associates, Inc.

Project

LHAAP

08/10/2023

ALS Environmental–Houston Laboratory

10450 Stancliff Road, Suite 210, Houston, TX 77099

Phone (281) 530-5656 Fax (281) 530-5887

www.alsglobal.com

Initial Calibration Verification (ICV)

Client Bhate Environmental Associates, Inc.
Project LHAAP

Workorder HS23080325

RunID VOA9_442900

Volatiles by EPA 8260

Sample Matrix LIQUID
Lab Smp Id CCV
Level LOW
Fraction VOA
Client Smp ID CCV
Operator PC

Compound	Conc Added	Conc Recovered	% Recovered	Limits	Q
1,1,1,2-Tetrachloroethane	50.00	45.17	90.34	80-120	
1,1,1-Trichloroethane	50.00	42.24	84.50	80-120	
1,1,2,2-Tetrachloroethane	50.00	43.44	86.89	80-120	
Freon TF	50.00	49.80	99.61	80-120	
Methyl Acetate	50.00	42.65	85.31	80-120	
Cyclohexane	50.00	42.99	86.00	80-120	
Methylcyclohexane	50.00	45.62	91.25	80-120	
Carbon Disulfide	100.00	91.76	91.77	80-120	
2-Hexanone	100.00	100.88	100.88	80-120	
1,1,2-Trichloroethane	50.00	44.48	88.97	80-120	
1,1-Dichloroethane	50.00	42.37	84.75	80-120	
1,1-Dichloroethene	50.00	44.44	88.88	80-120	
1,1-Dichloropropene	50.00	44.90	89.82	80-120	
1,2,3-Trichlorobenzene	50.00	46.01	92.02	80-120	
1,2,3-Trichloropropane	50.00	47.51	95.03	80-120	
1,2,4-Trichlorobenzene	50.00	48.56	97.14	80-120	
1,2,4-Trimethylbenzene	50.00	49.50	99.00	80-120	
1,2-Dibromo-3-Chloropropane	50.00	44.93	89.87	80-120	
1,2-Dibromoethane	50.00	46.64	93.29	80-120	
Acrolein	100.00	81.57	81.57	80-120	
Acrylonitrile	100.00	93.98	93.99	80-120	
1,2-Dichlorobenzene	50.00	43.41	86.82	80-120	
1,2-Dichloroethane	50.00	45.00	90.01	80-120	
1,2-Dichloropropane	50.00	45.48	90.96	80-120	
1,3,5-Trimethylbenzene	50.00	47.94	95.89	80-120	
1,3-Dichlorobenzene	50.00	44.62	89.24	80-120	
1,3-Dichloropropane	50.00	45.54	91.09	80-120	
1,4-Dichlorobenzene	50.00	42.01	84.03	80-120	
1-Chlorohexane	50.00	40.54	81.09	80-120	
2,2-Dichloropropane	50.00	46.62	93.25	80-120	
2-Butanone	100.00	89.06	89.06	80-120	
2-Chloroethylvinyl ether	100.00	84.06	84.07	80-120	
2-Chlorotoluene	50.00	45.59	91.19	80-120	
4-Chlorotoluene	50.00	46.97	93.95	80-120	

Initial Calibration Verification (ICV)

Client Bhate Environmental Associates, Inc.
Project LHAAP

Workorder HS23080325

RunID VOA9_442900

Volatiles by EPA 8260

Sample Matrix LIQUID
Lab Smp Id CCV
Level LOW
Fraction VOA
Client Smp ID CCV
Operator PC

Compound	Conc Added	Conc Recovered	% Recovered	Limits	Q
p-Isopropyltoluene	50.00	53.01	106.02	80-120	
4-Methyl-2-Pentanone	100.00	98.85	98.85	80-120	
Acetone	100.00	103.24	103.25	80-120	
Acetonitrile	500.00	470.91	94.18	80-120	
Allyl Chloride	50.00	46.42	92.85	80-120	
Benzene	50.00	45.01	90.03	80-120	
Bromobenzene	50.00	45.44	90.89	80-120	
Bromochloromethane	50.00	42.35	84.70	80-120	
Bromodichloromethane	50.00	45.28	90.58	80-120	
Bromoform	50.00	48.92	97.85	80-120	
Bromomethane	50.00	53.47	106.94	80-120	
Carbon Tetrachloride	50.00	41.33	82.68	80-120	
Chlorobenzene	50.00	45.65	91.30	80-120	
Chloroethane	50.00	43.56	87.13	80-120	
Chloroform	50.00	42.70	85.41	80-120	
Chloromethane	50.00	44.76	89.52	80-120	
Chloroprene	50.00	44.88	89.77	80-120	
cis-1,2-Dichloroethene	50.00	45.41	90.82	80-120	
cis-1,3-Dichloropropene	50.00	45.07	90.15	80-120	
Dibromochloromethane	50.00	48.92	97.84	80-120	
Dibromomethane	50.00	45.39	90.79	80-120	
Dichlorodifluoromethane	50.00	41.50	83.00	80-120	
Ethylbenzene	50.00	46.95	93.92	80-120	
Ethyl Methacrylate	50.00	49.83	99.67	80-120	
Iodomethane	100.00	89.77	89.77	80-120	
Isobutyl Alcohol	1000.00	936.97	93.70	70-130	
Propionitrile	500.00	466.26	93.25	70-130	
Hexachlorobutadiene	50.00	55.99	112.00	80-120	
Isopropylbenzene	50.00	48.03	96.06	80-120	
m,p-Xylenes	100.00	100.35	100.36	80-120	
Methyl tert-butyl ether	50.00	47.22	94.46	80-120	
Methylene Chloride	50.00	46.60	93.22	80-120	
Methacrylonitrile	50.00	42.40	84.80	80-120	
Methyl Methacrylate	50.00	48.84	97.70	80-120	

Initial Calibration Verification (ICV)

Client Bhate Environmental Associates, Inc.
Project LHAAP

Workorder HS23080325

RunID VOA9_442900

Volatiles by EPA 8260

Sample Matrix LIQUID
Lab Smp Id CCV
Level LOW
Fraction VOA
Client Smp ID CCV
Operator PC

Compound	Conc Added	Conc Recovered	% Recovered	Limits	Q
n-Butylbenzene	50.00	42.16	84.32	80-120	
n-Propylbenzene	50.00	42.94	85.89	80-120	
Naphthalene	50.00	44.85	89.71	80-120	
o-Xylene	50.00	50.38	100.78	80-120	
sec-Butylbenzene	50.00	51.05	102.11	80-120	
Styrene	50.00	53.12	106.24	80-120	
tert-Butylbenzene	50.00	45.24	90.50	80-120	
Tetrachloroethene	50.00	43.34	86.69	80-120	
Toluene	50.00	47.16	94.32	80-120	
trans-1,2-Dichloroethene	50.00	43.87	87.75	80-120	
trans-1,3-Dichloropropene	50.00	49.98	99.96	80-120	
trans-1,4-Dichloro-2-butene	50.00	51.75	103.50	80-120	
Trichloroethene	50.00	44.46	88.93	80-120	
Trichlorofluoromethane	50.00	41.79	83.60	80-120	
Vinyl Acetate	100.00	96.93	96.94	80-120	
Vinyl Chloride	50.00	44.04	88.08	80-120	
1,2-Dichloroethylene (total)	100.00	89.28	89.29	80-120	
Xylenes (total)	150.00	150.74	100.50	80-120	
1,4-Dioxane	1000.00	803.55	80.36	80-120	
Dibromofluoromethane	50.00	48.57	97.14	71-125	
1,2-Dichloroethane-d4	50.00	47.76	95.53	70-125	
Toluene-d8	50.00	50.60	101.21	75-125	

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Form 7

Continuing Calibration Verification (CCV)

Volatiles by EPA 8260

Workorder

HS23080325

Client

Bhate Environmental Associates, Inc.

Project

LHAAP

08/10/2023

ALS Environmental–Houston Laboratory

10450 Stancliff Road, Suite 210, Houston, TX 77099

Phone (281) 530-5656 Fax (281) 530-5887

www.alsglobal.com

Continuing Calibration Verification (CCV)

Client Bhate Environmental Associates, Inc.
Project LHAAP

Workorder HS23080325

RunID VOA9_443493

Volatiles by EPA 8260

Instrument ID VOA9.I
Lab File ID U080803.D
Analysis Type WATER
Lab Sample ID CCV

Injection Date :37
ICAL Date(s) 31-JUL-2023 31-JUL-2023
ICAL Times :30 15:13
Quant Type ISTD

Compound	$\overline{RRF}$ / Conc	RF50 / Conc	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
Dichlorodifluoromethane	50.0	40.16467	0.38203	0.100	19.67066	20.0	Linear	
Chloromethane	50.0	44.33566	0.52078	0.100	11.32868	20.0	Linear	
Vinyl Chloride	0.49229	0.40825	0.40825	0.100	17.07053	20.0	Averaged	
Bromomethane	50.0	49.53799	0.26304	0.100	0.92403	20.0	Linear	
Chloroethane	0.31000	0.27587	0.27587	0.100	11.00969	20.0	Averaged	
Trichlorofluoromethane	0.60759	0.53814	0.53814	0.100	11.43054	20.0	Averaged	
Acrolein	0.03207	0.02869	0.02869	0.010	10.52826	20.0	Averaged	
Acetone	100	105	0.16421	0.100	-5.34397	20.0	Linear	
1,1-Dichloroethene	0.32942	0.31072	0.31072	0.100	5.67731	20.0	Averaged	
Iodomethane	100	101	0.32162	0.100	-1.00779	20.0	Quadratic	
Acrylonitrile	0.15717	0.16676	0.16676	0.050	-6.10427	20.0	Averaged	
Methylene Chloride	50.0	50.11342	0.40107	0.100	-0.22683	20.0	Linear	
Methyl tert-butyl ether	1.01819	1.21734	1.21734	0.100	-19.55943	20.0	Averaged	
Carbon Disulfide	0.95901	0.84997	0.84997	0.100	11.37031	20.0	Averaged	
trans-1,2-Dichloroethene	0.36916	0.34710	0.34710	0.100	5.97381	20.0	Averaged	
Vinyl Acetate	1.05648	1.18295	1.18295	0.010	-11.97012	20.0	Averaged	
1,1-Dichloroethane	0.67475	0.63801	0.63801	0.200	5.44447	20.0	Averaged	
2-Butanone	0.19643	0.17927	0.17927	0.100	8.73521	20.0	Averaged	
2,2-Dichloropropane	0.46523	0.47168	0.47168	0.100	-1.38672	20.0	Averaged	
cis-1,2-Dichloroethene	0.41207	0.41575	0.41575	0.100	-0.89356	20.0	Averaged	
Chloroform	0.78523	0.70023	0.70023	0.200	10.82427	20.0	Averaged	
Bromochloromethane	0.24383	0.23419	0.23419	0.100	3.95429	20.0	Averaged	
30 Dibromofluoromethane	50.0	53.02796	0.42365	0.100	-6.05592	20.0	Linear	
1,1,1-Trichloroethane	0.61090	0.55410	0.55410	0.100	9.29704	20.0	Averaged	
1,1-Dichloropropene	0.37127	0.34257	0.34257	0.100	7.72996	20.0	Averaged	
1,2-Dichloroethane	0.43057	0.43358	0.43358	0.100	-0.69826	20.0	Averaged	
Carbon Tetrachloride	0.33260	0.28896	0.28896	0.100	13.12227	20.0	Averaged	
35 1,2-Dichloroethane-d4	50.0	53.60700	0.46612	0.100	-7.21400	20.0	Linear	
Benzene	1.22138	1.13844	1.13844	0.500	6.79061	20.0	Averaged	
Trichloroethene	0.34521	0.32013	0.32013	0.200	7.26528	20.0	Averaged	
Bromodichloromethane	0.39063	0.37805	0.37805	0.200	3.22109	20.0	Averaged	
2-Chloroethylvinyl ether	++++	++++	1.016e+63	0.001	++++	20.0	Linear	*
1,2-Dichloropropane	0.32734	0.31179	0.31179	0.100	4.75104	20.0	Averaged	
Dibromomethane	0.21025	0.20787	0.20787	0.100	1.13268	20.0	Averaged	

Continuing Calibration Verification (CCV)

Client Bhate Environmental Associates, Inc.
Project LHAAP

Workorder HS23080325

RunID VOA9_443493

Volatiles by EPA 8260

Instrument ID VOA9.I
Lab File ID U080803.D
Analysis Type WATER
Lab Sample ID CCV

Injection Date :37
ICAL Date(s) 31-JUL-2023 31-JUL-2023
ICAL Times :30 15:13
Quant Type ISTD

Compound	$\overline{RRF}$ / Conc	RF50 / Conc	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
4-Methyl-2-Pentanone	0.37203	0.35778	0.35778	0.100	3.83198	20.0	Averaged	
cis-1,3-Dichloropropene	50.0	47.07993	0.46756	0.200	5.84013	20.0	Linear	
48 Toluene-d8	1.16296	1.12023	1.12023	0.100	3.67407	20.0	Averaged	
Toluene	1.35940	1.27138	1.27138	0.400	6.47498	20.0	Averaged	
trans-1,3-Dichloropropene	0.37652	0.39137	0.39137	0.100	-3.94389	20.0	Averaged	
2-Hexanone	0.24635	0.23740	0.23740	0.100	3.63282	20.0	Averaged	
1,1,2-Trichloroethane	0.29115	0.26844	0.26844	0.100	7.80205	20.0	Averaged	
1,3-Dichloropropane	0.59725	0.56021	0.56021	0.100	6.20149	20.0	Averaged	
Dibromochloromethane	0.35731	0.35487	0.35487	0.100	0.68150	20.0	Averaged	
Tetrachloroethene	0.33050	0.28546	0.28546	0.200	13.62714	20.0	Averaged	
1,2-Dibromoethane	0.35025	0.34192	0.34192	0.100	2.37875	20.0	Averaged	
1-Chlorohexane	0.26109	0.19394	0.19394	0.100	25.72102	20.0	Averaged	*
Chlorobenzene	0.96367	0.89746	0.89746	0.500	6.87087	20.0	Averaged	
1,1,1,2-Tetrachloroethane	0.35123	0.32498	0.32498	0.100	7.47453	20.0	Averaged	
Ethylbenzene	0.43626	0.41239	0.41239	0.100	5.47258	20.0	Averaged	
m,p-Xylenes	0.51216	0.53047	0.53047	0.100	-3.57477	20.0	Averaged	
o-Xylene	0.50104	0.53621	0.53621	0.300	-7.01824	20.0	Averaged	
Styrene	0.78185	0.89867	0.89867	0.300	-14.94122	20.0	Averaged	
Bromoform	0.24962	0.25332	0.25332	0.100	-1.48189	20.0	Averaged	
Isopropylbenzene	1.21241	1.15712	1.15712	0.100	4.55991	20.0	Averaged	
1,1,2,2-Tetrachloroethane	0.96308	0.83063	0.83063	0.300	13.75236	20.0	Averaged	
1,2,3-Trichloropropane	0.83852	0.77284	0.77284	0.100	7.83288	20.0	Averaged	
n-Propylbenzene	50.0	40.40392	2.25529	0.100	19.19217	20.0	Linear	
Bromobenzene	0.82718	0.75852	0.75852	0.100	8.29955	20.0	Averaged	
1,3,5-Trimethylbenzene	1.74740	1.64750	1.64750	0.100	5.71687	20.0	Averaged	
2-Chlorotoluene	1.76276	1.55734	1.55734	0.100	11.65305	20.0	Averaged	
4-Chlorotoluene	1.96898	1.79971	1.79971	0.100	8.59664	20.0	Averaged	
tert-Butylbenzene	1.65544	1.42653	1.42653	0.100	13.82767	20.0	Averaged	
1,2,4-Trimethylbenzene	1.76950	1.72500	1.72500	0.100	2.51489	20.0	Averaged	
sec-Butylbenzene	50.0	47.45173	1.78470	0.100	5.09655	20.0	Quadratic	
p-Isopropyltoluene	50.0	51.44772	1.61475	0.100	-2.89544	20.0	Quadratic	
1,3-Dichlorobenzene	1.38058	1.22262	1.22262	0.600	11.44202	20.0	Averaged	
1,4-Dichlorobenzene	1.52990	1.30101	1.30101	0.400	14.96102	20.0	Averaged	
n-Butylbenzene	50.0	40.51739	1.34948	0.500	18.96523	20.0	Linear	

Continuing Calibration Verification (CCV)

Client Bhate Environmental Associates, Inc.
Project LHAAP

Workorder HS23080325

RunID VOA9_443493

Volatiles by EPA 8260

Instrument ID VOA9.I
Lab File ID U080803.D
Analysis Type WATER
Lab Sample ID CCV

Injection Date :37
ICAL Date(s) 31-JUL-2023 31-JUL-2023
ICAL Times :30 15:13
Quant Type ISTD

Compound	$\overline{RRF}$ / Conc	RF50 / Conc	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
1,2-Dichlorobenzene	1.41649	1.25280	1.25280	0.400	11.55575	20.0	Averaged	
1,2-Dibromo-3-Chloropropane	0.13885	0.13031	0.13031	0.050	6.15303	20.0	Averaged	
1,2,4-Trichlorobenzene	0.87137	0.83481	0.83481	0.200	4.19632	20.0	Averaged	
Hexachlorobutadiene	50.0	52.95588	0.33936	0.100	-5.91175	20.0	Quadratic	
Naphthalene	50.0	46.22140	2.12174	0.200	7.55720	20.0	Linear	
1,2,3-Trichlorobenzene	0.88960	0.82315	0.82315	0.100	7.46975	20.0	Averaged	
94 1,2-Dichloroethylene (total	0.39061	0.38143	0.38143	0.200	2.35151	20.0	Averaged	
95 Xylenes (total)	0.47784	0.51118	0.51118	0.100	-6.97674	20.0	Averaged	
1,4-Dioxane	0.00717	0.00631	0.00631	0.001	11.91548	20.0	Averaged	
Cyclohexane	0.56197	0.41295	0.41295	0.100	26.51834	20.0	Averaged	*
Freon TF	50.0	47.50235	0.25335	0.100	4.99530	20.0	Quadratic	
1,3-Butadiene	0.39812	0.34951	0.34951	0.100	12.21066	20.0	Averaged	
Methylcyclohexane	0.72828	0.72632	0.72632	0.100	0.26841	20.0	Averaged	
Methyl Acetate	0.35877	0.34898	0.34898	0.100	2.73016	20.0	Averaged	
Tert-butyl alcohol	1000	1024	0.04306	0.005	-2.44369	20.0	Linear	
Isopropyl alcohol	0.02763	0.02608	0.02608	0.005	5.60919	20.0	Averaged	
trans-1,4-Dichloro-2-butene	0.06761	0.07218	0.07218	0.050	-6.75634	20.0	Averaged	
Isobutyl Alcohol	0.07082	0.07260	0.07260	0.005	-2.52274	20.0	Averaged	
Acetonitrile	0.04619	0.04689	0.04689	0.005	-1.51209	20.0	Averaged	
Allyl Chloride	1.05495	1.03765	1.03765	0.100	1.63973	20.0	Averaged	
Methacrylonitrile	0.28080	0.27631	0.27631	0.100	1.59711	20.0	Averaged	
Methyl Methacrylate	0.43202	0.44712	0.44712	0.100	-3.49433	20.0	Averaged	
Propionitrile	0.05936	0.06157	0.06157	0.010	-3.72157	20.0	Averaged	
Methyl Acrylate	0.47833	0.48686	0.48686	0.100	-1.78305	20.0	Averaged	
Epichlorohydrin	200	261	0.00401	0.001	-30.46867	20.0	Quadratic	*

Continuing Calibration Verification (CCV)

Client Bhate Environmental Associates, Inc.
Project LHAAP

Workorder HS23080325

RunID VOA9_443493

Volatiles by EPA 8260

Instrument ID VOA9.I
Lab File ID U080816.D
Analysis Type WATER
Lab Sample ID CCV-END

Injection Date :38
ICAL Date(s) 31-JUL-2023 31-JUL-2023
ICAL Times :30 15:13
Quant Type ISTD

Compound	$\overline{RRF}$ / Conc	RF50 / Conc	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
Dichlorodifluoromethane	50.0	39.87590	0.37920	0.100	20.24820	50.0	Linear	
Chloromethane	50.0	35.45056	0.41723	0.100	29.09889	50.0	Linear	
Vinyl Chloride	0.49229	0.39701	0.39701	0.100	19.35432	50.0	Averaged	
Bromomethane	50.0	38.63462	0.20700	0.100	22.73076	50.0	Linear	
Chloroethane	0.31000	0.24623	0.24623	0.100	20.57082	50.0	Averaged	
Trichlorofluoromethane	0.60759	0.53990	0.53990	0.100	11.14151	50.0	Averaged	
Acrolein	0.03207	0.02277	0.02277	0.010	29.00250	50.0	Averaged	
Acetone	100	95.45663	0.14990	0.100	4.54337	50.0	Linear	
1,1-Dichloroethene	0.32942	0.29274	0.29274	0.100	11.13664	50.0	Averaged	
Iodomethane	100	112	0.36210	0.100	-12.38903	50.0	Quadratic	
Acrylonitrile	0.15717	0.14967	0.14967	0.050	4.76633	50.0	Averaged	
Methylene Chloride	50.0	45.36919	0.36325	0.100	9.26162	50.0	Linear	
Methyl tert-butyl ether	1.01819	1.01252	1.01252	0.100	0.55685	50.0	Averaged	
Carbon Disulfide	0.95901	0.86086	0.86086	0.100	10.23412	50.0	Averaged	
trans-1,2-Dichloroethene	0.36916	0.32614	0.32614	0.100	11.65200	50.0	Averaged	
Vinyl Acetate	1.05648	1.01659	1.01659	0.010	3.77587	50.0	Averaged	
1,1-Dichloroethane	0.67475	0.58439	0.58439	0.200	13.39162	50.0	Averaged	
2-Butanone	0.19643	0.17013	0.17013	0.100	13.38727	50.0	Averaged	
2,2-Dichloropropane	0.46523	0.43756	0.43756	0.100	5.94777	50.0	Averaged	
cis-1,2-Dichloroethene	0.41207	0.39010	0.39010	0.100	5.33166	50.0	Averaged	
Chloroform	0.78523	0.70567	0.70567	0.200	10.13193	50.0	Averaged	
Bromochloromethane	0.24383	0.21596	0.21596	0.100	11.43161	50.0	Averaged	
30 Dibromofluoromethane	50.0	52.48457	0.41938	0.100	-4.96914	50.0	Linear	
1,1,1-Trichloroethane	0.61090	0.54980	0.54980	0.100	10.00102	50.0	Averaged	
1,1-Dichloropropene	0.37127	0.32468	0.32468	0.100	12.55067	50.0	Averaged	
1,2-Dichloroethane	0.43057	0.41772	0.41772	0.100	2.98584	50.0	Averaged	
Carbon Tetrachloride	0.33260	0.28242	0.28242	0.100	15.08788	50.0	Averaged	
35 1,2-Dichloroethane-d4	50.0	53.84344	0.46813	0.100	-7.68689	50.0	Linear	
Benzene	1.22138	1.08232	1.08232	0.500	11.38554	50.0	Averaged	
Trichloroethene	0.34521	0.30798	0.30798	0.200	10.78402	50.0	Averaged	
Bromodichloromethane	0.39063	0.36684	0.36684	0.200	6.09212	50.0	Averaged	
2-Chloroethylvinyl ether	++++	++++	1.016e+63	0.001	++++	50.0	Linear	*
1,2-Dichloropropane	0.32734	0.29480	0.29480	0.100	9.94154	50.0	Averaged	
Dibromomethane	0.21025	0.19682	0.19682	0.100	6.39042	50.0	Averaged	

Continuing Calibration Verification (CCV)

Client Bhate Environmental Associates, Inc.
Project LHAAP

Workorder HS23080325

RunID VOA9_443493

Volatiles by EPA 8260

Instrument ID VOA9.I
Lab File ID U080816.D
Analysis Type WATER
Lab Sample ID CCV-END

Injection Date :38
ICAL Date(s) 31-JUL-2023 31-JUL-2023
ICAL Times :30 15:13
Quant Type ISTD

Compound	$\overline{RRF}$ / Conc	RF50 / Conc	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
4-Methyl-2-Pentanone	0.37203	0.34950	0.34950	0.100	6.05651	50.0	Averaged	
cis-1,3-Dichloropropene	50.0	43.58143	0.43111	0.200	12.83713	50.0	Linear	
48 Toluene-d8	1.16296	1.14350	1.14350	0.100	1.67378	50.0	Averaged	
Toluene	1.35940	1.20982	1.20982	0.400	11.00332	50.0	Averaged	
trans-1,3-Dichloropropene	0.37652	0.36755	0.36755	0.100	2.38316	50.0	Averaged	
2-Hexanone	0.24635	0.23548	0.23548	0.100	4.41218	50.0	Averaged	
1,1,2-Trichloroethane	0.29115	0.25205	0.25205	0.100	13.43083	50.0	Averaged	
1,3-Dichloropropane	0.59725	0.53219	0.53219	0.100	10.89324	50.0	Averaged	
Dibromochloromethane	0.35731	0.33492	0.33492	0.100	6.26726	50.0	Averaged	
Tetrachloroethene	0.33050	0.27607	0.27607	0.200	16.46922	50.0	Averaged	
1,2-Dibromoethane	0.35025	0.32883	0.32883	0.100	6.11717	50.0	Averaged	
1-Chlorohexane	0.26109	0.21753	0.21753	0.100	16.68580	50.0	Averaged	
Chlorobenzene	0.96367	0.86439	0.86439	0.500	10.30229	50.0	Averaged	
1,1,1,2-Tetrachloroethane	0.35123	0.31549	0.31549	0.100	10.17649	50.0	Averaged	
Ethylbenzene	0.43626	0.40363	0.40363	0.100	7.47961	50.0	Averaged	
m,p-Xylenes	0.51216	0.52280	0.52280	0.100	-2.07705	50.0	Averaged	
o-Xylene	0.50104	0.51884	0.51884	0.300	-3.55099	50.0	Averaged	
Styrene	0.78185	0.85936	0.85936	0.300	-9.91423	50.0	Averaged	
Bromoform	0.24962	0.23867	0.23867	0.100	4.38653	50.0	Averaged	
Isopropylbenzene	1.21241	1.20188	1.20188	0.100	0.86809	50.0	Averaged	
1,1,2,2-Tetrachloroethane	0.96308	0.77231	0.77231	0.300	19.80788	50.0	Averaged	
1,2,3-Trichloropropane	0.83852	0.73810	0.73810	0.100	11.97607	50.0	Averaged	
n-Propylbenzene	50.0	42.02258	2.34946	0.100	15.95484	50.0	Linear	
Bromobenzene	0.82718	0.72174	0.72174	0.100	12.74631	50.0	Averaged	
1,3,5-Trimethylbenzene	1.74740	1.71465	1.71465	0.100	1.87425	50.0	Averaged	
2-Chlorotoluene	1.76276	1.58295	1.58295	0.100	10.20016	50.0	Averaged	
4-Chlorotoluene	1.96898	1.82506	1.82506	0.100	7.30946	50.0	Averaged	
tert-Butylbenzene	1.65544	1.51859	1.51859	0.100	8.26649	50.0	Averaged	
1,2,4-Trimethylbenzene	1.76950	1.81013	1.81013	0.100	-2.29613	50.0	Averaged	
sec-Butylbenzene	50.0	50.20188	1.90581	0.100	-0.40377	50.0	Quadratic	
p-Isopropyltoluene	50.0	54.81075	1.74175	0.100	-9.62150	50.0	Quadratic	
1,3-Dichlorobenzene	1.38058	1.22507	1.22507	0.600	11.26414	50.0	Averaged	
1,4-Dichlorobenzene	1.52990	1.29578	1.29578	0.400	15.30337	50.0	Averaged	
n-Butylbenzene	50.0	42.54720	1.42132	0.500	14.90560	50.0	Linear	

Continuing Calibration Verification (CCV)

Client Bhate Environmental Associates, Inc.
Project LHAAP

Workorder HS23080325

RunID VOA9_443493

Volatiles by EPA 8260

Instrument ID VOA9.I
Lab File ID U080816.D
Analysis Type WATER
Lab Sample ID CCV-END

Injection Date :38
ICAL Date(s) 31-JUL-2023 31-JUL-2023
ICAL Times :30 15:13
Quant Type ISTD

Compound	$\overline{RRF}$ / Conc	RF50 / Conc	CCV RRF50	Min RRF	%D / %Drift	Max %D / %Drift	Curve Type	Q
1,2-Dichlorobenzene	1.41649	1.25513	1.25513	0.400	11.39153	50.0	Averaged	
1,2-Dibromo-3-Chloropropane	0.13885	0.12224	0.12224	0.050	11.96381	50.0	Averaged	
1,2,4-Trichlorobenzene	0.87137	0.84791	0.84791	0.200	2.69204	50.0	Averaged	
Hexachlorobutadiene	50.0	49.66624	0.31467	0.100	0.66752	50.0	Quadratic	
Naphthalene	50.0	46.72425	2.14564	0.200	6.55150	50.0	Linear	
1,2,3-Trichlorobenzene	0.88960	0.84862	0.84862	0.100	4.60653	50.0	Averaged	
94 1,2-Dichloroethylene (total	0.39061	0.35812	0.35812	0.200	8.31824	50.0	Averaged	
95 Xylenes (total)	0.47784	0.50398	0.50398	0.100	-5.47113	50.0	Averaged	
1,4-Dioxane	0.00717	0.00618	0.00618	0.001	13.80898	50.0	Averaged	
Cyclohexane	0.56197	0.43958	0.43958	0.100	21.78004	50.0	Averaged	
Freon TF	50.0	47.49868	0.25333	0.100	5.00265	50.0	Quadratic	
1,3-Butadiene	0.39812	0.33074	0.33074	0.100	16.92406	50.0	Averaged	
Methylcyclohexane	0.72828	0.63813	0.63813	0.100	12.37820	50.0	Averaged	
Methyl Acetate	0.35877	0.32779	0.32779	0.100	8.63698	50.0	Averaged	
Tert-butyl alcohol	1000	1021	0.04291	0.005	-2.08580	50.0	Linear	
Isopropyl alcohol	0.02763	0.02598	0.02598	0.005	5.97843	50.0	Averaged	
trans-1,4-Dichloro-2-butene	0.06761	0.07776	0.07776	0.050	-15.01502	50.0	Averaged	
Isobutyl Alcohol	0.07082	0.06780	0.06780	0.005	4.26741	50.0	Averaged	
Acetonitrile	0.04619	0.04309	0.04309	0.005	6.70129	50.0	Averaged	
Allyl Chloride	1.05495	0.93323	0.93323	0.100	11.53831	50.0	Averaged	
Methacrylonitrile	0.28080	0.25264	0.25264	0.100	10.02804	50.0	Averaged	
Methyl Methacrylate	0.43202	0.40770	0.40770	0.100	5.62854	50.0	Averaged	
Propionitrile	0.05936	0.05665	0.05665	0.010	4.55698	50.0	Averaged	
Methyl Acrylate	0.47833	0.46110	0.46110	0.100	3.60225	50.0	Averaged	
Epichlorohydrin	200	291	0.00466	0.001	-45.65137	50.0	Quadratic	

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Form 8

Internal Standard Area and RT Summary

Volatiles by EPA 8260

Workorder

HS23080325

Client

Bhate Environmental Associates, Inc.

Project

LHAAP

08/10/2023

ALS Environmental–Houston Laboratory

10450 Stancliff Road, Suite 210, Houston, TX 77099

Phone (281) 530-5656 Fax (281) 530-5887

www.alsglobal.com

Form 8 - Internal Standard Area and RT Summary

Client Bhate Environmental Associates, Inc.

Project LHAAP

Workorder **HS23080325**

Volatiles by EPA 8260

VOA9_443493		Pentafluorobenzene				1,4-Difluorobenzene				Chlorobenzene				1,4-Dichlorobenze			
Sample ID	File ID	Area	#	RT	#	Area	#	RT	#	Area	#	RT	#	Area	#	RT	#
12-HOUR STD (CCV)	U080803.D	407824	#	4.81	#	589261	#	5.55	#	565790	#	8.19	#	325510	#	10.17	#
HS23080325-01	U080812.D	445191		4.81		584946		5.55		537954		8.19		291967		10.17	
HS23080325-10	U080810.D	454847		4.81		600743		5.55		551260		8.19		297394		10.17	
VBLKW-230808	U080807.D	431269		4.81		625112		5.55		566691		8.19		306722		10.17	
VLCSW-230808	U080805.D	430680		4.82		606353		5.55		572160		8.19		325675		10.17	
MS-ZZZZZZMS	U080814.D	405384		4.82		545222		5.55		508088		8.19		304006		10.17	
ZZZZZZMSD	U080815.D	463959		4.81		622950		5.55		589270		8.19		341696		10.17	

AREA UPPER LIMIT = +100% of 12H STD IS Area
AREA LOWER LIMIT = - 50% of 12H STD IS Area
RT - Retention IS - Internal StandardTime

RT UPPER LIMIT = + 0.50 of 12H STD IS RT
RT LOWER LIMIT = - 0.50 of 12H STD IS RT
CCV - Continuing Calibration Verification

- Area or RT Limit Flag
* - Value Outside Area or RT limits
H - Hour STD - Standard

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Analysis Run Log

Volatiles by EPA 8260

Workorder

HS23080325

Client

Bhate Environmental Associates, Inc.

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08/10/2023

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Form 13 - Analysis Run Log

Client Bhate Environmental Associates, Inc.

Project LHAAP

Workorder
HS23080325

RunID
VOA9-442900

Volatiles by EPA 8260

Run ID VOA9_442900 **Start Date** 07/31/23 **EndDate** 07/31/23

Inj. Time	Client Sample ID	Type	Lab Sample ID	File ID	Analysis Date	DF
11:08	BFB	TUNE	BFB	U073101.D	07/31/23	1
11:30	VSTD000.25	ICAL1	VSTD000.25	U073102.D	07/31/23	1
11:53	VSTD000.5	ICAL2	VSTD000.5	U073103.D	07/31/23	1
12:37	VSTD001	ICAL3	VSTD001	U073104.D	07/31/23	1
12:59	VSTD002	ICAL4	VSTD002	U073105.D	07/31/23	1
13:22	VSTD005	ICAL5	VSTD005	U073106.D	07/31/23	1
13:44	VSTD020	ICAL6	VSTD020	U073107.D	07/31/23	1
14:06	VSTD050	ICAL7	VSTD050	U073108.D	07/31/23	1
14:28	VSTD100	ICAL8	VSTD100	U073109.D	07/31/23	1
14:51	VSTD150	ICAL9	VSTD150	U073110.D	07/31/23	1
15:13	VSTD200	ICAL	VSTD200	U073111.D	07/31/23	1
15:57	CCV	ICV	CCV	U073113.D	07/31/23	1

Form 13 - Analysis Run Log

Client Bhate Environmental Associates, Inc.

Project LHAAP

Workorder
HS23080325

RunID
VOA9-443493

Volatiles by EPA 8260

Run ID VOA9_443493 **Start Date** 08/08/23 **EndDate** 08/08/23

Inj. Time	Client Sample ID	Type	Lab Sample ID	File ID	Analysis Date	DF
10:53	BFB	TUNE	BFB	U080801.D	08/08/23	1
11:37	CCV	CCV	CCV	U080803.D	08/08/23	1
12:00	CCB	CCB	CCB	U080804.D	08/08/23	1
12:22	VLCSW-230808	LCS	VLCSW-230808	U080805.D	08/08/23	1
13:17	VBLKW-230808	MBLK	VBLKW-230808	U080807.D	08/08/23	1
13:39	HS23080101-03	SAMP	ZZZZZZZZZZ	U080808.D	08/08/23	1
14:01	HS23080324-02	SAMP	ZZZZZZZZZZ	U080809.D	08/08/23	1
14:24	HS23080325-10	SAMP	Trip Blank	U080810.D	08/08/23	1
14:46	HS23080101-01	SAMP	ZZZZZZZZZZ	U080811.D	08/08/23	1
15:08	HS23080325-01	SAMP	35AWW27_080223	U080812.D	08/08/23	1
15:31	HS23080324-01	SAMP	ZZZZZZZZZZ	U080813.D	08/08/23	1
15:53	HS23080101-01MS	MS	ZZZZZZMS	U080814.D	08/08/23	1
16:16	HS23080101-01MSD	MSD	ZZZZZZMSD	U080815.D	08/08/23	1
16:38	CCV-END	CCV_END	CCV-END	U080816.D	08/08/23	1

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Raw Data VOA9 442900

Volatiles by EPA 8260

Workorder

HS23080325

Client

Bhate Environmental Associates, Inc.

Project

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08/10/2023

ALS Environmental–Houston Laboratory

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Data File: \\NAHSTWS005\Target\chem\voa9.i\U230731.b\U073101.D Page 1
Report Date: 31-Jul-2023 11:44

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230731.b\U073101.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 31-JUL-2023 11:08
Operator : PC Inst ID: VOA9.i
Smp Info : BFB;BFB;3;;BFB
Misc Info : V9;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa9.i\U230731.b\bfb.m
Meth Date : 27-Jan-2023 08:08 apoluri Quant Type: ISTD
Cal Date : 30-MAR-2018 18:09 Cal File: U033003.d
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: NAHSTW7051

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	2.000	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	
9.194	9.180	(0.000)	95	18893			0.00- 100.00	92.72
9.194	9.180	(0.000)	50	3365			15.00- 40.00	17.81
9.194	9.180	(0.000)	75	8705			30.00- 60.00	46.08
9.194	9.180	(0.000)	96	1333			5.00- 9.00	7.06
9.194	9.180	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
9.194	9.180	(0.000)	174	20377			50.00- 0.00	107.85
9.194	9.180	(0.000)	175	1810			5.00- 9.00	8.88
9.194	9.180	(0.000)	176	19363			95.00- 101.00	95.02
9.194	9.180	(0.000)	177	1200			5.00- 9.00	6.20

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.81
75	30.00 - 60.00% of mass 95	46.08
96	5.00 - 9.00% of mass 95	7.06
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	107.85
175	5.00 - 9.00% of mass 174	9.58 (8.88)
176	95.00 - 101.00% of mass 174	102.49 (95.02)
177	5.00 - 9.00% of mass 176	6.35 (6.20)

Data File: U073101.D
Spectrum: Average Spectrum: 9.209 to 9.224 min.
Location of Maximum: 174.00
Number of points: 167

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	27	77.00	277	125.00	23	175.00	1810
36.00	407	78.00	96	126.00	59	176.00	19360
37.00	1048	79.00	726	127.00	109	177.00	1200
38.00	948	80.00	297	128.00	104	178.00	109
39.00	593	81.00	653	129.00	49	180.00	10
40.00	558	82.00	297	130.00	66	181.00	34
41.00	374	83.00	139	131.00	111	184.00	11
42.00	203	84.00	153	132.00	11	185.00	15
43.00	221	86.00	121	133.00	10	187.00	48
44.00	655	87.00	968	134.00	37	188.00	22
45.00	249	88.00	1129	135.00	106	192.00	25
46.00	218	89.00	25	136.00	49	197.00	14
47.00	365	90.00	76	137.00	51	201.00	33
48.00	194	91.00	135	138.00	51	203.00	11
49.00	831	92.00	647	139.00	42	205.00	73
50.00	3365	93.00	911	140.00	14	206.00	10
51.00	1304	94.00	2311	141.00	329	207.00	29
52.00	166	95.00	18888	142.00	94	208.00	38
53.00	213	96.00	1333	143.00	328	209.00	25
54.00	153	97.00	111	144.00	29	214.00	22
55.00	238	98.00	90	145.00	105	215.00	15
56.00	339	99.00	115	146.00	56	216.00	35
57.00	551	100.00	24	147.00	104	219.00	78
58.00	126	102.00	159	148.00	48	227.00	10
59.00	113	103.00	14	149.00	75	229.00	49
60.00	282	104.00	160	150.00	106	230.00	43
61.00	885	105.00	61	152.00	22	232.00	10
62.00	951	106.00	137	153.00	48	236.00	26
63.00	815	107.00	71	155.00	138	237.00	10
64.00	206	108.00	110	156.00	33	238.00	64
65.00	371	109.00	48	157.00	71	239.00	26
66.00	134	110.00	134	158.00	23	240.00	38
67.00	96	111.00	58	159.00	100	243.00	22
68.00	1753	112.00	203	160.00	10	258.00	23
69.00	1825	114.00	119	161.00	48	263.00	41
70.00	227	116.00	200	162.00	29	267.00	12
71.00	82	117.00	256	163.00	28	298.00	21
72.00	151	118.00	96	167.00	11	308.00	11
73.00	783	119.00	230	170.00	58	316.00	11
74.00	3014	121.00	59	171.00	98	327.00	21
75.00	8705	123.00	85	172.00	638	345.00	43
76.00	822	124.00	25	174.00	20376		

Data File: \\nahstws005\target\chem\voa9.i\u230731.b\u073101.d Page 1

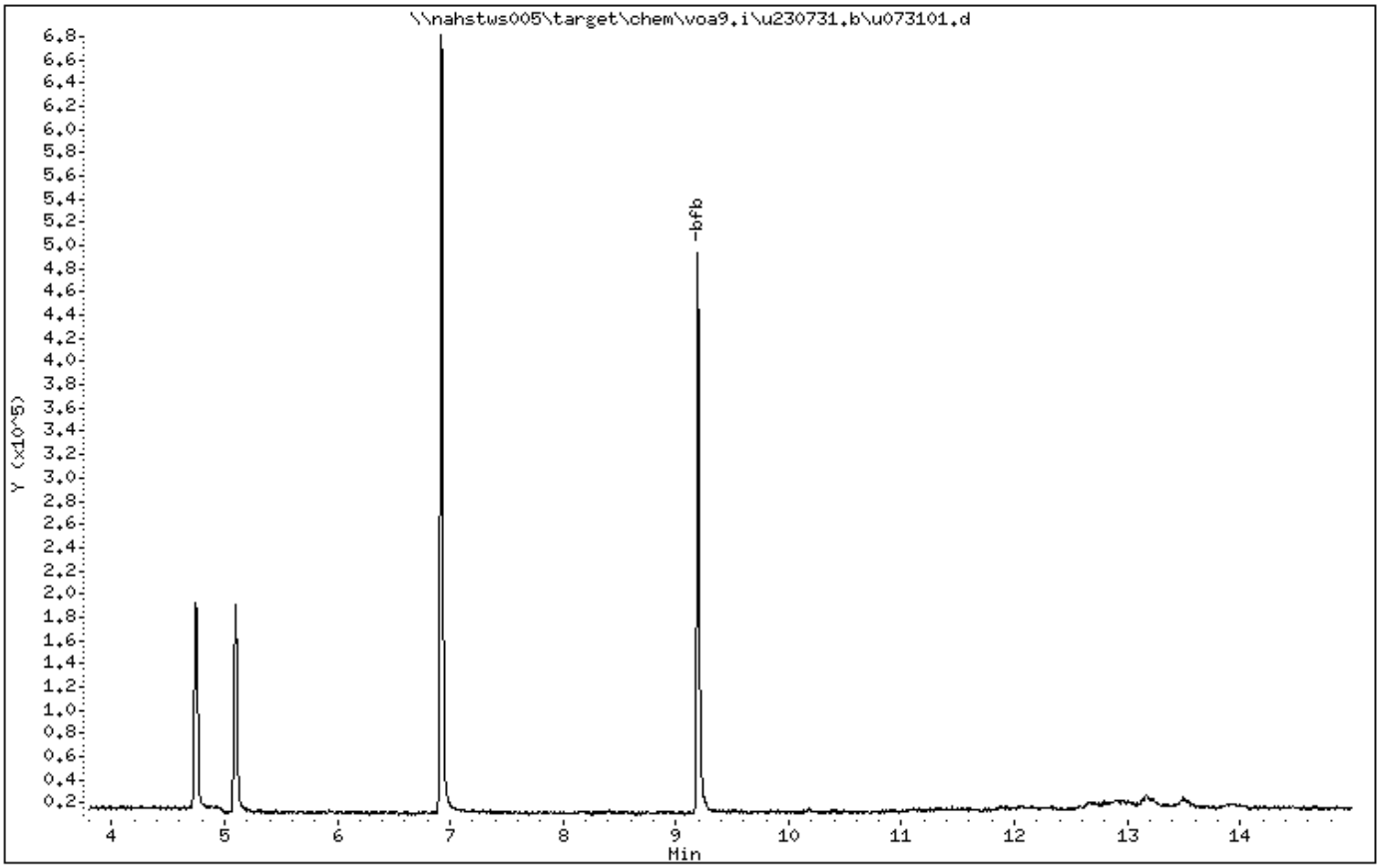
Date : 31-JUL-2023 11:08

Client ID: BFB Instrument: VOA9.i

Sample Info: BFB;BFB;3;;BFB

Volume Injected (uL): 2.0 Operator: PC

Column phase: DB624 Column diameter: 0.25



Data File : \\nahstws005\target\chem\voa9.i\u230731.b\u073101.d
Inj Date : 31-JUL-2023 11:08
InstruID : VOA9.i
LabSampID : BFB

NO MANUAL INTEGRATIONS

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230731.b\U073102.D
Lab Smp Id: VSTD000.25 Client Smp ID: VSTD000.25
Inj Date : 31-JUL-2023 11:30
Operator : PC Inst ID: VOA9.i
Smp Info : VSTD000.25;VSTD000.25;1;1;
Misc Info : V9;WATER;0;1;
Comment :
Method : \\NAHSTWS005\Target\chem\voa9.i\U230731.b\8260C.m
Meth Date : 07-Aug-2023 11:14 VOA9.i Quant Type: ISTD
Cal Date : 31-JUL-2023 14:06 Cal File: U073108.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 08260V9.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

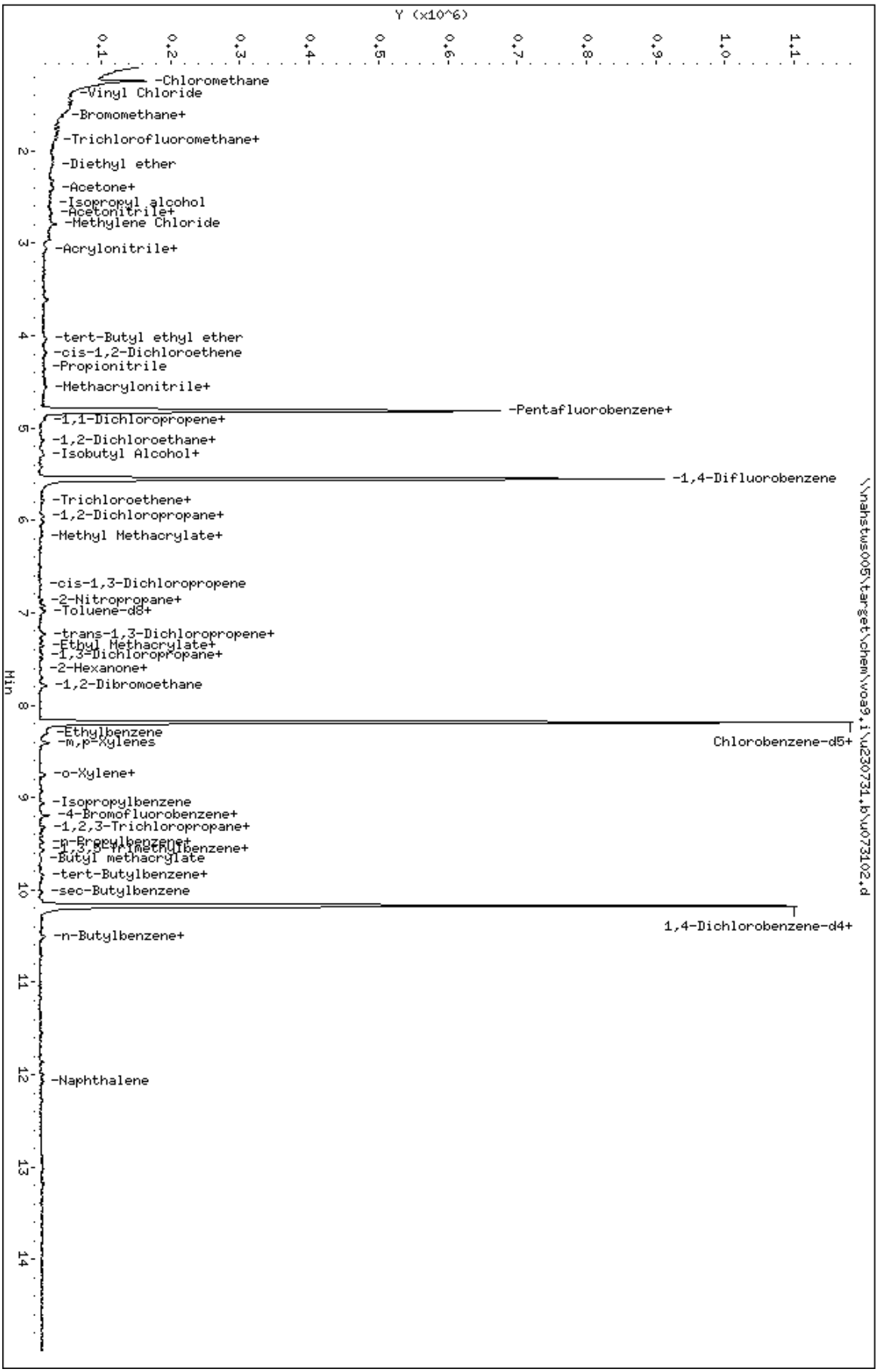
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
*	1 Pentafluorobenzene	168	4.811	4.811	(1.000)	496916	50.0000	
	2 Dichlorodifluoromethane	85	1.160	1.160	(0.241)	978	0.25000	1.45
	3 Chloromethane	50	1.291	1.291	(0.268)	2678	0.25000	0.11
	5 Vinyl Chloride	62	1.374	1.374	(0.286)	1552	0.25000	0.31
	6 Bromomethane	94	1.621	1.621	(0.337)	1788	0.25000	
	7 Chloroethane	64	1.693	1.693	(0.352)	1133	0.25000	0.36
	8 Trichlorofluoromethane	101	1.888	1.888	(0.392)	1401	0.25000	0.23
	9 Acrolein	56	1.816	1.816	(0.378)	882	0.50000	2.76
	10 Acetone	43	2.405	2.405	(0.500)	5678	0.50000	
	11 1,1-Dichloroethene	96	2.330	2.330	(0.484)	756	0.25000	0.23
	15 Iodomethane	142	2.457	2.457	(0.511)	1651	0.50000	3.94(T)
	16 Acrylonitrile	53	3.065	3.065	(0.637)	1221	0.50000	0.78
	17 Methylene Chloride	84	2.791	2.791	(0.580)	4067	0.25000	0.83
	18 Methyl tert-butyl ether	73	3.080	3.080	(0.640)	2887	0.25000	0.28
	20 trans-1,2-Dichloroethene	96	3.057	3.057	(0.635)	1110	0.25000	0.30(T)
	27 cis-1,2-Dichloroethene	96	4.185	4.185	(0.870)	1135	0.25000	0.27
	28 Chloroform	83	4.568	4.568	(0.949)	2583	0.25000	0.33
	29 Bromochloromethane	128	4.459	4.459	(0.927)	932	0.25000	0.38
$	30 Dibromofluoromethane	113	4.744	4.744	(0.986)	1672	0.25000	
	31 1,1,1-Trichloroethane	97	4.740	4.740	(0.985)	1600	0.25000	0.26

32 1,1-Dichloropropene	75	4.913	4.913 (0.885)	1314	0.25000	0.24
33 1,2-Dichloroethane	62	5.175	5.175 (0.932)	2443	0.25000	0.40

		QUANT SIG					AMOUNTS CAL-AMT	AMOUNTS ON-COL
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/l)	(ug/l)
	34 Carbon Tetrachloride	117	4.901	4.901	(0.883)	1067	0.25000	0.22
$	35 1,2-Dichloroethane-d4	65	5.100	5.100	(1.060)	1633	0.25000	(T)
*	36 1,4-Difluorobenzene	114	5.550	5.550	(1.000)	707855	50.0000	
	37 Benzene	78	5.134	5.134	(0.925)	5117	0.25000	0.29
	38 Trichloroethene	130	5.786	5.786	(1.043)	1555	0.25000	0.31
	42 1,2-Dichloropropane	63	6.011	6.011	(1.083)	1647	0.25000	0.35
	44 Dibromomethane	93	6.120	6.120	(1.103)	983	0.25000	0.33
	45 4-Methyl-2-Pentanone	43	6.862	6.862	(0.838)	2668	0.50000	0.55
	46 cis-1,3-Dichloropropene	75	6.693	6.693	(1.206)	1425	0.25000	2.39
*	47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	641569	50.0000	
$	48 Toluene-d8	98	6.922	6.922	(0.846)	5646	0.25000	0.37
	50 Toluene	91	6.978	6.978	(0.853)	4604	0.25000	0.26
	51 trans-1,3-Dichloropropene	75	7.203	7.203	(1.298)	1070	0.25000	0.20
	52 2-Hexanone	43	7.604	7.604	(0.929)	1668	0.50000	0.52
	53 1,1,2-Trichloroethane	83	7.357	7.357	(0.899)	1284	0.25000	0.34
	54 1,3-Dichloropropane	76	7.499	7.499	(0.916)	2426	0.25000	0.31
	55 Dibromochloromethane	129	7.690	7.690	(0.940)	1272	0.25000	0.27
	56 Tetrachloroethene	164	7.454	7.454	(0.911)	1159	0.25000	0.27
	57 1,2-Dibromoethane	107	7.788	7.788	(0.951)	1274	0.25000	0.28
	58 1-Chlorohexane	55	8.185	8.185	(1.475)	6173	0.25000	1.67
	59 Chlorobenzene	112	8.212	8.212	(1.003)	3729	0.25000	0.30
	60 1,1,1,2-Tetrachloroethane	131	8.283	8.283	(1.012)	1356	0.25000	0.30
	61 Ethylbenzene	106	8.305	8.305	(1.015)	1736	0.25000	0.31
	62 m,p-Xylenes	106	8.406	8.406	(1.027)	3937	0.50000	0.59
	63 o-Xylene	106	8.748	8.748	(1.069)	1597	0.25000	0.24
	64 Styrene	104	8.766	8.766	(1.071)	2398	0.25000	0.23
	67 Isopropylbenzene	105	9.062	9.062	(1.107)	3195	0.25000	0.20
$	69 4-Bromofluorobenzene	95	9.197	9.197	(1.124)	4338	0.25000	
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	303700	50.0000	
	71 1,2,3-Trichloropropane	75	9.366	9.366	(0.921)	1619	0.25000	0.31
	73 n-Propylbenzene	91	9.411	9.411	(0.925)	3466	0.25000	1.83
	74 Bromobenzene	156	9.325	9.325	(0.917)	1662	0.25000	0.33
	75 1,3,5-Trimethylbenzene	105	9.561	9.561	(0.940)	2570	0.25000	0.24
	76 2-Chlorotoluene	91	9.482	9.482	(0.932)	2465	0.25000	0.23
	77 4-Chlorotoluene	91	9.580	9.580	(0.942)	2129	0.25000	0.17
	78 tert-Butylbenzene	119	9.838	9.838	(0.967)	2549	0.25000	0.25
	79 1,2,4-Trimethylbenzene	105	9.880	9.880	(0.971)	2409	0.25000	0.22
	81 sec-Butylbenzene	105	10.022	10.022	(0.985)	2455	0.25000	
	82 p-Isopropyltoluene	119	10.150	10.150	(0.998)	2272	0.25000	
	83 1,3-Dichlorobenzene	146	10.120	10.120	(0.995)	2413	0.25000	0.28
	84 1,4-Dichlorobenzene	146	10.187	10.187	(1.001)	3376	0.25000	0.36
	87 n-Butylbenzene	91	10.494	10.494	(1.032)	1965	0.25000	2.57
	88 1,2-Dichlorobenzene	146	10.506	10.506	(1.033)	2767	0.25000	0.32
	92 Naphthalene	128	12.073	12.073	(1.187)	3872	0.25000	1.85
M	94 1,2-Dichloroethylene (total)	96				2245	0.50000	
M	95 Xylenes (total)	106				5534	0.75000	
	135 1,4-Dioxane	88	6.176	6.176	(1.284)	401	5.00000	5.62(M)
	141 Cyclohexane	56	4.811	4.811	(1.000)	8671	0.25000	1.55
	138 Freon TF	101	2.322	2.322	(0.483)	707	0.25000	
	147 Methylcyclohexane	55	5.951	5.951	(1.072)	2978	0.25000	0.28

QC Flag Legend

T - Target compound detected outside RT window.
M - Compound response manually integrated.



Data File: \\nahstws005\target\chem\voa9,i\u230731,b\u073102,d
Date : 31-JUL-2023 11:30
Client ID: VSTD000,25
Sample Info: VSTD000,25;VSTD000,25;1;1;
Purge Volume: 5.0
Column phase: DB624

Instrument: VOA9,i
Operator: PC
Column diameter: 0.18

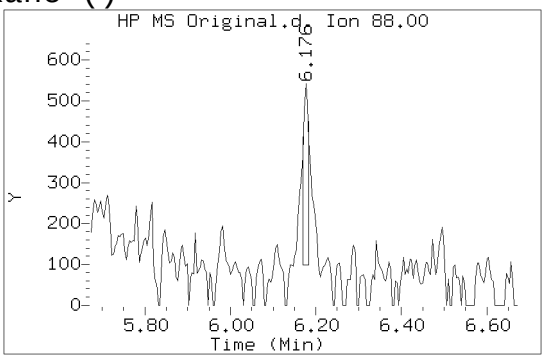
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Inj Date : 31-JUL-2023 11:30
InstruID : VOA9.i
LabSampID : VSTD000.25

1,4-Dioxane ()

Reason Code:

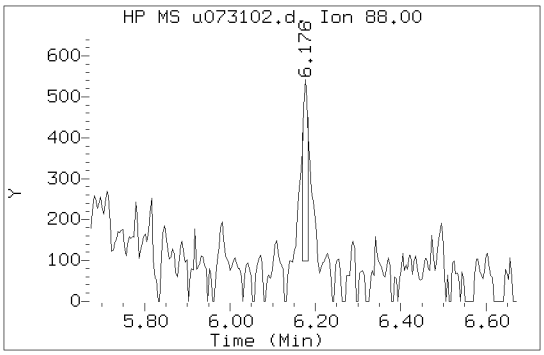
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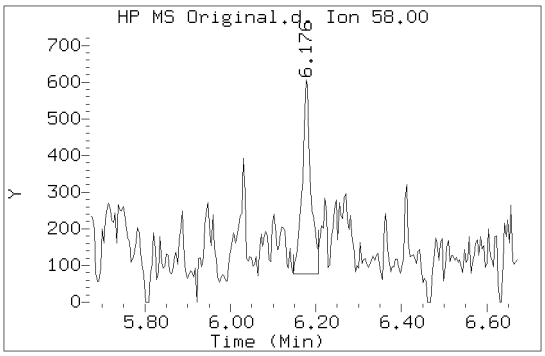
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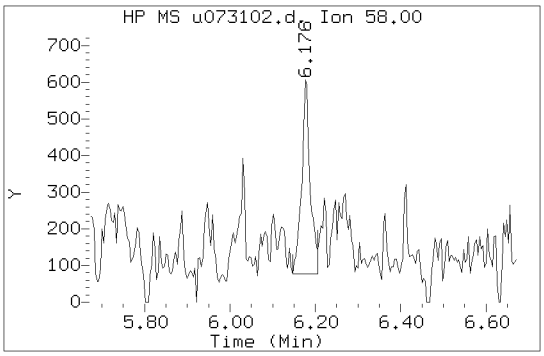
BEFORE

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01-Aug-2023
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AFTER

MASS
58
AREA
763
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01-Aug-2023
20:56



Data File: \\NAHSTWS005\Target\chem\voa9.i\U230731.b\U073103.D Page 1
Report Date: 07-Aug-2023 11:14

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230731.b\U073103.D
Lab Smp Id: VSTD000.5 Client Smp ID: VSTD000.5
Inj Date : 31-JUL-2023 11:53
Operator : PC Inst ID: VOA9.i
Smp Info : VSTD000.5;VSTD000.5;1;2;
Misc Info : V9;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa9.i\U230731.b\8260C.m
Meth Date : 07-Aug-2023 11:14 VOA9.i Quant Type: ISTD
Cal Date : 31-JUL-2023 11:30 Cal File: U073102.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 08260V9.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
* 1	Pentafluorobenzene	168	4.815	4.815	(1.000)	469659	50.0000	
2	Dichlorodifluoromethane	85	1.164	1.164	(0.242)	2205	0.50000	1.73(M)
3	Chloromethane	50	1.295	1.295	(0.269)	3690	0.50000	0.32(M)
5	Vinyl Chloride	62	1.374	1.374	(0.285)	2466	0.50000	0.53(M)
6	Bromomethane	94	1.618	1.618	(0.336)	1966	0.50000	(M)
7	Chloroethane	64	1.696	1.696	(0.352)	1758	0.50000	0.60(M)
8	Trichlorofluoromethane	101	1.891	1.891	(0.393)	3036	0.50000	0.53
9	Acrolein	56	1.741	1.741	(0.362)	302	1.00000	1.00(M)
10	Acetone	43	2.412	2.412	(0.501)	6516	1.00000	
11	1,1-Dichloroethene	96	2.334	2.334	(0.485)	1618	0.50000	0.52(M)
15	Iodomethane	142	2.465	2.465	(0.512)	3031	1.00000	4.45
16	Acrylonitrile	53	3.068	3.068	(0.637)	1466	1.00000	0.99
17	Methylene Chloride	84	2.795	2.795	(0.580)	2838	0.50000	0.56(M)
18	Methyl tert-butyl ether	73	3.080	3.080	(0.640)	5238	0.50000	0.54
19	Carbon Disulfide	76	2.517	2.517	(0.523)	10100	1.00000	1.12
20	trans-1,2-Dichloroethene	96	3.053	3.053	(0.634)	2038	0.50000	0.58(M)
21	Vinyl Acetate	43	3.612	3.612	(0.750)	10832	1.00000	1.09(M)
22	1,1-Dichloroethane	63	3.511	3.511	(0.729)	3735	0.50000	0.58(M)
24	2-Butanone	43	4.272	4.272	(0.887)	2140	1.00000	1.15(M)
26	2,2-Dichloropropane	77	4.182	4.182	(0.868)	2117	0.50000	0.48

27 cis-1,2-Dichloroethene	96	4.200	4.200 (0.872)	2083	0.50000	0.53
28 Chloroform	83	4.572	4.572 (0.949)	4366	0.50000	0.59

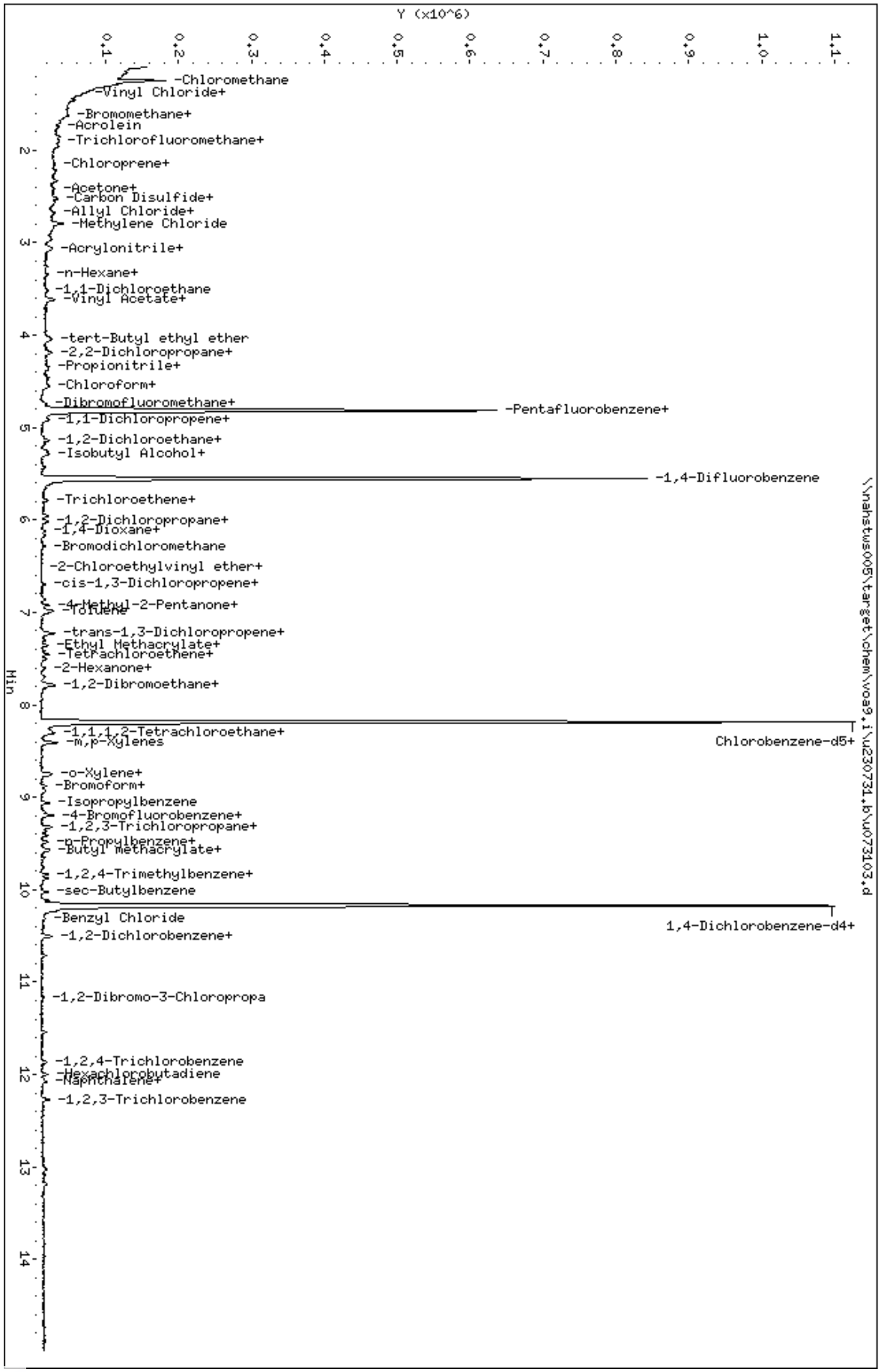
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	29 Bromochloromethane	128	4.459	4.459	(0.926)	1195	0.50000	0.52(M)
$	30 Dibromofluoromethane	113	4.748	4.748	(0.986)	2118	0.50000	
	31 1,1,1-Trichloroethane	97	4.740	4.740	(0.984)	3083	0.50000	0.53
	32 1,1-Dichloropropene	75	4.916	4.916	(0.885)	2695	0.50000	0.54(M)
	33 1,2-Dichloroethane	62	5.179	5.179	(0.933)	3164	0.50000	0.55
	34 Carbon Tetrachloride	117	4.909	4.909	(0.884)	2525	0.50000	0.57(M)
$	35 1,2-Dichloroethane-d4	65	5.100	5.100	(1.059)	2440	0.50000	(M)
*	36 1,4-Difluorobenzene	114	5.554	5.554	(1.000)	661682	50.0000	
	37 Benzene	78	5.138	5.138	(0.925)	9106	0.50000	0.56
	38 Trichloroethene	130	5.786	5.786	(1.042)	2624	0.50000	0.57
	39 Bromodichloromethane	83	6.281	6.281	(1.131)	2588	0.50000	0.50(M)
	41 2-Chloroethylvinyl ether	63	6.585	6.585	(1.186)	114	1.00000	0.44(M)
	42 1,2-Dichloropropane	63	6.007	6.007	(1.082)	2595	0.50000	0.59
	44 Dibromomethane	93	6.120	6.120	(1.102)	1420	0.50000	0.51(M)
	45 4-Methyl-2-Pentanone	43	6.858	6.858	(0.838)	4822	1.00000	1.04
	46 cis-1,3-Dichloropropene	75	6.693	6.693	(1.205)	3082	0.50000	2.64
*	47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	618112	50.0000	
$	48 Toluene-d8	98	6.922	6.922	(0.846)	8612	0.50000	0.59(M)
	50 Toluene	91	6.982	6.982	(0.853)	9602	0.50000	0.57
	51 trans-1,3-Dichloropropene	75	7.203	7.203	(1.297)	2626	0.50000	0.52(M)
	52 2-Hexanone	43	7.600	7.600	(0.929)	3055	1.00000	1.00
	53 1,1,2-Trichloroethane	83	7.357	7.357	(0.899)	2027	0.50000	0.56(M)
	54 1,3-Dichloropropane	76	7.499	7.499	(0.916)	4407	0.50000	0.59(M)
	55 Dibromochloromethane	129	7.690	7.690	(0.940)	2473	0.50000	0.55(M)
	56 Tetrachloroethene	164	7.458	7.458	(0.911)	2244	0.50000	0.54
	57 1,2-Dibromoethane	107	7.788	7.788	(0.951)	2440	0.50000	0.56(M)
	58 1-Chlorohexane	55	8.197	8.197	(1.476)	1840	0.50000	0.53(M)
	59 Chlorobenzene	112	8.212	8.212	(1.003)	6853	0.50000	0.57(M)
	60 1,1,1,2-Tetrachloroethane	131	8.283	8.283	(1.012)	2648	0.50000	0.60
	61 Ethylbenzene	106	8.309	8.309	(1.015)	3091	0.50000	0.57
	62 m,p-Xylenes	106	8.410	8.410	(1.027)	6440	1.00000	1.01
	63 o-Xylene	106	8.744	8.744	(1.068)	3233	0.50000	0.52
	64 Styrene	104	8.763	8.763	(1.071)	4750	0.50000	0.49(M)
	66 Bromoform	173	8.920	8.920	(1.090)	1569	0.50000	0.50(M)
	67 Isopropylbenzene	105	9.062	9.062	(1.107)	7003	0.50000	0.46(M)
	68 1,1,2,2-Tetrachloroethane	83	9.329	9.329	(0.917)	3564	0.50000	0.60(M)
$	69 4-Bromofluorobenzene	95	9.197	9.197	(1.124)	5057	0.50000	(M)
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	308084	50.0000	
	71 1,2,3-Trichloropropane	75	9.362	9.362	(0.920)	2643	0.50000	0.51
	73 n-Propylbenzene	91	9.415	9.415	(0.926)	7058	0.50000	2.03
	74 Bromobenzene	156	9.321	9.321	(0.916)	2743	0.50000	0.53
	75 1,3,5-Trimethylbenzene	105	9.565	9.565	(0.940)	5406	0.50000	0.50(M)
	76 2-Chlorotoluene	91	9.482	9.482	(0.932)	5806	0.50000	0.53(M)
	77 4-Chlorotoluene	91	9.580	9.580	(0.942)	6267	0.50000	0.51(M)
	78 tert-Butylbenzene	119	9.835	9.835	(0.967)	5184	0.50000	0.50(M)
	79 1,2,4-Trimethylbenzene	105	9.880	9.880	(0.971)	5024	0.50000	0.46
	81 sec-Butylbenzene	105	10.022	10.022	(0.985)	5696	0.50000	(M)
	82 p-Isopropyltoluene	119	10.150	10.150	(0.998)	5403	0.50000	(M)
	83 1,3-Dichlorobenzene	146	10.116	10.116	(0.994)	4945	0.50000	0.58
	84 1,4-Dichlorobenzene	146	10.191	10.191	(1.002)	5577	0.50000	0.59(M)
	87 n-Butylbenzene	91	10.494	10.494	(1.032)	4114	0.50000	2.76(M)
	88 1,2-Dichlorobenzene	146	10.509	10.509	(1.033)	4844	0.50000	0.55

89	1,2-Dibromo-3-Chloropropane	155	11.169	11.169 (1.098)	447	0.50000	0.52(M)
90	1,2,4-Trichlorobenzene	180	11.863	11.863 (1.166)	2709	0.50000	0.50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	91 Hexachlorobutadiene	225	11.998	11.998	(1.179)	1126	0.50000	(M)
	92 Naphthalene	128	12.073	12.073	(1.187)	6182	0.50000	2.01
	93 1,2,3-Trichlorobenzene	180	12.275	12.275	(1.207)	3219	0.50000	0.58(M)
M	94 1,2-Dichloroethylene (total)	96				4121	1.00000	
M	95 Xylenes (total)	106				9673	1.50000	
	135 1,4-Dioxane	88	6.176	6.176	(1.283)	808	10.0000	11.99(M)
	141 Cyclohexane	56	4.793	4.793	(0.995)	2383	0.50000	0.45(M)
	138 Freon TF	101	2.334	2.334	(0.485)	1250	0.50000	(M)
	140 1,3-Butadiene	54	1.400	1.400	(0.291)	1979	0.50000	0.52(M)
	147 Methylcyclohexane	55	5.955	5.955	(1.072)	4995	0.50000	0.51(M)
	146 Methyl Acetate	43	2.716	2.716	(0.564)	1992	0.50000	0.59(M)

QC Flag Legend

M - Compound response manually integrated.



Data File: \\nahstws005\target\chem\voa9,i\u230731,b\u073103,d
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Sample Info: VSTD000.5;VSTD000.5;1;2;
Purge Volume: 5.0
Column phase: DB624

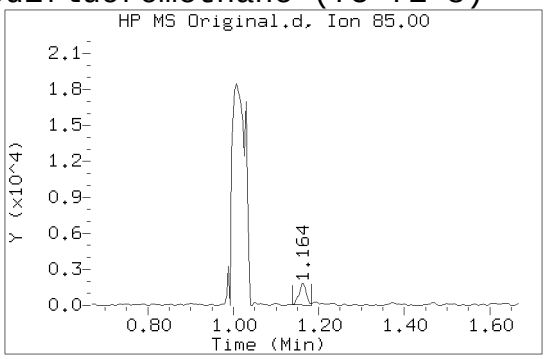
Instrument: VOA9,i
Operator: PC
Column diameter: 0.18

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Inj Date : 31-JUL-2023 11:53
InstruID : VOA9.i
LabSampID : VSTD000.5

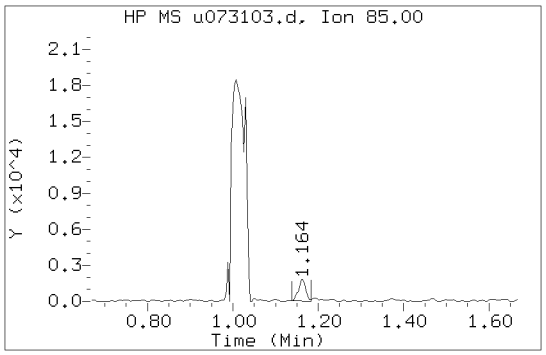
Dichlorodifluoromethane (75-71-8)

Reason Code:

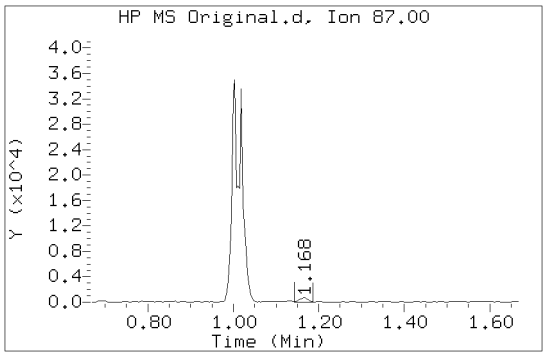
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01-Aug-2023
21:03



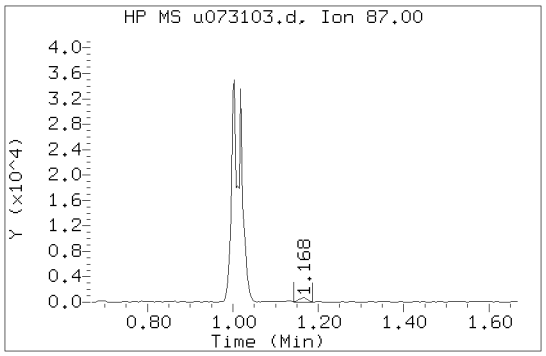
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BEFORE
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01-Aug-2023
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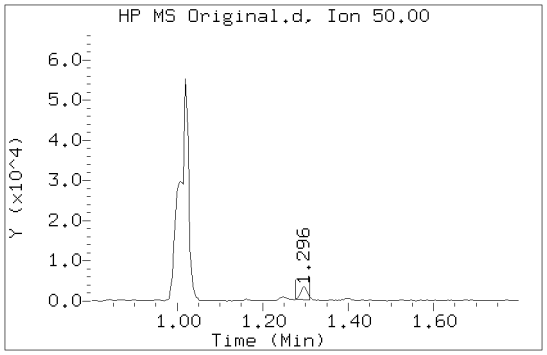
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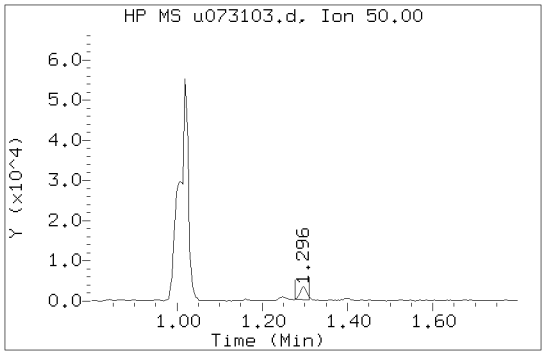
Chloromethane (74-87-3)

Reason Code:

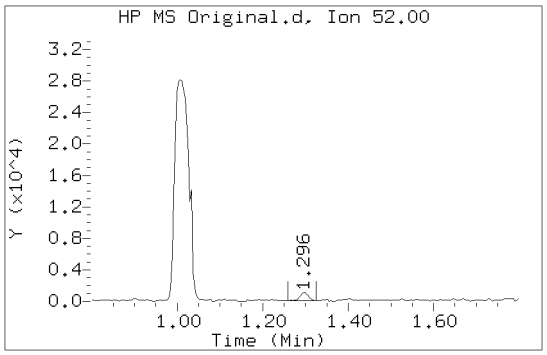
BEFORE
MASS
50
AREA
3690
HEIGHT
3256
01-Aug-2023
21:03



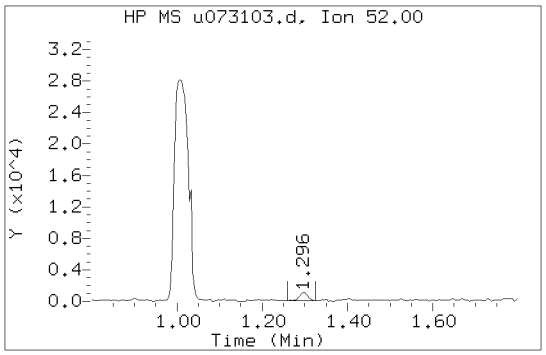
AFTER
MASS
50
AREA
3690
HEIGHT
3256
01-Aug-2023
21:03



BEFORE
MASS
52
AREA
1545
HEIGHT
1076
01-Aug-2023
21:03



AFTER
MASS
52
AREA
1545
HEIGHT
1076
01-Aug-2023
21:03

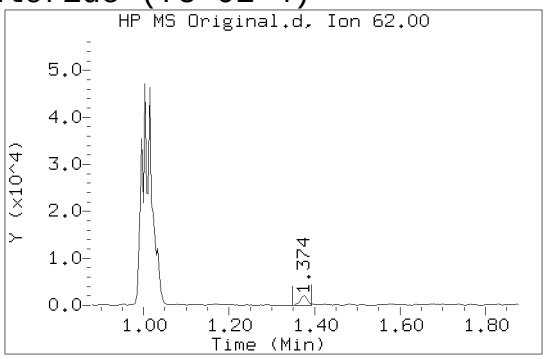


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InstruID : VOA9.i
LabSampID : VSTD000.5

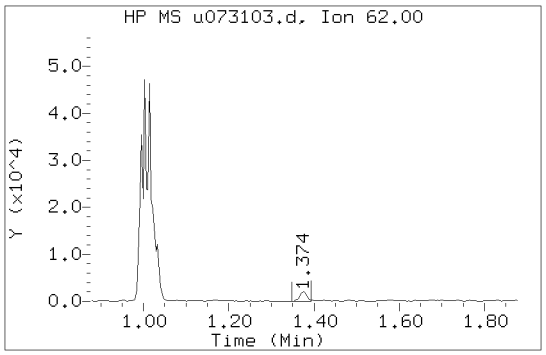
Vinyl Chloride (75-01-4)

Reason Code:

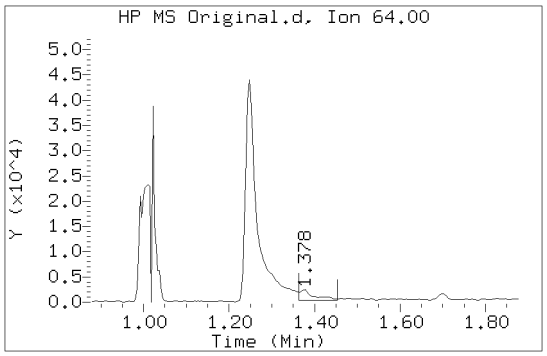
BEFORE
MASS
62
AREA
2466
HEIGHT
2016
01-Aug-2023
21:03



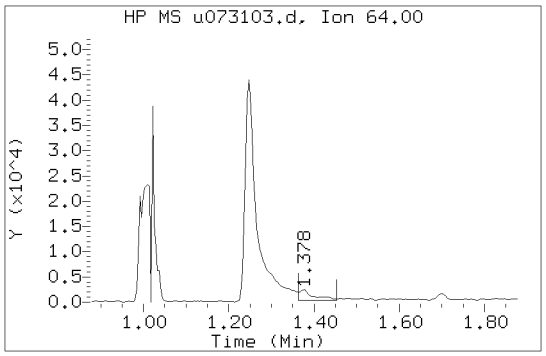
AFTER
MASS
62
AREA
2466
HEIGHT
2016
01-Aug-2023
21:03



BEFORE
MASS
64
AREA
5060
HEIGHT
2161
01-Aug-2023
21:03



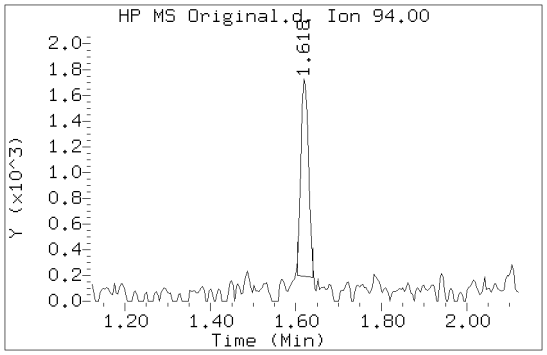
AFTER
MASS
64
AREA
5060
HEIGHT
2161
01-Aug-2023
21:03



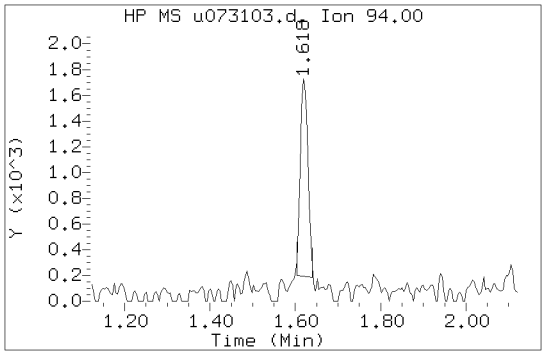
Bromomethane (74-83-9)

Reason Code:

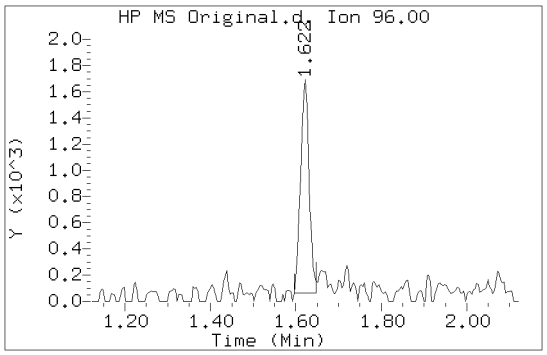
BEFORE
MASS
94
AREA
1966
HEIGHT
1531
01-Aug-2023
21:03



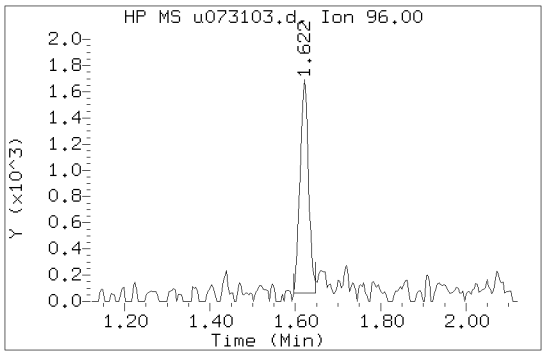
AFTER
MASS
94
AREA
1966
HEIGHT
1531
01-Aug-2023
21:03



BEFORE
MASS
96
AREA
2314
HEIGHT
1629
01-Aug-2023
21:03



AFTER
MASS
96
AREA
2314
HEIGHT
1629
01-Aug-2023
21:03

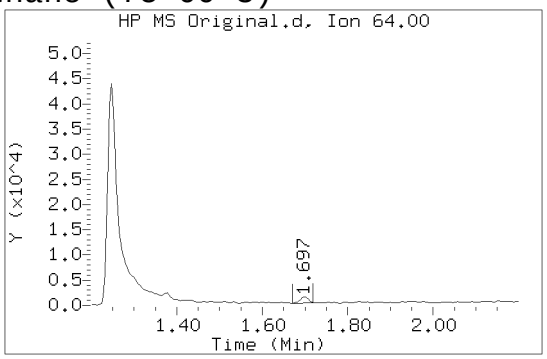


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InstruID : VOA9.i
LabSampID : VSTD000.5

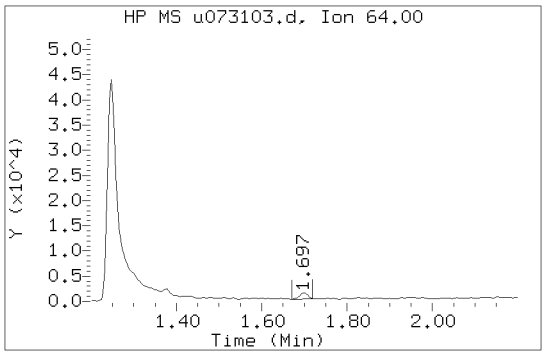
Chloroethane (75-00-3)

Reason Code:

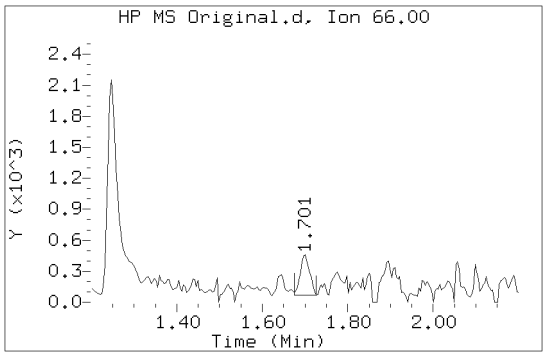
BEFORE
MASS
64
AREA
1758
HEIGHT
1241
01-Aug-2023
21:03



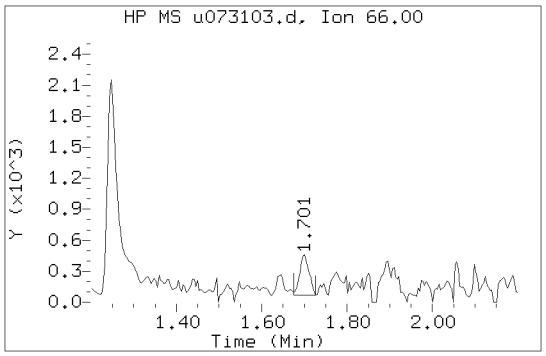
AFTER
MASS
64
AREA
1758
HEIGHT
1241
01-Aug-2023
21:03



BEFORE
MASS
66
AREA
610
HEIGHT
392
01-Aug-2023
21:03



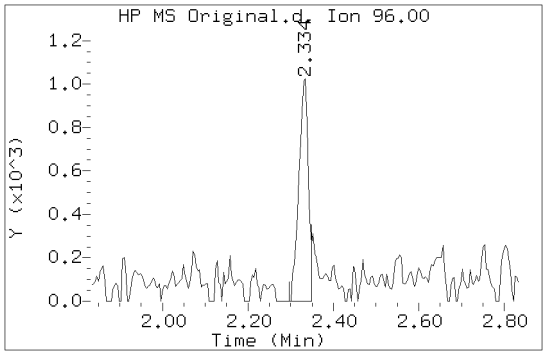
AFTER
MASS
66
AREA
610
HEIGHT
392
01-Aug-2023
21:03



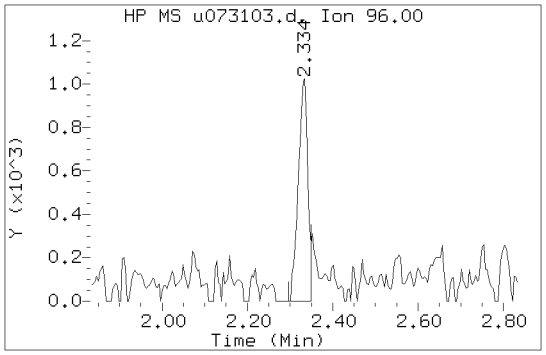
1,1-Dichloroethene (75-35-4)

Reason Code:

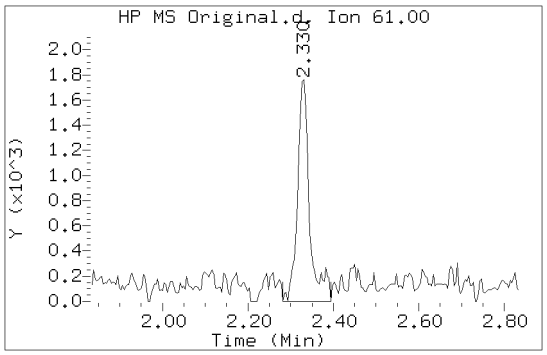
BEFORE
MASS
96
AREA
1618
HEIGHT
1024
01-Aug-2023
21:03



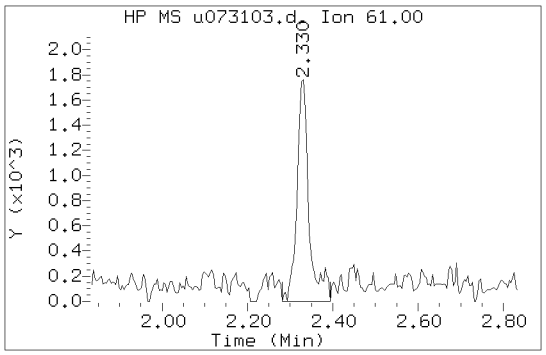
AFTER
MASS
96
AREA
1618
HEIGHT
1024
01-Aug-2023
21:03



BEFORE
MASS
61
AREA
3475
HEIGHT
1761
01-Aug-2023
21:03



AFTER
MASS
61
AREA
3475
HEIGHT
1761
01-Aug-2023
21:03



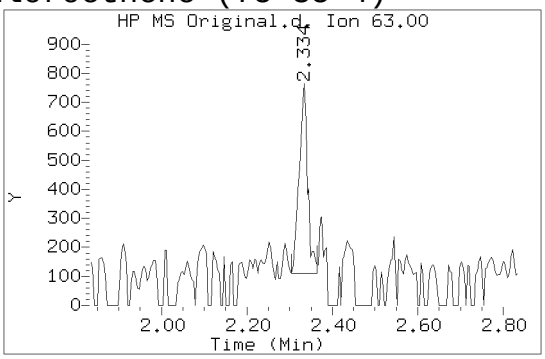
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InstruID : VOA9.i
LabSampID : VSTD000.5

1,1-Dichloroethene (75-35-4)

Reason Code:

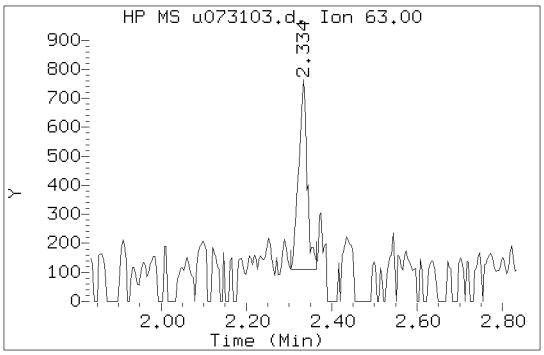
BEFORE

MASS
63
AREA
911
HEIGHT
654
01-Aug-2023
21:03



AFTER

MASS
63
AREA
911
HEIGHT
654
01-Aug-2023
21:03

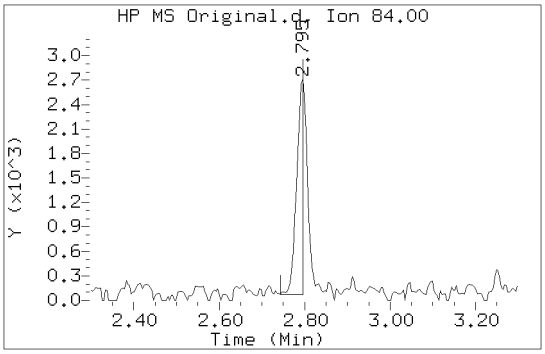


Methylene Chloride (75-09-2)

Reason Code:

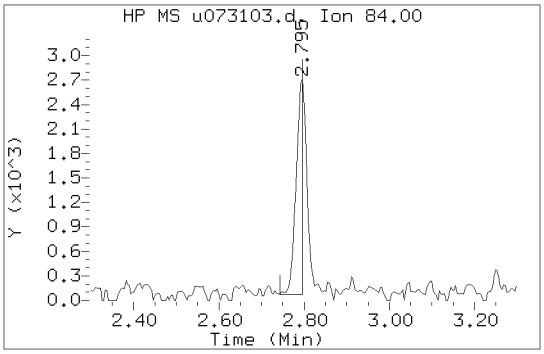
BEFORE

MASS
84
AREA
2838
HEIGHT
2649
01-Aug-2023
21:03



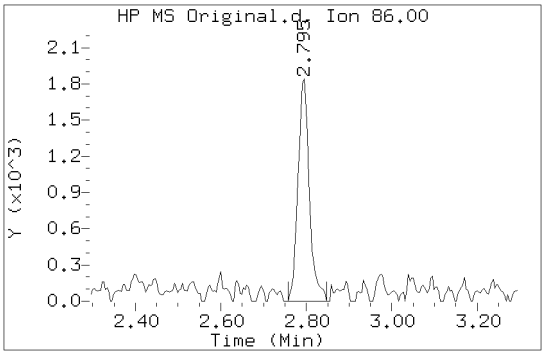
AFTER

MASS
84
AREA
2838
HEIGHT
2649
01-Aug-2023
21:03



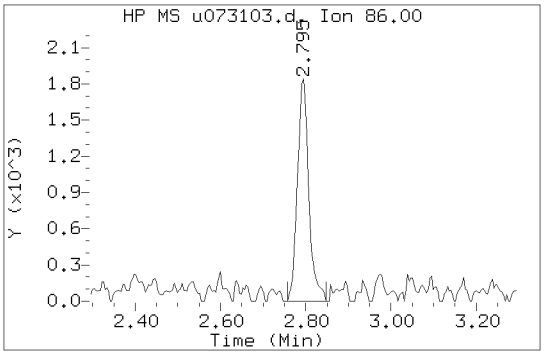
BEFORE

MASS
86
AREA
3474
HEIGHT
1841
01-Aug-2023
21:03



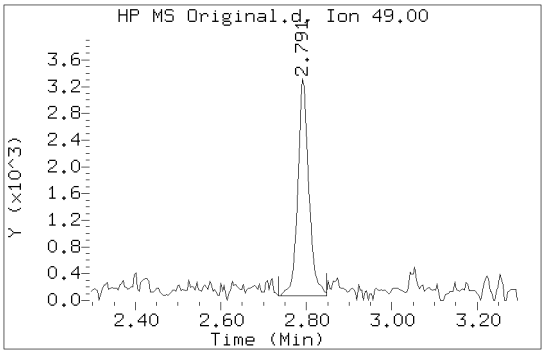
AFTER

MASS
86
AREA
3474
HEIGHT
1841
01-Aug-2023
21:03



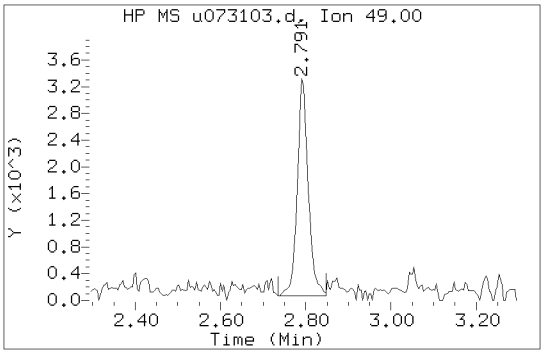
BEFORE

MASS
49
AREA
5941
HEIGHT
3251
01-Aug-2023
21:03



AFTER

MASS
49
AREA
5941
HEIGHT
3251
01-Aug-2023
21:03

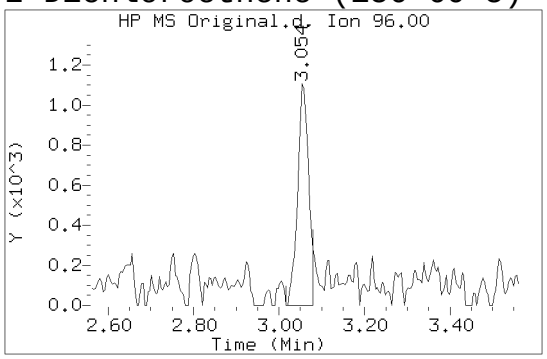


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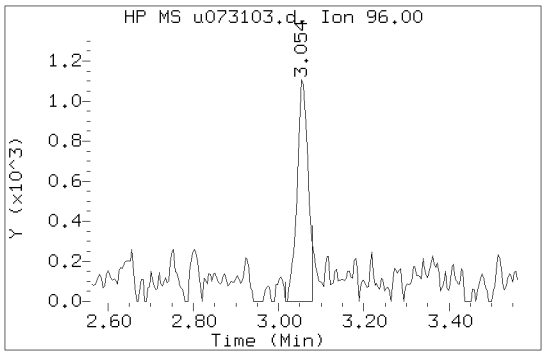
trans-1,2-Dichloroethene (156-60-5)

Reason Code:

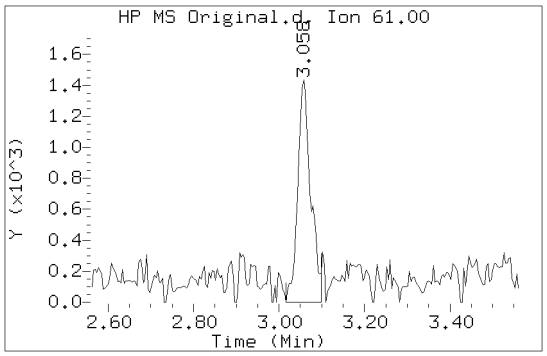
BEFORE
MASS
96
AREA
2038
HEIGHT
1107
01-Aug-2023
21:03



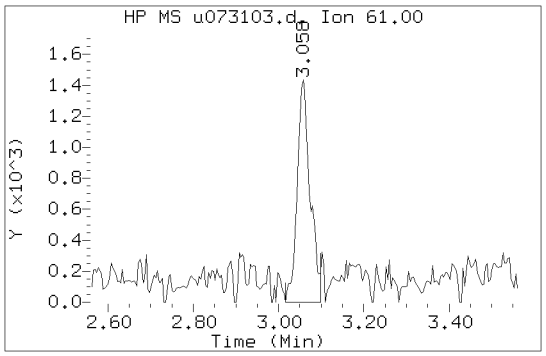
AFTER
MASS
96
AREA
2038
HEIGHT
1107
01-Aug-2023
21:03



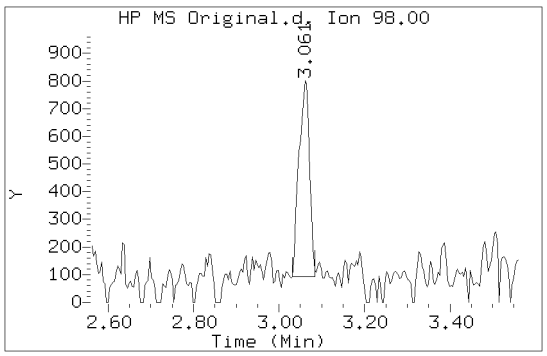
BEFORE
MASS
61
AREA
3084
HEIGHT
1435
01-Aug-2023
21:03



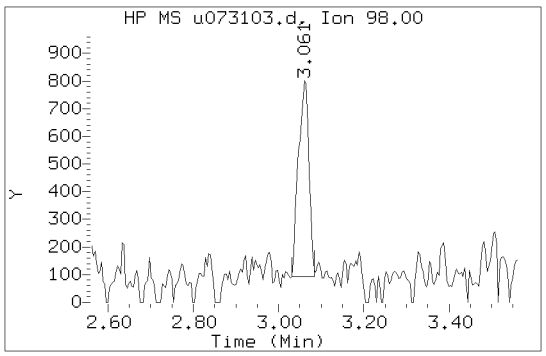
AFTER
MASS
61
AREA
3084
HEIGHT
1435
01-Aug-2023
21:03



BEFORE
MASS
98
AREA
1242
HEIGHT
708
01-Aug-2023
21:03



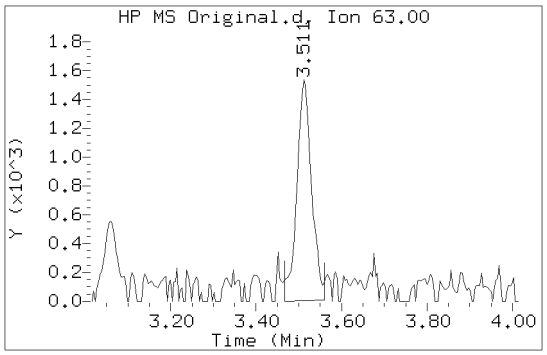
AFTER
MASS
98
AREA
1242
HEIGHT
708
01-Aug-2023
21:03



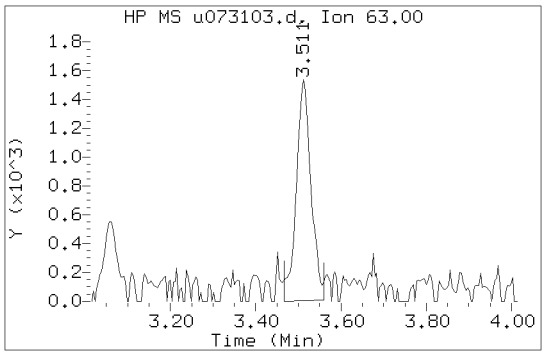
1,1-Dichloroethane (75-34-3)

Reason Code:

BEFORE
MASS
63
AREA
3735
HEIGHT
1534
01-Aug-2023
21:03



AFTER
MASS
63
AREA
3735
HEIGHT
1534
01-Aug-2023
21:03

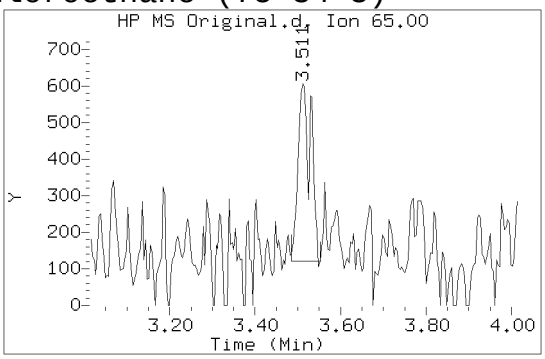


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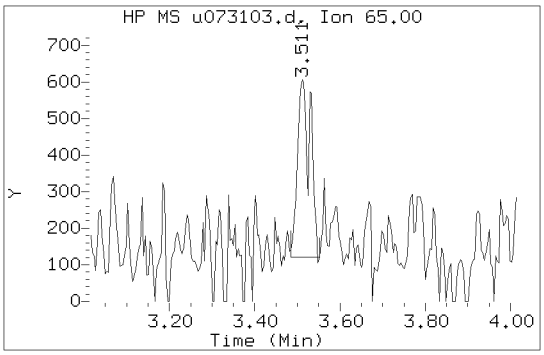
1,1-Dichloroethane (75-34-3)

Reason Code:

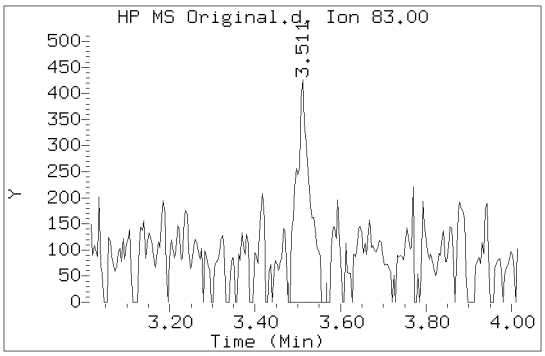
BEFORE
MASS
65
AREA
1020
HEIGHT
485
01-Aug-2023
21:03



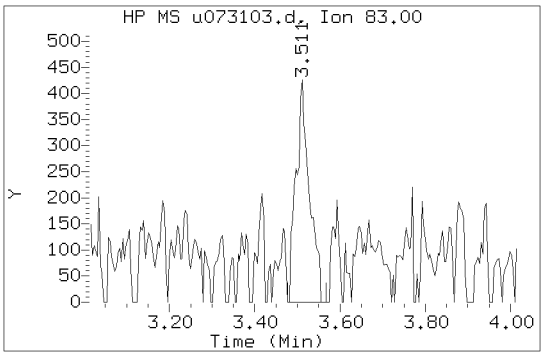
AFTER
MASS
65
AREA
1020
HEIGHT
485
01-Aug-2023
21:03



BEFORE
MASS
83
AREA
939
HEIGHT
426
01-Aug-2023
21:03



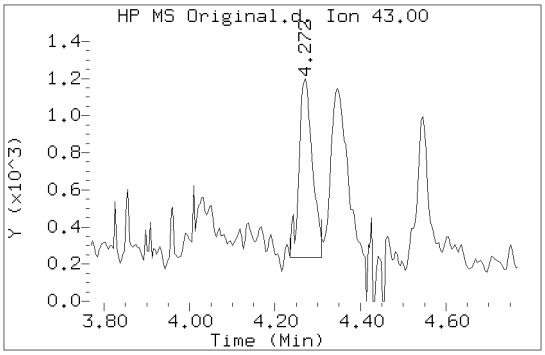
AFTER
MASS
83
AREA
939
HEIGHT
426
01-Aug-2023
21:03



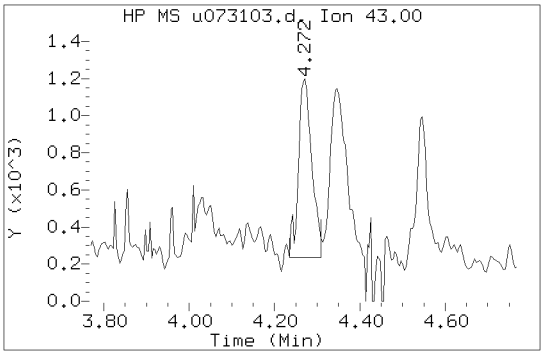
2-Butanone (78-93-3)

Reason Code:

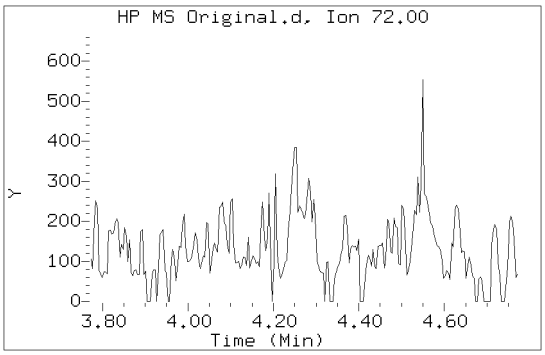
BEFORE
MASS
43
AREA
2140
HEIGHT
962
01-Aug-2023
21:03



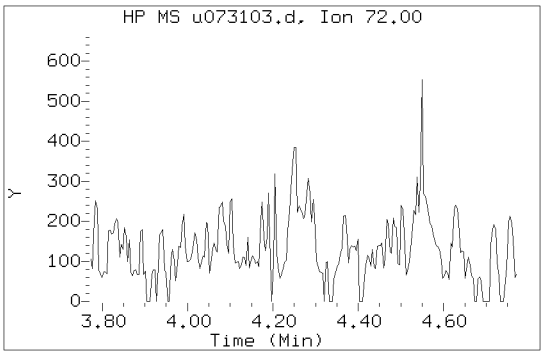
AFTER
MASS
43
AREA
2140
HEIGHT
962
01-Aug-2023
21:03



BEFORE
MASS
72
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER
MASS
72
AREA
0
HEIGHT
0
01-Aug-2023
21:03

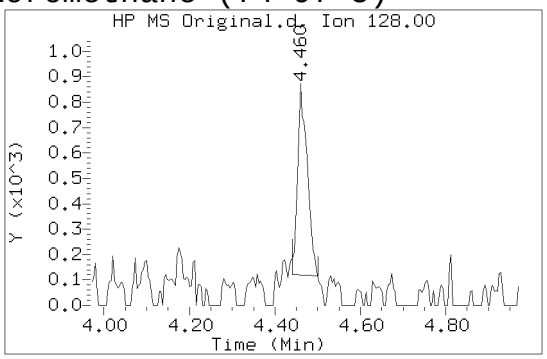


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Inj Date : 31-JUL-2023 11:53
InstruID : VOA9.i
LabSampID : VSTD000.5

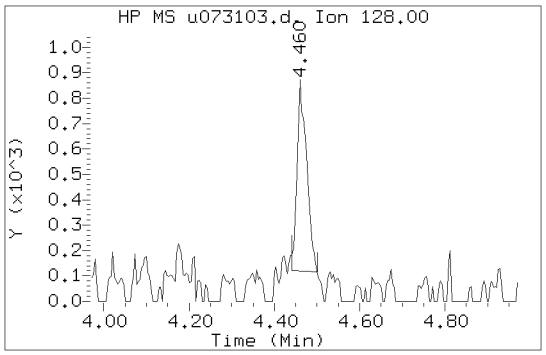
Bromochloromethane (74-97-5)

Reason Code:

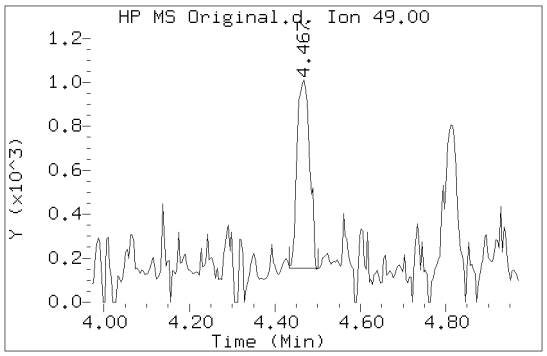
BEFORE
MASS
128
AREA
1195
HEIGHT
754
01-Aug-2023
21:03



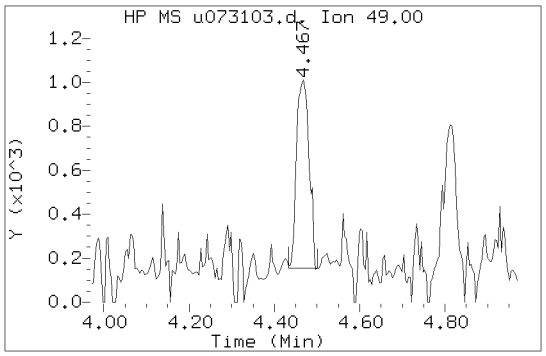
AFTER
MASS
128
AREA
1195
HEIGHT
754
01-Aug-2023
21:03



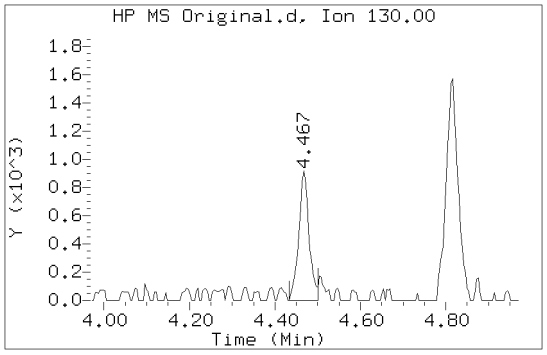
BEFORE
MASS
49
AREA
1771
HEIGHT
856
01-Aug-2023
21:03



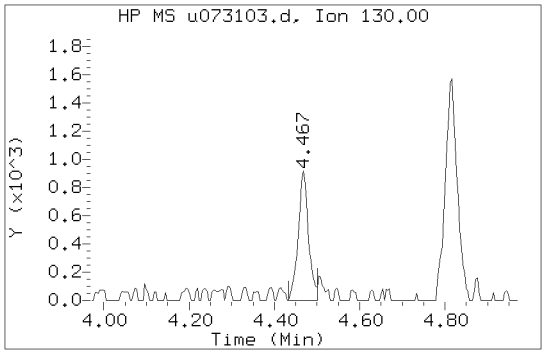
AFTER
MASS
49
AREA
1771
HEIGHT
856
01-Aug-2023
21:03



BEFORE
MASS
130
AREA
1571
HEIGHT
921
01-Aug-2023
21:03



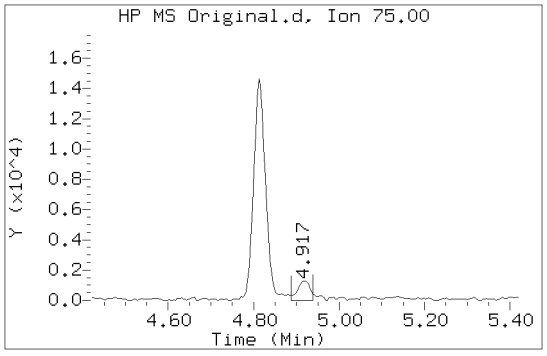
AFTER
MASS
130
AREA
1571
HEIGHT
921
01-Aug-2023
21:03



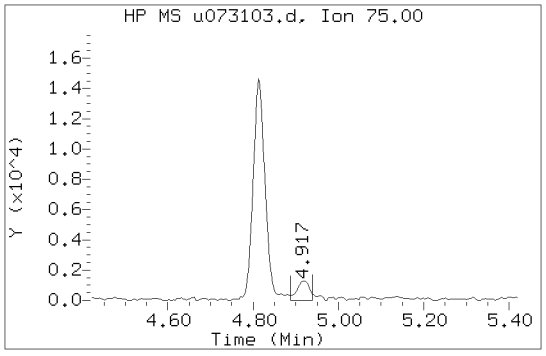
1,1-Dichloropropene (563-58-6)

Reason Code:

BEFORE
MASS
75
AREA
2695
HEIGHT
1263
01-Aug-2023
21:03



AFTER
MASS
75
AREA
2695
HEIGHT
1263
01-Aug-2023
21:03

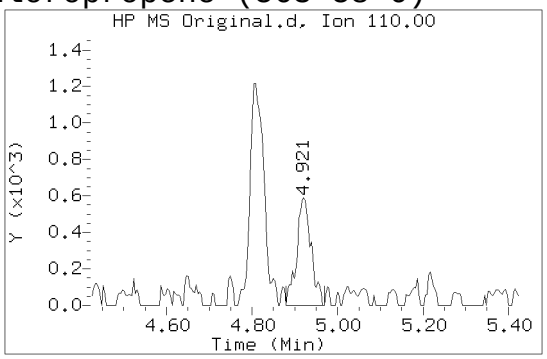


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InstruID : VOA9.i
LabSampID : VSTD000.5

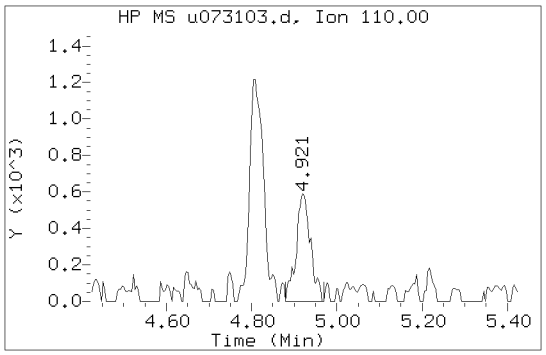
1,1-Dichloropropene (563-58-6)

Reason Code:

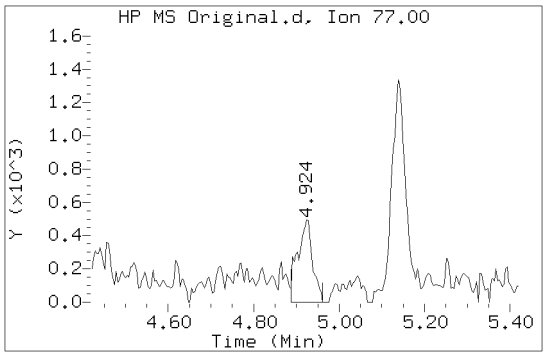
BEFORE
MASS
110
AREA
1403
HEIGHT
591
01-Aug-2023
21:03



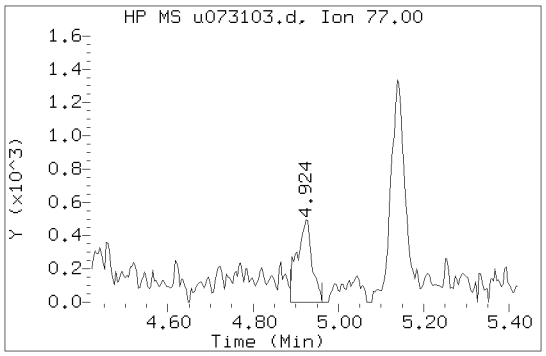
AFTER
MASS
110
AREA
1403
HEIGHT
591
01-Aug-2023
21:03



BEFORE
MASS
77
AREA
1226
HEIGHT
495
01-Aug-2023
21:03



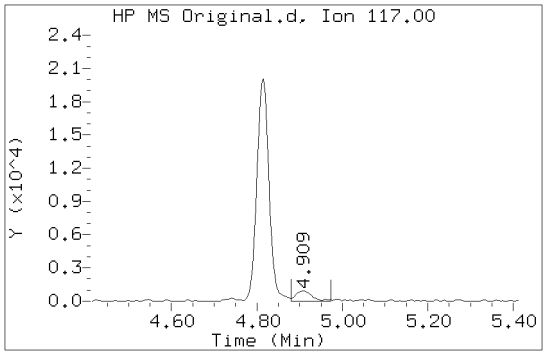
AFTER
MASS
77
AREA
1226
HEIGHT
495
01-Aug-2023
21:03



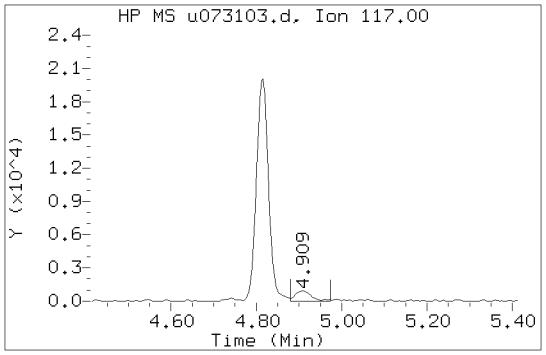
Carbon Tetrachloride (56-23-5)

Reason Code:

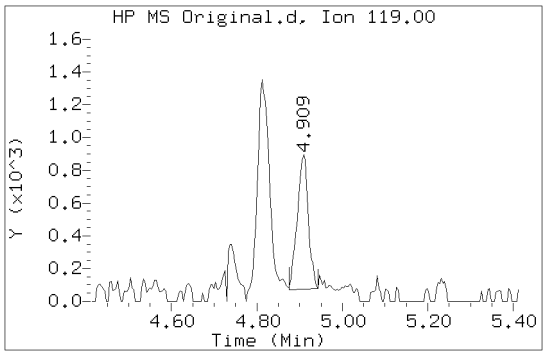
BEFORE
MASS
117
AREA
2525
HEIGHT
944
01-Aug-2023
21:03



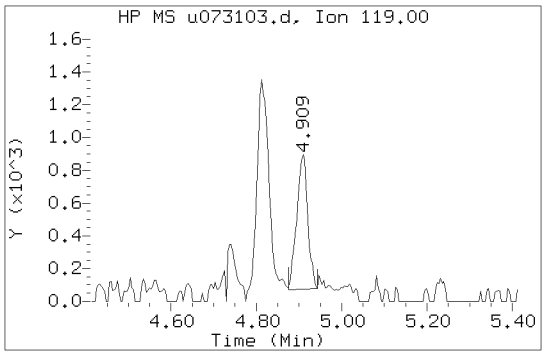
AFTER
MASS
117
AREA
2525
HEIGHT
944
01-Aug-2023
21:03



BEFORE
MASS
119
AREA
1515
HEIGHT
821
01-Aug-2023
21:03



AFTER
MASS
119
AREA
1515
HEIGHT
821
01-Aug-2023
21:03

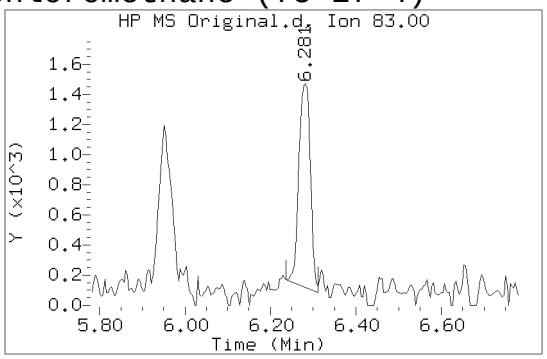


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InstruID : VOA9.i
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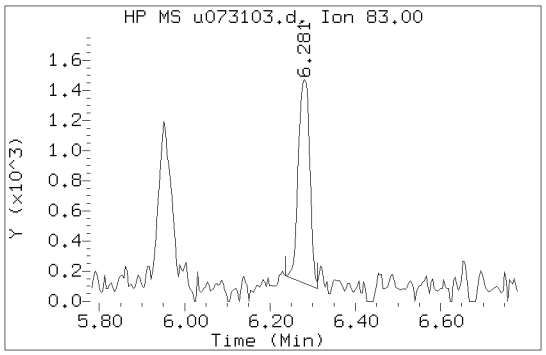
Bromodichloromethane (75-27-4)

Reason Code:

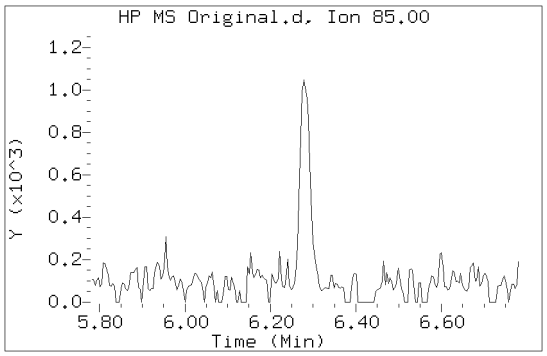
BEFORE
MASS
83
AREA
2588
HEIGHT
1353
01-Aug-2023
21:03



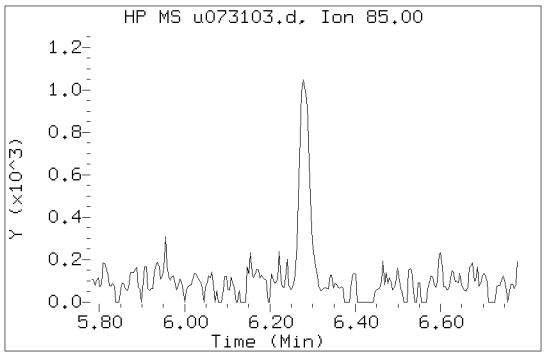
AFTER
MASS
83
AREA
2588
HEIGHT
1353
01-Aug-2023
21:03



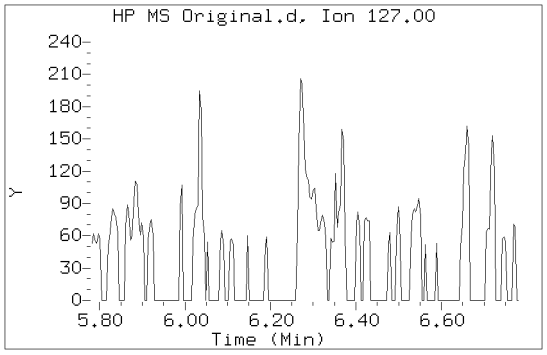
BEFORE
MASS
85
AREA
0
HEIGHT
0
01-Aug-2023
21:03



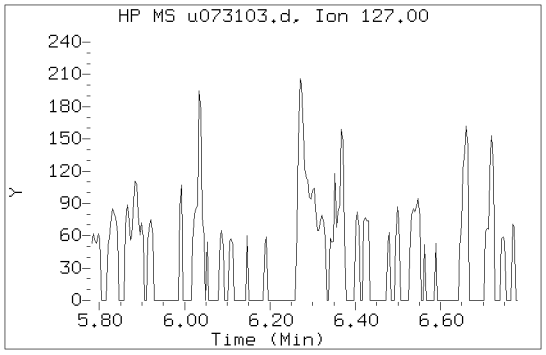
AFTER
MASS
85
AREA
0
HEIGHT
0
01-Aug-2023
21:03



BEFORE
MASS
127
AREA
0
HEIGHT
0
01-Aug-2023
21:03



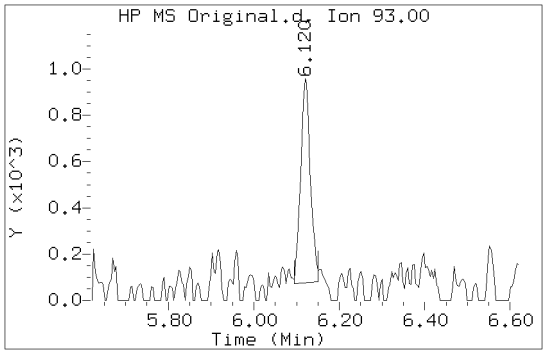
AFTER
MASS
127
AREA
0
HEIGHT
0
01-Aug-2023
21:03



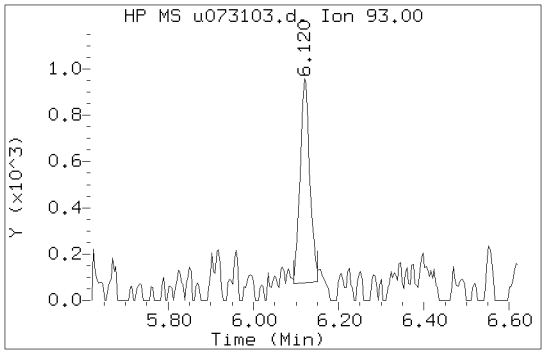
Dibromomethane (74-95-3)

Reason Code:

BEFORE
MASS
93
AREA
1420
HEIGHT
881
01-Aug-2023
21:03



AFTER
MASS
93
AREA
1420
HEIGHT
881
01-Aug-2023
21:03

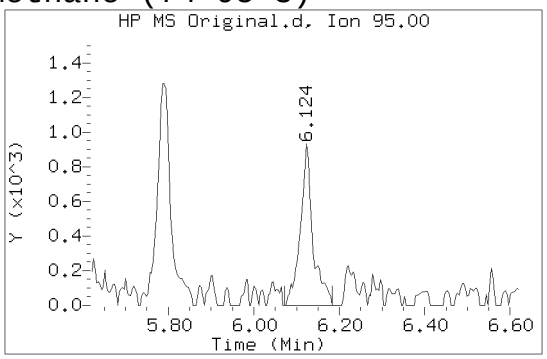


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LabSampID : VSTD000.5

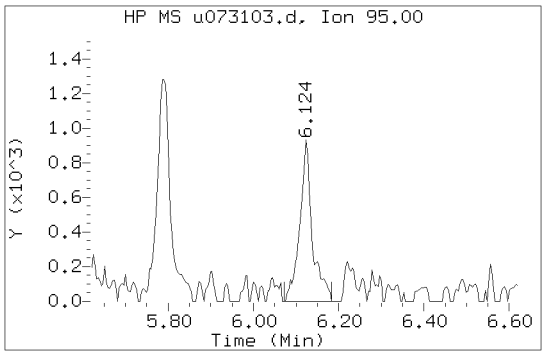
Dibromomethane (74-95-3)

Reason Code:

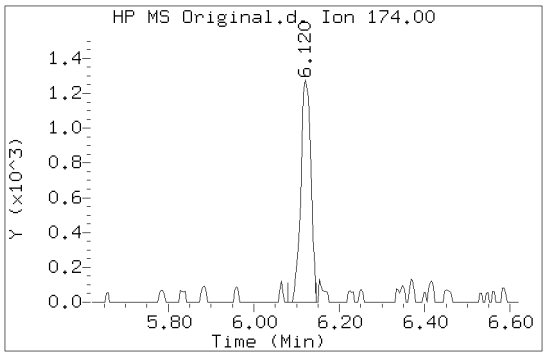
BEFORE
MASS
95
AREA
1928
HEIGHT
933
01-Aug-2023
21:03



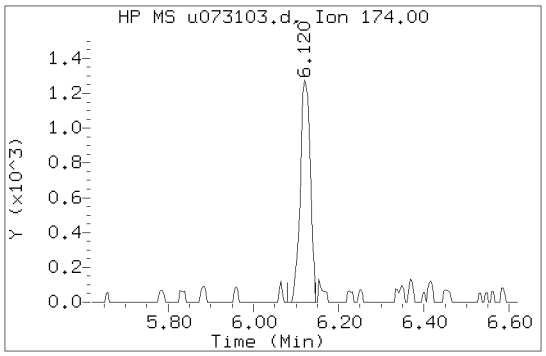
AFTER
MASS
95
AREA
1928
HEIGHT
933
01-Aug-2023
21:03



BEFORE
MASS
174
AREA
2128
HEIGHT
1277
01-Aug-2023
21:03



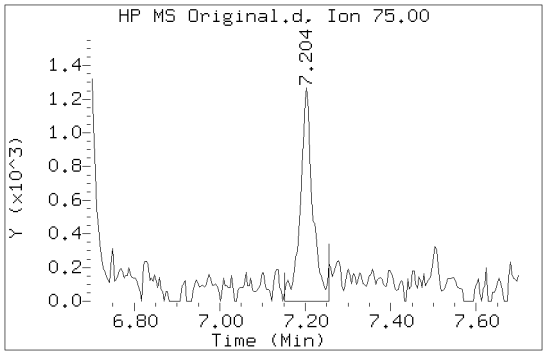
AFTER
MASS
174
AREA
2128
HEIGHT
1277
01-Aug-2023
21:03



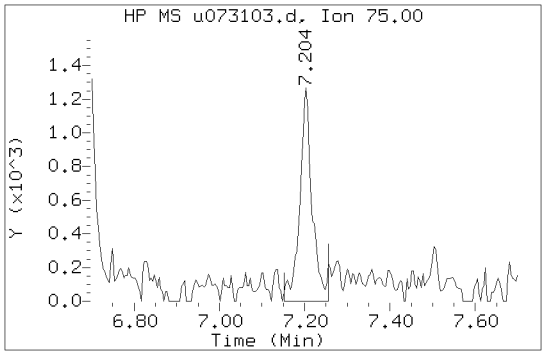
trans-1,3-Dichloropropene (10061-02-6)

Reason Code:

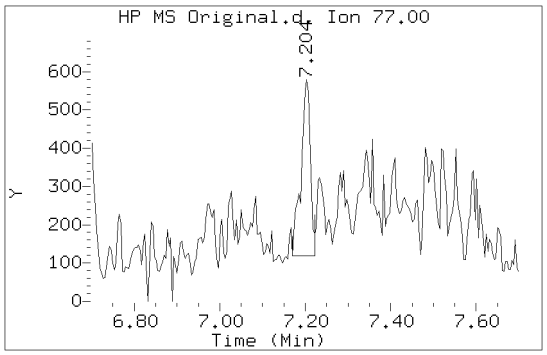
BEFORE
MASS
75
AREA
2626
HEIGHT
1265
01-Aug-2023
21:03



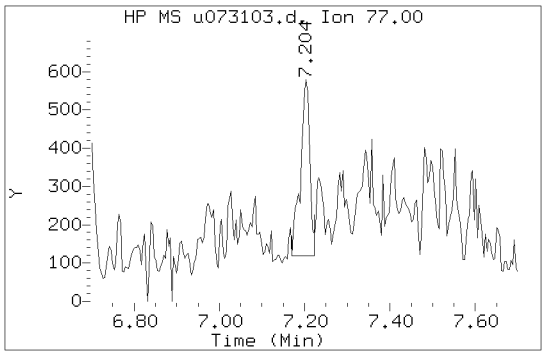
AFTER
MASS
75
AREA
2626
HEIGHT
1265
01-Aug-2023
21:03



BEFORE
MASS
77
AREA
719
HEIGHT
460
01-Aug-2023
21:03



AFTER
MASS
77
AREA
719
HEIGHT
460
01-Aug-2023
21:03

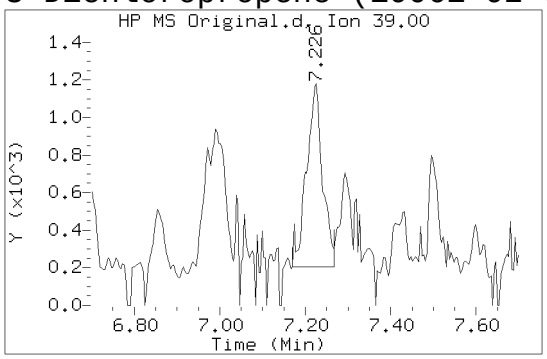


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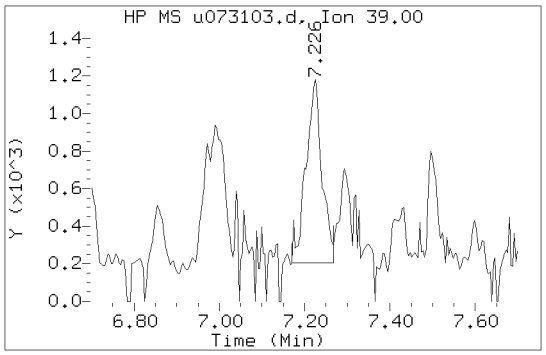
trans-1,3-Dichloropropene (10061-02-6)

Reason Code:

BEFORE
MASS
39
AREA
2560
HEIGHT
976
01-Aug-2023
21:03



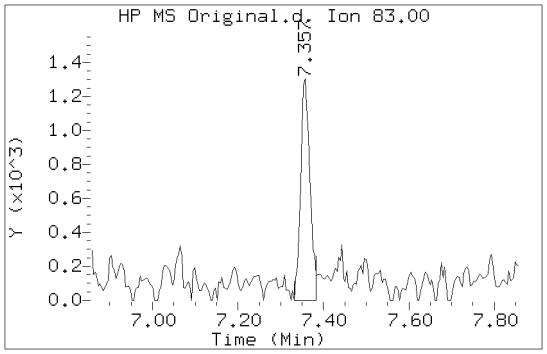
AFTER
MASS
39
AREA
2560
HEIGHT
976
01-Aug-2023
21:03



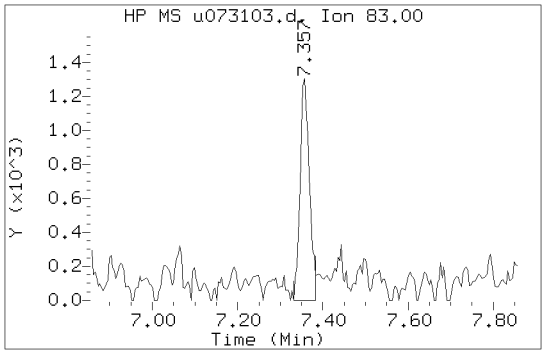
1,1,2-Trichloroethane (79-00-5)

Reason Code:

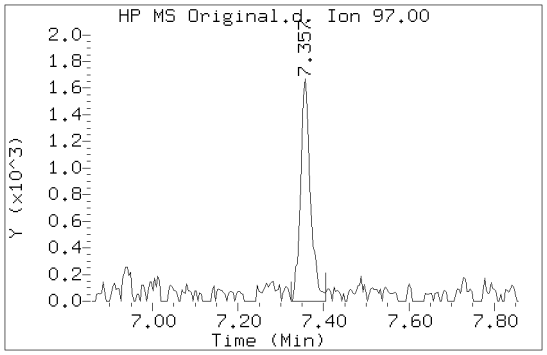
BEFORE
MASS
83
AREA
2027
HEIGHT
1305
01-Aug-2023
21:03



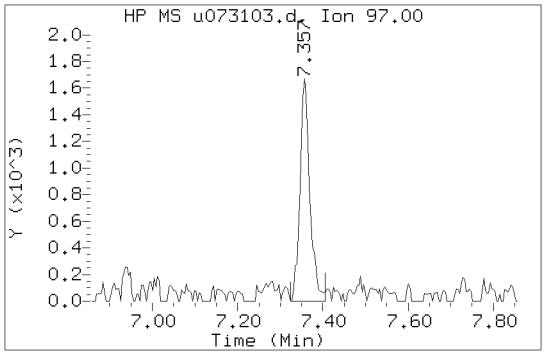
AFTER
MASS
83
AREA
2027
HEIGHT
1305
01-Aug-2023
21:03



BEFORE
MASS
97
AREA
2747
HEIGHT
1669
01-Aug-2023
21:03



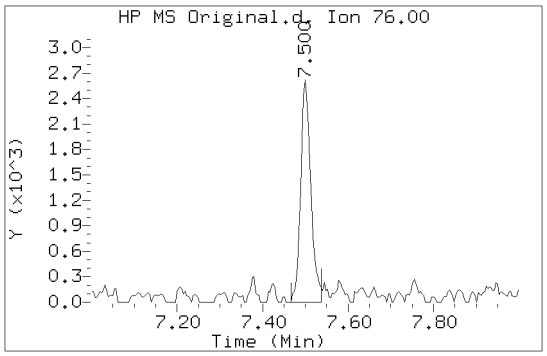
AFTER
MASS
97
AREA
2747
HEIGHT
1669
01-Aug-2023
21:03



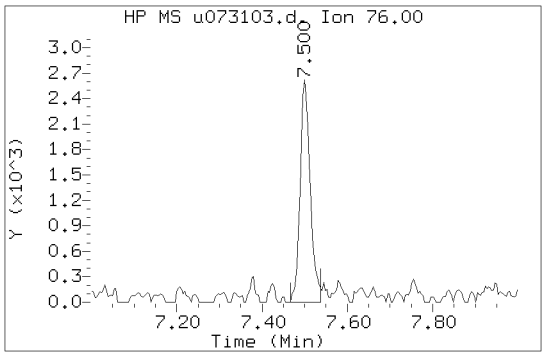
1,3-Dichloropropane (142-28-9)

Reason Code:

BEFORE
MASS
76
AREA
4407
HEIGHT
2620
01-Aug-2023
21:03



AFTER
MASS
76
AREA
4407
HEIGHT
2620
01-Aug-2023
21:03

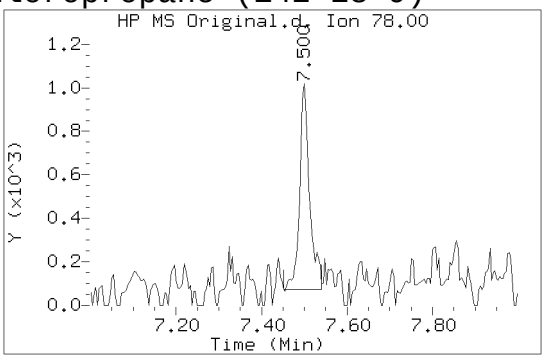


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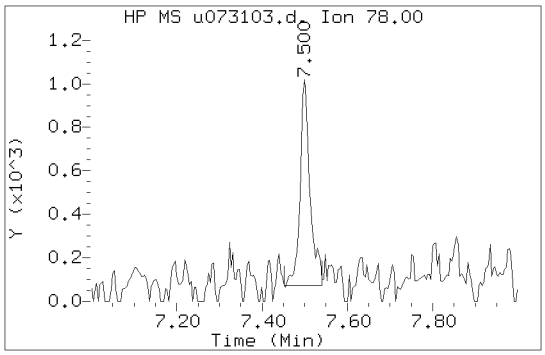
1,3-Dichloropropane (142-28-9)

Reason Code:

BEFORE
MASS
78
AREA
1553
HEIGHT
946
01-Aug-2023
21:03



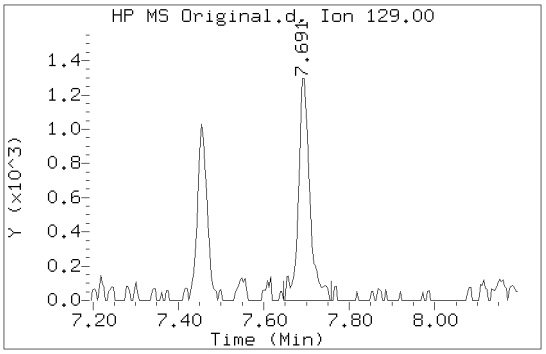
AFTER
MASS
78
AREA
1553
HEIGHT
946
01-Aug-2023
21:03



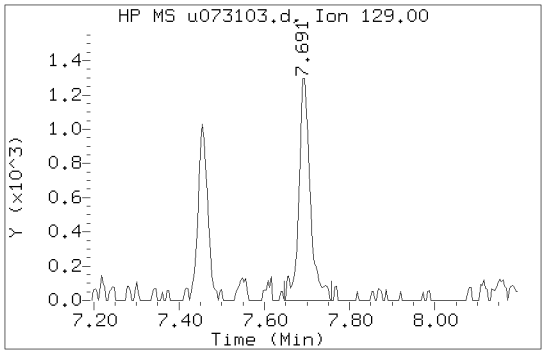
Dibromochloromethane (124-48-1)

Reason Code:

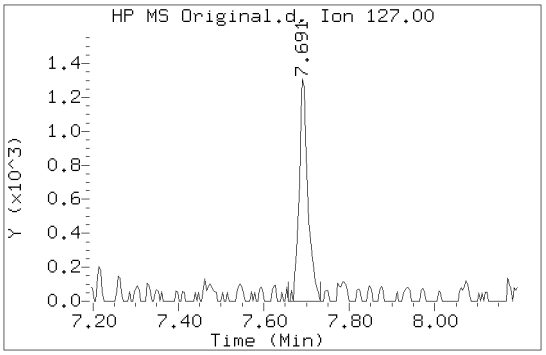
BEFORE
MASS
129
AREA
2473
HEIGHT
1295
01-Aug-2023
21:03



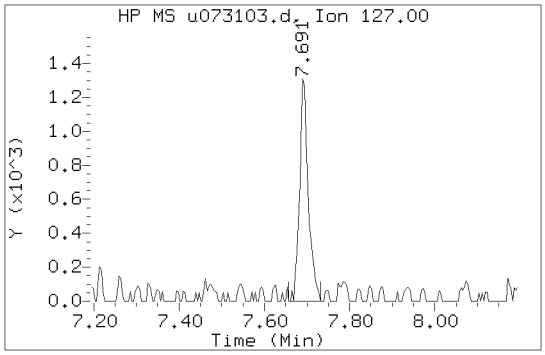
AFTER
MASS
129
AREA
2473
HEIGHT
1295
01-Aug-2023
21:03



BEFORE
MASS
127
AREA
1912
HEIGHT
1309
01-Aug-2023
21:03



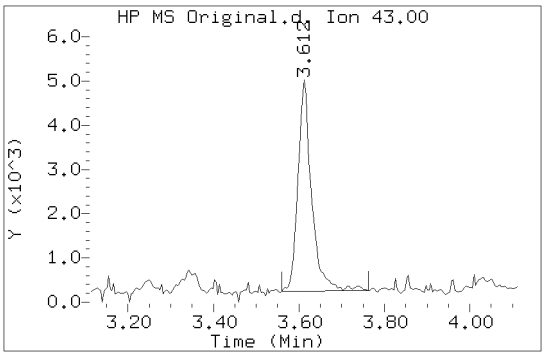
AFTER
MASS
127
AREA
1912
HEIGHT
1309
01-Aug-2023
21:03



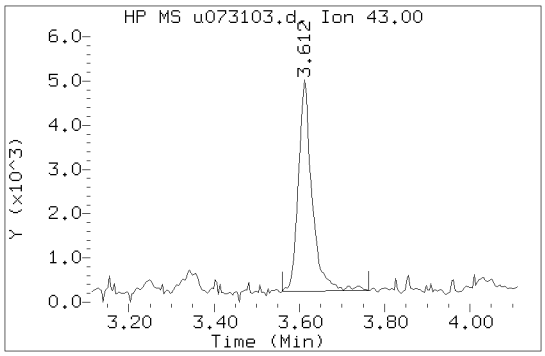
Vinyl Acetate (108-05-4)

Reason Code:

BEFORE
MASS
43
AREA
10832
HEIGHT
4782
01-Aug-2023
21:03



AFTER
MASS
43
AREA
10832
HEIGHT
4782
01-Aug-2023
21:03



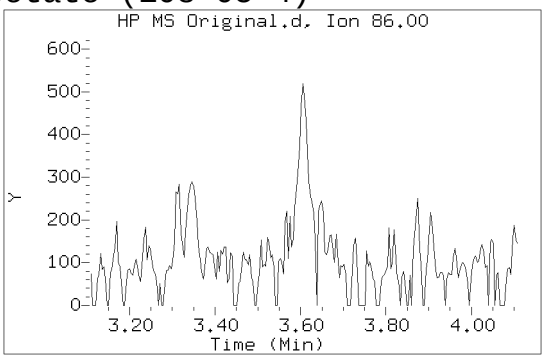
Data File : \\nahstws005\target\chem\voa9.i\u230731.b\u073103.d
Inj Date : 31-JUL-2023 11:53
InstruID : VOA9.i
LabSampID : VSTD000.5

Vinyl Acetate (108-05-4)

Reason Code:

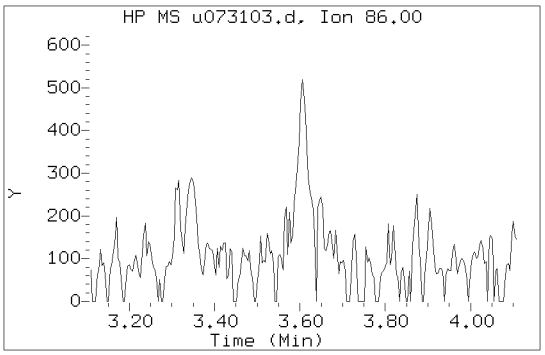
BEFORE

MASS
86
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER

MASS
86
AREA
0
HEIGHT
0
01-Aug-2023
21:03

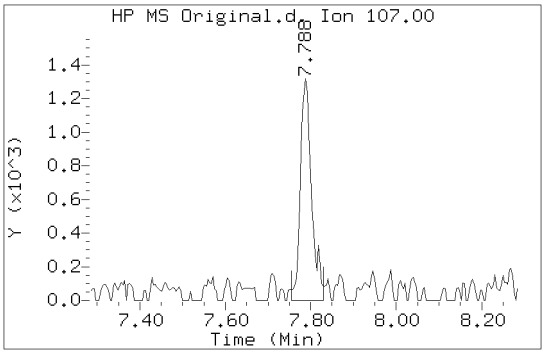


1,2-Dibromoethane (106-93-4)

Reason Code:

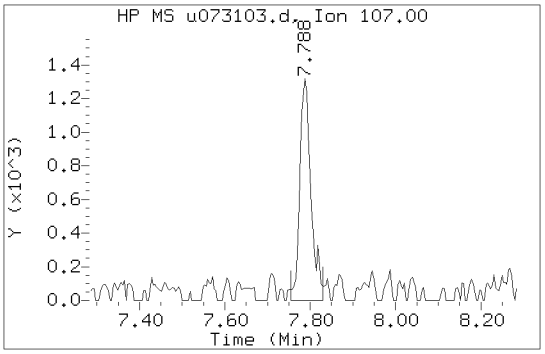
BEFORE

MASS
107
AREA
2440
HEIGHT
1318
01-Aug-2023
21:03



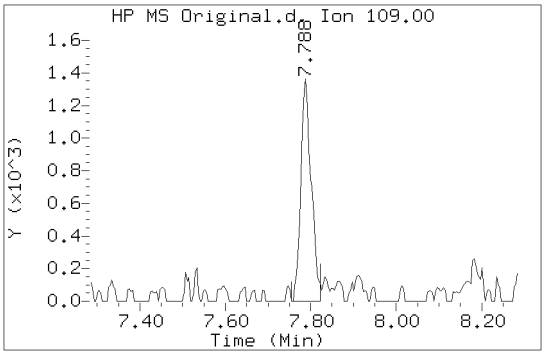
AFTER

MASS
107
AREA
2440
HEIGHT
1318
01-Aug-2023
21:03



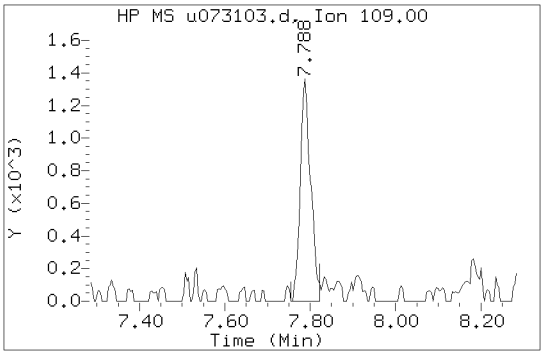
BEFORE

MASS
109
AREA
2340
HEIGHT
1363
01-Aug-2023
21:03



AFTER

MASS
109
AREA
2340
HEIGHT
1363
01-Aug-2023
21:03

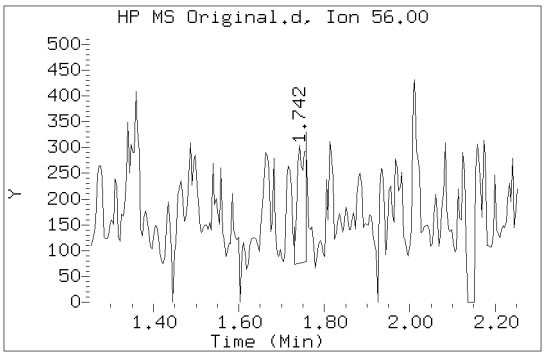


Acrolein (107-02-8)

Reason Code:

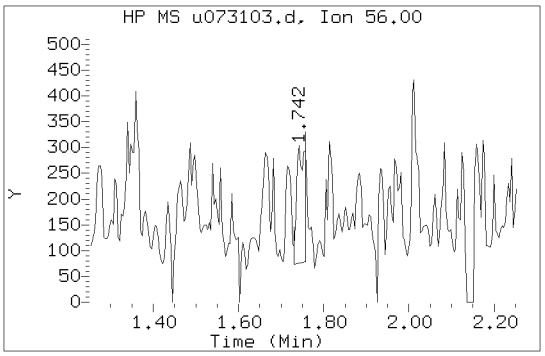
BEFORE

MASS
56
AREA
302
HEIGHT
227
01-Aug-2023
21:03



AFTER

MASS
56
AREA
302
HEIGHT
227
01-Aug-2023
21:03

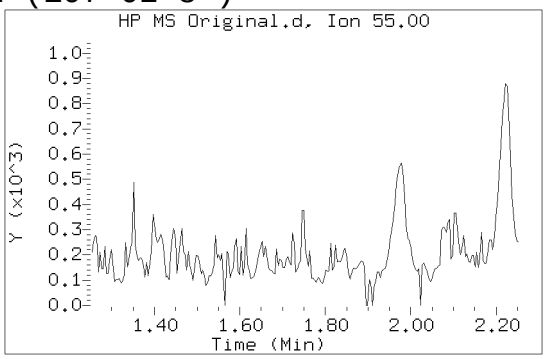


Data File : \\nahstws005\target\chem\voa9.i\u230731.b\u073103.d
Inj Date : 31-JUL-2023 11:53
InstruID : VOA9.i
LabSampID : VSTD000.5

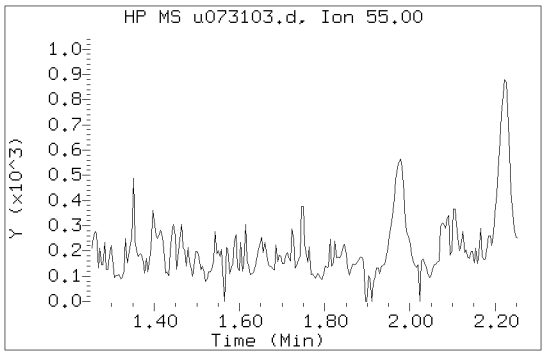
Acrolein (107-02-8)

Reason Code:

BEFORE
MASS
55
AREA
0
HEIGHT
0
01-Aug-2023
21:03



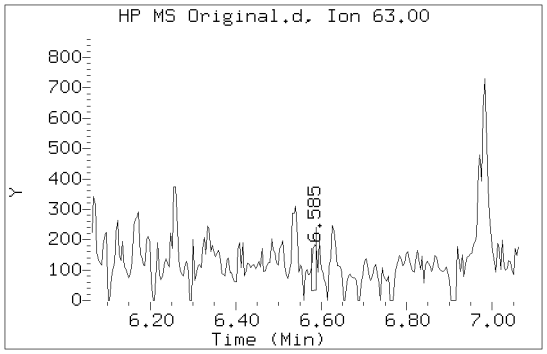
AFTER
MASS
55
AREA
0
HEIGHT
0
01-Aug-2023
21:03



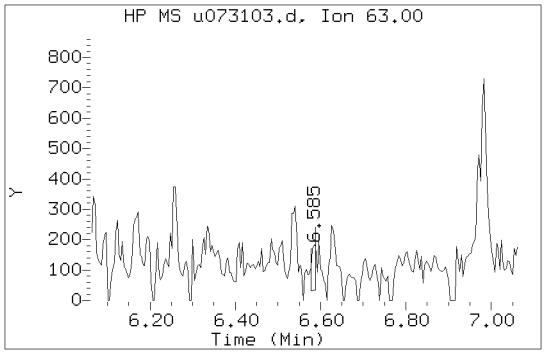
2-Chloroethylvinyl ether (110-75-8)

Reason Code:

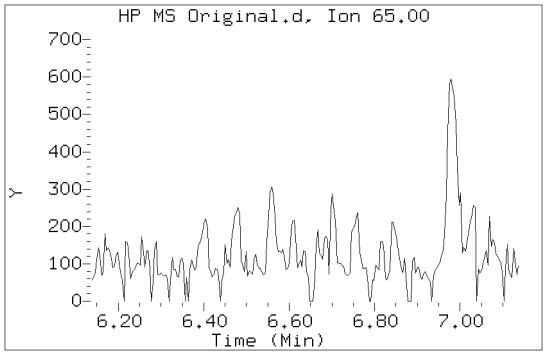
BEFORE
MASS
63
AREA
114
HEIGHT
151
01-Aug-2023
21:03



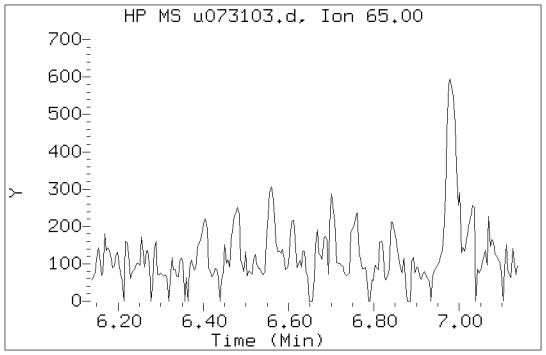
AFTER
MASS
63
AREA
114
HEIGHT
151
01-Aug-2023
21:03



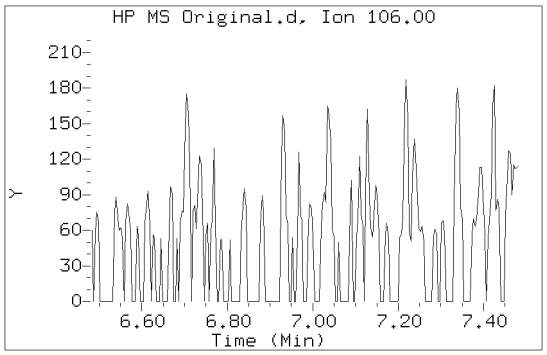
BEFORE
MASS
65
AREA
0
HEIGHT
0
01-Aug-2023
21:03



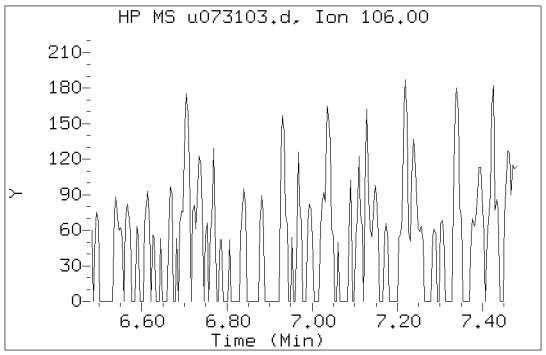
AFTER
MASS
65
AREA
0
HEIGHT
0
01-Aug-2023
21:03



BEFORE
MASS
106
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER
MASS
106
AREA
0
HEIGHT
0
01-Aug-2023
21:03



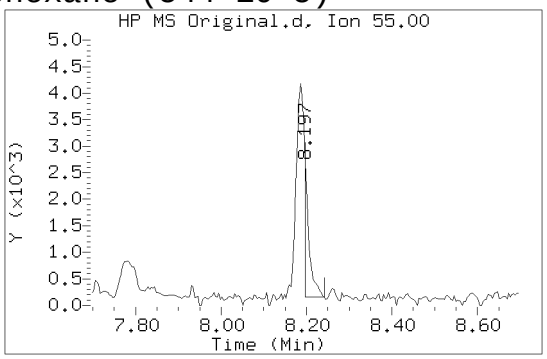
Data File : \\nahstws005\target\chem\voa9.i\u230731.b\u073103.d
Inj Date : 31-JUL-2023 11:53
InstruID : VOA9.i
LabSampID : VSTD000.5

1-Chlorohexane (544-10-5)

Reason Code:

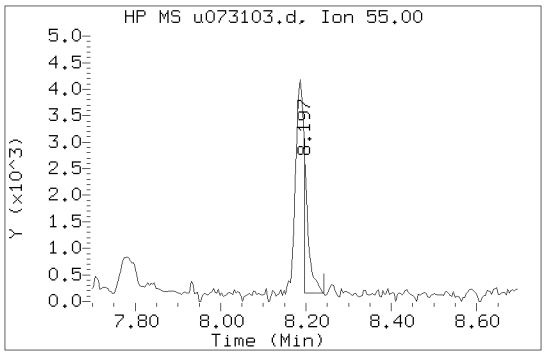
BEFORE

MASS
55
AREA
1840
HEIGHT
2555
01-Aug-2023
21:03



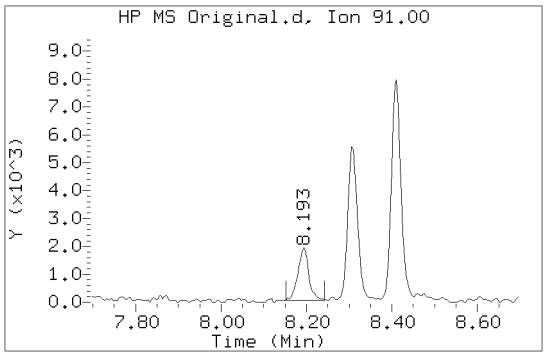
AFTER

MASS
55
AREA
1840
HEIGHT
2555
01-Aug-2023
21:03



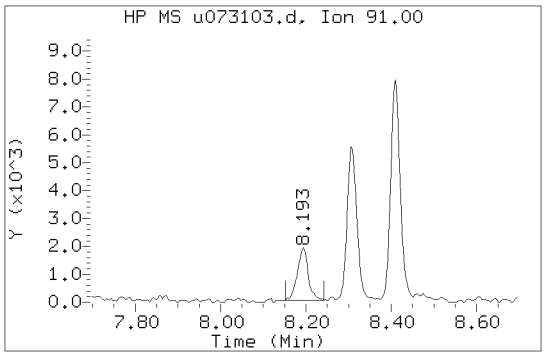
BEFORE

MASS
91
AREA
3423
HEIGHT
1898
01-Aug-2023
21:03



AFTER

MASS
91
AREA
3423
HEIGHT
1898
01-Aug-2023
21:03

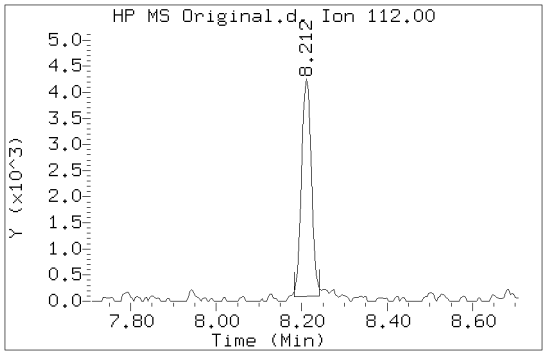


Chlorobenzene (108-90-7)

Reason Code:

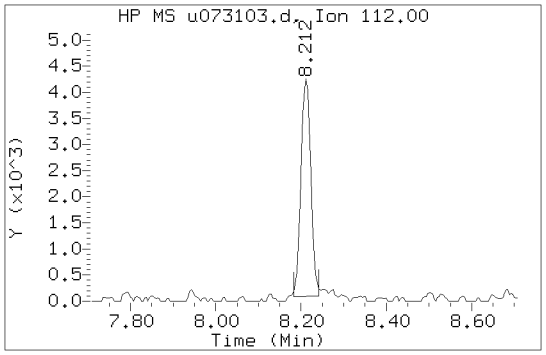
BEFORE

MASS
112
AREA
6853
HEIGHT
4160
01-Aug-2023
21:03



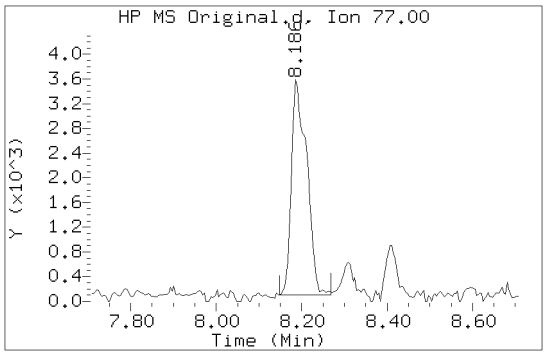
AFTER

MASS
112
AREA
6853
HEIGHT
4160
01-Aug-2023
21:03



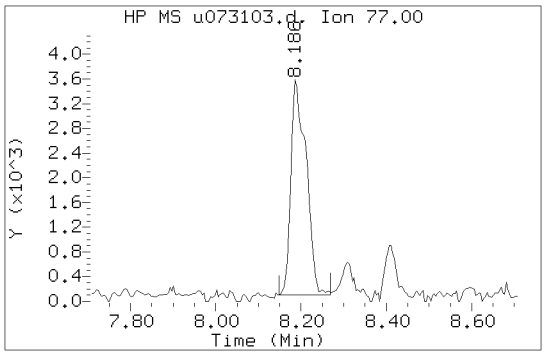
BEFORE

MASS
77
AREA
8764
HEIGHT
3480
01-Aug-2023
21:03



AFTER

MASS
77
AREA
8764
HEIGHT
3480
01-Aug-2023
21:03



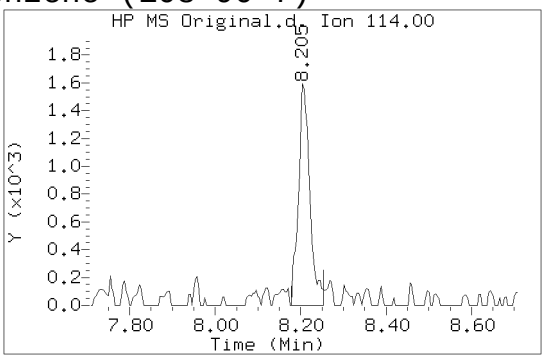
Data File : \\nahstws005\target\chem\voa9.i\u230731.b\u073103.d
Inj Date : 31-JUL-2023 11:53
InstruID : VOA9.i
LabSampID : VSTD000.5

Chlorobenzene (108-90-7)

Reason Code:

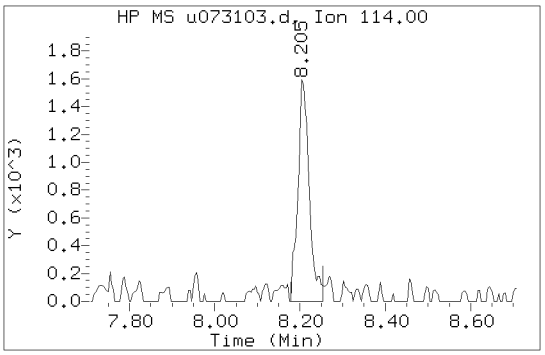
BEFORE

MASS
114
AREA
3009
HEIGHT
1594
01-Aug-2023
21:03



AFTER

MASS
114
AREA
3009
HEIGHT
1594
01-Aug-2023
21:03

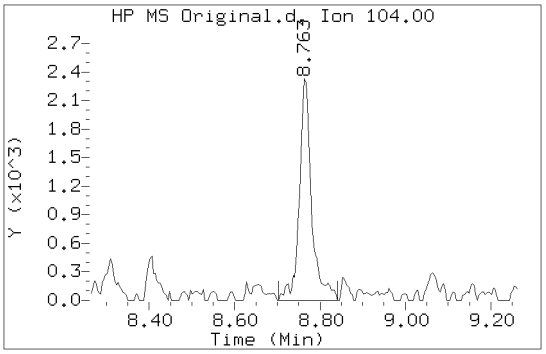


Styrene (100-42-5)

Reason Code:

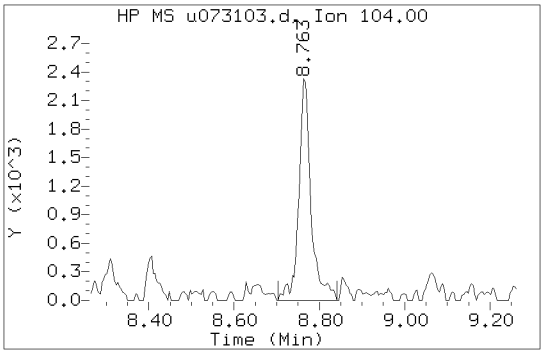
BEFORE

MASS
104
AREA
4750
HEIGHT
2329
01-Aug-2023
21:03



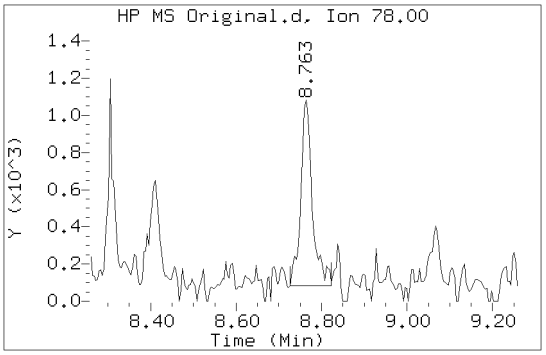
AFTER

MASS
104
AREA
4750
HEIGHT
2329
01-Aug-2023
21:03



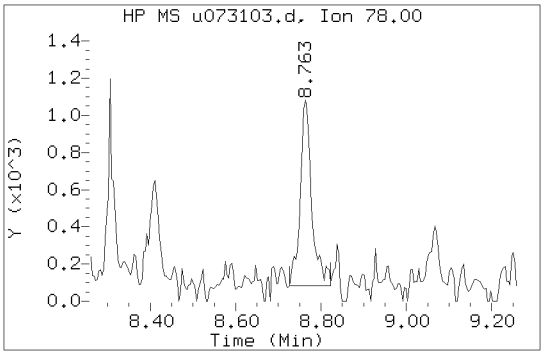
BEFORE

MASS
78
AREA
1928
HEIGHT
997
01-Aug-2023
21:03



AFTER

MASS
78
AREA
1928
HEIGHT
997
01-Aug-2023
21:03

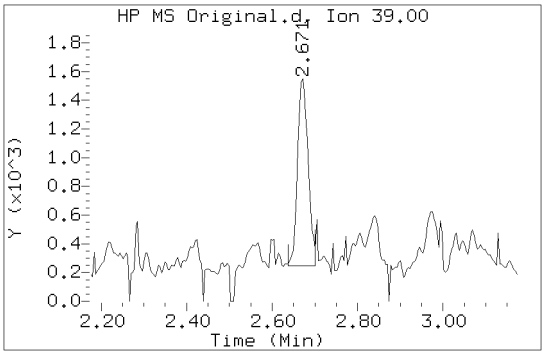


Acetonitrile (75-05-8)

Reason Code:

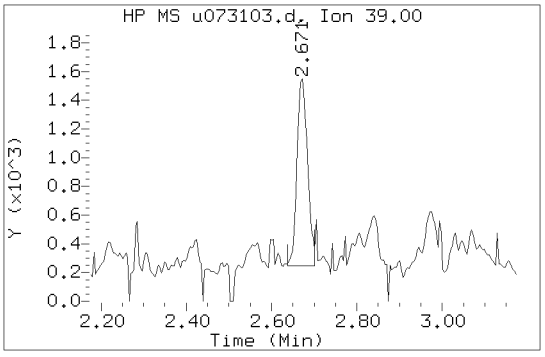
BEFORE

MASS
39
AREA
2314
HEIGHT
1304
01-Aug-2023
21:03



AFTER

MASS
39
AREA
2314
HEIGHT
1304
01-Aug-2023
21:03

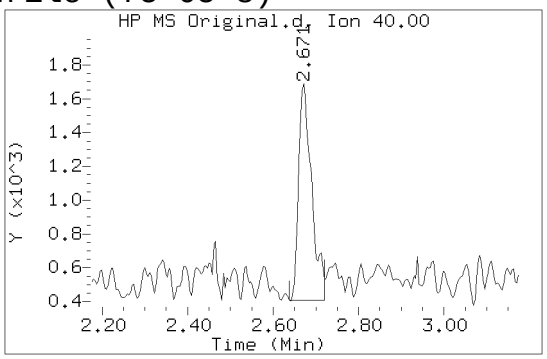


Data File : \\nahstws005\target\chem\voa9.i\u230731.b\u073103.d
Inj Date : 31-JUL-2023 11:53
InstruID : VOA9.i
LabSampID : VSTD000.5

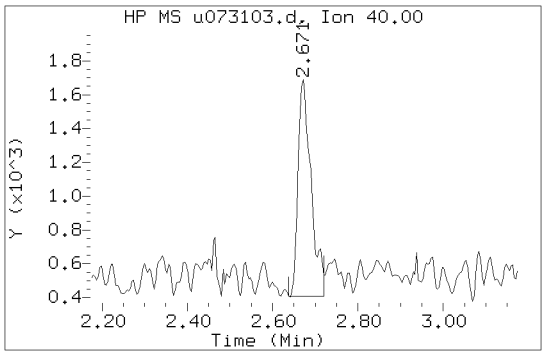
Acetonitrile (75-05-8)

Reason Code:

BEFORE
MASS
40
AREA
2767
HEIGHT
1280
01-Aug-2023
21:03



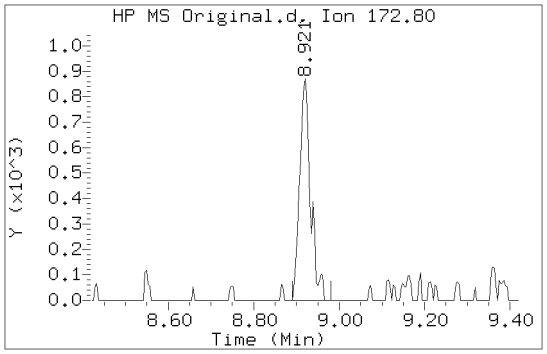
AFTER
MASS
40
AREA
2767
HEIGHT
1280
01-Aug-2023
21:03



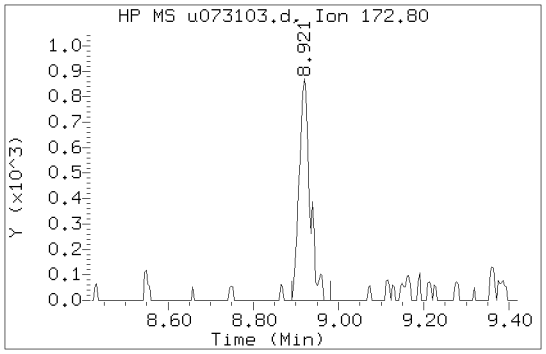
Bromoform (75-25-2)

Reason Code:

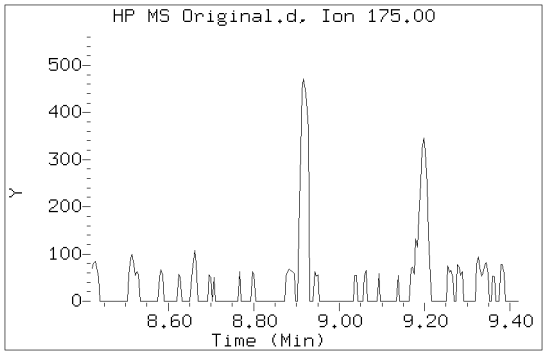
BEFORE
MASS
172.8
AREA
1569
HEIGHT
871
01-Aug-2023
21:03



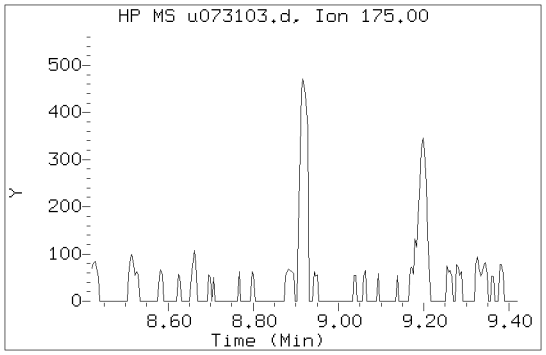
AFTER
MASS
172.8
AREA
1569
HEIGHT
871
01-Aug-2023
21:03



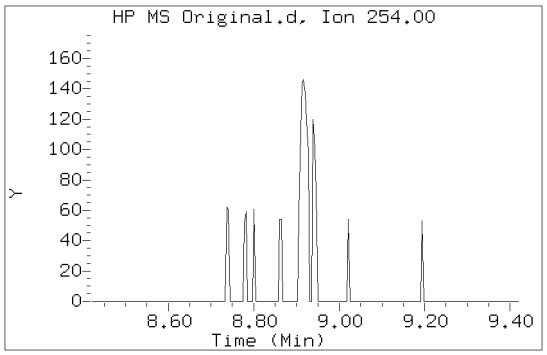
BEFORE
MASS
175
AREA
0
HEIGHT
0
01-Aug-2023
21:03



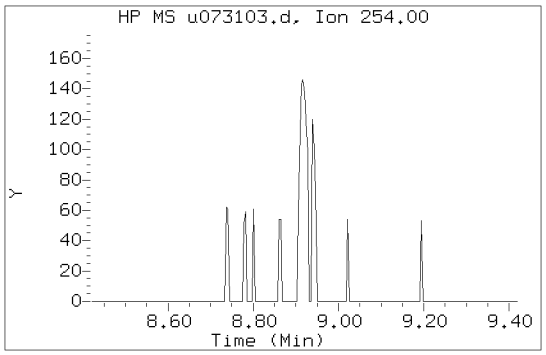
AFTER
MASS
175
AREA
0
HEIGHT
0
01-Aug-2023
21:03



BEFORE
MASS
254
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER
MASS
254
AREA
0
HEIGHT
0
01-Aug-2023
21:03

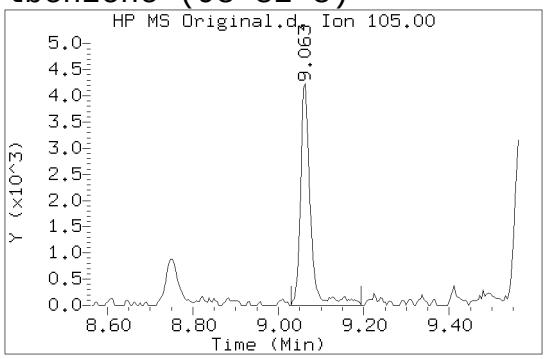


Data File : \\nahstws005\target\chem\voa9.i\u230731.b\u073103.d
Inj Date : 31-JUL-2023 11:53
InstruID : VOA9.i
LabSampID : VSTD000.5

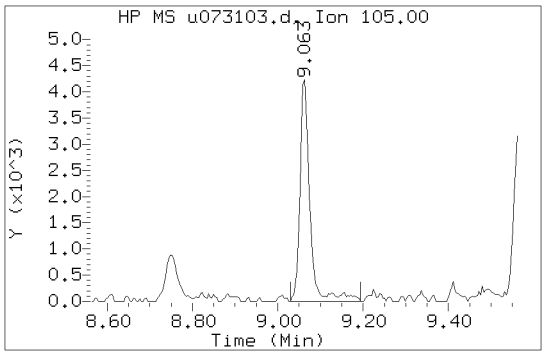
Isopropylbenzene (98-82-8)

Reason Code:

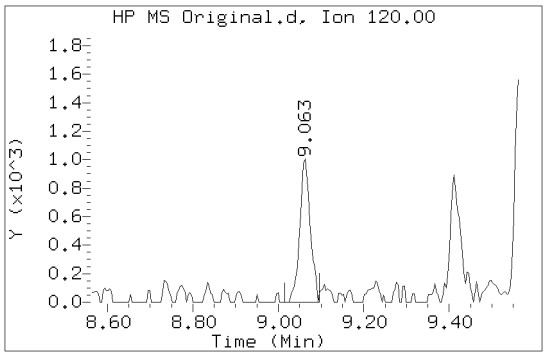
BEFORE
MASS
105
AREA
7003
HEIGHT
4232
01-Aug-2023
21:03



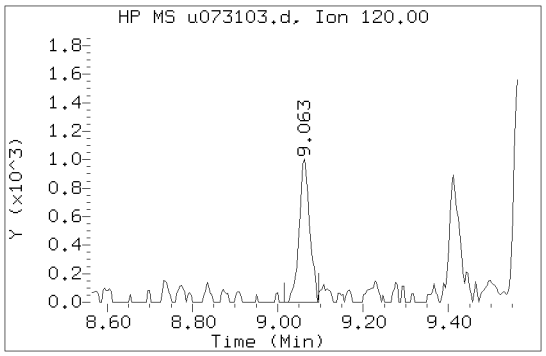
AFTER
MASS
105
AREA
7003
HEIGHT
4232
01-Aug-2023
21:03



BEFORE
MASS
120
AREA
1773
HEIGHT
1004
01-Aug-2023
21:03



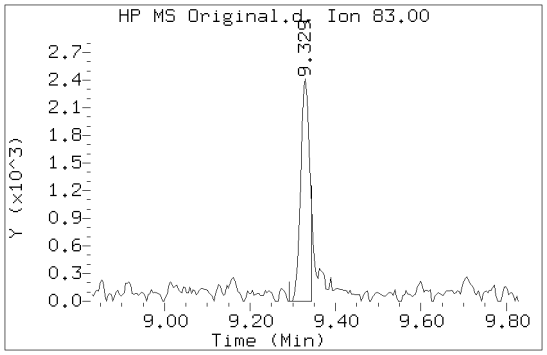
AFTER
MASS
120
AREA
1773
HEIGHT
1004
01-Aug-2023
21:03



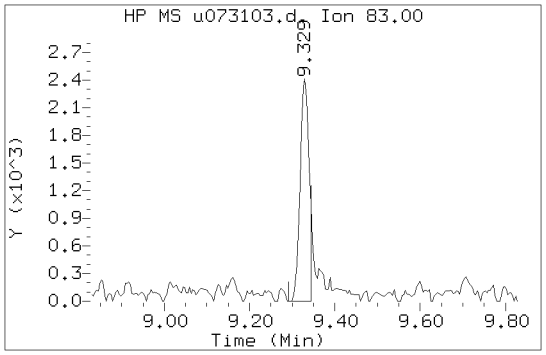
1,1,2,2-Tetrachloroethane (79-34-5)

Reason Code:

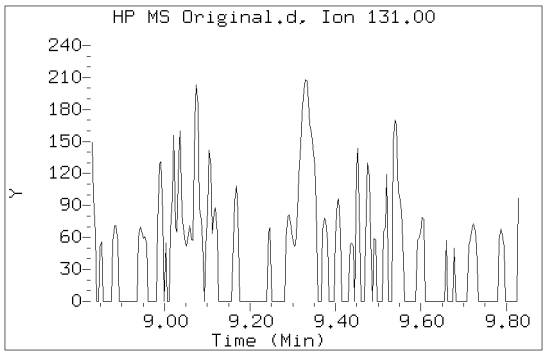
BEFORE
MASS
83
AREA
3564
HEIGHT
2413
01-Aug-2023
21:03



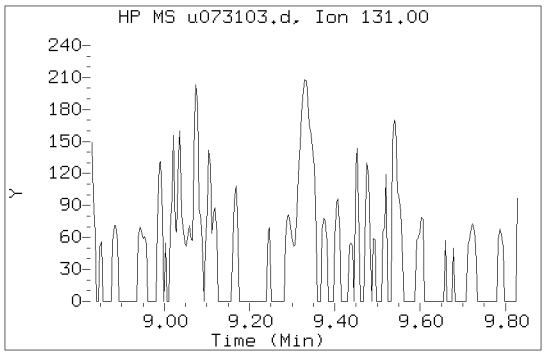
AFTER
MASS
83
AREA
3564
HEIGHT
2413
01-Aug-2023
21:03



BEFORE
MASS
131
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER
MASS
131
AREA
0
HEIGHT
0
01-Aug-2023
21:03



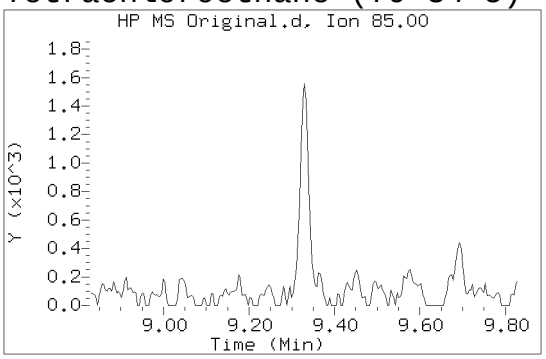
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Inj Date : 31-JUL-2023 11:53
InstruID : VOA9.i
LabSampID : VSTD000.5

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

Reason Code:

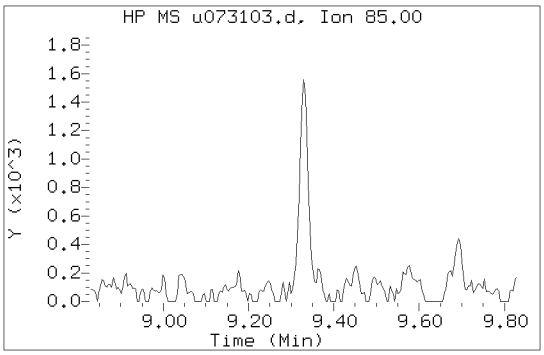
BEFORE

MASS
85
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER

MASS
85
AREA
0
HEIGHT
0
01-Aug-2023
21:03

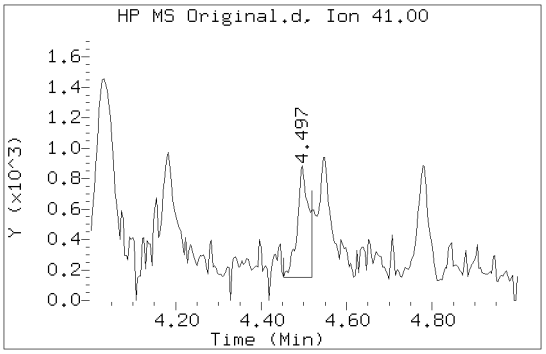


Methacrylonitrile (126-98-7)

Reason Code:

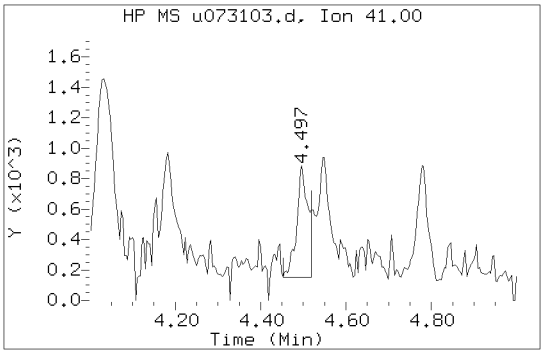
BEFORE

MASS
41
AREA
1418
HEIGHT
733
01-Aug-2023
21:03



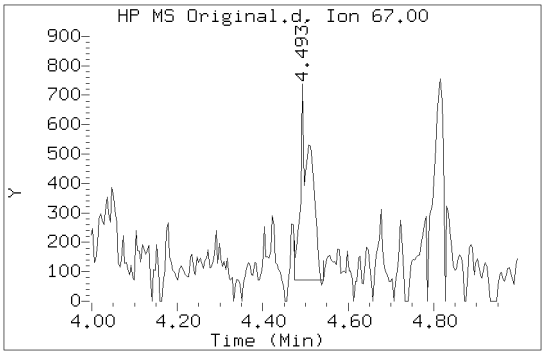
AFTER

MASS
41
AREA
1418
HEIGHT
733
01-Aug-2023
21:03



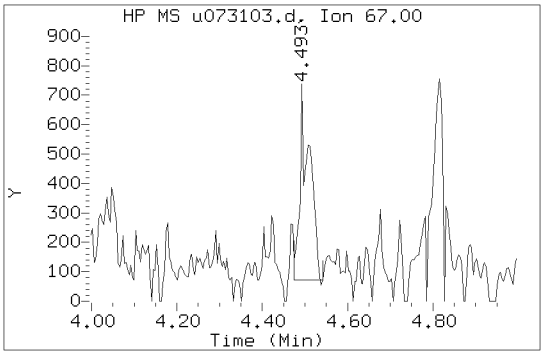
BEFORE

MASS
67
AREA
1064
HEIGHT
666
01-Aug-2023
21:03



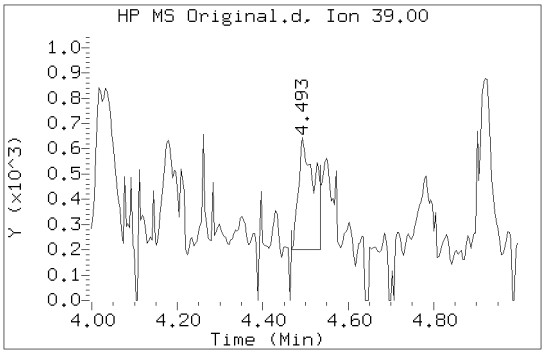
AFTER

MASS
67
AREA
1064
HEIGHT
666
01-Aug-2023
21:03



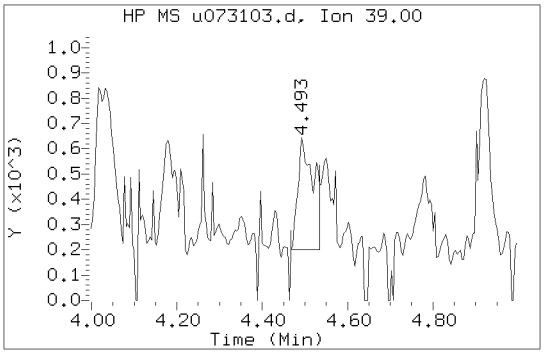
BEFORE

MASS
39
AREA
1145
HEIGHT
445
01-Aug-2023
21:03



AFTER

MASS
39
AREA
1145
HEIGHT
445
01-Aug-2023
21:03



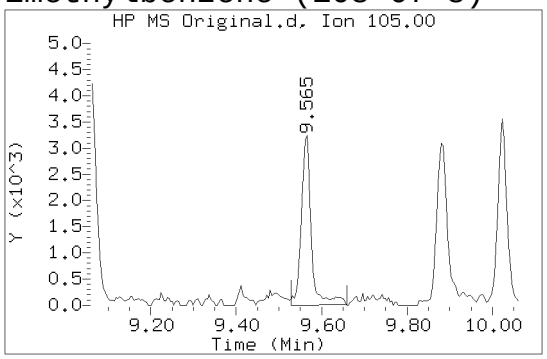
Data File : \\nahstws005\target\chem\voa9.i\u230731.b\u073103.d
Inj Date : 31-JUL-2023 11:53
InstruID : VOA9.i
LabSampID : VSTD000.5

1,3,5-Trimethylbenzene (108-67-8)

Reason Code:

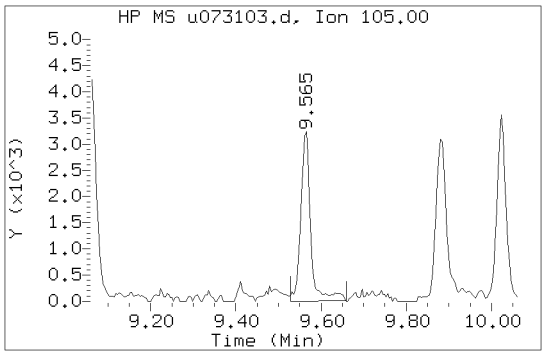
BEFORE

MASS
105
AREA
5406
HEIGHT
3241
01-Aug-2023
21:03



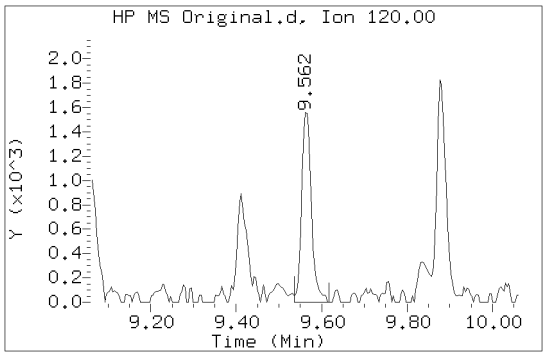
AFTER

MASS
105
AREA
5406
HEIGHT
3241
01-Aug-2023
21:03



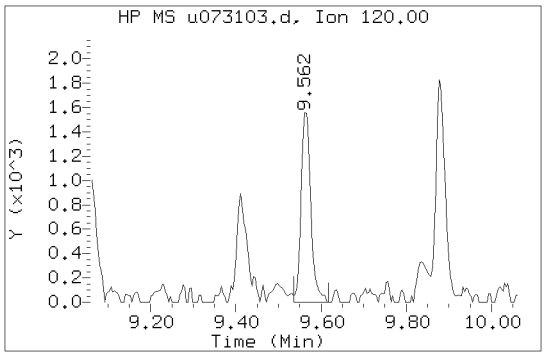
BEFORE

MASS
120
AREA
2560
HEIGHT
1560
01-Aug-2023
21:03



AFTER

MASS
120
AREA
2560
HEIGHT
1560
01-Aug-2023
21:03

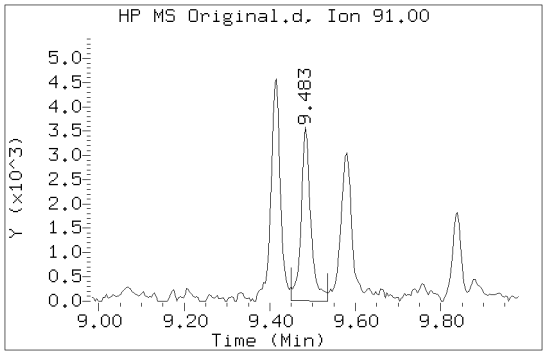


2-Chlorotoluene (95-49-8)

Reason Code:

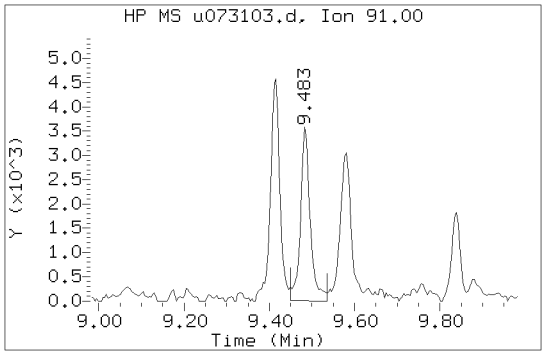
BEFORE

MASS
91
AREA
5806
HEIGHT
3580
01-Aug-2023
21:03



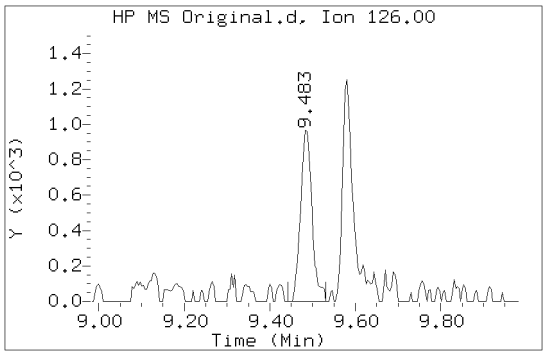
AFTER

MASS
91
AREA
5806
HEIGHT
3580
01-Aug-2023
21:03



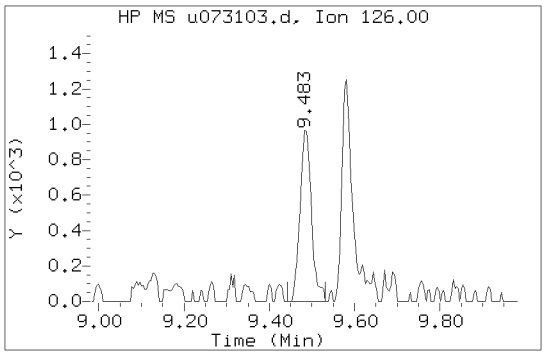
BEFORE

MASS
126
AREA
1848
HEIGHT
967
01-Aug-2023
21:03



AFTER

MASS
126
AREA
1848
HEIGHT
967
01-Aug-2023
21:03

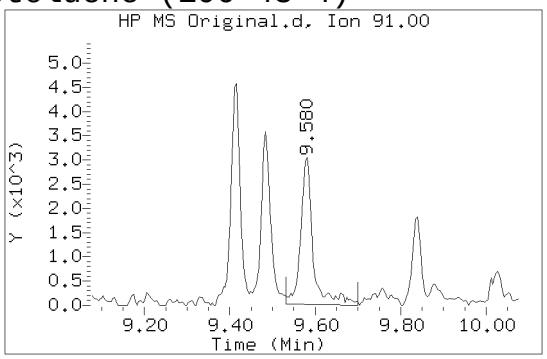


Data File : \\nahstws005\target\chem\voa9.i\u230731.b\u073103.d
Inj Date : 31-JUL-2023 11:53
InstruID : VOA9.i
LabSampID : VSTD000.5

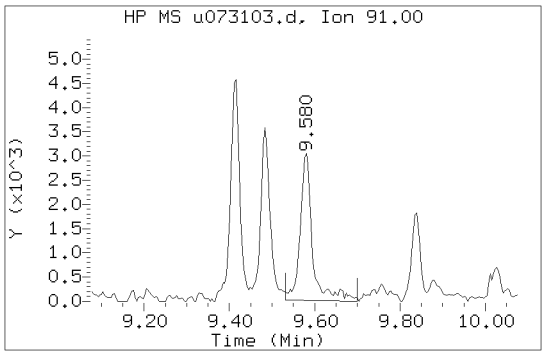
4-Chlorotoluene (106-43-4)

Reason Code:

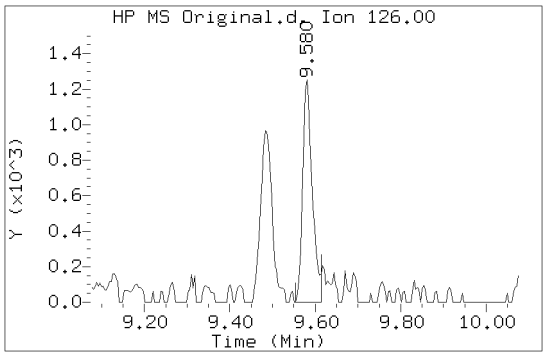
BEFORE
MASS
91
AREA
6267
HEIGHT
3039
01-Aug-2023
21:03



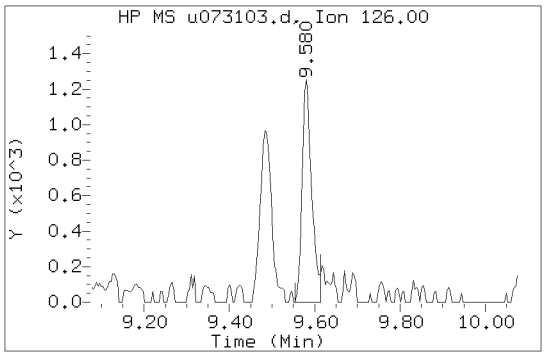
AFTER
MASS
91
AREA
6267
HEIGHT
3039
01-Aug-2023
21:03



BEFORE
MASS
126
AREA
2005
HEIGHT
1252
01-Aug-2023
21:03



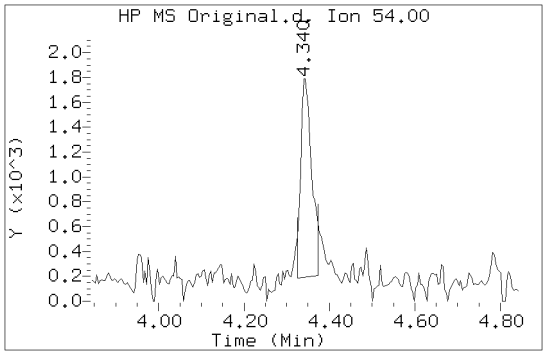
AFTER
MASS
126
AREA
2005
HEIGHT
1252
01-Aug-2023
21:03



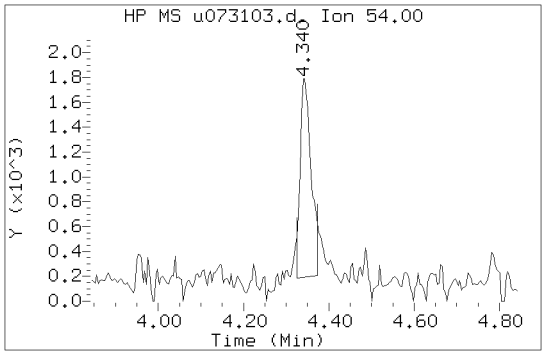
Propionitrile (107-12-0)

Reason Code:

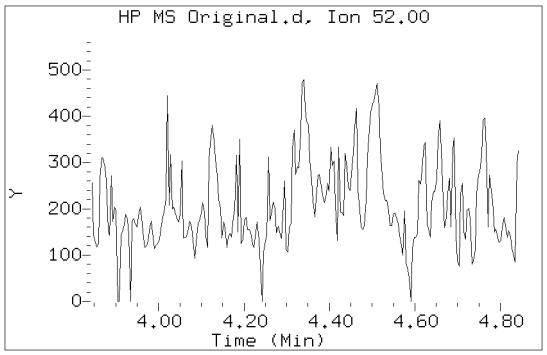
BEFORE
MASS
54
AREA
2962
HEIGHT
1596
01-Aug-2023
21:03



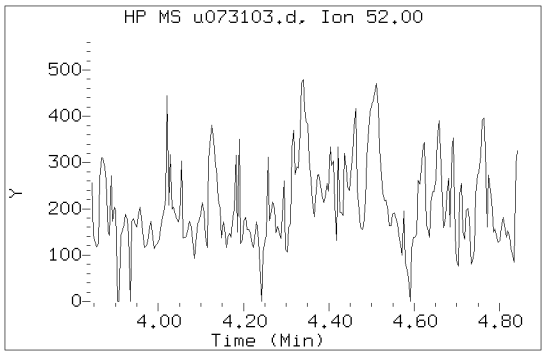
AFTER
MASS
54
AREA
2962
HEIGHT
1596
01-Aug-2023
21:03



BEFORE
MASS
52
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER
MASS
52
AREA
0
HEIGHT
0
01-Aug-2023
21:03



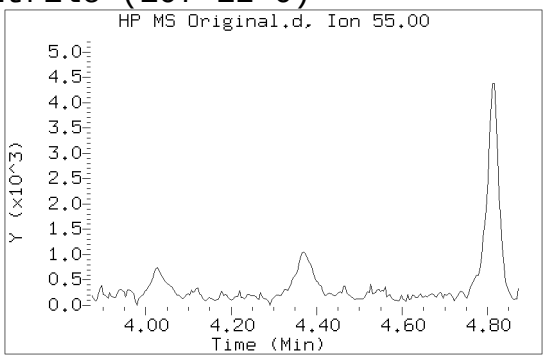
Data File : \\nahstws005\target\chem\voa9.i\u230731.b\u073103.d
Inj Date : 31-JUL-2023 11:53
InstruID : VOA9.i
LabSampID : VSTD000.5

Propionitrile (107-12-0)

Reason Code:

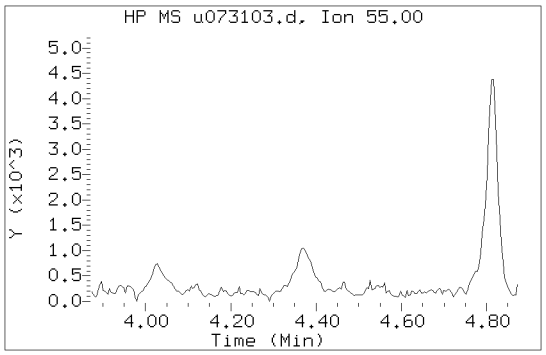
BEFORE

MASS
55
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER

MASS
55
AREA
0
HEIGHT
0
01-Aug-2023
21:03

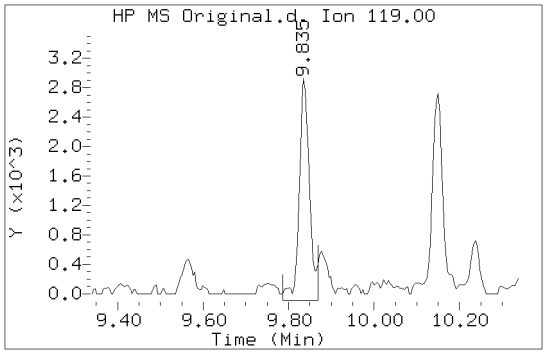


tert-Butylbenzene (98-06-6)

Reason Code:

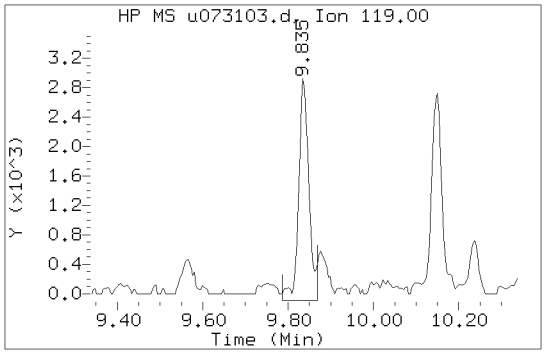
BEFORE

MASS
119
AREA
5184
HEIGHT
3013
01-Aug-2023
21:03



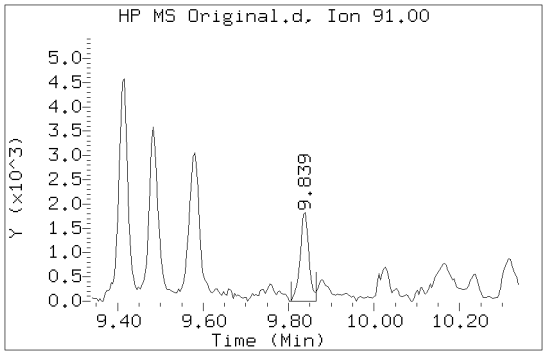
AFTER

MASS
119
AREA
5184
HEIGHT
3013
01-Aug-2023
21:03



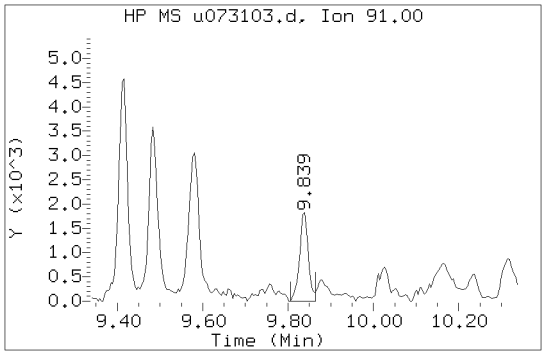
BEFORE

MASS
91
AREA
2701
HEIGHT
1823
01-Aug-2023
21:03



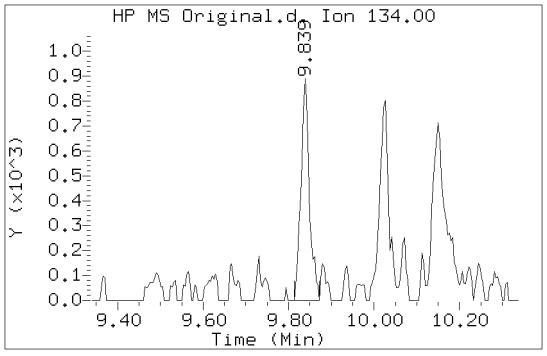
AFTER

MASS
91
AREA
2701
HEIGHT
1823
01-Aug-2023
21:03



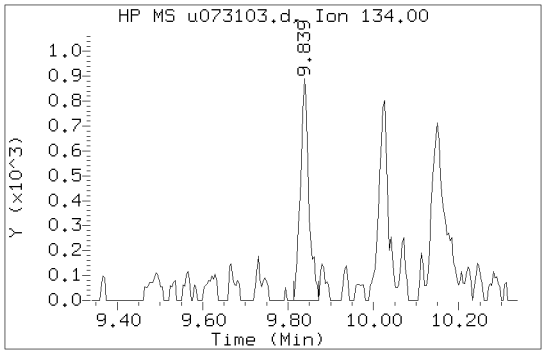
BEFORE

MASS
134
AREA
1244
HEIGHT
890
01-Aug-2023
21:03



AFTER

MASS
134
AREA
1244
HEIGHT
890
01-Aug-2023
21:03

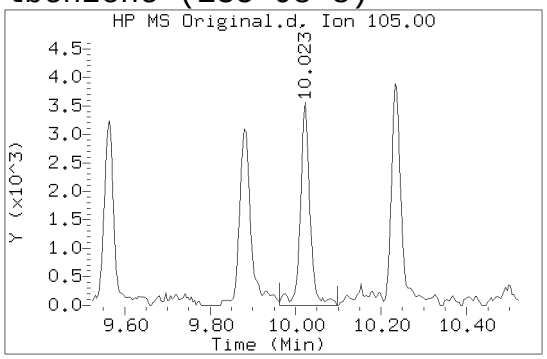


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Inj Date : 31-JUL-2023 11:53
InstruID : VOA9.i
LabSampID : VSTD000.5

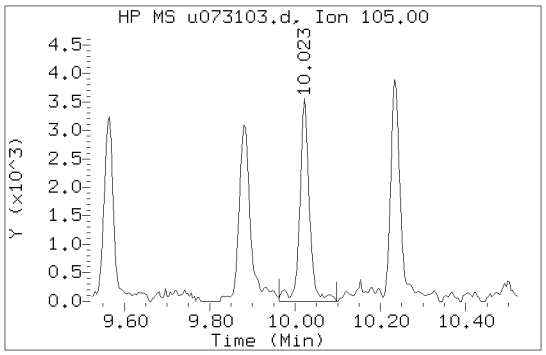
sec-Butylbenzene (135-98-8)

Reason Code:

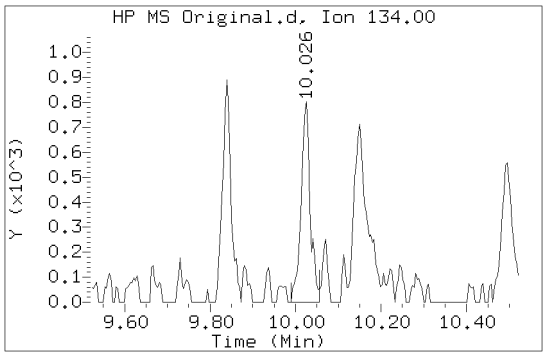
BEFORE
MASS
105
AREA
5696
HEIGHT
3563
01-Aug-2023
21:03



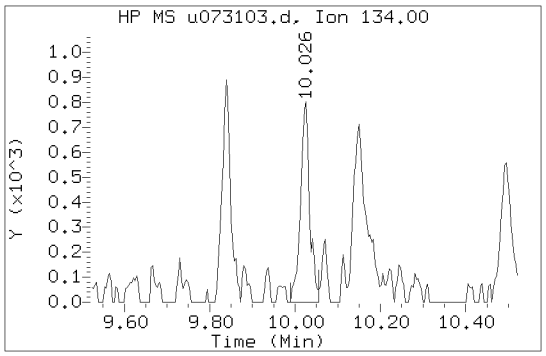
AFTER
MASS
105
AREA
5696
HEIGHT
3563
01-Aug-2023
21:03



BEFORE
MASS
134
AREA
1229
HEIGHT
803
01-Aug-2023
21:03



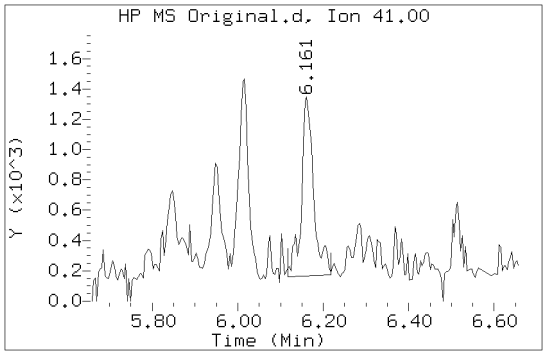
AFTER
MASS
134
AREA
1229
HEIGHT
803
01-Aug-2023
21:03



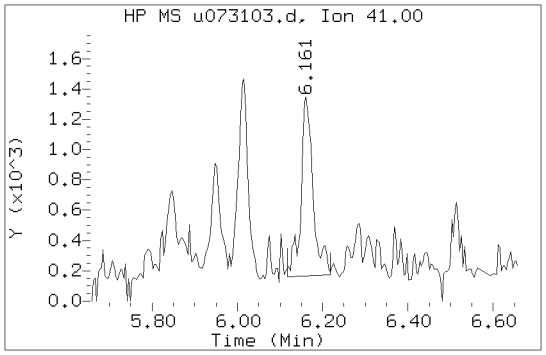
Methyl Methacrylate (80-62-6)

Reason Code:

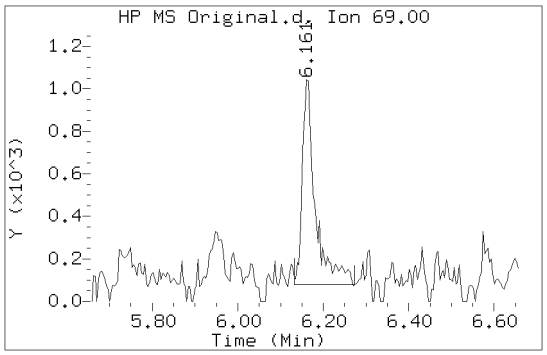
BEFORE
MASS
41
AREA
2378
HEIGHT
1183
01-Aug-2023
21:03



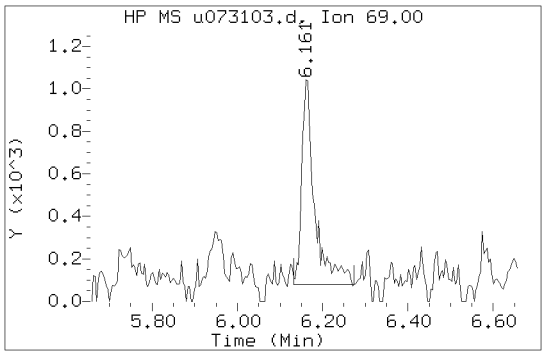
AFTER
MASS
41
AREA
2378
HEIGHT
1183
01-Aug-2023
21:03



BEFORE
MASS
69
AREA
2078
HEIGHT
966
01-Aug-2023
21:03



AFTER
MASS
69
AREA
2078
HEIGHT
966
01-Aug-2023
21:03

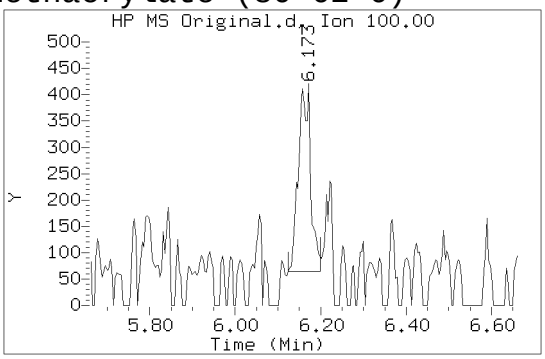


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InstruID : VOA9.i
LabSampID : VSTD000.5

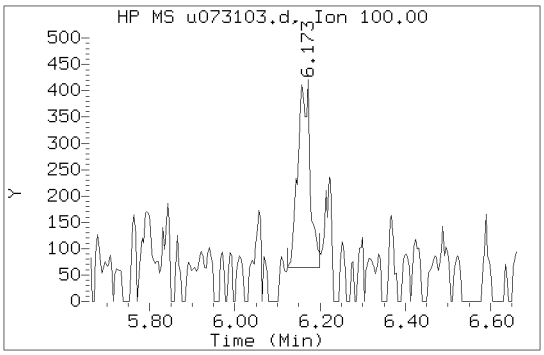
Methyl Methacrylate (80-62-6)

Reason Code:

BEFORE
MASS
100
AREA
711
HEIGHT
357
01-Aug-2023
21:03



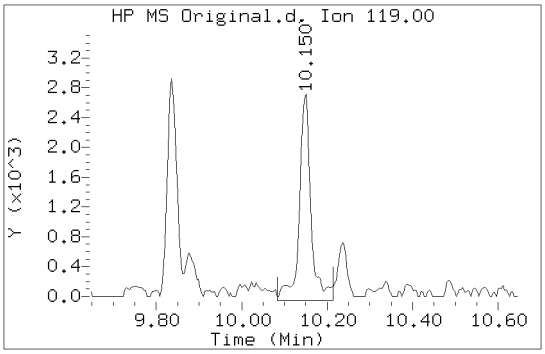
AFTER
MASS
100
AREA
711
HEIGHT
357
01-Aug-2023
21:03



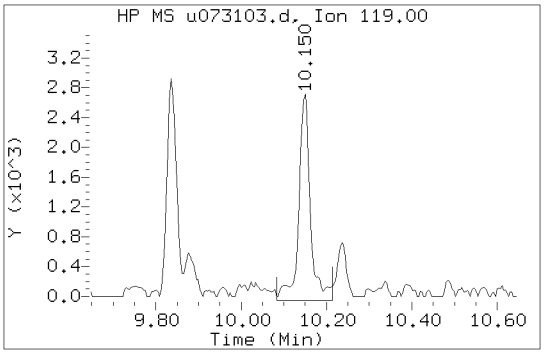
p-Isopropyltoluene (99-87-6)

Reason Code:

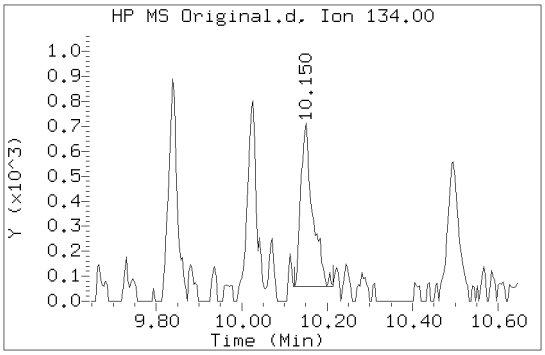
BEFORE
MASS
119
AREA
5403
HEIGHT
2774
01-Aug-2023
21:03



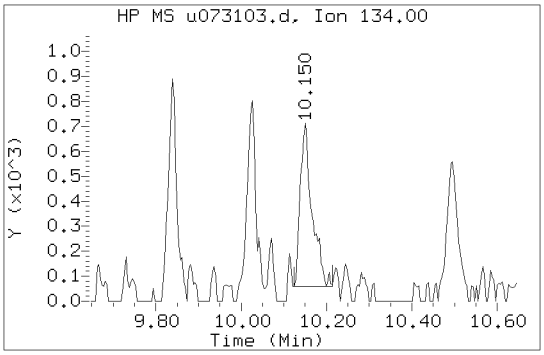
AFTER
MASS
119
AREA
5403
HEIGHT
2774
01-Aug-2023
21:03



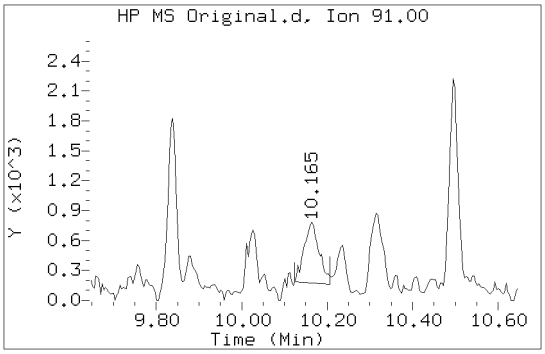
BEFORE
MASS
134
AREA
1271
HEIGHT
652
01-Aug-2023
21:03



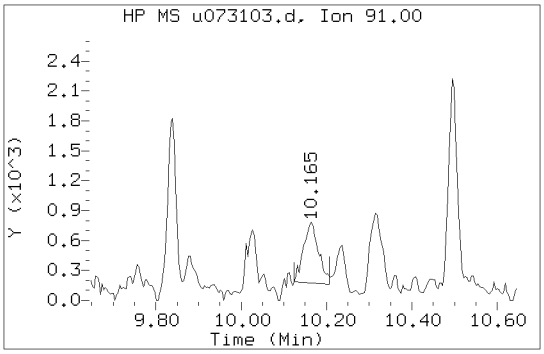
AFTER
MASS
134
AREA
1271
HEIGHT
652
01-Aug-2023
21:03



BEFORE
MASS
91
AREA
1511
HEIGHT
612
01-Aug-2023
21:03



AFTER
MASS
91
AREA
1511
HEIGHT
612
01-Aug-2023
21:03

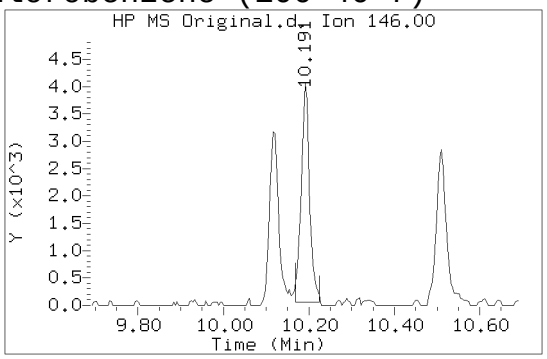


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InstruID : VOA9.i
LabSampID : VSTD000.5

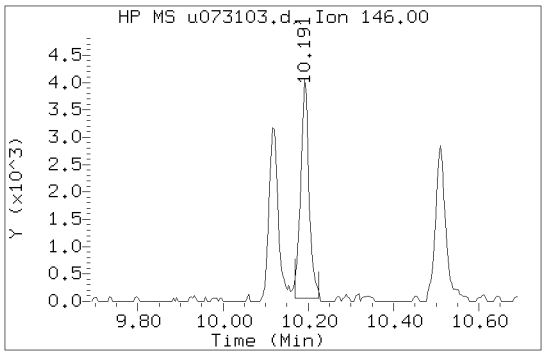
1,4-Dichlorobenzene (106-46-7)

Reason Code:

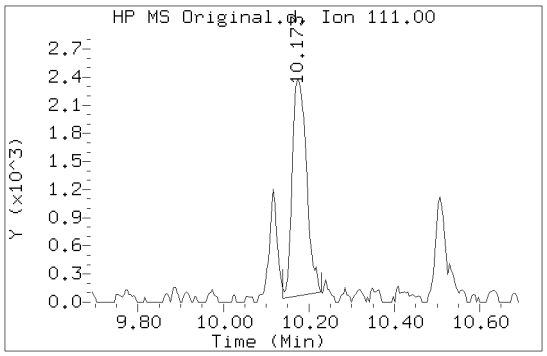
BEFORE
MASS
146
AREA
5577
HEIGHT
3993
01-Aug-2023
21:03



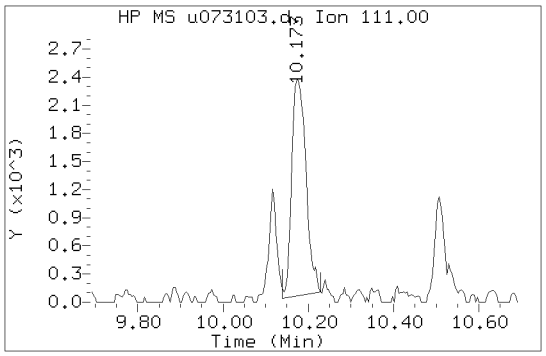
AFTER
MASS
146
AREA
5577
HEIGHT
3993
01-Aug-2023
21:03



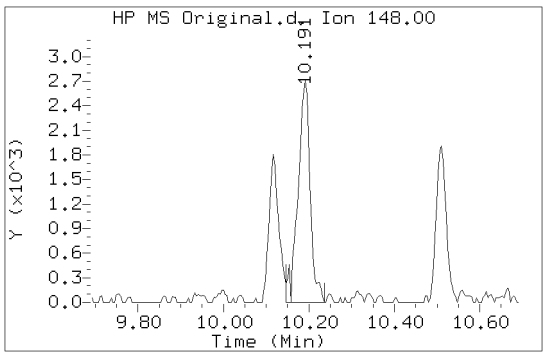
BEFORE
MASS
111
AREA
5405
HEIGHT
2302
01-Aug-2023
21:03



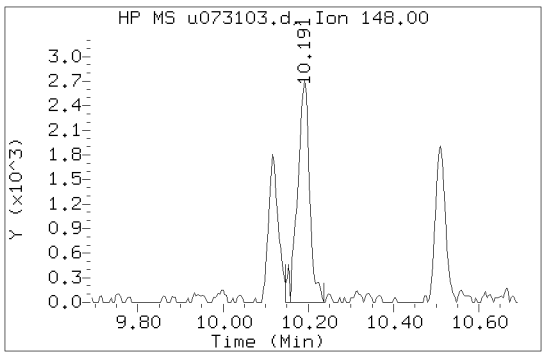
AFTER
MASS
111
AREA
5405
HEIGHT
2302
01-Aug-2023
21:03



BEFORE
MASS
148
AREA
5464
HEIGHT
2706
01-Aug-2023
21:03



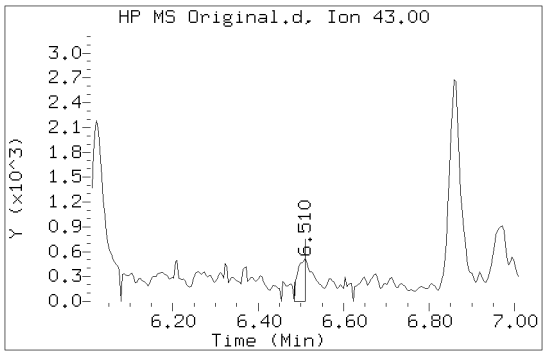
AFTER
MASS
148
AREA
5464
HEIGHT
2706
01-Aug-2023
21:03



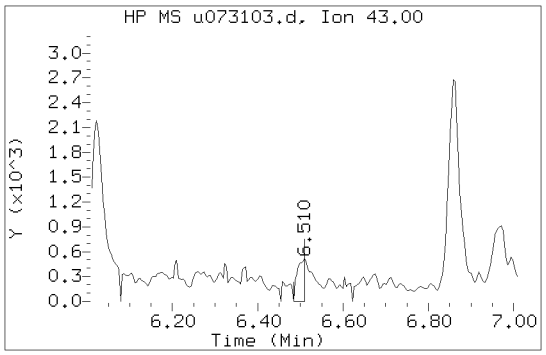
2-Nitropropane (79-46-9)

Reason Code:

BEFORE
MASS
43
AREA
661
HEIGHT
517
01-Aug-2023
21:03



AFTER
MASS
43
AREA
661
HEIGHT
517
01-Aug-2023
21:03



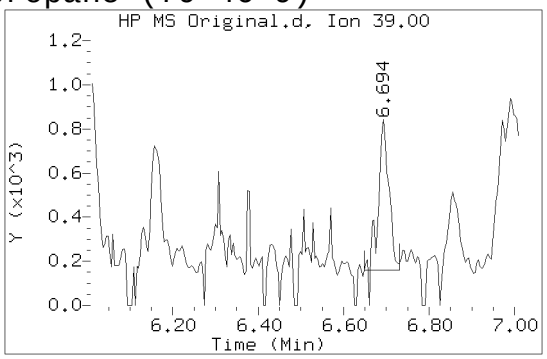
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Inj Date : 31-JUL-2023 11:53
InstruID : VOA9.i
LabSampID : VSTD000.5

2-Nitropropane (79-46-9)

Reason Code:

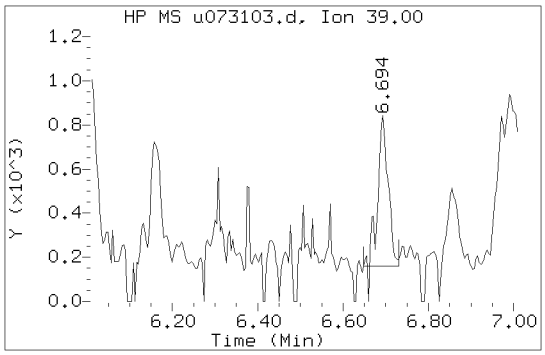
BEFORE

MASS
39
AREA
1143
HEIGHT
683
01-Aug-2023
21:03



AFTER

MASS
39
AREA
1143
HEIGHT
683
01-Aug-2023
21:03

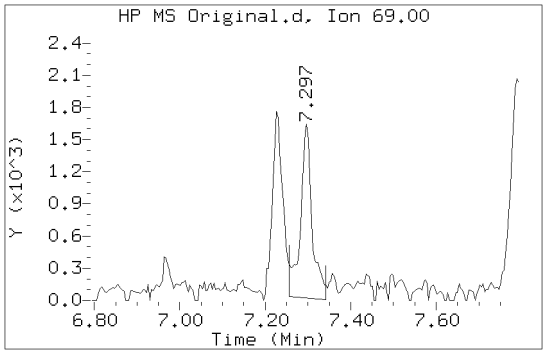


Ethyl Methacrylate (97-63-2)

Reason Code:

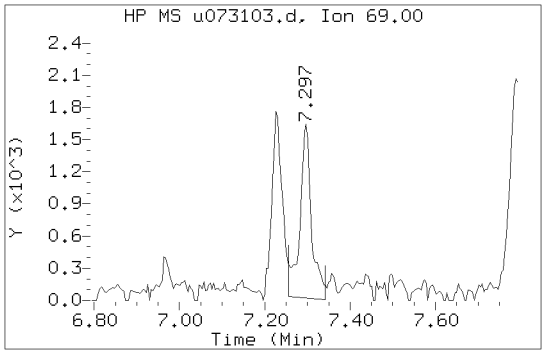
BEFORE

MASS
69
AREA
3176
HEIGHT
1621
01-Aug-2023
21:03



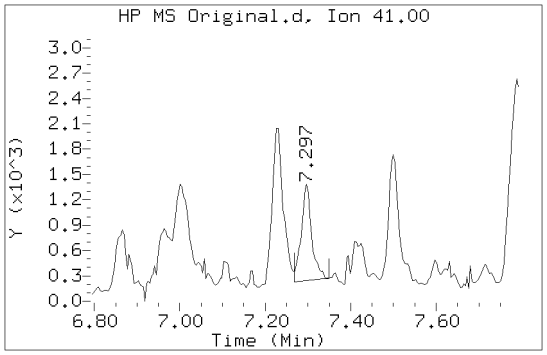
AFTER

MASS
69
AREA
3176
HEIGHT
1621
01-Aug-2023
21:03



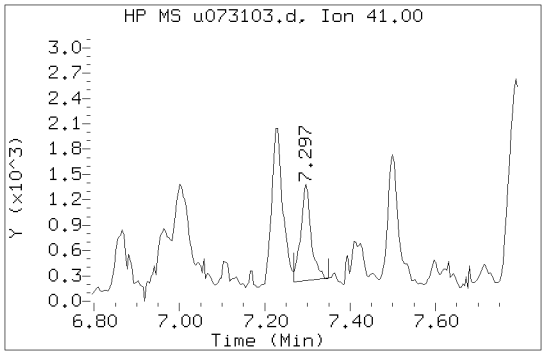
BEFORE

MASS
41
AREA
1981
HEIGHT
1135
01-Aug-2023
21:03



AFTER

MASS
41
AREA
1981
HEIGHT
1135
01-Aug-2023
21:03

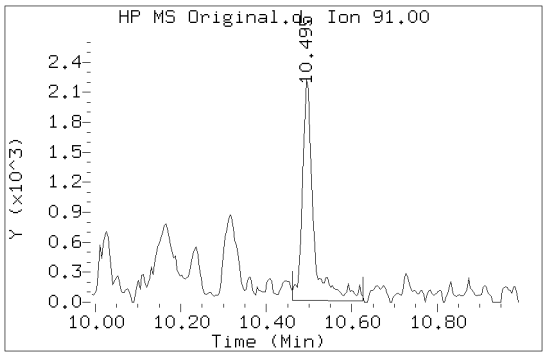


n-Butylbenzene (104-51-8)

Reason Code:

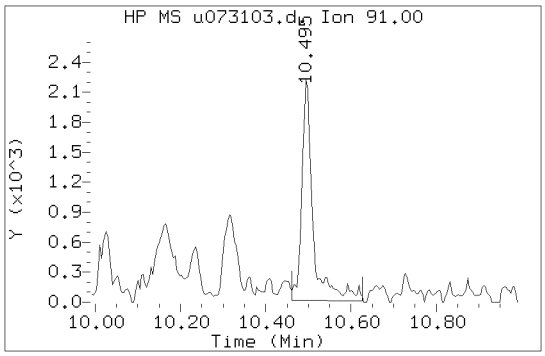
BEFORE

MASS
91
AREA
4114
HEIGHT
2205
01-Aug-2023
21:03



AFTER

MASS
91
AREA
4114
HEIGHT
2205
01-Aug-2023
21:03

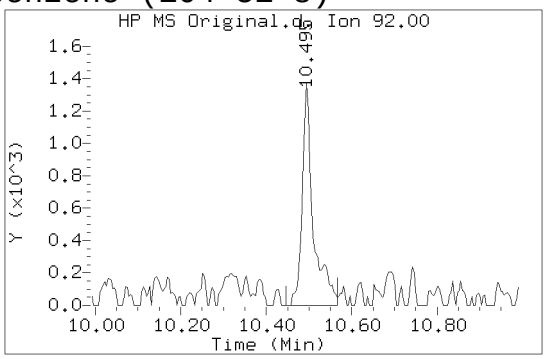


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InstruID : VOA9.i
LabSampID : VSTD000.5

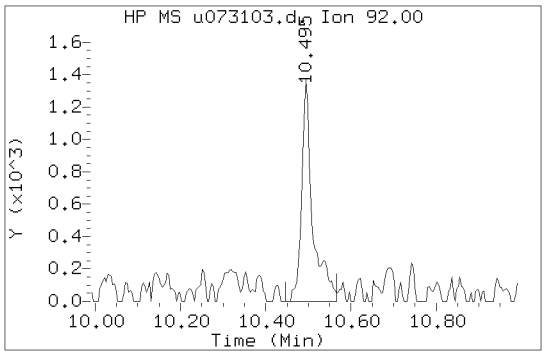
n-Butylbenzene (104-51-8)

Reason Code:

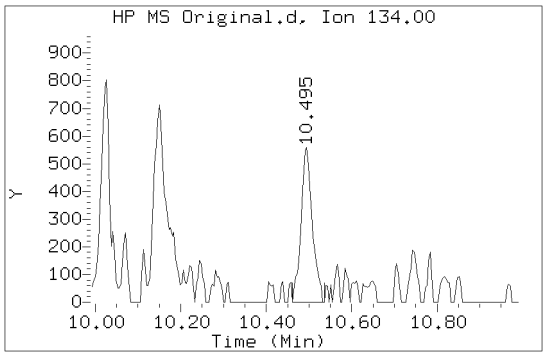
BEFORE
MASS
92
AREA
2489
HEIGHT
1369
01-Aug-2023
21:03



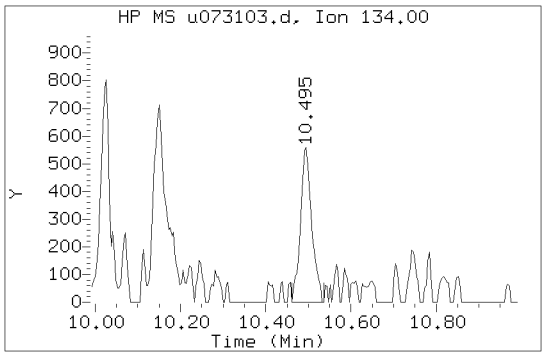
AFTER
MASS
92
AREA
2489
HEIGHT
1369
01-Aug-2023
21:03



BEFORE
MASS
134
AREA
1039
HEIGHT
559
01-Aug-2023
21:03



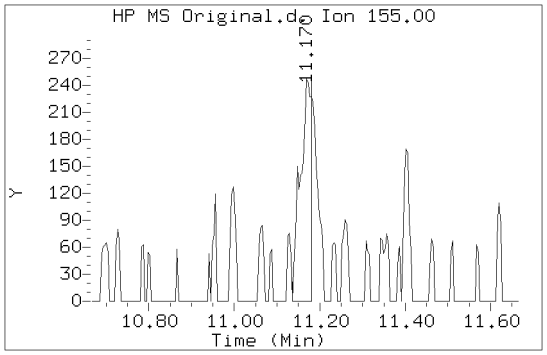
AFTER
MASS
134
AREA
1039
HEIGHT
559
01-Aug-2023
21:03



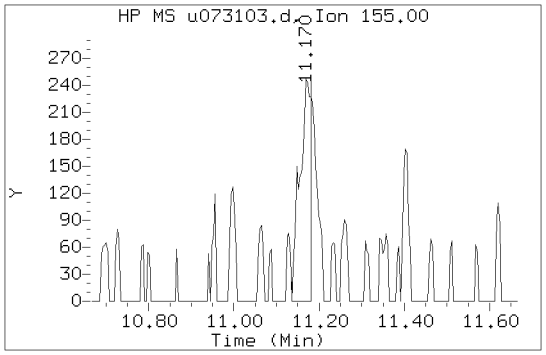
1,2-Dibromo-3-Chloropropane (96-12-8)

Reason Code:

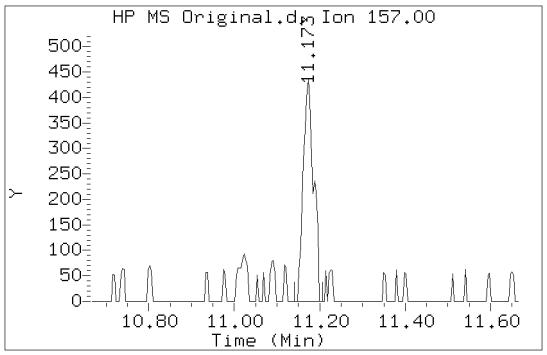
BEFORE
MASS
155
AREA
447
HEIGHT
247
01-Aug-2023
21:03



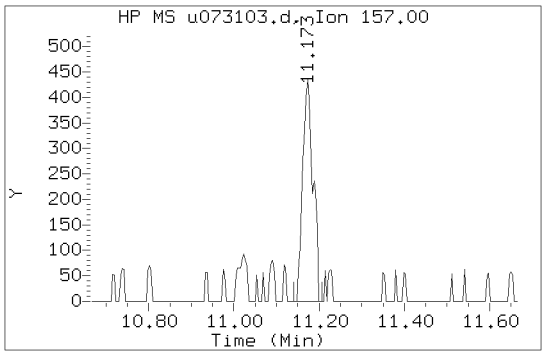
AFTER
MASS
155
AREA
447
HEIGHT
247
01-Aug-2023
21:03



BEFORE
MASS
157
AREA
739
HEIGHT
435
01-Aug-2023
21:03



AFTER
MASS
157
AREA
739
HEIGHT
435
01-Aug-2023
21:03

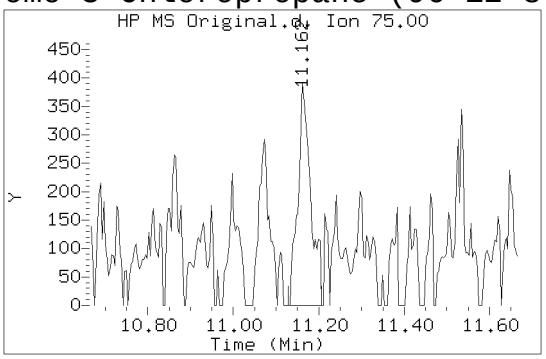


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InstruID : VOA9.i
LabSampID : VSTD000.5

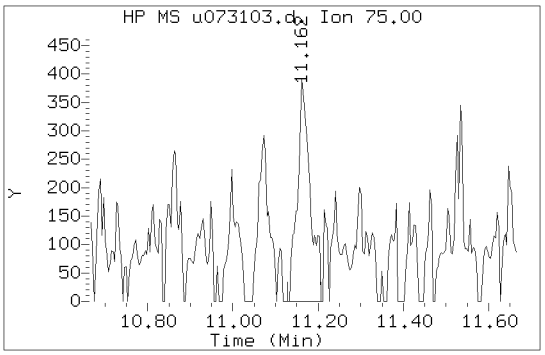
1,2-Dibromo-3-Chloropropane (96-12-8)

Reason Code:

BEFORE
MASS
75
AREA
826
HEIGHT
390
01-Aug-2023
21:03



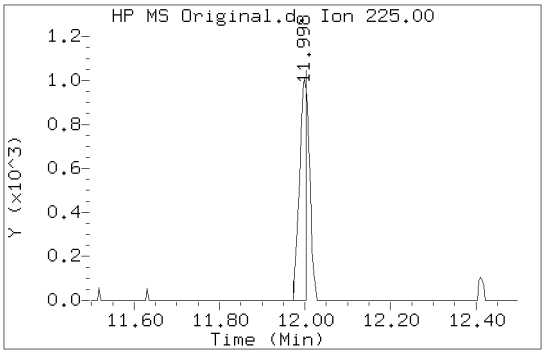
AFTER
MASS
75
AREA
826
HEIGHT
390
01-Aug-2023
21:03



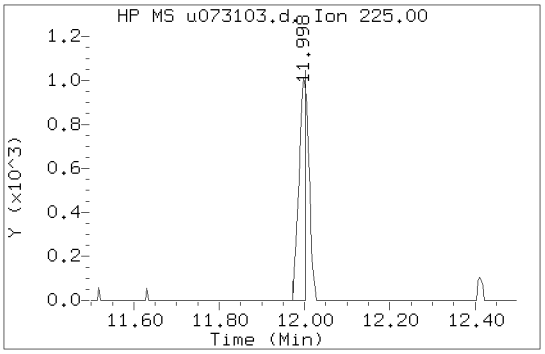
Hexachlorobutadiene (87-68-3)

Reason Code:

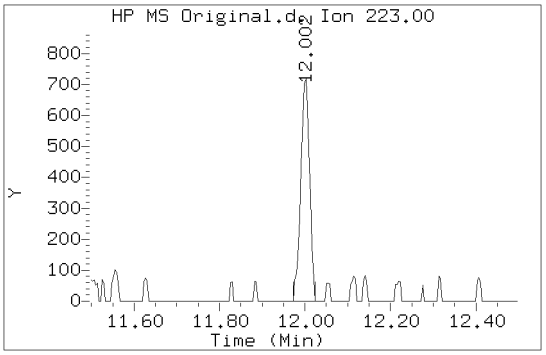
BEFORE
MASS
225
AREA
1126
HEIGHT
1008
01-Aug-2023
21:03



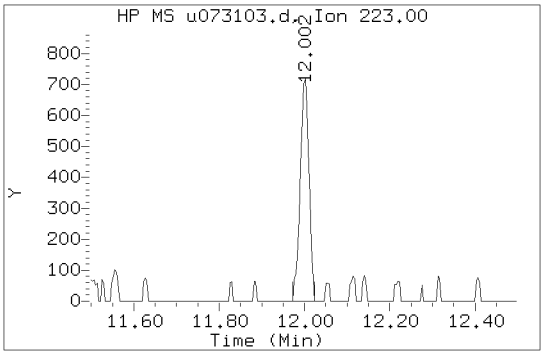
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MASS
225
AREA
1126
HEIGHT
1008
01-Aug-2023
21:03



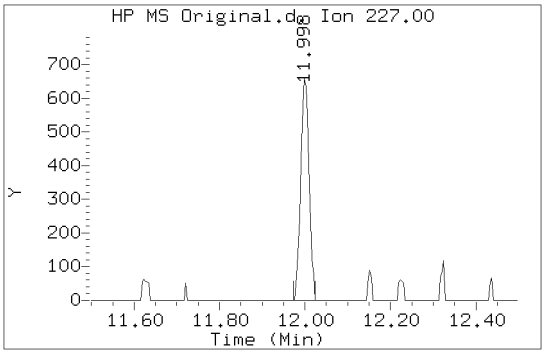
BEFORE
MASS
223
AREA
1061
HEIGHT
718
01-Aug-2023
21:03



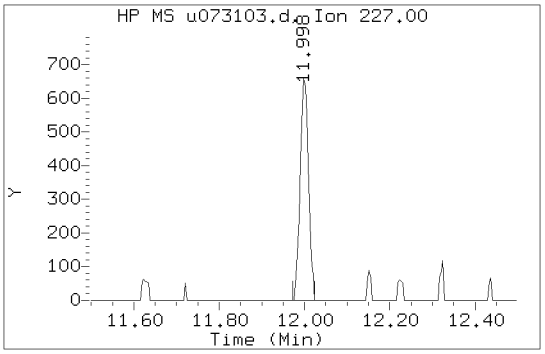
AFTER
MASS
223
AREA
1061
HEIGHT
718
01-Aug-2023
21:03



BEFORE
MASS
227
AREA
926
HEIGHT
658
01-Aug-2023
21:03



AFTER
MASS
227
AREA
926
HEIGHT
658
01-Aug-2023
21:03

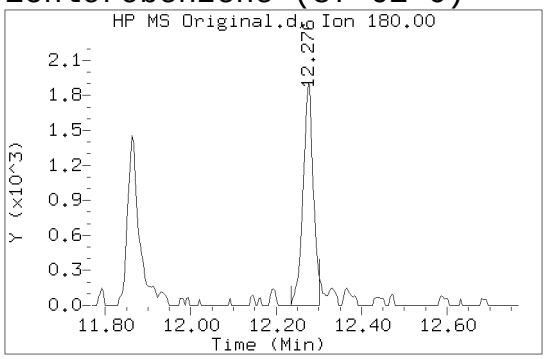


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InstruID : VOA9.i
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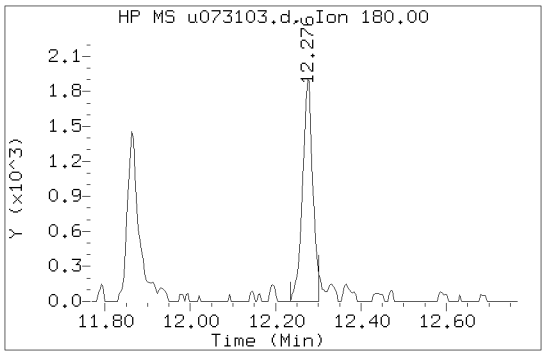
1,2,3-Trichlorobenzene (87-61-6)

Reason Code:

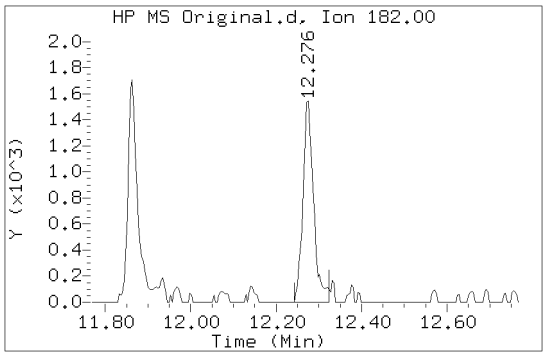
BEFORE
MASS
180
AREA
3219
HEIGHT
1900
01-Aug-2023
21:03



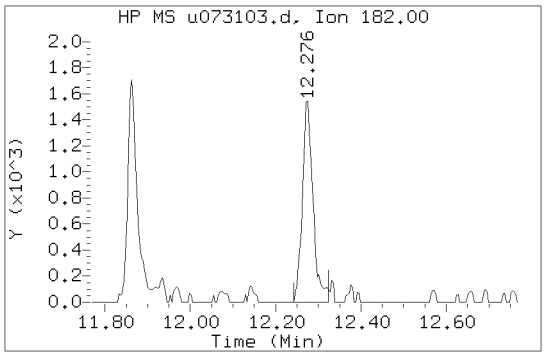
AFTER
MASS
180
AREA
3219
HEIGHT
1900
01-Aug-2023
21:03



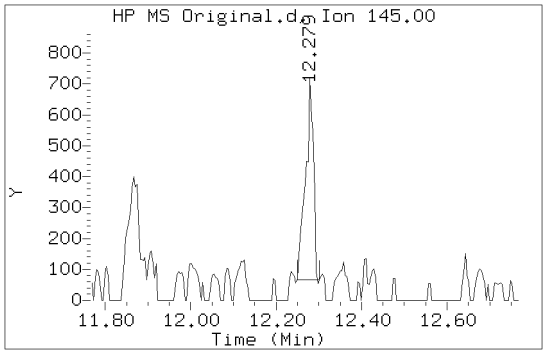
BEFORE
MASS
182
AREA
2714
HEIGHT
1545
01-Aug-2023
21:03



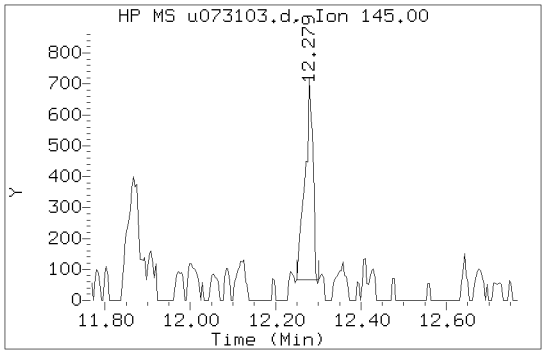
AFTER
MASS
182
AREA
2714
HEIGHT
1545
01-Aug-2023
21:03



BEFORE
MASS
145
AREA
836
HEIGHT
650
01-Aug-2023
21:03



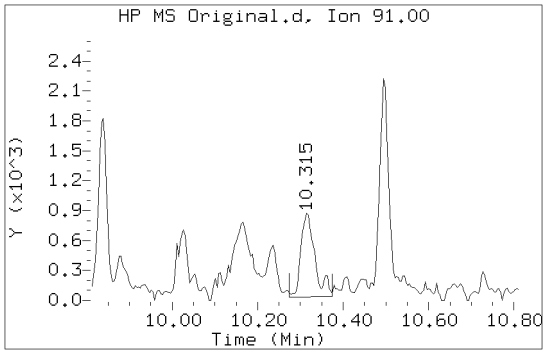
AFTER
MASS
145
AREA
836
HEIGHT
650
01-Aug-2023
21:03



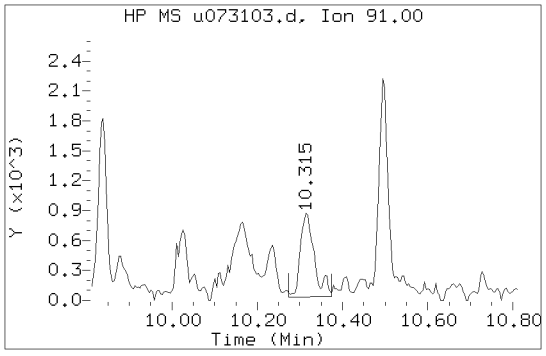
Benzyl Chloride (100-44-7)

Reason Code:

BEFORE
MASS
91
AREA
1941
HEIGHT
838
01-Aug-2023
21:03



AFTER
MASS
91
AREA
1941
HEIGHT
838
01-Aug-2023
21:03

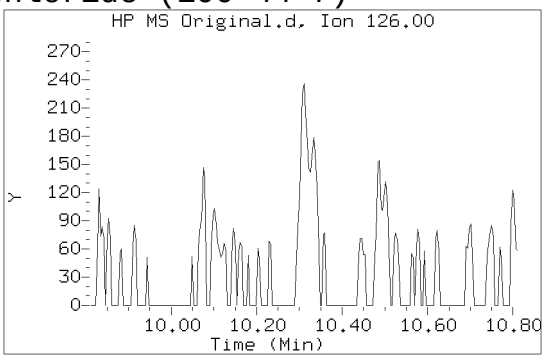


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InstruID : VOA9.i
LabSampID : VSTD000.5

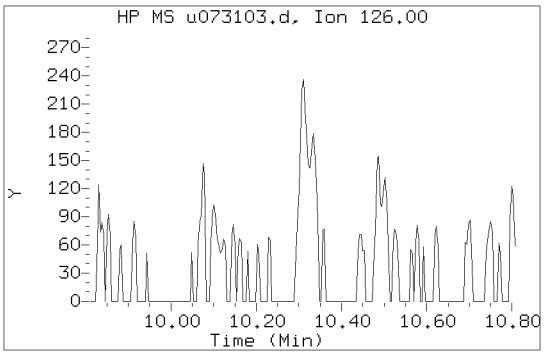
Benzyl Chloride (100-44-7)

Reason Code:

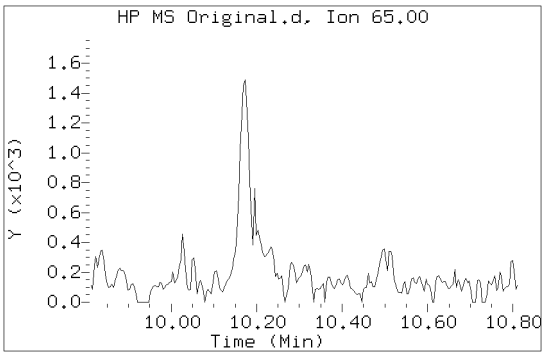
BEFORE
MASS
126
AREA
0
HEIGHT
0
01-Aug-2023
21:03



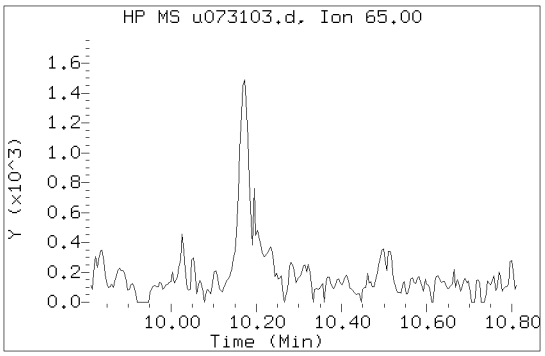
AFTER
MASS
126
AREA
0
HEIGHT
0
01-Aug-2023
21:03



BEFORE
MASS
65
AREA
0
HEIGHT
0
01-Aug-2023
21:03



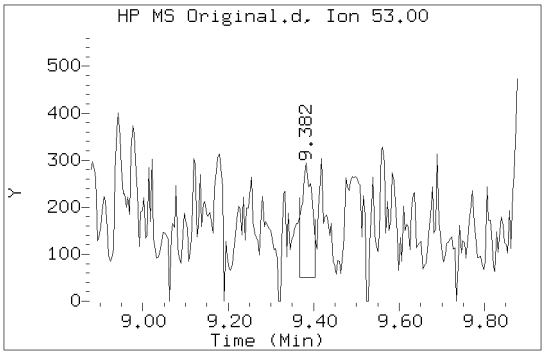
AFTER
MASS
65
AREA
0
HEIGHT
0
01-Aug-2023
21:03



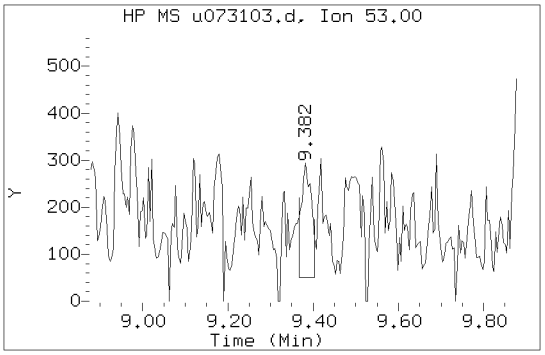
trans-1,4-Dichloro-2-butene (110-57-6)

Reason Code:

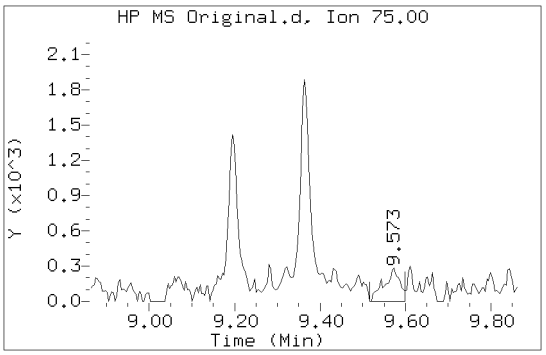
BEFORE
MASS
53
AREA
422
HEIGHT
243
01-Aug-2023
21:03



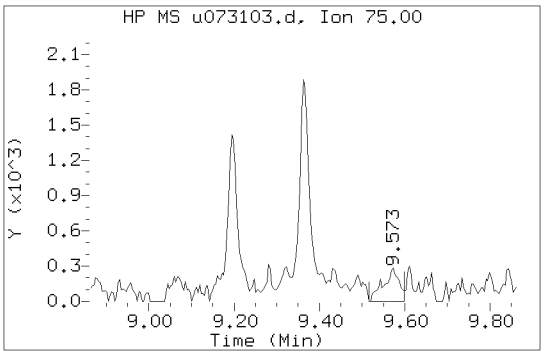
AFTER
MASS
53
AREA
422
HEIGHT
243
01-Aug-2023
21:03



BEFORE
MASS
75
AREA
722
HEIGHT
284
01-Aug-2023
21:03



AFTER
MASS
75
AREA
722
HEIGHT
284
01-Aug-2023
21:03

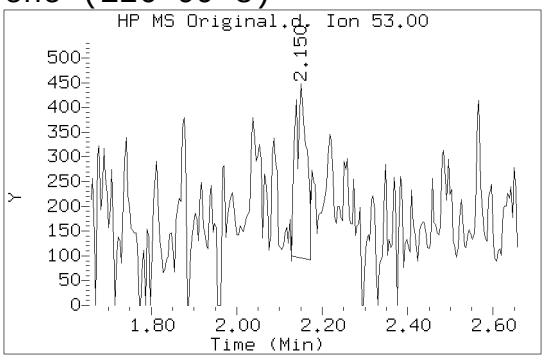


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LabSampID : VSTD000.5

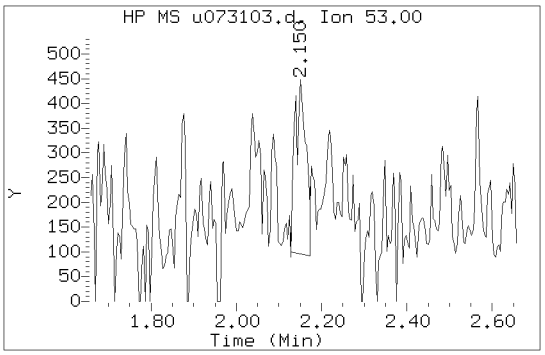
Chloroprene (126-99-8)

Reason Code:

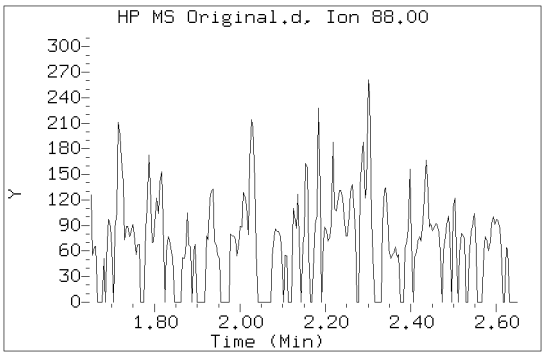
BEFORE
MASS
53
AREA
645
HEIGHT
352
01-Aug-2023
21:03



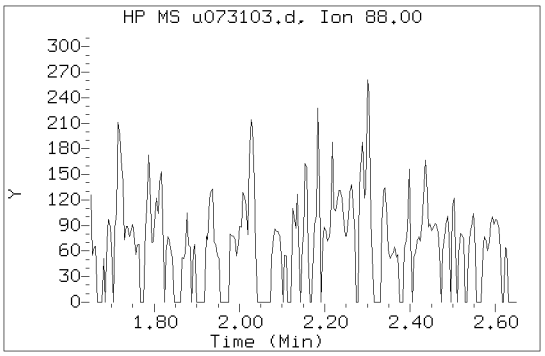
AFTER
MASS
53
AREA
645
HEIGHT
352
01-Aug-2023
21:03



BEFORE
MASS
88
AREA
0
HEIGHT
0
01-Aug-2023
21:03



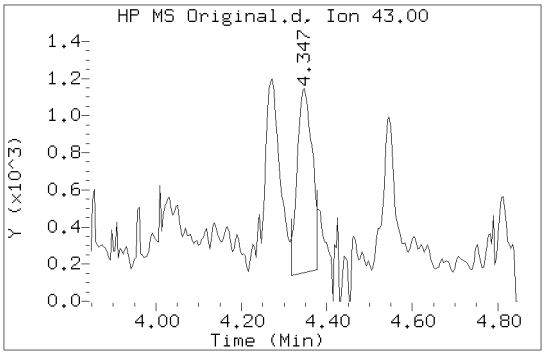
AFTER
MASS
88
AREA
0
HEIGHT
0
01-Aug-2023
21:03



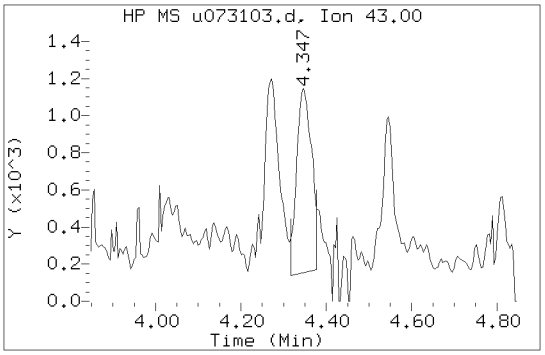
Ethyl Acetate (141-78-6)

Reason Code:

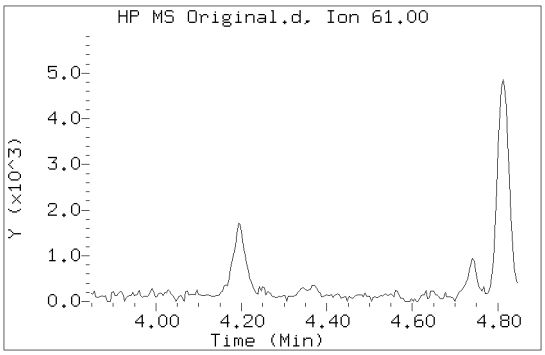
BEFORE
MASS
43
AREA
2477
HEIGHT
989
01-Aug-2023
21:03



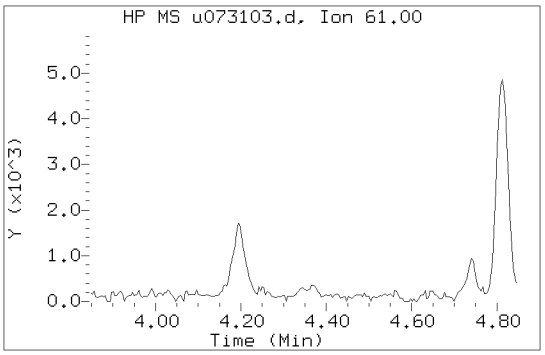
AFTER
MASS
43
AREA
2477
HEIGHT
989
01-Aug-2023
21:03



BEFORE
MASS
61
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER
MASS
61
AREA
0
HEIGHT
0
01-Aug-2023
21:03

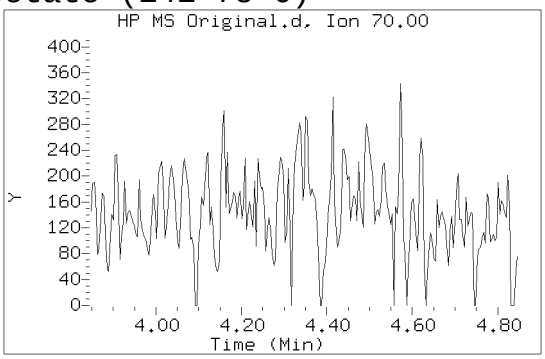


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InstruID : VOA9.i
LabSampID : VSTD000.5

Ethyl Acetate (141-78-6)

BEFORE

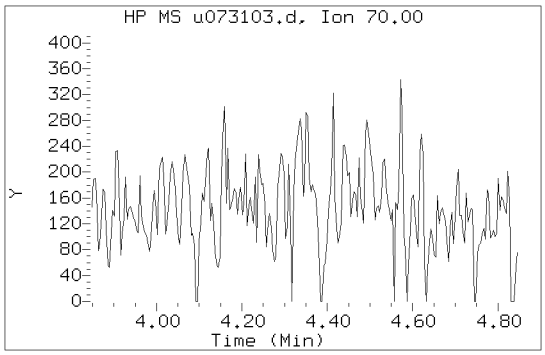
MASS
70
AREA
0
HEIGHT
0
01-Aug-2023
21:03



Reason Code:

AFTER

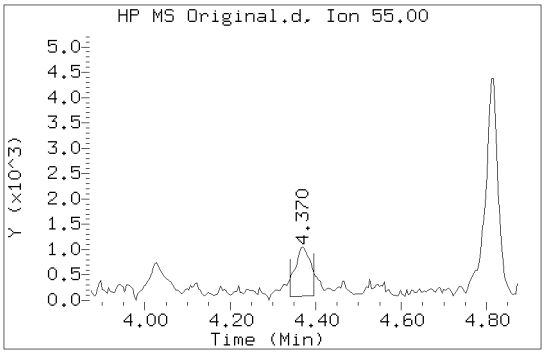
MASS
70
AREA
0
HEIGHT
0
01-Aug-2023
21:03



Methyl Acrylate (96-33-3)

BEFORE

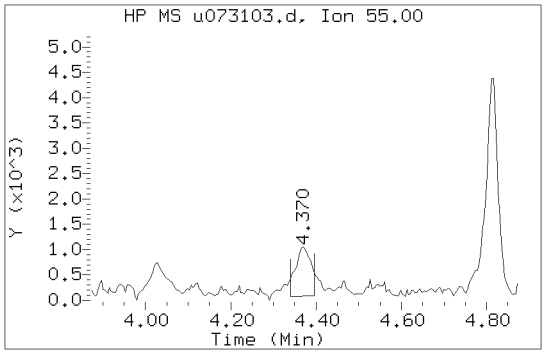
MASS
55
AREA
2472
HEIGHT
970
01-Aug-2023
21:03



Reason Code:

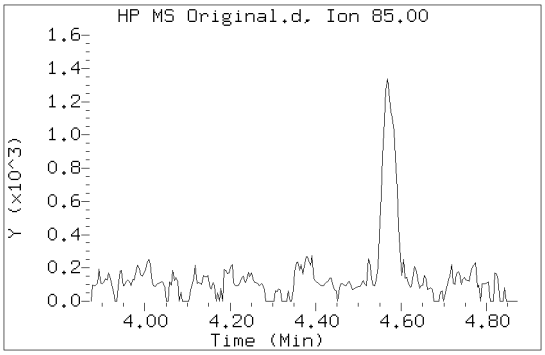
AFTER

MASS
55
AREA
2472
HEIGHT
970
01-Aug-2023
21:03



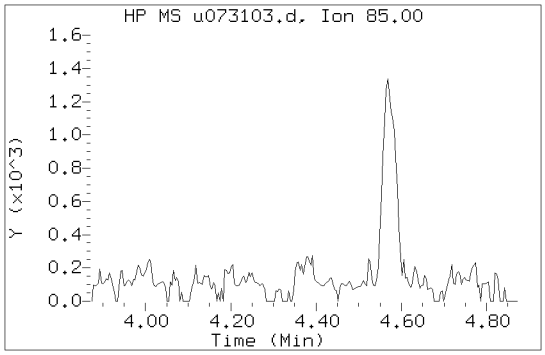
BEFORE

MASS
85
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER

MASS
85
AREA
0
HEIGHT
0
01-Aug-2023
21:03

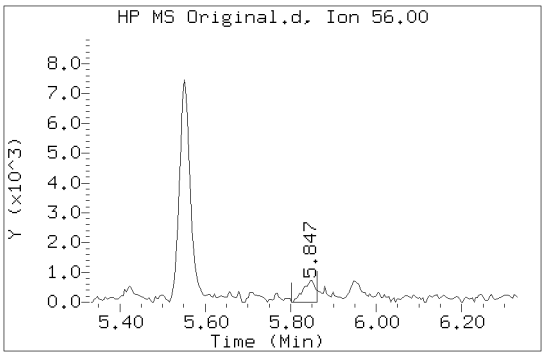


n-Butanol (71-36-3)

Reason Code:

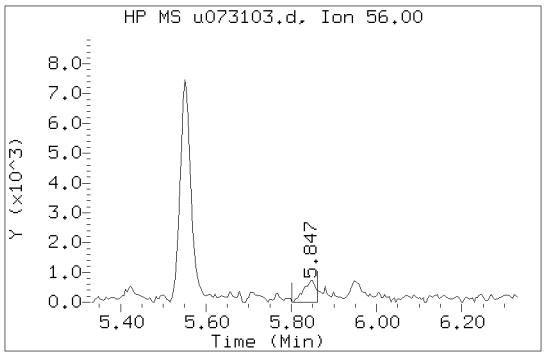
BEFORE

MASS
56
AREA
1456
HEIGHT
725
01-Aug-2023
21:03



AFTER

MASS
56
AREA
1456
HEIGHT
725
01-Aug-2023
21:03



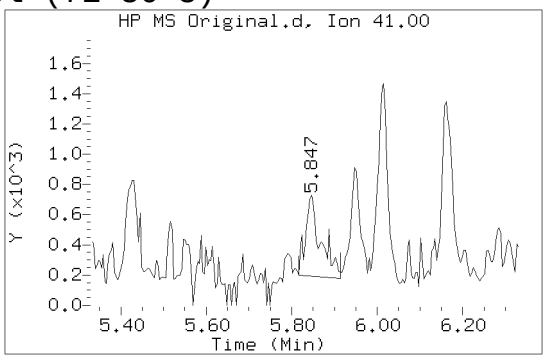
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InstruID : VOA9.i
LabSampID : VSTD000.5

n-Butanol (71-36-3)

Reason Code:

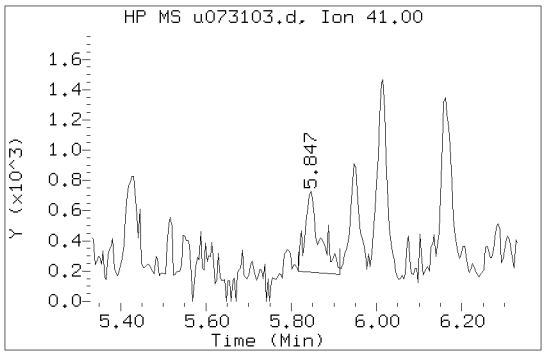
BEFORE

MASS
41
AREA
1328
HEIGHT
535
01-Aug-2023
21:03



AFTER

MASS
41
AREA
1328
HEIGHT
535
01-Aug-2023
21:03

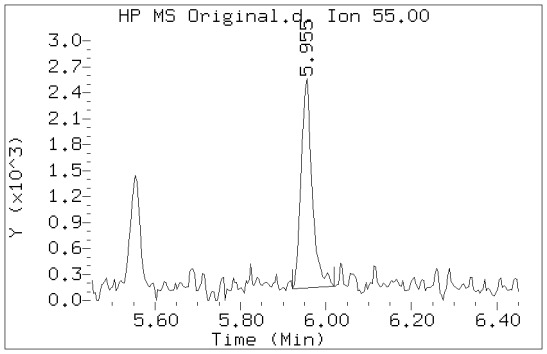


Ethyl Acrylate (140-88-5)

Reason Code:

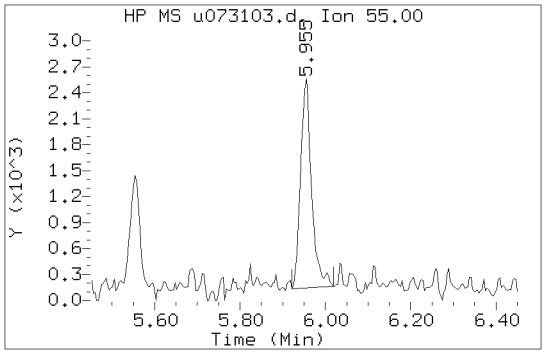
BEFORE

MASS
55
AREA
4410
HEIGHT
2418
01-Aug-2023
21:03



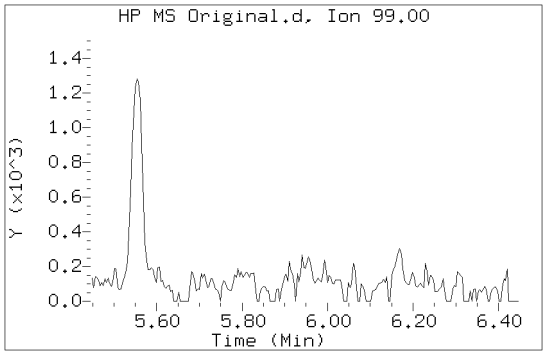
AFTER

MASS
55
AREA
4410
HEIGHT
2418
01-Aug-2023
21:03



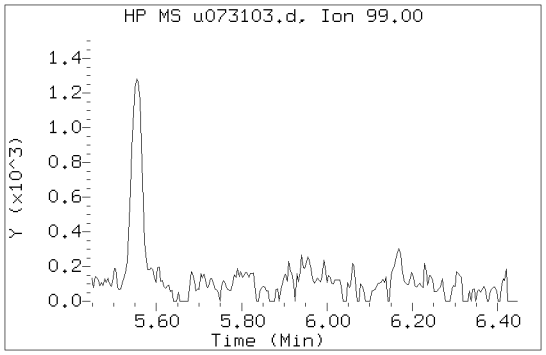
BEFORE

MASS
99
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER

MASS
99
AREA
0
HEIGHT
0
01-Aug-2023
21:03

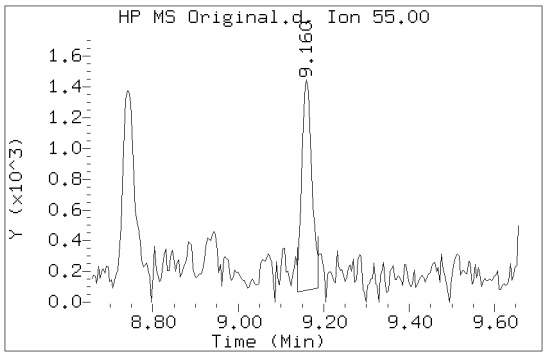


Cyclohexanone (108-94-1)

Reason Code:

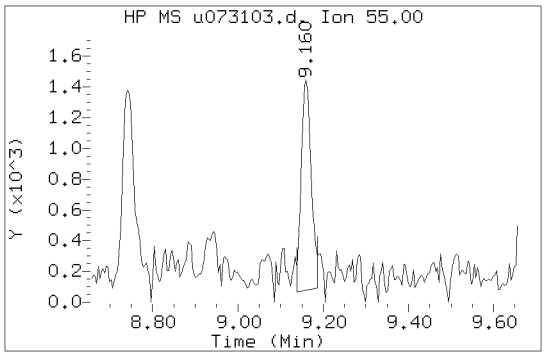
BEFORE

MASS
55
AREA
2325
HEIGHT
1368
01-Aug-2023
21:03



AFTER

MASS
55
AREA
2325
HEIGHT
1368
01-Aug-2023
21:03

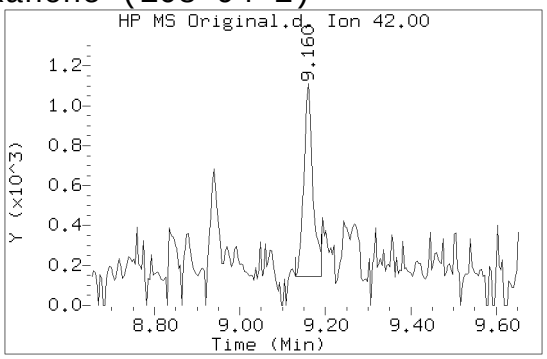


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InstruID : VOA9.i
LabSampID : VSTD000.5

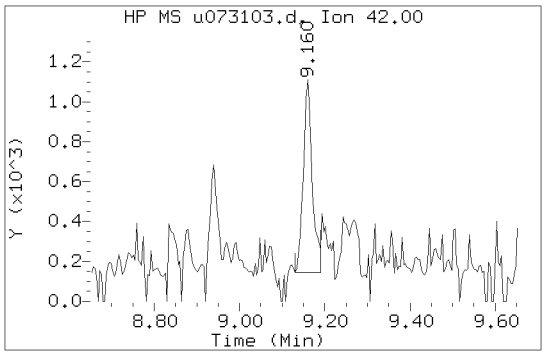
Cyclohexanone (108-94-1)

Reason Code:

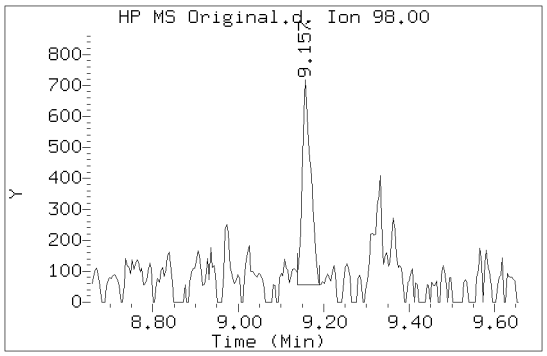
BEFORE
MASS
42
AREA
1432
HEIGHT
965
01-Aug-2023
21:03



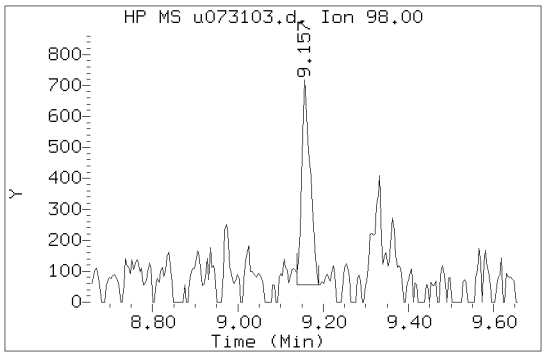
AFTER
MASS
42
AREA
1432
HEIGHT
965
01-Aug-2023
21:03



BEFORE
MASS
98
AREA
938
HEIGHT
662
01-Aug-2023
21:03



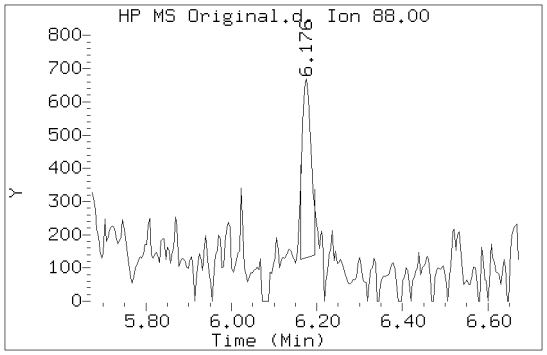
AFTER
MASS
98
AREA
938
HEIGHT
662
01-Aug-2023
21:03



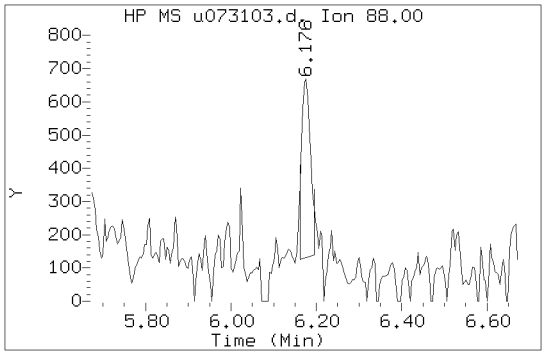
1,4-Dioxane ()

Reason Code:

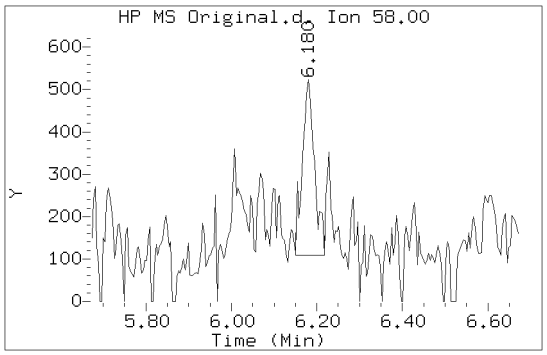
BEFORE
MASS
88
AREA
808
HEIGHT
537
01-Aug-2023
21:03



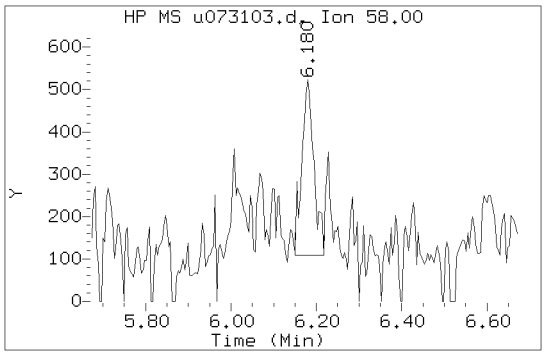
AFTER
MASS
88
AREA
808
HEIGHT
537
01-Aug-2023
21:03



BEFORE
MASS
58
AREA
823
HEIGHT
414
01-Aug-2023
21:03



AFTER
MASS
58
AREA
823
HEIGHT
414
01-Aug-2023
21:03

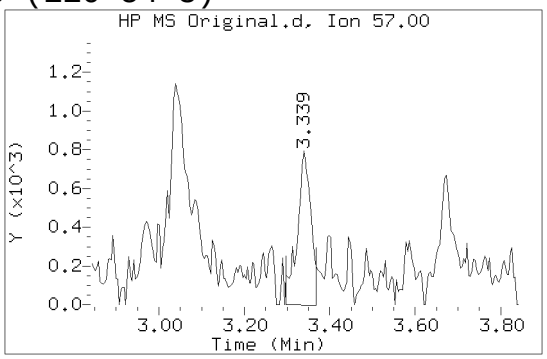


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InstruID : VOA9.i
LabSampID : VSTD000.5

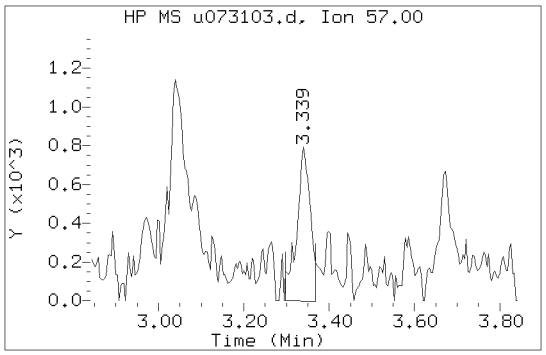
n-Hexane (110-54-3)

Reason Code:

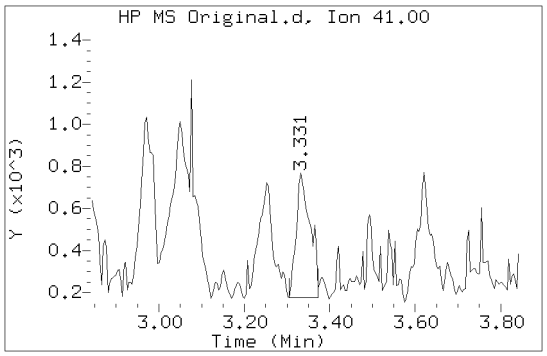
BEFORE
MASS
57
AREA
1804
HEIGHT
794
01-Aug-2023
21:03



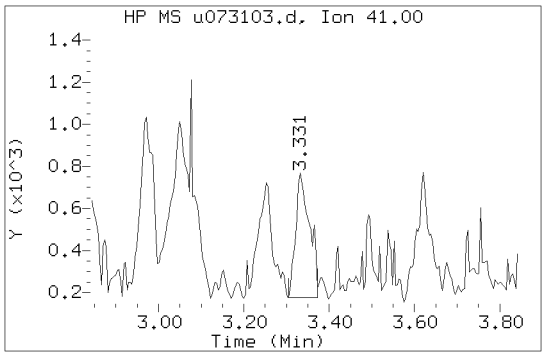
AFTER
MASS
57
AREA
1804
HEIGHT
794
01-Aug-2023
21:03



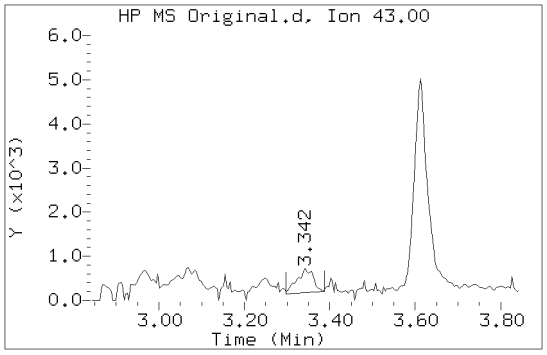
BEFORE
MASS
41
AREA
1365
HEIGHT
592
01-Aug-2023
21:03



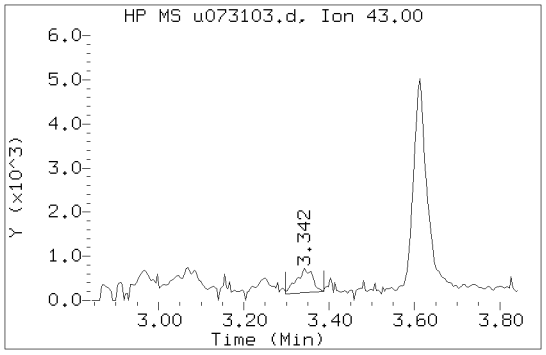
AFTER
MASS
41
AREA
1365
HEIGHT
592
01-Aug-2023
21:03



BEFORE
MASS
43
AREA
1425
HEIGHT
550
01-Aug-2023
21:03



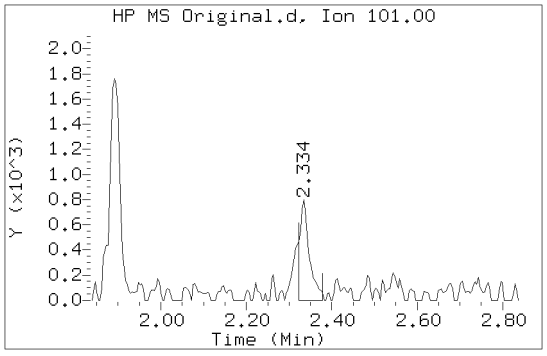
AFTER
MASS
43
AREA
1425
HEIGHT
550
01-Aug-2023
21:03



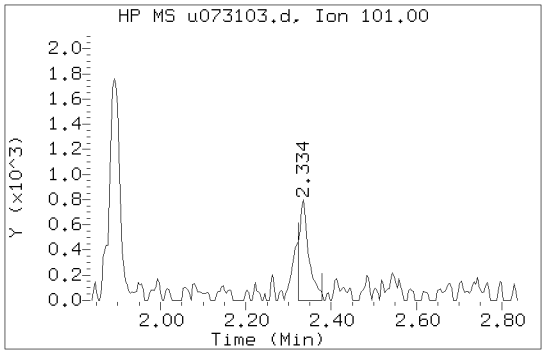
Freon TF (76-13-1)

Reason Code:

BEFORE
MASS
101
AREA
1250
HEIGHT
802
01-Aug-2023
21:03



AFTER
MASS
101
AREA
1250
HEIGHT
802
01-Aug-2023
21:03



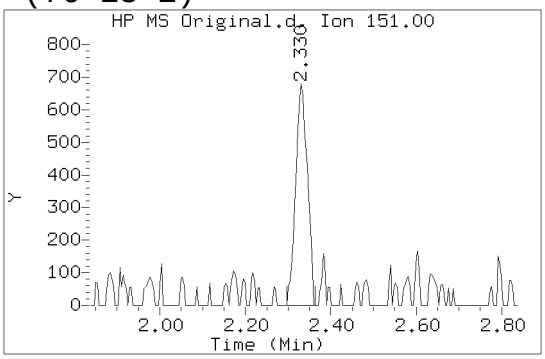
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Inj Date : 31-JUL-2023 11:53
InstruID : VOA9.i
LabSampID : VSTD000.5

Freon TF (76-13-1)

Reason Code:

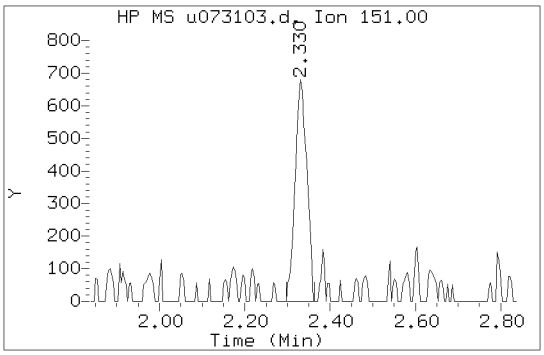
BEFORE

MASS
151
AREA
1313
HEIGHT
680
01-Aug-2023
21:03



AFTER

MASS
151
AREA
1313
HEIGHT
680
01-Aug-2023
21:03

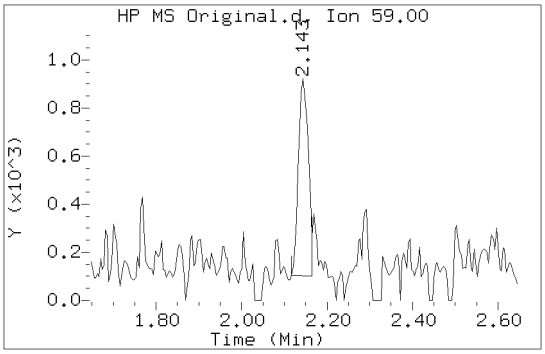


Diethyl ether (60-29-7)

Reason Code:

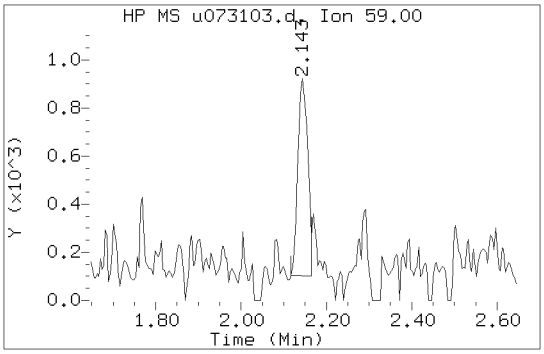
BEFORE

MASS
59
AREA
1362
HEIGHT
820
01-Aug-2023
21:03



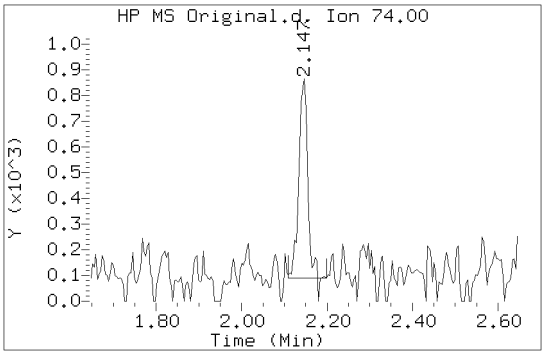
AFTER

MASS
59
AREA
1362
HEIGHT
820
01-Aug-2023
21:03



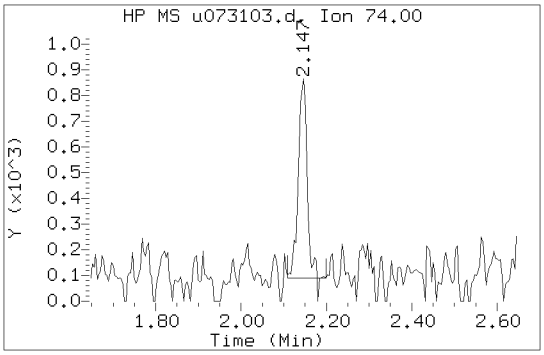
BEFORE

MASS
74
AREA
1129
HEIGHT
775
01-Aug-2023
21:03



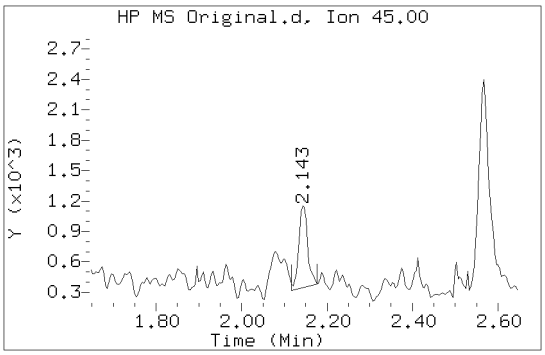
AFTER

MASS
74
AREA
1129
HEIGHT
775
01-Aug-2023
21:03



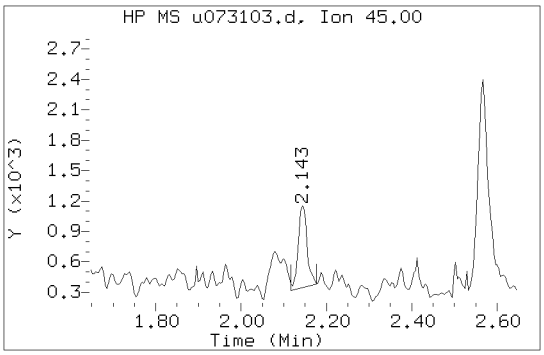
BEFORE

MASS
45
AREA
1192
HEIGHT
809
01-Aug-2023
21:03



AFTER

MASS
45
AREA
1192
HEIGHT
809
01-Aug-2023
21:03

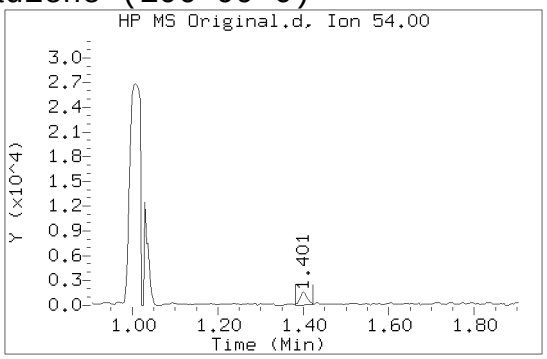


Data File : \\nahstws005\target\chem\voa9.i\u230731.b\u073103.d
Inj Date : 31-JUL-2023 11:53
InstruID : VOA9.i
LabSampID : VSTD000.5

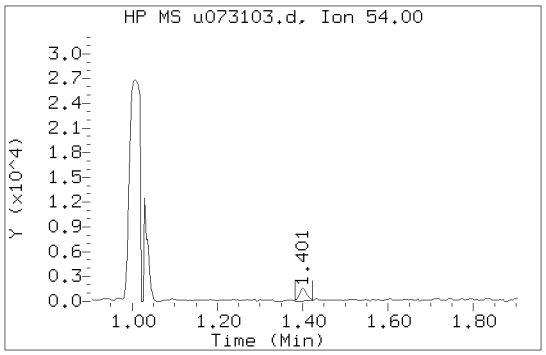
1,3-Butadiene (106-99-0)

Reason Code:

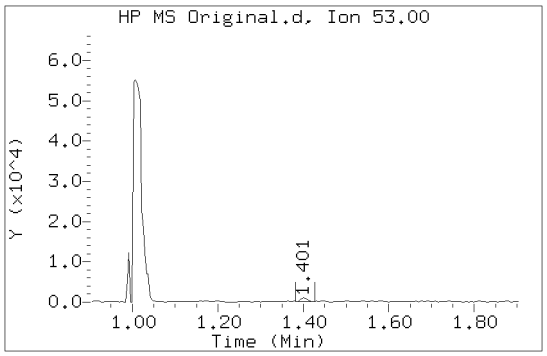
BEFORE
MASS
54
AREA
1979
HEIGHT
1609
01-Aug-2023
21:03



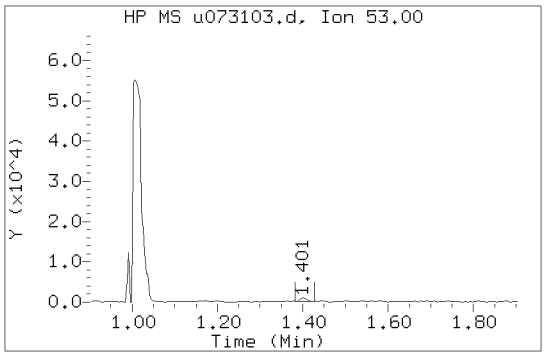
AFTER
MASS
54
AREA
1979
HEIGHT
1609
01-Aug-2023
21:03



BEFORE
MASS
53
AREA
1102
HEIGHT
938
01-Aug-2023
21:03



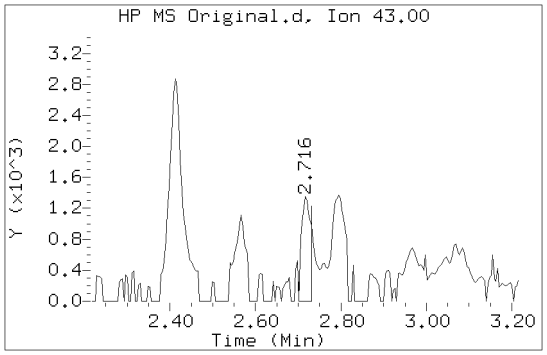
AFTER
MASS
53
AREA
1102
HEIGHT
938
01-Aug-2023
21:03



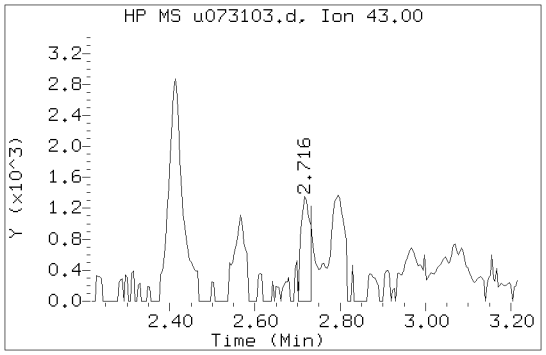
Methyl acetate (79-20-9)

Reason Code:

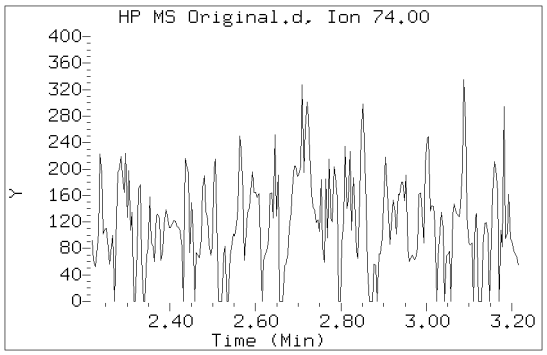
BEFORE
MASS
43
AREA
1992
HEIGHT
1351
01-Aug-2023
21:03



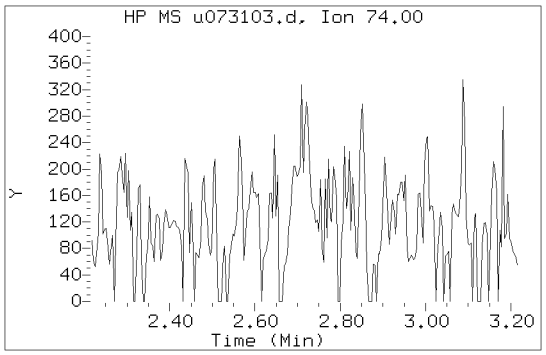
AFTER
MASS
43
AREA
1992
HEIGHT
1351
01-Aug-2023
21:03



BEFORE
MASS
74
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER
MASS
74
AREA
0
HEIGHT
0
01-Aug-2023
21:03

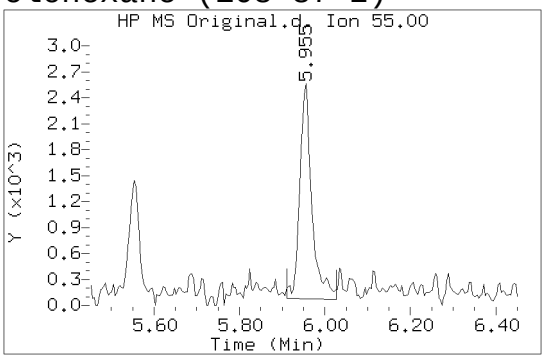


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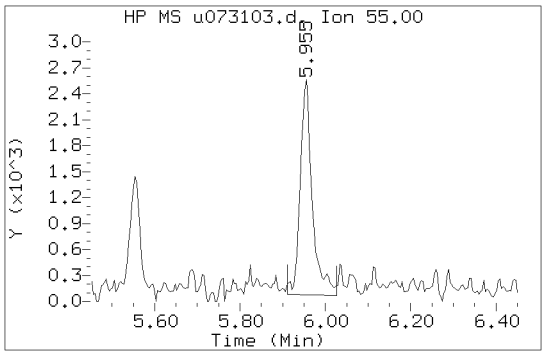
Methylcyclohexane (108-87-2)

Reason Code:

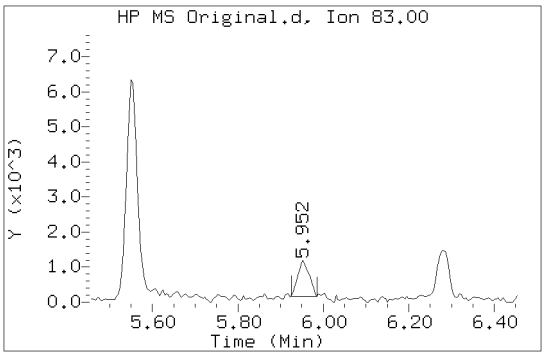
BEFORE
MASS
55
AREA
4995
HEIGHT
2486
01-Aug-2023
21:03



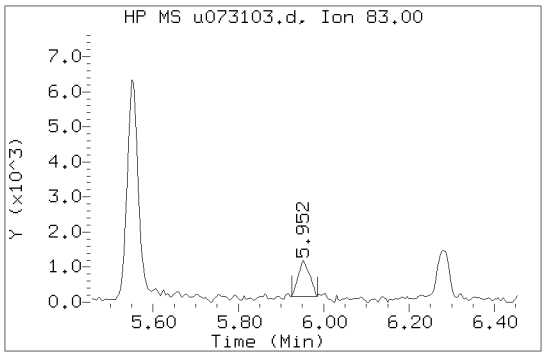
AFTER
MASS
55
AREA
4995
HEIGHT
2486
01-Aug-2023
21:03



BEFORE
MASS
83
AREA
1938
HEIGHT
1034
01-Aug-2023
21:03



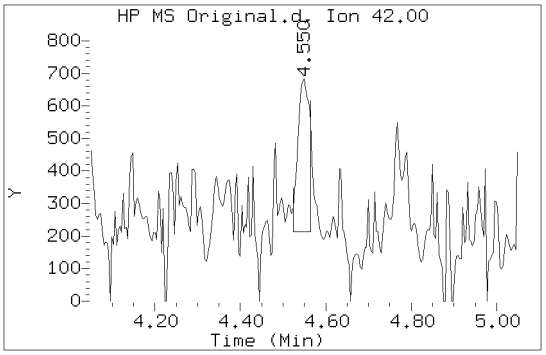
AFTER
MASS
83
AREA
1938
HEIGHT
1034
01-Aug-2023
21:03



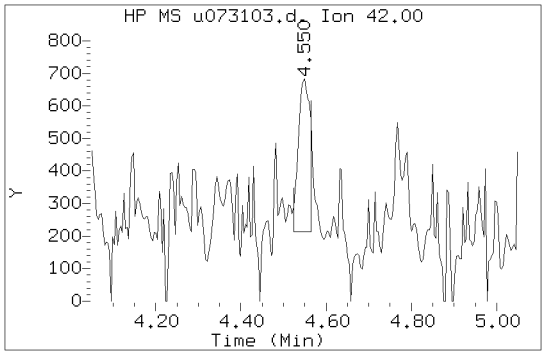
Tetrahydrofuran (109-99-9)

Reason Code:

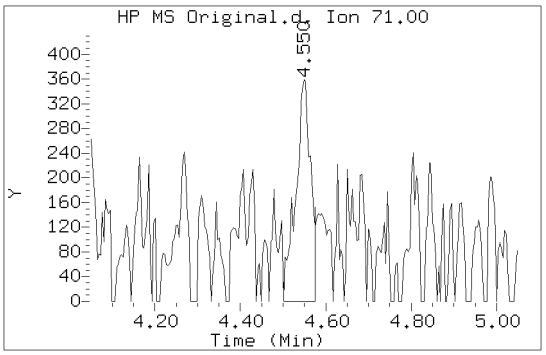
BEFORE
MASS
42
AREA
900
HEIGHT
469
01-Aug-2023
21:03



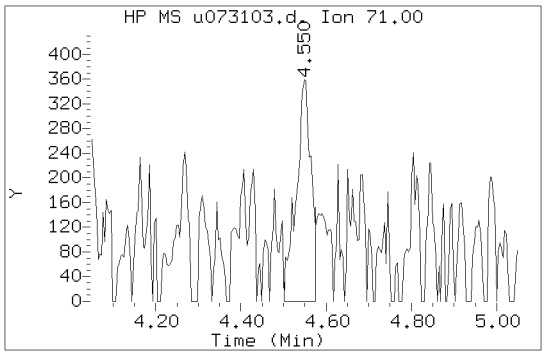
AFTER
MASS
42
AREA
900
HEIGHT
469
01-Aug-2023
21:03



BEFORE
MASS
71
AREA
884
HEIGHT
359
01-Aug-2023
21:03



AFTER
MASS
71
AREA
884
HEIGHT
359
01-Aug-2023
21:03

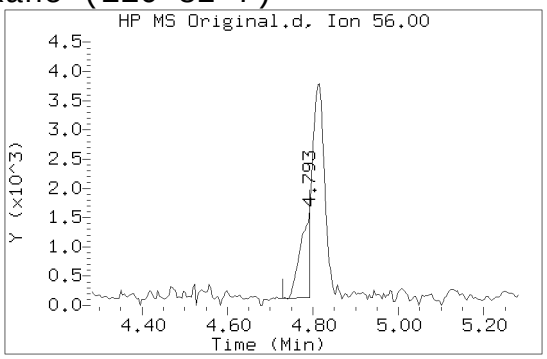


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Inj Date : 31-JUL-2023 11:53
InstruID : VOA9.i
LabSampID : VSTD000.5

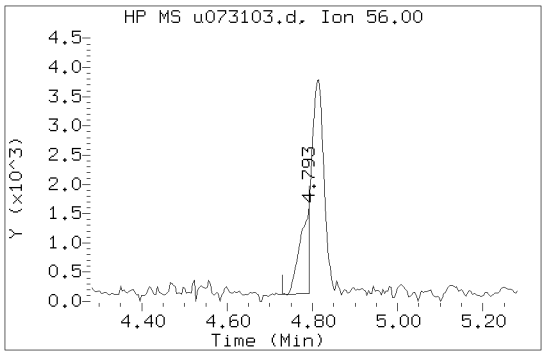
Cyclohexane (110-82-7)

Reason Code:

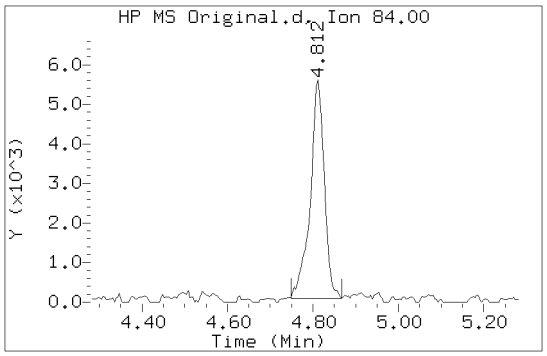
BEFORE
MASS
56
AREA
2383
HEIGHT
1517
01-Aug-2023
21:03



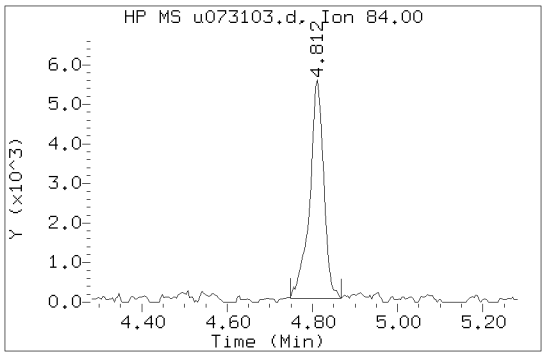
AFTER
MASS
56
AREA
2383
HEIGHT
1517
01-Aug-2023
21:03



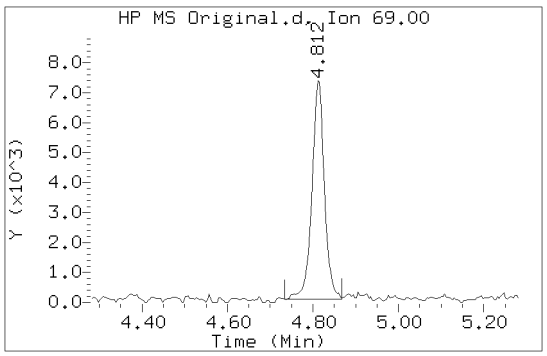
BEFORE
MASS
84
AREA
12651
HEIGHT
5518
01-Aug-2023
21:03



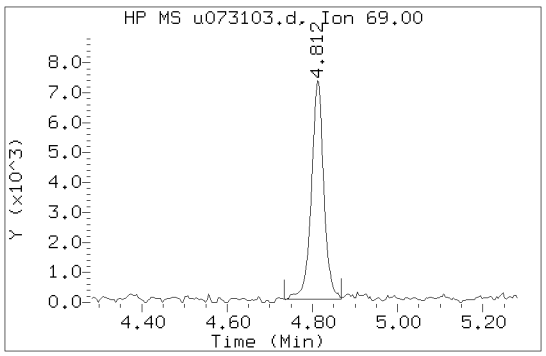
AFTER
MASS
84
AREA
12651
HEIGHT
5518
01-Aug-2023
21:03



BEFORE
MASS
69
AREA
14776
HEIGHT
7294
01-Aug-2023
21:03



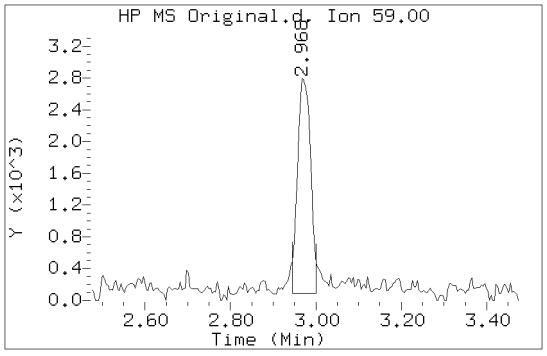
AFTER
MASS
69
AREA
14776
HEIGHT
7294
01-Aug-2023
21:03



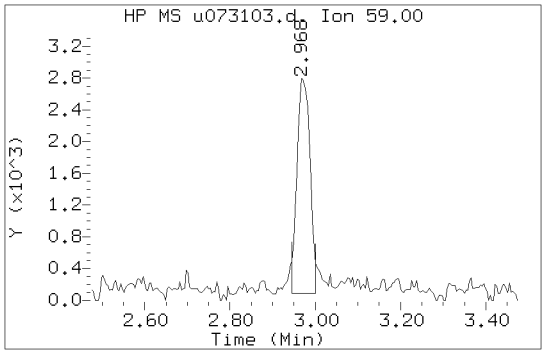
Tert-butyl alcohol (75-65-0)

Reason Code:

BEFORE
MASS
59
AREA
5912
HEIGHT
2703
01-Aug-2023
21:03



AFTER
MASS
59
AREA
5912
HEIGHT
2703
01-Aug-2023
21:03



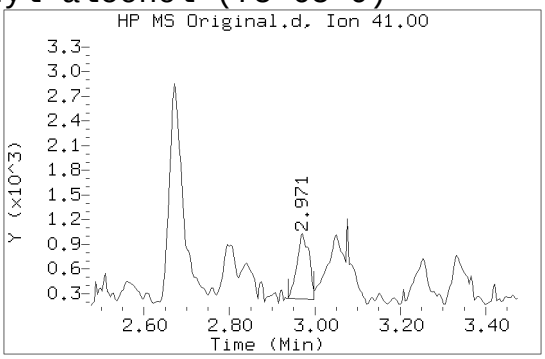
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Inj Date : 31-JUL-2023 11:53
InstruID : VOA9.i
LabSampID : VSTD000.5

Tert-butyl alcohol (75-65-0)

Reason Code:

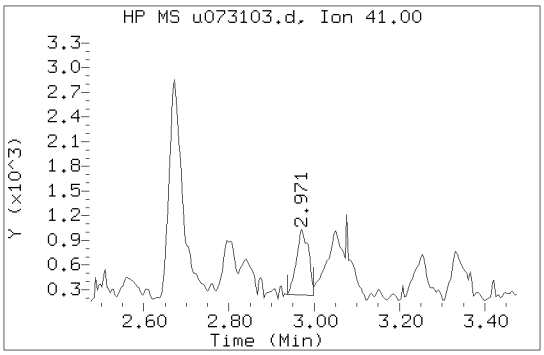
BEFORE

MASS
41
AREA
1590
HEIGHT
798
01-Aug-2023
21:03



AFTER

MASS
41
AREA
1590
HEIGHT
798
01-Aug-2023
21:03

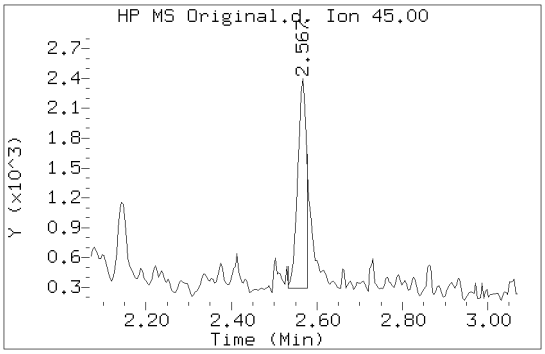


Isopropyl alcohol (67-63-0)

Reason Code:

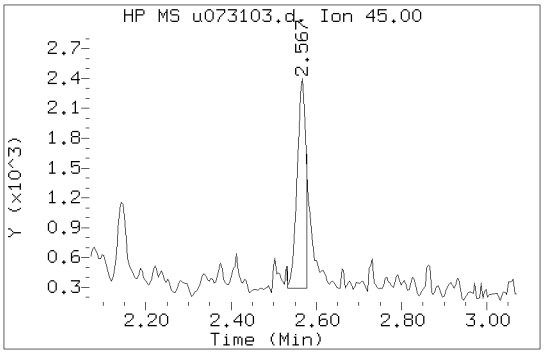
BEFORE

MASS
45
AREA
2977
HEIGHT
2103
01-Aug-2023
21:03



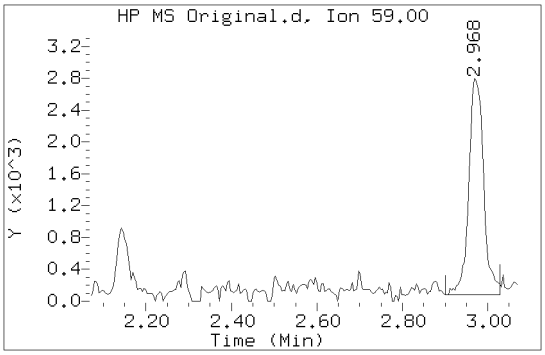
AFTER

MASS
45
AREA
2977
HEIGHT
2103
01-Aug-2023
21:03



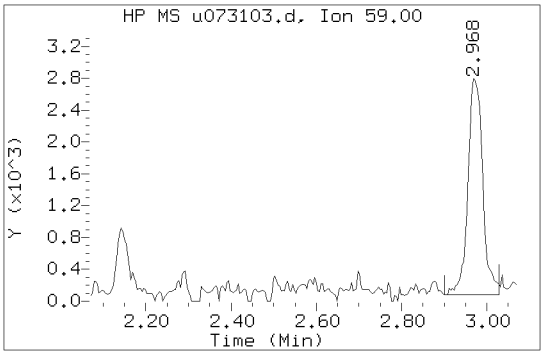
BEFORE

MASS
59
AREA
6564
HEIGHT
2710
01-Aug-2023
21:03



AFTER

MASS
59
AREA
6564
HEIGHT
2710
01-Aug-2023
21:03

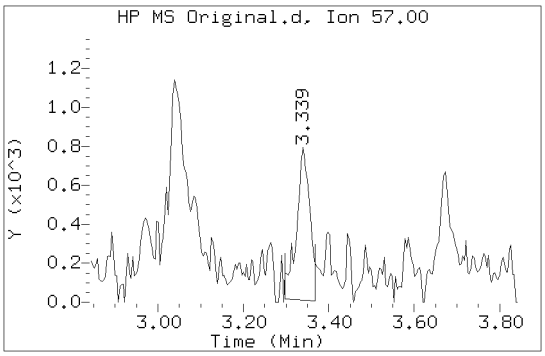


Allyl alcohol (107-18-6)

Reason Code:

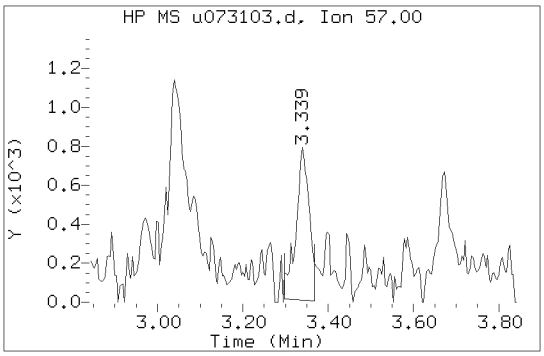
BEFORE

MASS
57
AREA
1755
HEIGHT
784
01-Aug-2023
21:03



AFTER

MASS
57
AREA
1755
HEIGHT
784
01-Aug-2023
21:03

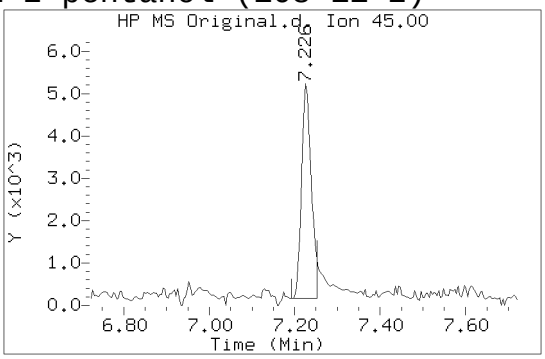


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Inj Date : 31-JUL-2023 11:53
InstruID : VOA9.i
LabSampID : VSTD000.5

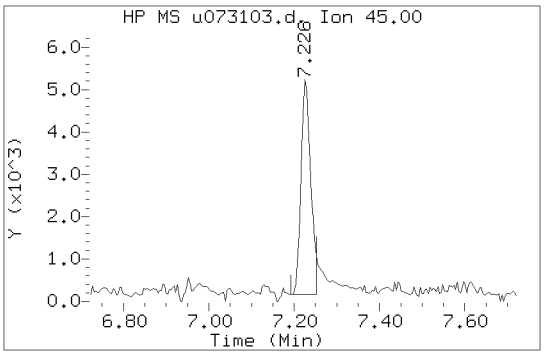
4-Methyl-2-pentanol (108-11-2)

Reason Code:

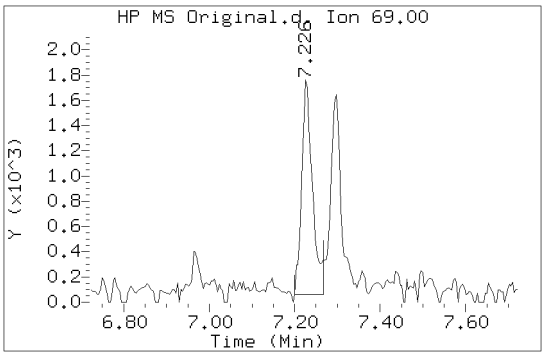
BEFORE
MASS
45
AREA
8154
HEIGHT
5075
01-Aug-2023
21:03



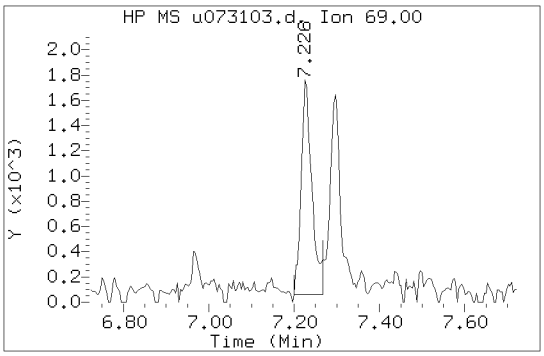
AFTER
MASS
45
AREA
8154
HEIGHT
5075
01-Aug-2023
21:03



BEFORE
MASS
69
AREA
3007
HEIGHT
1702
01-Aug-2023
21:03



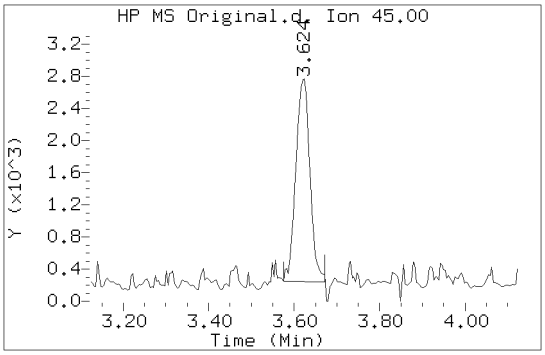
AFTER
MASS
69
AREA
3007
HEIGHT
1702
01-Aug-2023
21:03



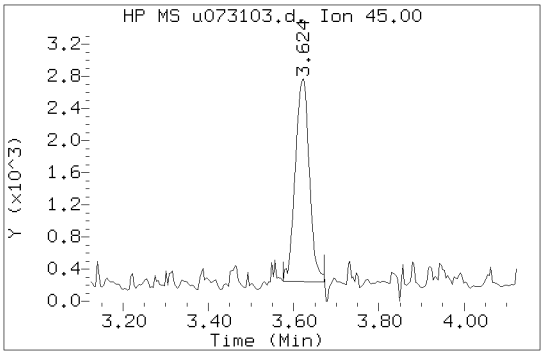
Diisopropyl ether (108-20-3)

Reason Code:

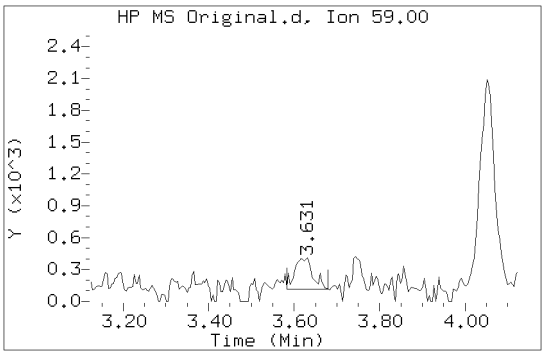
BEFORE
MASS
45
AREA
5880
HEIGHT
2523
01-Aug-2023
21:03



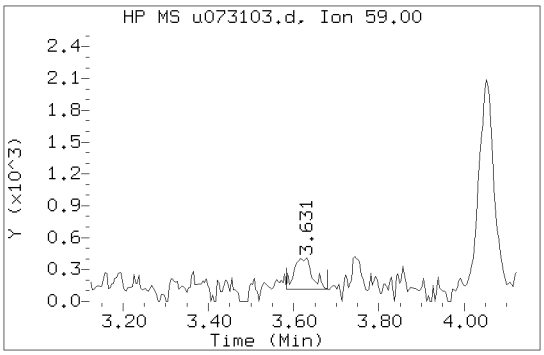
AFTER
MASS
45
AREA
5880
HEIGHT
2523
01-Aug-2023
21:03



BEFORE
MASS
59
AREA
862
HEIGHT
292
01-Aug-2023
21:03



AFTER
MASS
59
AREA
862
HEIGHT
292
01-Aug-2023
21:03

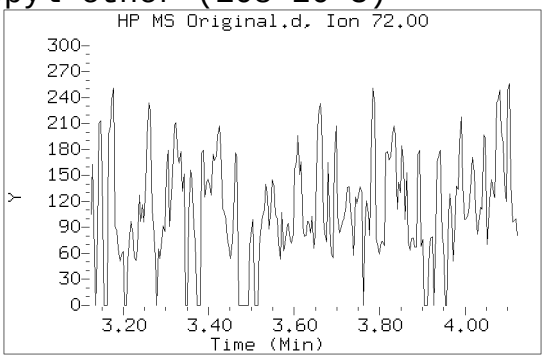


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Inj Date : 31-JUL-2023 11:53
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LabSampID : VSTD000.5

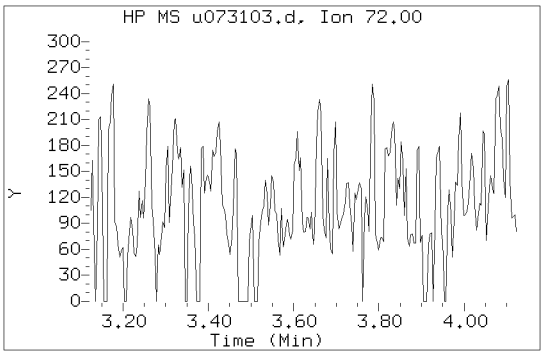
Diisopropyl ether (108-20-3)

Reason Code:

BEFORE
MASS
72
AREA
0
HEIGHT
0
01-Aug-2023
21:03



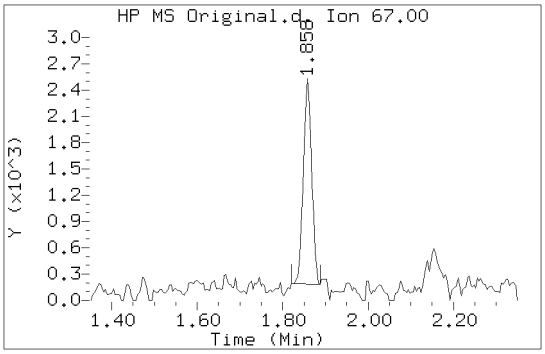
AFTER
MASS
72
AREA
0
HEIGHT
0
01-Aug-2023
21:03



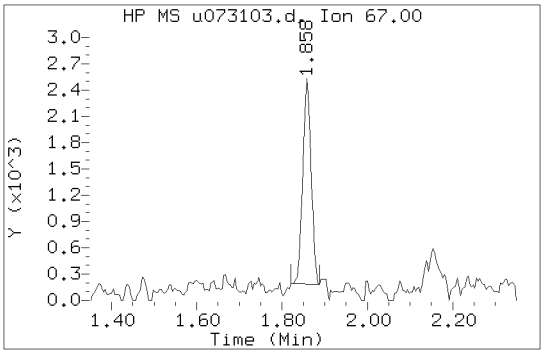
Dichlorofluoromethane (75-43-4)

Reason Code:

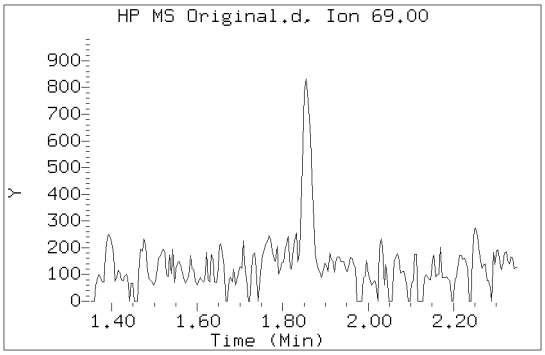
BEFORE
MASS
67
AREA
3290
HEIGHT
2346
01-Aug-2023
21:03



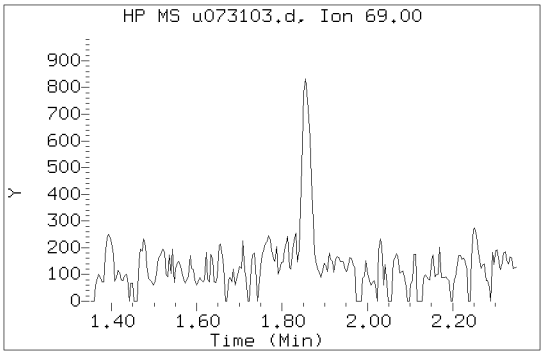
AFTER
MASS
67
AREA
3290
HEIGHT
2346
01-Aug-2023
21:03



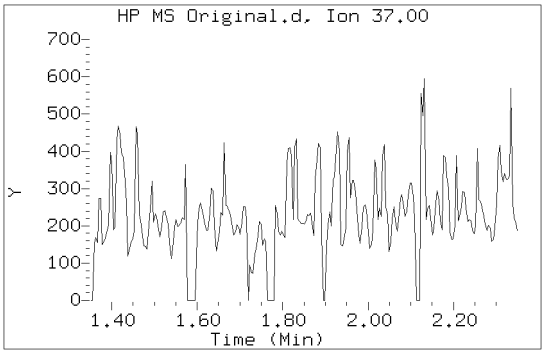
BEFORE
MASS
69
AREA
0
HEIGHT
0
01-Aug-2023
21:03



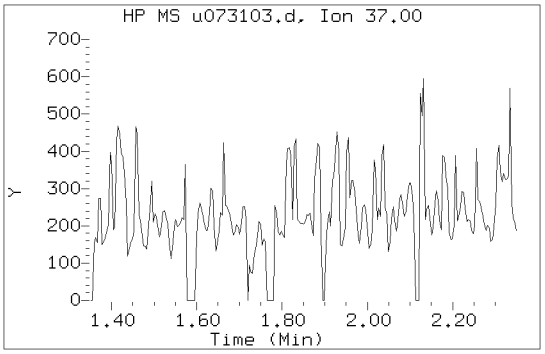
AFTER
MASS
69
AREA
0
HEIGHT
0
01-Aug-2023
21:03



BEFORE
MASS
37
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER
MASS
37
AREA
0
HEIGHT
0
01-Aug-2023
21:03

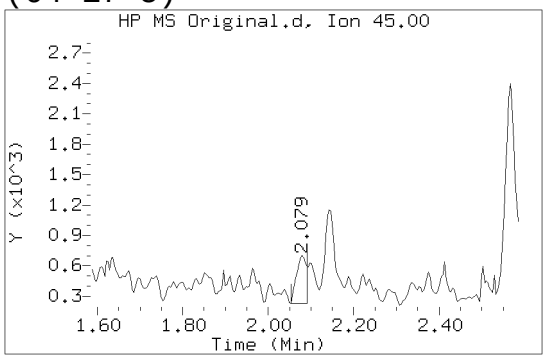


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LabSampID : VSTD000.5

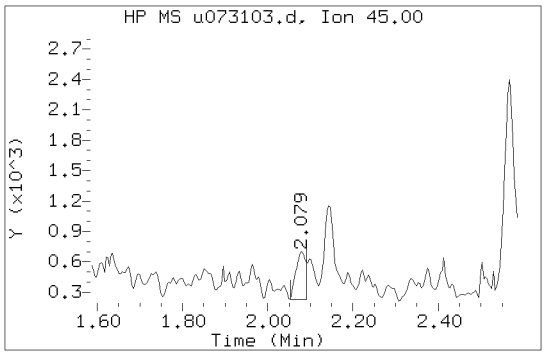
Ethanol (64-17-5)

Reason Code:

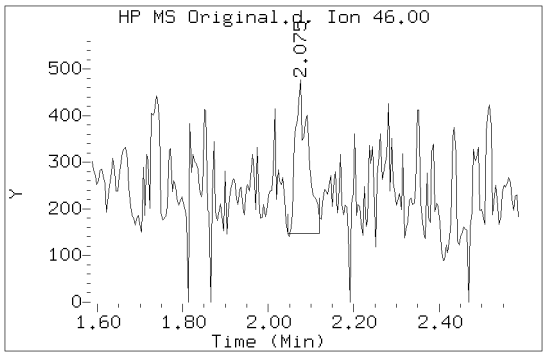
BEFORE
MASS
45
AREA
749
HEIGHT
471
01-Aug-2023
21:03



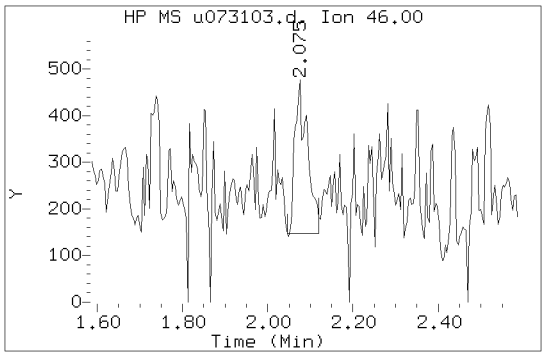
AFTER
MASS
45
AREA
749
HEIGHT
471
01-Aug-2023
21:03



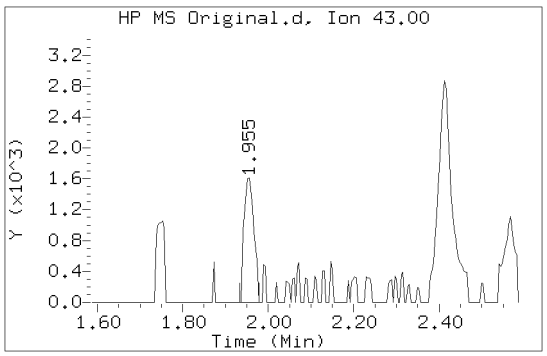
BEFORE
MASS
46
AREA
678
HEIGHT
330
01-Aug-2023
21:03



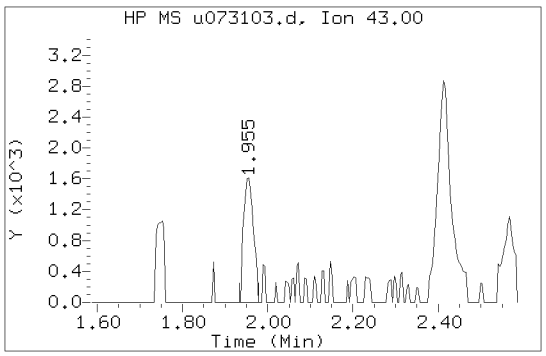
AFTER
MASS
46
AREA
678
HEIGHT
330
01-Aug-2023
21:03



BEFORE
MASS
43
AREA
2584
HEIGHT
1611
01-Aug-2023
21:03



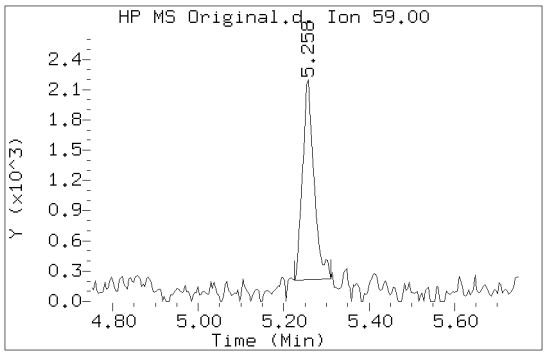
AFTER
MASS
43
AREA
2584
HEIGHT
1611
01-Aug-2023
21:03



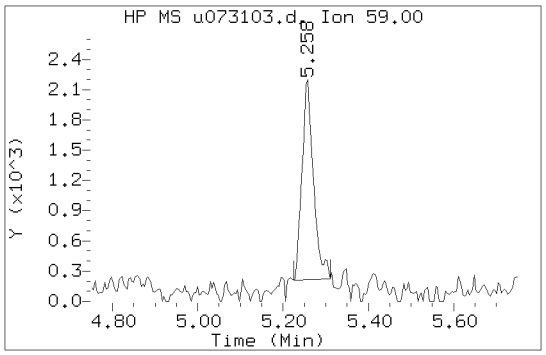
tert-Butyl formate (762-75-4)

Reason Code:

BEFORE
MASS
59
AREA
3754
HEIGHT
1982
01-Aug-2023
21:03



AFTER
MASS
59
AREA
3754
HEIGHT
1982
01-Aug-2023
21:03

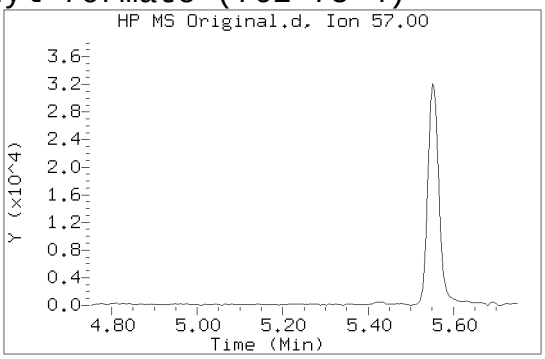


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Inj Date : 31-JUL-2023 11:53
InstruID : VOA9.i
LabSampID : VSTD000.5

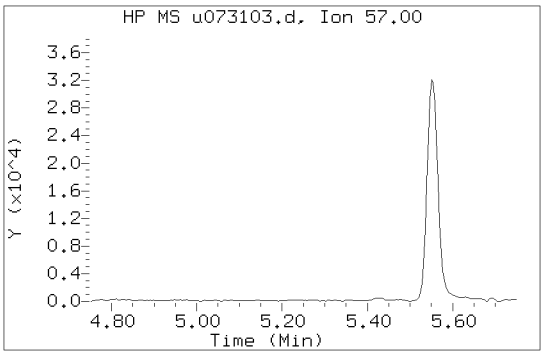
tert-Butyl formate (762-75-4)

Reason Code:

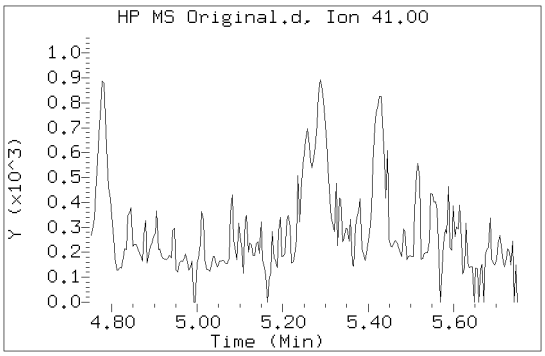
BEFORE
MASS
57
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0
HEIGHT
0
01-Aug-2023
21:03



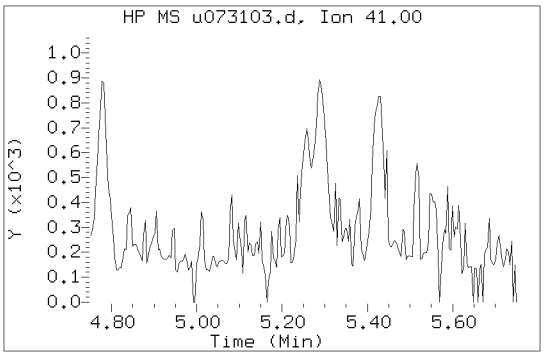
AFTER
MASS
57
AREA
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HEIGHT
0
01-Aug-2023
21:03



BEFORE
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41
AREA
0
HEIGHT
0
01-Aug-2023
21:03



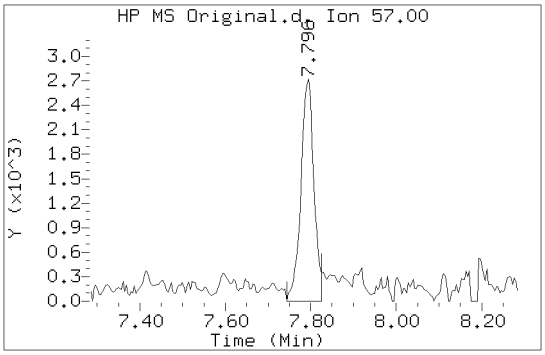
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MASS
41
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HEIGHT
0
01-Aug-2023
21:03



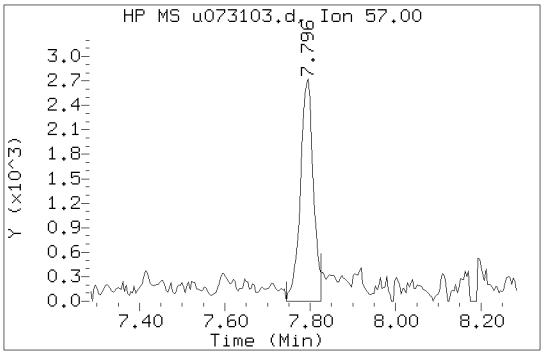
3,3-Dimethyl-1-butanol (624-95-3)

Reason Code:

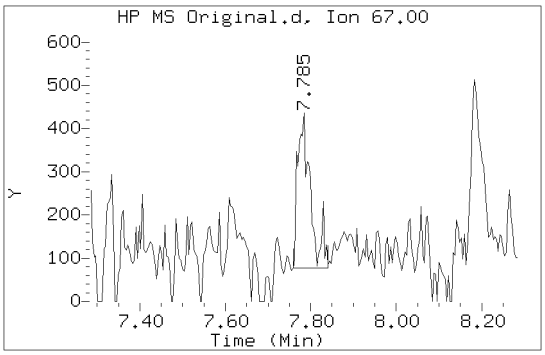
BEFORE
MASS
57
AREA
5813
HEIGHT
2724
01-Aug-2023
21:03



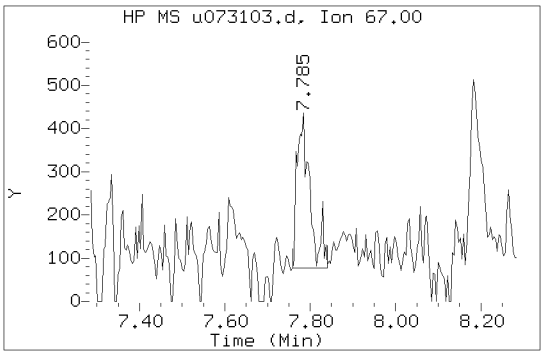
AFTER
MASS
57
AREA
5813
HEIGHT
2724
01-Aug-2023
21:03



BEFORE
MASS
67
AREA
752
HEIGHT
359
01-Aug-2023
21:03



AFTER
MASS
67
AREA
752
HEIGHT
359
01-Aug-2023
21:03



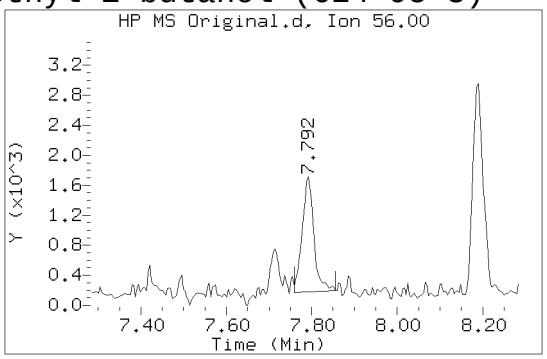
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Inj Date : 31-JUL-2023 11:53
InstruID : VOA9.i
LabSampID : VSTD000.5

3,3-Dimethyl-1-butanol (624-95-3)

Reason Code:

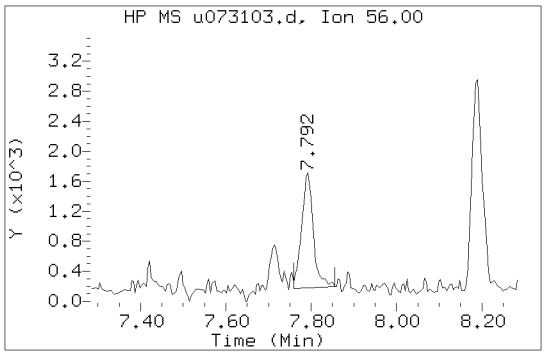
BEFORE

MASS
56
AREA
2954
HEIGHT
1533
01-Aug-2023
21:03



AFTER

MASS
56
AREA
2954
HEIGHT
1533
01-Aug-2023
21:03

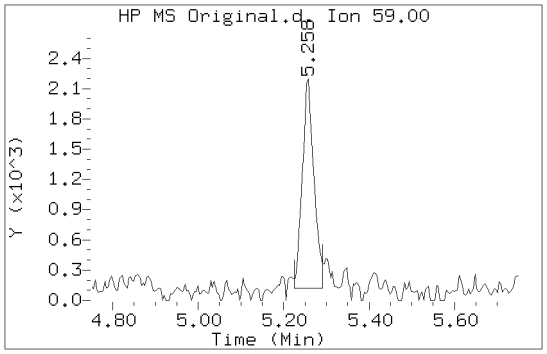


tert-Amyl alcohol (75-85-4)

Reason Code:

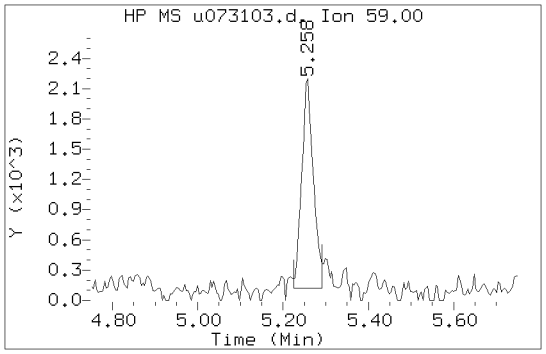
BEFORE

MASS
59
AREA
4014
HEIGHT
2076
01-Aug-2023
21:03



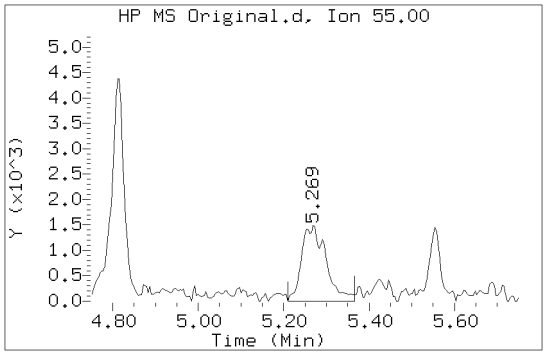
AFTER

MASS
59
AREA
4014
HEIGHT
2076
01-Aug-2023
21:03



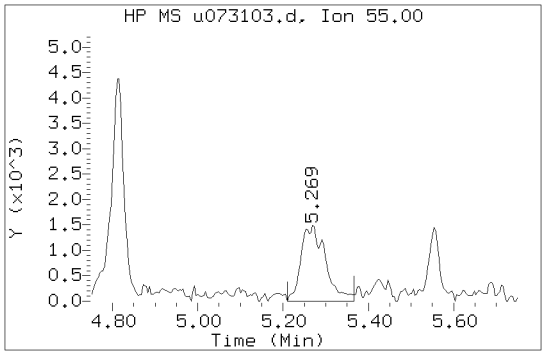
BEFORE

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55
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1494
01-Aug-2023
21:03



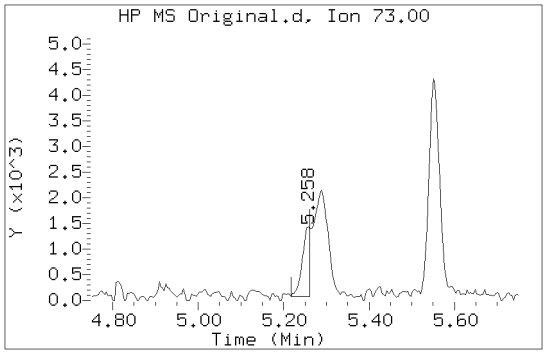
AFTER

MASS
55
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HEIGHT
1494
01-Aug-2023
21:03



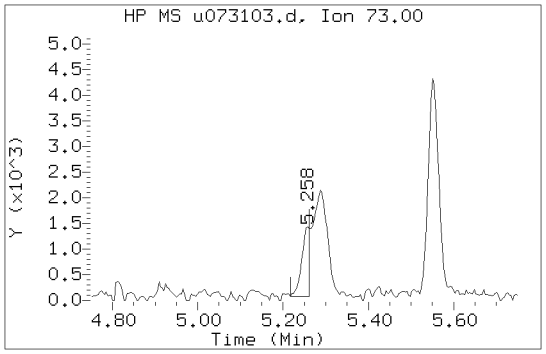
BEFORE

MASS
73
AREA
1798
HEIGHT
1371
01-Aug-2023
21:03



AFTER

MASS
73
AREA
1798
HEIGHT
1371
01-Aug-2023
21:03

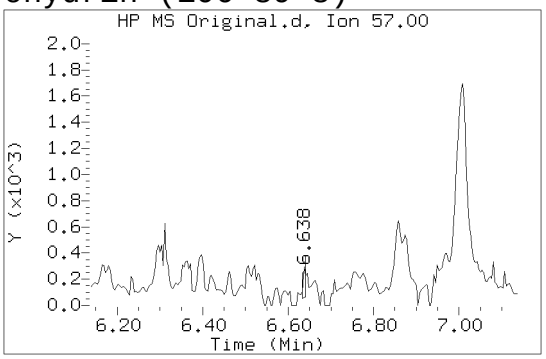


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InstruID : VOA9.i
LabSampID : VSTD000.5

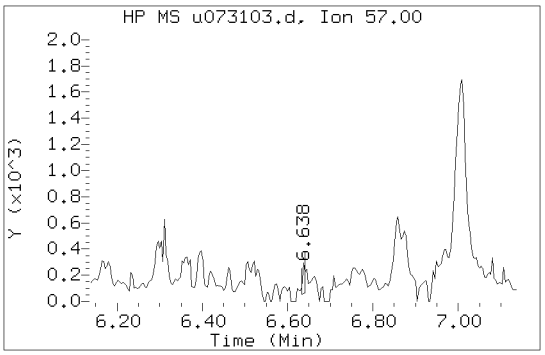
Epichlorohydrin (106-89-8)

Reason Code:

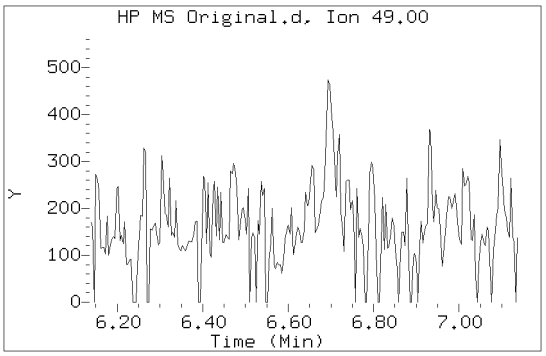
BEFORE
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57
AREA
99
HEIGHT
233
01-Aug-2023
21:03



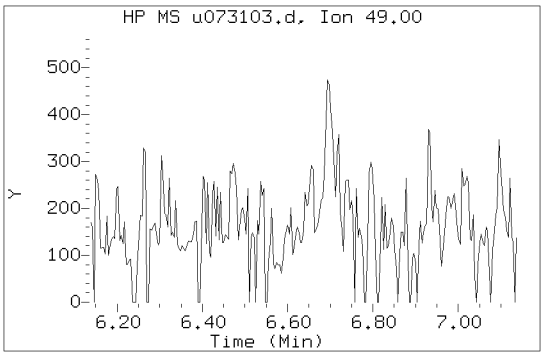
AFTER
MASS
57
AREA
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HEIGHT
233
01-Aug-2023
21:03



BEFORE
MASS
49
AREA
0
HEIGHT
0
01-Aug-2023
21:03



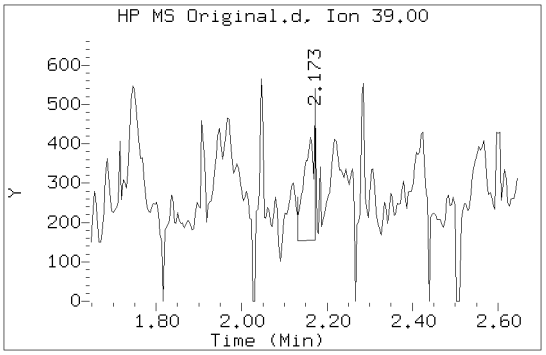
AFTER
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49
AREA
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HEIGHT
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01-Aug-2023
21:03



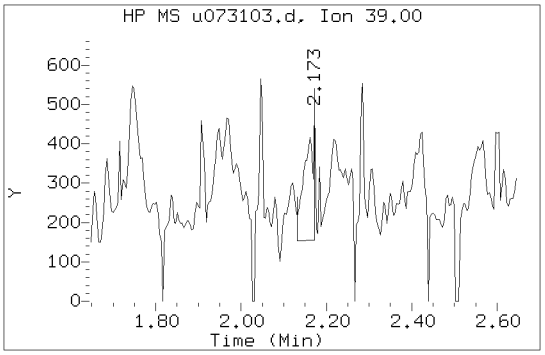
Isoprene (78-79-5)

Reason Code:

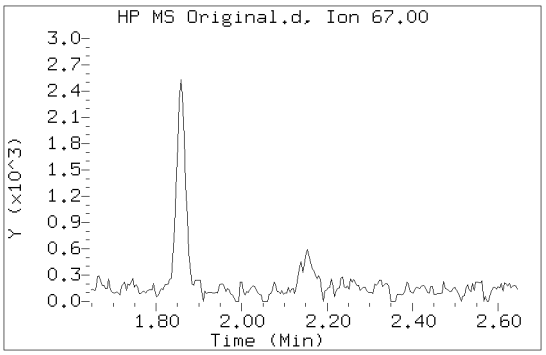
BEFORE
MASS
39
AREA
491
HEIGHT
336
01-Aug-2023
21:03



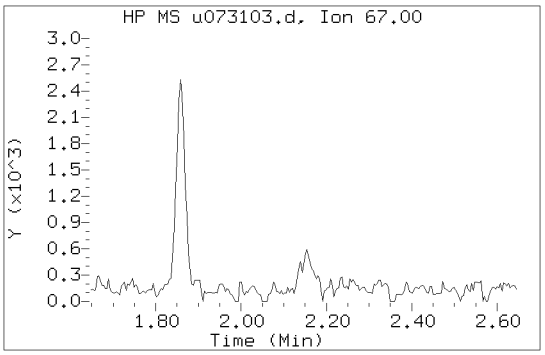
AFTER
MASS
39
AREA
491
HEIGHT
336
01-Aug-2023
21:03



BEFORE
MASS
67
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER
MASS
67
AREA
0
HEIGHT
0
01-Aug-2023
21:03

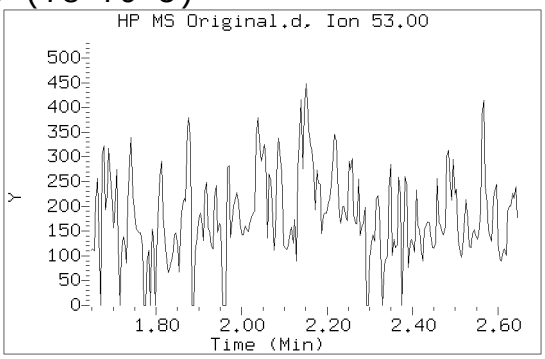


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InstruID : VOA9.i
LabSampID : VSTD000.5

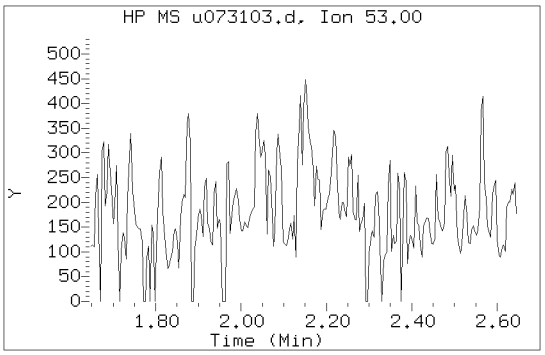
Isoprene (78-79-5)

Reason Code:

BEFORE
MASS
53
AREA
0
HEIGHT
0
01-Aug-2023
21:03



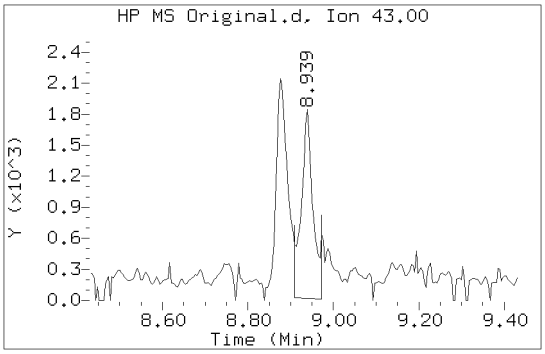
AFTER
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53
AREA
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HEIGHT
0
01-Aug-2023
21:03



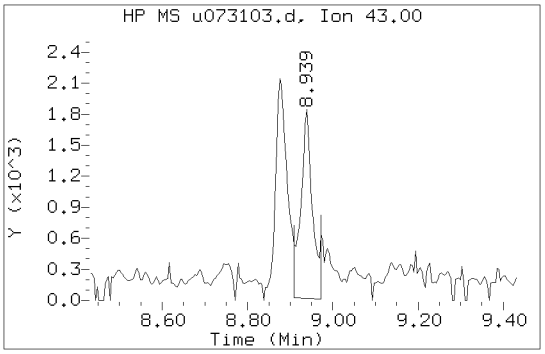
n-Amyl acetate (628-63-7)

Reason Code:

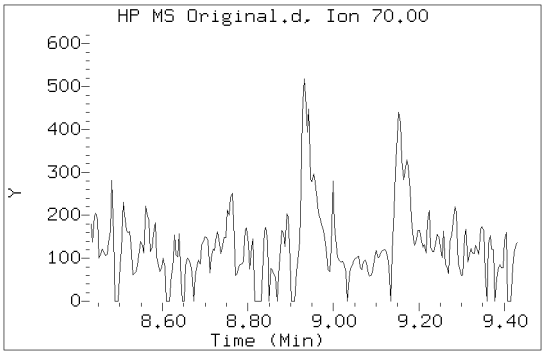
BEFORE
MASS
43
AREA
3597
HEIGHT
1824
01-Aug-2023
21:03



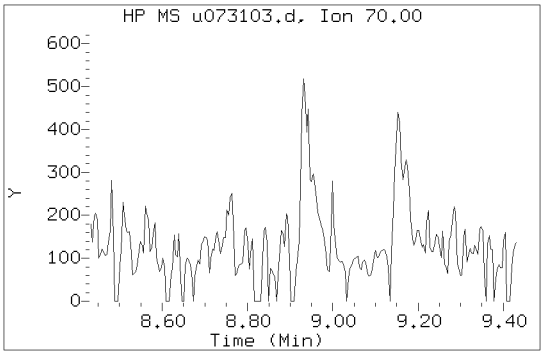
AFTER
MASS
43
AREA
3597
HEIGHT
1824
01-Aug-2023
21:03



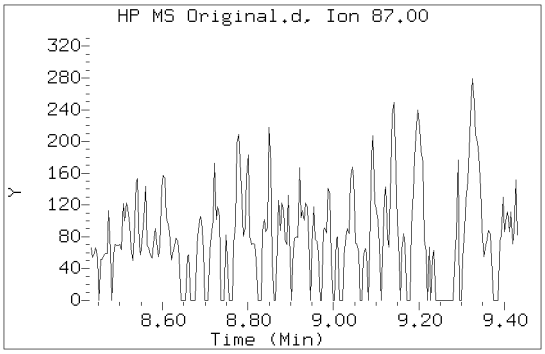
BEFORE
MASS
70
AREA
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HEIGHT
0
01-Aug-2023
21:03



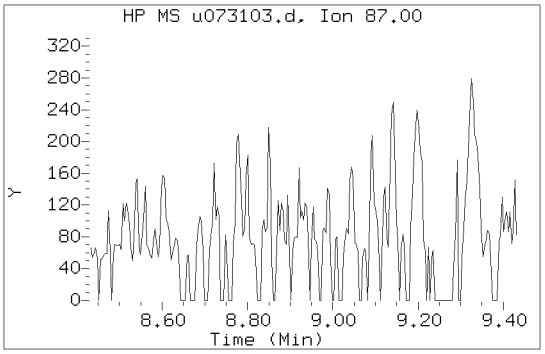
AFTER
MASS
70
AREA
0
HEIGHT
0
01-Aug-2023
21:03



BEFORE
MASS
87
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER
MASS
87
AREA
0
HEIGHT
0
01-Aug-2023
21:03

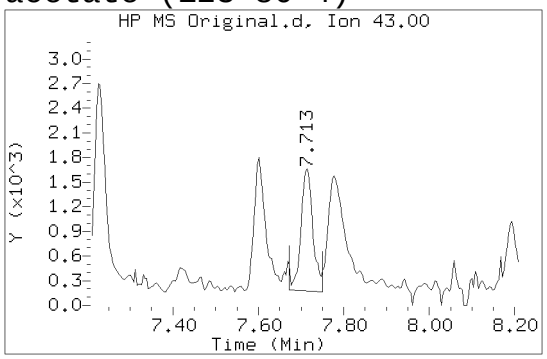


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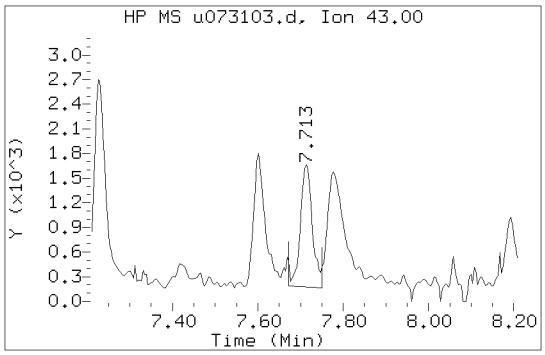
n-Butyl acetate (123-86-4)

Reason Code:

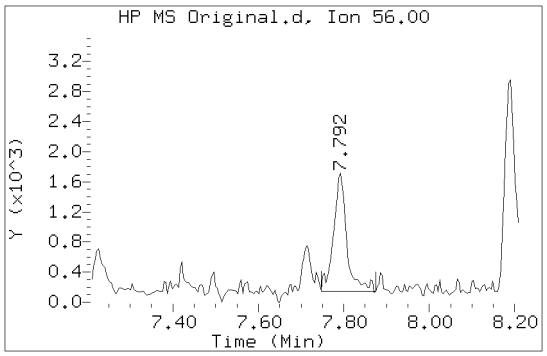
BEFORE
MASS
43
AREA
3058
HEIGHT
1489
01-Aug-2023
21:03



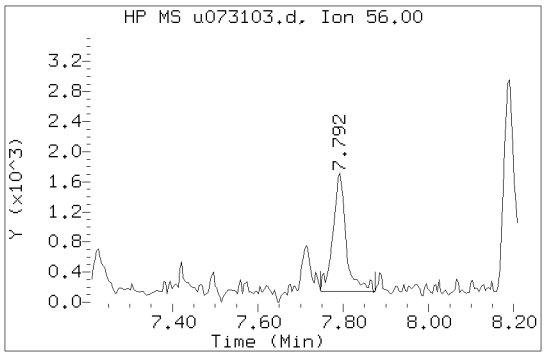
AFTER
MASS
43
AREA
3058
HEIGHT
1489
01-Aug-2023
21:03



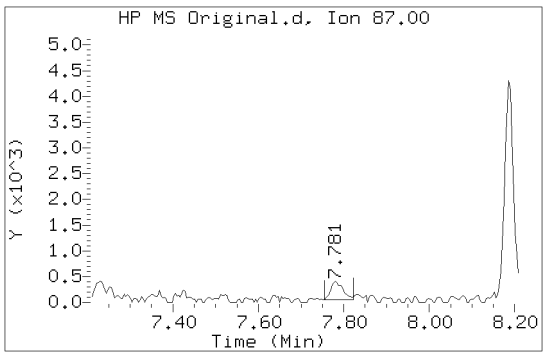
BEFORE
MASS
56
AREA
3400
HEIGHT
1573
01-Aug-2023
21:03



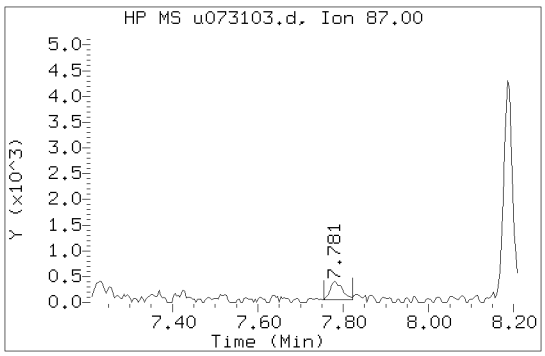
AFTER
MASS
56
AREA
3400
HEIGHT
1573
01-Aug-2023
21:03



BEFORE
MASS
87
AREA
687
HEIGHT
357
01-Aug-2023
21:03



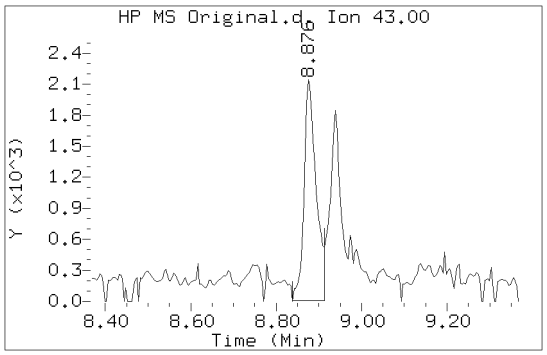
AFTER
MASS
87
AREA
687
HEIGHT
357
01-Aug-2023
21:03



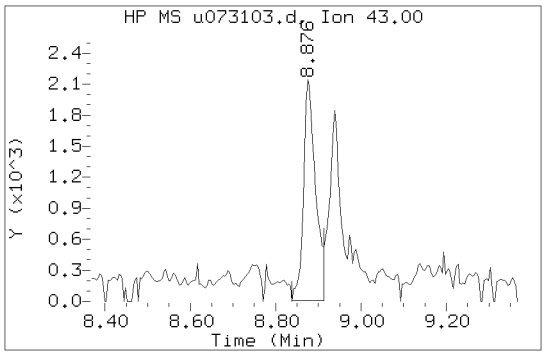
Methyl Amyl Ketone (110-43-0)

Reason Code:

BEFORE
MASS
43
AREA
4281
HEIGHT
2137
01-Aug-2023
21:03



AFTER
MASS
43
AREA
4281
HEIGHT
2137
01-Aug-2023
21:03

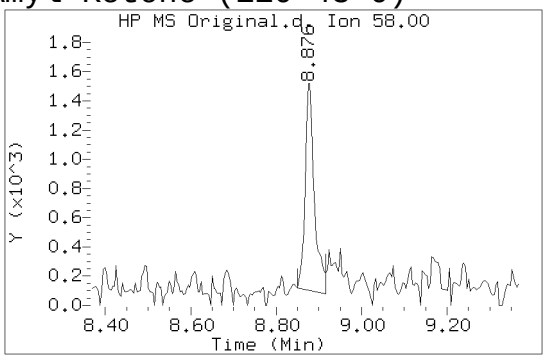


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InstruID : VOA9.i
LabSampID : VSTD000.5

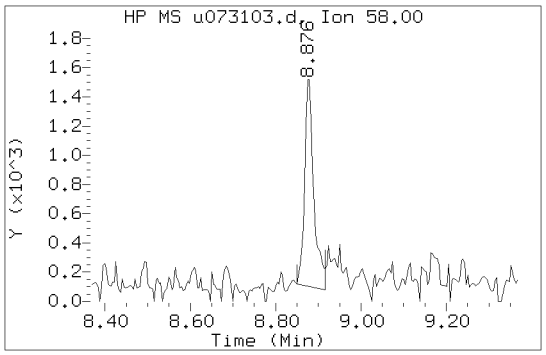
Methyl Amyl Ketone (110-43-0)

Reason Code:

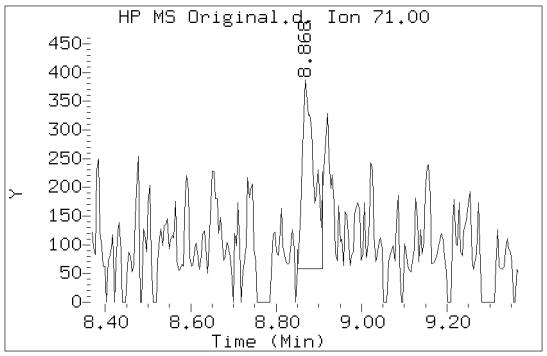
BEFORE
MASS
58
AREA
2159
HEIGHT
1413
01-Aug-2023
21:03



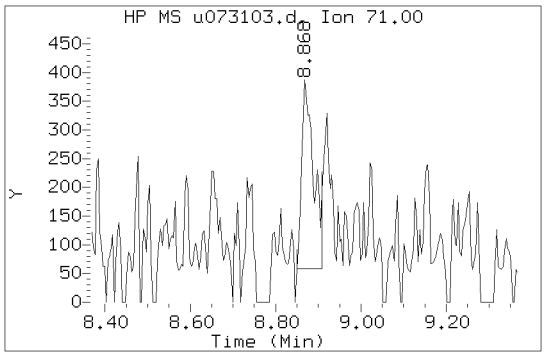
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01-Aug-2023
21:03



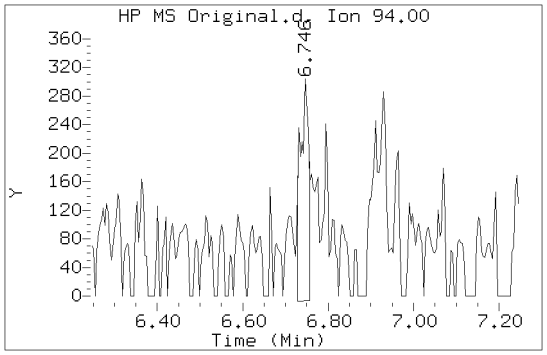
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01-Aug-2023
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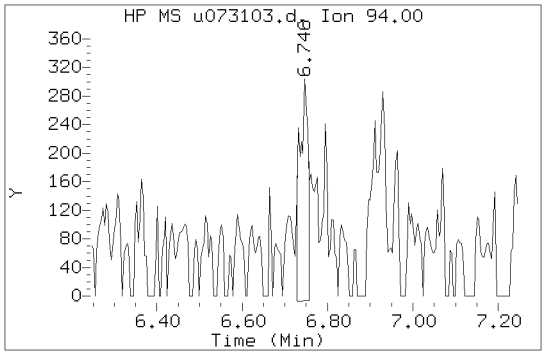
Dimethyl Disulfide (624-92-0)

Reason Code:

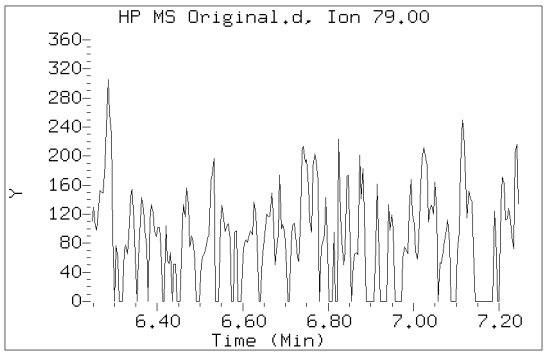
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01-Aug-2023
21:03



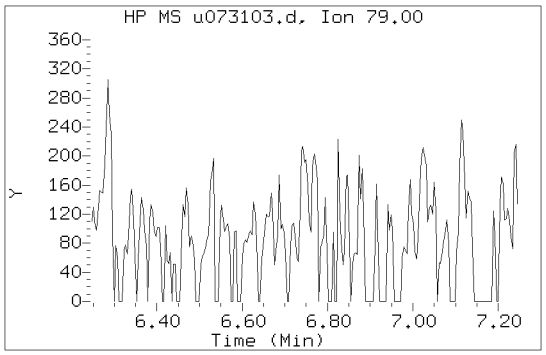
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01-Aug-2023
21:03



BEFORE
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AREA
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01-Aug-2023
21:03



AFTER
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01-Aug-2023
21:03

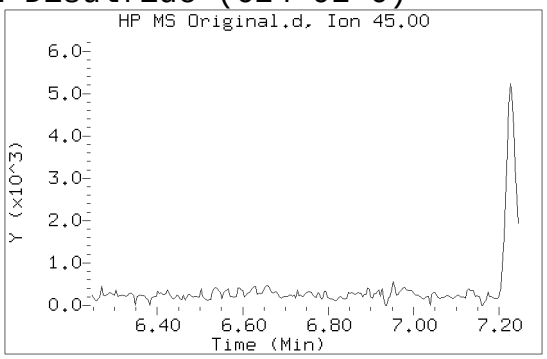


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InstruID : VOA9.i
LabSampID : VSTD000.5

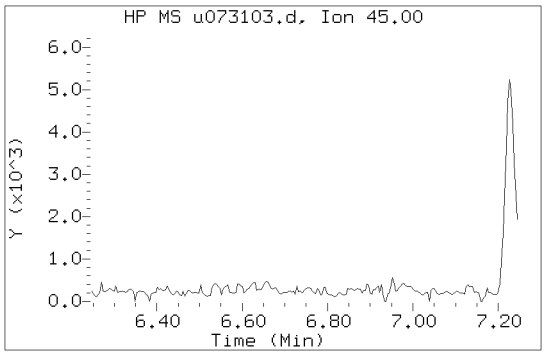
Dimethyl Disulfide (624-92-0)

Reason Code:

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01-Aug-2023
21:03



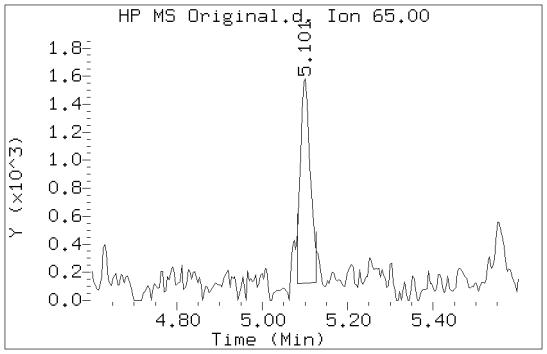
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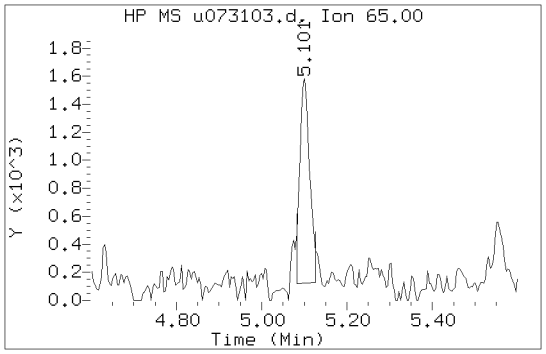
1,2-Dichloroethane-d4 (17060-07-0)

Reason Code:

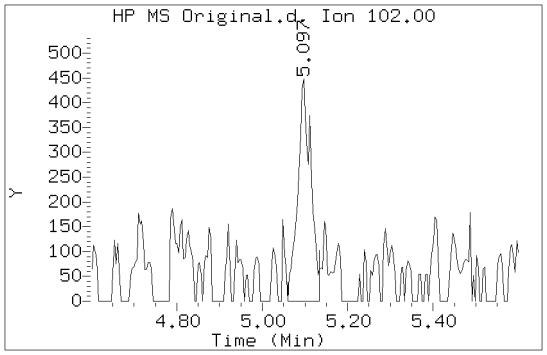
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01-Aug-2023
21:03



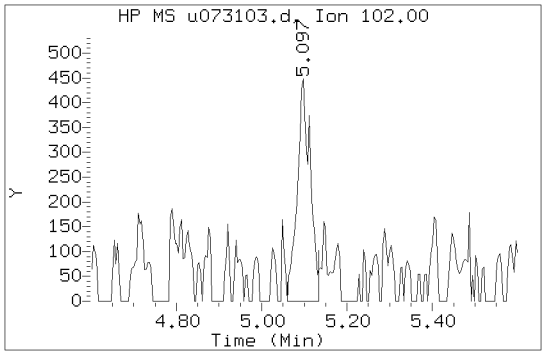
AFTER
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AREA
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HEIGHT
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01-Aug-2023
21:03



BEFORE
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AREA
961
HEIGHT
448
01-Aug-2023
21:03



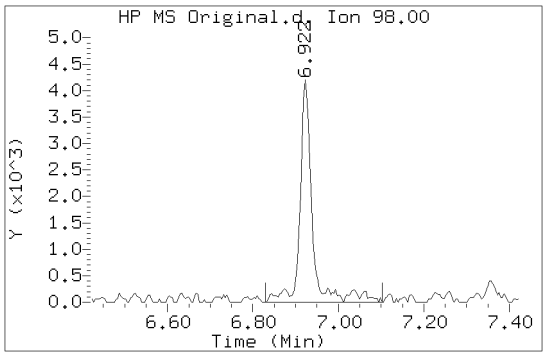
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01-Aug-2023
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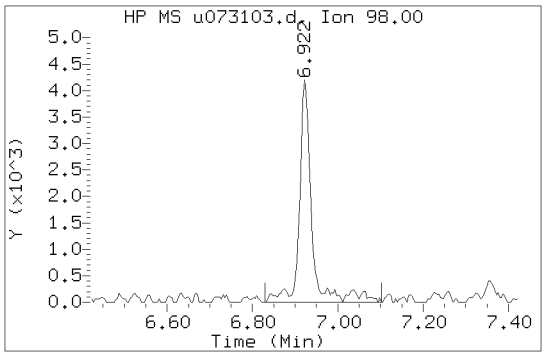
Toluene-d8 (2037-26-5)

Reason Code:

BEFORE
MASS
98
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8612
HEIGHT
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01-Aug-2023
21:03



AFTER
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AREA
8612
HEIGHT
4202
01-Aug-2023
21:03

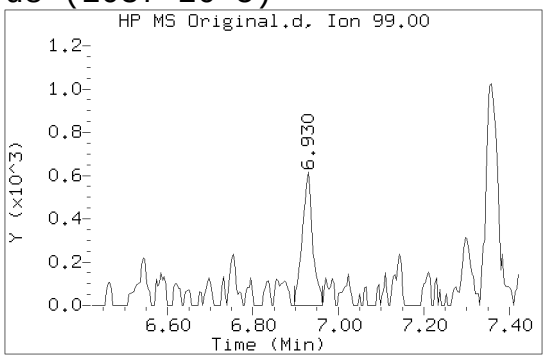


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Inj Date : 31-JUL-2023 11:53
InstruID : VOA9.i
LabSampID : VSTD000.5

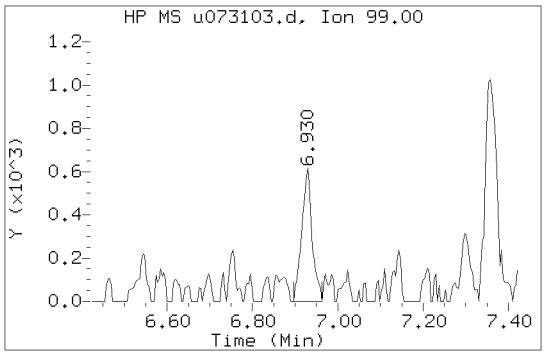
Toluene-d8 (2037-26-5)

Reason Code:

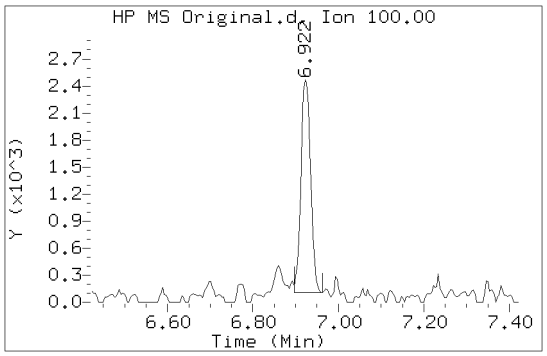
BEFORE
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AREA
1047
HEIGHT
617
01-Aug-2023
21:03



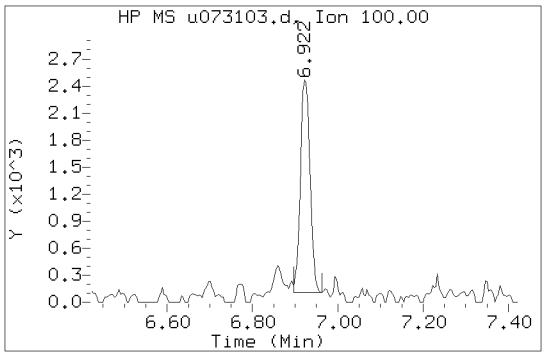
AFTER
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HEIGHT
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01-Aug-2023
21:03



BEFORE
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AREA
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HEIGHT
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01-Aug-2023
21:03



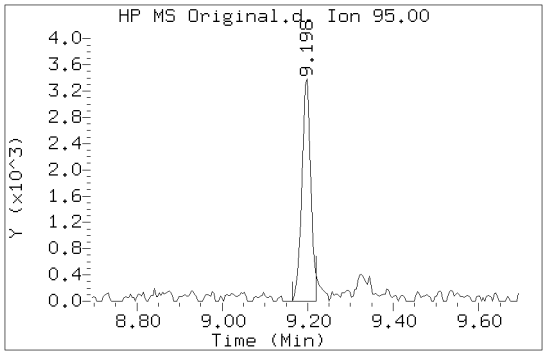
AFTER
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01-Aug-2023
21:03



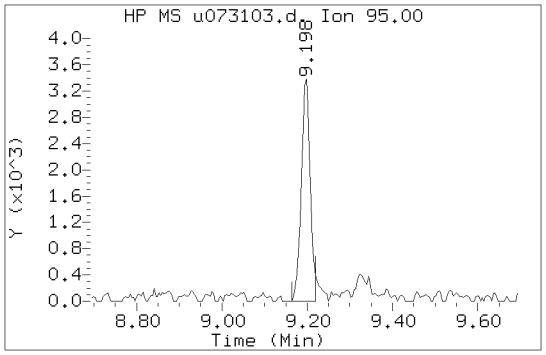
4-Bromofluorobenzene (460-00-4)

Reason Code:

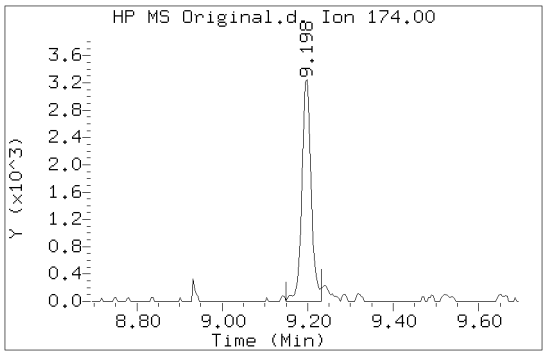
BEFORE
MASS
95
AREA
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HEIGHT
3385
01-Aug-2023
21:03



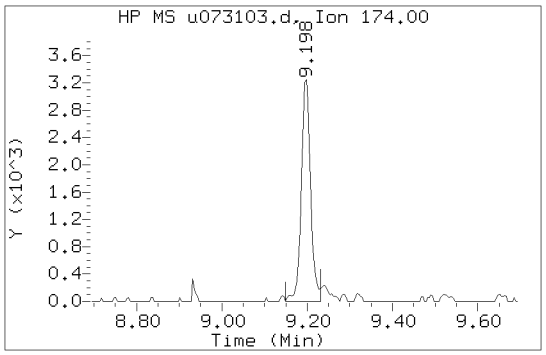
AFTER
MASS
95
AREA
5057
HEIGHT
3385
01-Aug-2023
21:03



BEFORE
MASS
174
AREA
5059
HEIGHT
3246
01-Aug-2023
21:03



AFTER
MASS
174
AREA
5059
HEIGHT
3246
01-Aug-2023
21:03



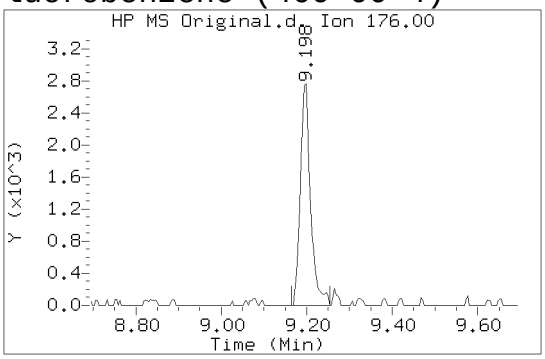
Data File : \\nahstws005\target\chem\voa9.i\u230731.b\u073103.d
Inj Date : 31-JUL-2023 11:53
InstruID : VOA9.i
LabSampID : VSTD000.5

4-Bromofluorobenzene (460-00-4)

Reason Code:

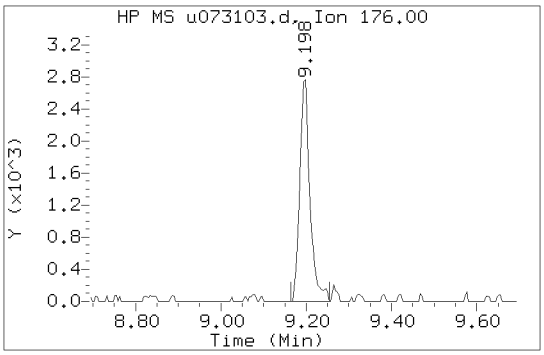
BEFORE

MASS
176
AREA
4704
HEIGHT
2764
01-Aug-2023
21:03



AFTER

MASS
176
AREA
4704
HEIGHT
2764
01-Aug-2023
21:03



Data File: \\NAHSTWS005\Target\chem\voa9.i\U230731.b\U073104.D Page 1
Report Date: 07-Aug-2023 11:14

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230731.b\U073104.D
Lab Smp Id: VSTD001 Client Smp ID: VSTD001
Inj Date : 31-JUL-2023 12:37
Operator : PC Inst ID: VOA9.i
Smp Info : VSTD001;VSTD001;1;3;
Misc Info : V9;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa9.i\U230731.b\8260C.m
Meth Date : 07-Aug-2023 11:14 VOA9.i Quant Type: ISTD
Cal Date : 31-JUL-2023 11:53 Cal File: U073103.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 08260V9.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
* 1	Pentafluorobenzene	168	4.815	4.815	(1.000)	481982	50.0000	
2	Dichlorodifluoromethane	85	1.160	1.160	(0.241)	5086	1.00000	2.33
3	Chloromethane	50	1.295	1.295	(0.269)	7212	1.00000	0.93(M)
5	Vinyl Chloride	62	1.374	1.374	(0.285)	4568	1.00000	0.96(M)
6	Bromomethane	94	1.621	1.621	(0.337)	3816	1.00000	(M)
7	Chloroethane	64	1.696	1.696	(0.352)	3276	1.00000	1.09(M)
8	Trichlorofluoromethane	101	1.891	1.891	(0.393)	6084	1.00000	1.03
9	Acrolein	56	1.745	1.745	(0.362)	644	2.00000	2.08(M)
10	Acetone	43	2.412	2.412	(0.501)	8968	2.00000	
11	1,1-Dichloroethene	96	2.326	2.326	(0.483)	3226	1.00000	1.01
15	Iodomethane	142	2.465	2.465	(0.512)	4529	2.00000	4.92
16	Acrylonitrile	53	3.068	3.068	(0.637)	3315	2.00000	2.18
17	Methylene Chloride	84	2.795	2.795	(0.580)	5208	1.00000	1.16(M)
18	Methyl tert-butyl ether	73	3.080	3.080	(0.640)	9734	1.00000	0.99
19	Carbon Disulfide	76	2.517	2.517	(0.523)	18852	2.00000	2.03
20	trans-1,2-Dichloroethene	96	3.053	3.053	(0.634)	3954	1.00000	1.11(M)
21	Vinyl Acetate	43	3.608	3.608	(0.749)	20488	2.00000	2.01
22	1,1-Dichloroethane	63	3.511	3.511	(0.729)	7192	1.00000	1.10
24	2-Butanone	43	4.272	4.272	(0.887)	4157	2.00000	2.19(M)
26	2,2-Dichloropropane	77	4.178	4.178	(0.868)	4894	1.00000	1.09

27 cis-1,2-Dichloroethene	96	4.197	4.197 (0.872)	3710	1.00000	0.93
28 Chloroform	83	4.568	4.568 (0.949)	7814	1.00000	1.03

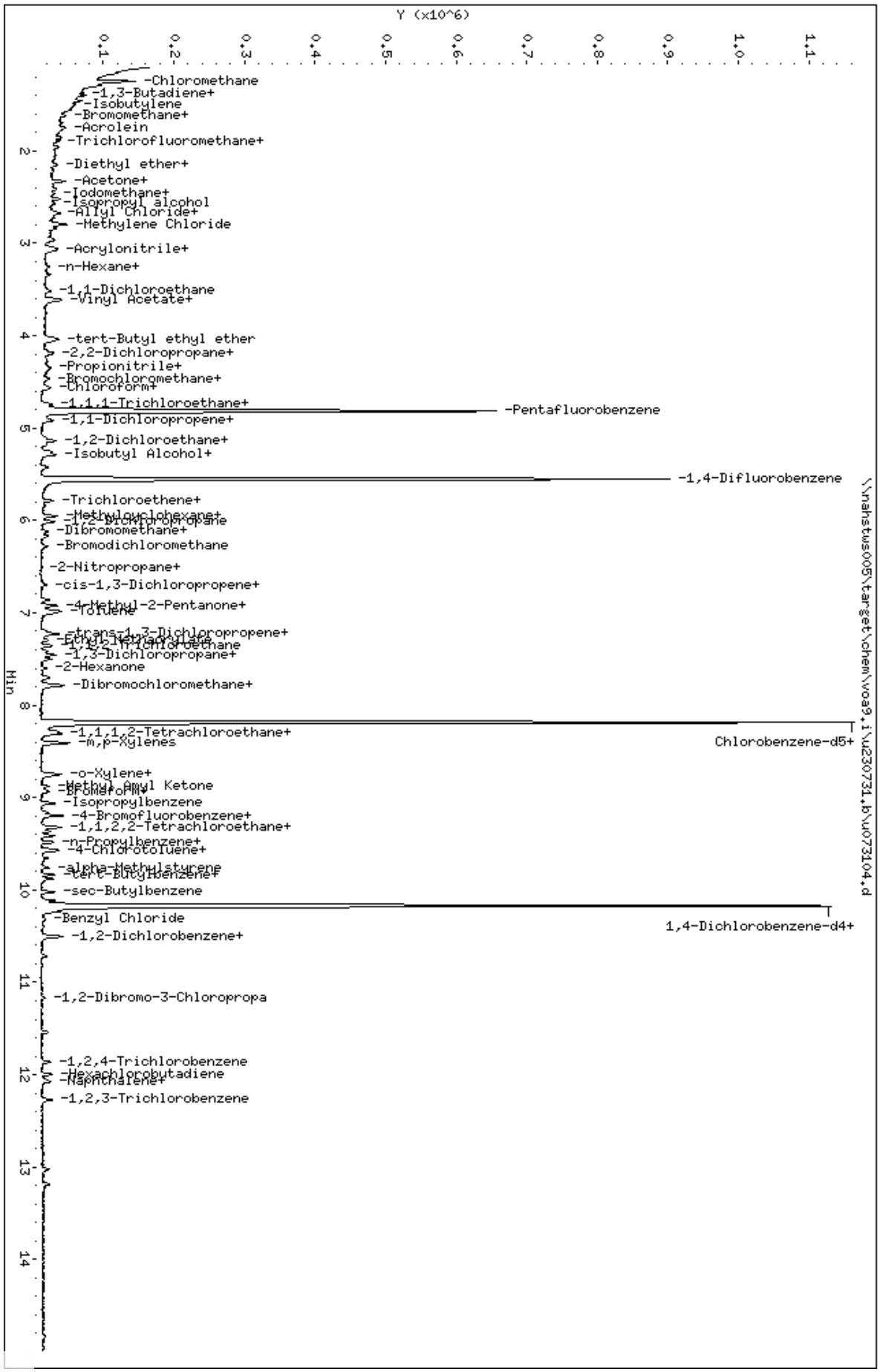
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	29 Bromochloromethane	128	4.470	4.470	(0.928)	2534	1.00000	1.07
$	30 Dibromofluoromethane	113	4.748	4.748	(0.986)	4835	1.00000	0.28(M)
	31 1,1,1-Trichloroethane	97	4.740	4.740	(0.984)	6007	1.00000	1.02
	32 1,1-Dichloropropene	75	4.920	4.920	(0.886)	5376	1.00000	1.03
	33 1,2-Dichloroethane	62	5.179	5.179	(0.933)	5883	1.00000	0.97
	34 Carbon Tetrachloride	117	4.905	4.905	(0.883)	4063	1.00000	0.87(M)
$	35 1,2-Dichloroethane-d4	65	5.100	5.100	(1.059)	4638	1.00000	(M)
*	36 1,4-Difluorobenzene	114	5.554	5.554	(1.000)	698381	50.0000	
	37 Benzene	78	5.138	5.138	(0.925)	17734	1.00000	1.03
	38 Trichloroethene	130	5.786	5.786	(1.042)	4551	1.00000	0.94
	39 Bromodichloromethane	83	6.277	6.277	(1.130)	5449	1.00000	0.99(M)
	41 2-Chloroethylvinyl ether	63	6.570	6.570	(1.183)	186	2.00000	1.27(M)
	42 1,2-Dichloropropane	63	6.011	6.011	(1.082)	4459	1.00000	0.97
	44 Dibromomethane	93	6.120	6.120	(1.102)	2988	1.00000	1.01
	45 4-Methyl-2-Pentanone	43	6.862	6.862	(0.838)	9432	2.00000	2.00
	46 cis-1,3-Dichloropropene	75	6.693	6.693	(1.205)	4923	1.00000	2.87
*	47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	632152	50.0000	
$	48 Toluene-d8	98	6.922	6.922	(0.846)	16097	1.00000	1.09(M)
	50 Toluene	91	6.982	6.982	(0.853)	15432	1.00000	0.89
	51 trans-1,3-Dichloropropene	75	7.199	7.199	(1.296)	4497	1.00000	0.85(M)
	52 2-Hexanone	43	7.597	7.597	(0.928)	5652	2.00000	1.81
	53 1,1,2-Trichloroethane	83	7.357	7.357	(0.899)	4495	1.00000	1.22
	54 1,3-Dichloropropane	76	7.499	7.499	(0.916)	7484	1.00000	0.99
	55 Dibromochloromethane	129	7.694	7.694	(0.940)	4226	1.00000	0.93
	56 Tetrachloroethene	164	7.458	7.458	(0.911)	4459	1.00000	1.06
	57 1,2-Dibromoethane	107	7.784	7.784	(0.951)	4540	1.00000	1.02
	58 1-Chlorohexane	55	8.193	8.193	(1.475)	3774	1.00000	1.03(M)
	59 Chlorobenzene	112	8.212	8.212	(1.003)	12525	1.00000	1.02
	60 1,1,1,2-Tetrachloroethane	131	8.287	8.287	(1.012)	4248	1.00000	0.95
	61 Ethylbenzene	106	8.309	8.309	(1.015)	4942	1.00000	0.89
	62 m,p-Xylenes	106	8.410	8.410	(1.027)	11533	2.00000	1.78
	63 o-Xylene	106	8.748	8.748	(1.069)	5188	1.00000	0.81
	64 Styrene	104	8.763	8.763	(1.071)	7936	1.00000	0.80
	66 Bromoform	173	8.920	8.920	(1.090)	2750	1.00000	0.87(T)
	67 Isopropylbenzene	105	9.062	9.062	(1.107)	13094	1.00000	0.85(M)
	68 1,1,2,2-Tetrachloroethane	83	9.329	9.329	(0.917)	6620	1.00000	1.10
$	69 4-Bromofluorobenzene	95	9.194	9.194	(1.123)	8707	1.00000	0.17
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	310102	50.0000	
	71 1,2,3-Trichloropropane	75	9.362	9.362	(0.920)	5273	1.00000	1.01
	73 n-Propylbenzene	91	9.411	9.411	(0.925)	13048	1.00000	2.36
	74 Bromobenzene	156	9.317	9.317	(0.916)	5491	1.00000	1.07
	75 1,3,5-Trimethylbenzene	105	9.561	9.561	(0.940)	9434	1.00000	0.87(M)
	76 2-Chlorotoluene	91	9.482	9.482	(0.932)	10416	1.00000	0.95
	77 4-Chlorotoluene	91	9.580	9.580	(0.942)	10861	1.00000	0.88
	78 tert-Butylbenzene	119	9.835	9.835	(0.967)	8179	1.00000	0.79
	79 1,2,4-Trimethylbenzene	105	9.880	9.880	(0.971)	9334	1.00000	0.85
	81 sec-Butylbenzene	105	10.022	10.022	(0.985)	11030	1.00000	0.39(M)
	82 p-Isopropyltoluene	119	10.146	10.146	(0.997)	9596	1.00000	0.38(M)
	83 1,3-Dichlorobenzene	146	10.116	10.116	(0.994)	8349	1.00000	0.97
	84 1,4-Dichlorobenzene	146	10.191	10.191	(1.002)	10783	1.00000	1.13
	87 n-Butylbenzene	91	10.498	10.498	(1.032)	8159	1.00000	3.13(M)
	88 1,2-Dichlorobenzene	146	10.506	10.506	(1.033)	9516	1.00000	1.08

89	1,2-Dibromo-3-Chloropropane	155	11.169	11.169 (1.098)	937	1.00000	1.08(M)
90	1,2,4-Trichlorobenzene	180	11.863	11.863 (1.166)	4848	1.00000	0.89

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	91 Hexachlorobutadiene	225	11.998	11.998	(1.179)	2531	1.00000	0.14(M)
	92 Naphthalene	128	12.073	12.073	(1.187)	11725	1.00000	2.38
	93 1,2,3-Trichlorobenzene	180	12.275	12.275	(1.207)	4718	1.00000	0.85
M	94 1,2-Dichloroethylene (total)	96				7664	2.00000	
M	95 Xylenes (total)	106				16721	3.00000	
	135 1,4-Dioxane	88	6.180	6.180	(1.283)	1547	20.0000	22.38(M)
	141 Cyclohexane	56	4.778	4.778	(0.992)	5131	1.00000	0.94(MH)
	138 Freon TF	101	2.334	2.334	(0.485)	3343	1.00000	0.31
	140 1,3-Butadiene	54	1.400	1.400	(0.291)	3484	1.00000	0.90
	147 Methylcyclohexane	55	5.951	5.951	(1.072)	9557	1.00000	0.93
	146 Methyl Acetate	43	2.712	2.712	(0.563)	3863	1.00000	1.11(M)
	148 Tert-Butyl alcohol	59	2.971	2.971	(0.617)	11049	20.0000	24.23(aM)
	149 Isopropyl Alcohol	45	2.566	2.566	(0.533)	6059	20.0000	22.74(M)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.



Data File: \\nahstws005\target\chem\voa9,i\u230731,b\u073104,d
Date : 31-JUL-2023 12:37
Client ID: VSTD001
Sample Info: VSTD001;VSTD001;1;3;
Purge Volume: 5.0
Column phase: DB624

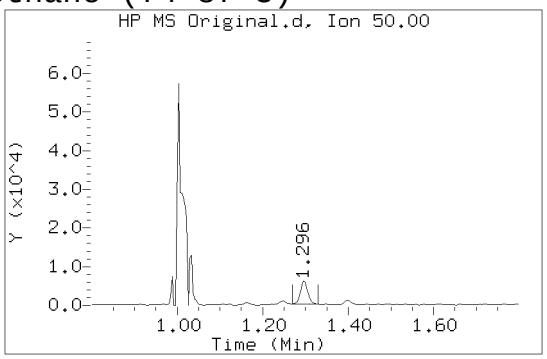
Instrument: VOA9,i
Operator: PC
Column diameter: 0.18

Data File : \\nahstws005\target\chem\voa9.i\u230731.b\u073104.d
Inj Date : 31-JUL-2023 12:37
InstruID : VOA9.i
LabSampID : VSTD001

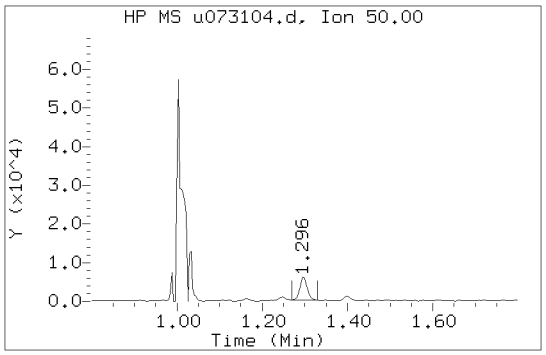
Chloromethane (74-87-3)

Reason Code:

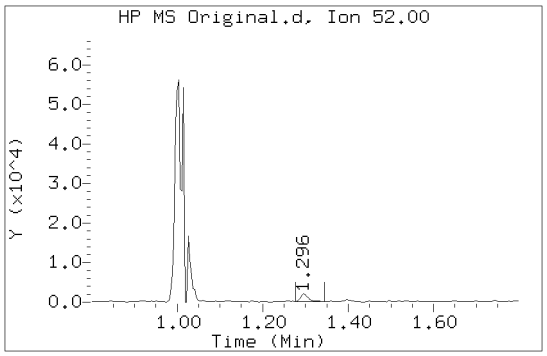
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50
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7212
HEIGHT
6021
01-Aug-2023
21:03



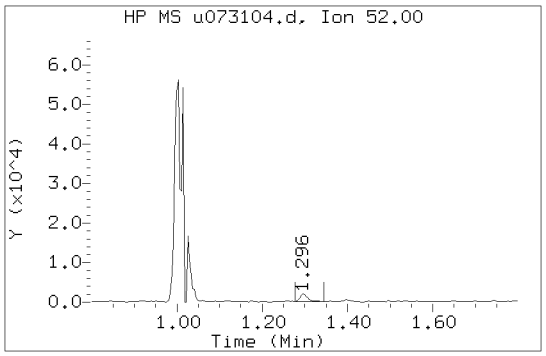
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MASS
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7212
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01-Aug-2023
21:03



BEFORE
MASS
52
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2568
HEIGHT
1932
01-Aug-2023
21:03



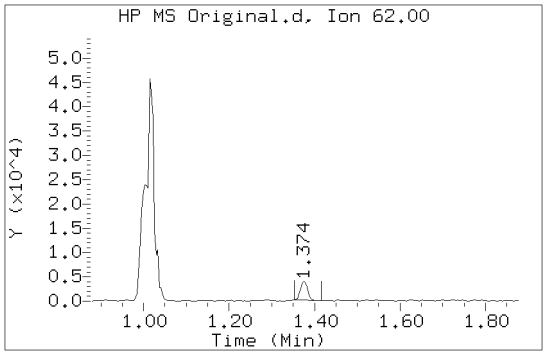
AFTER
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52
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2568
HEIGHT
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01-Aug-2023
21:03



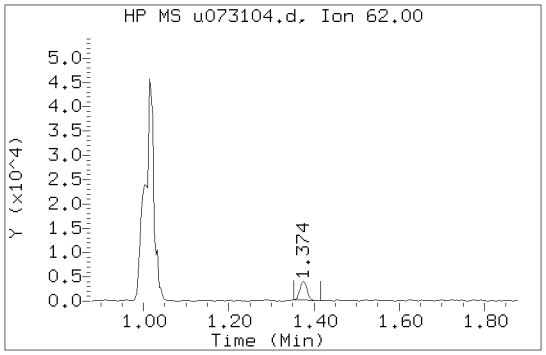
Vinyl Chloride (75-01-4)

Reason Code:

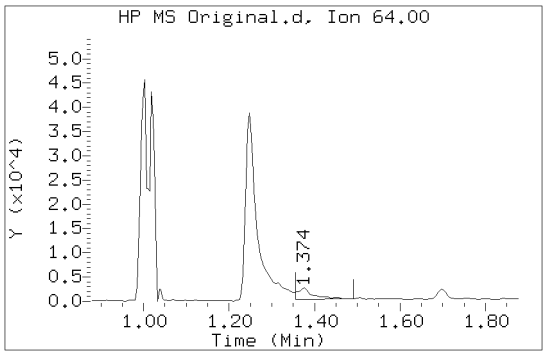
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62
AREA
4568
HEIGHT
3920
01-Aug-2023
21:03



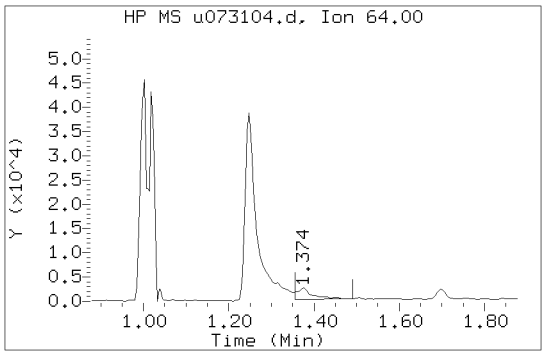
AFTER
MASS
62
AREA
4568
HEIGHT
3920
01-Aug-2023
21:03



BEFORE
MASS
64
AREA
5839
HEIGHT
2307
01-Aug-2023
21:03



AFTER
MASS
64
AREA
5839
HEIGHT
2307
01-Aug-2023
21:03

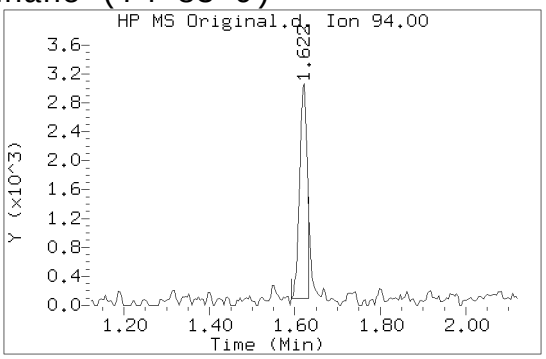


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InstruID : VOA9.i
LabSampID : VSTD001

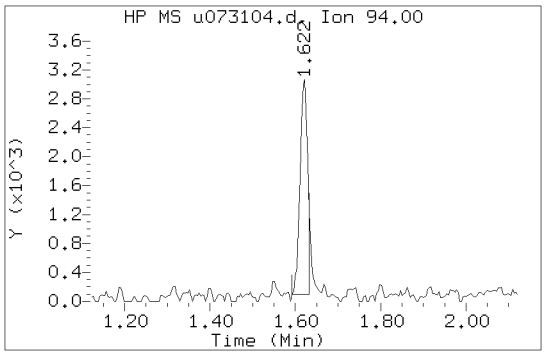
Bromomethane (74-83-9)

Reason Code:

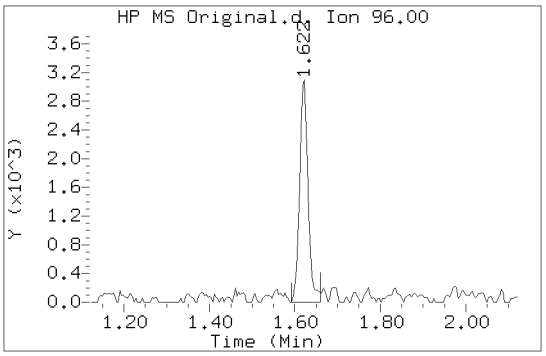
BEFORE
MASS
94
AREA
3816
HEIGHT
2971
01-Aug-2023
21:03



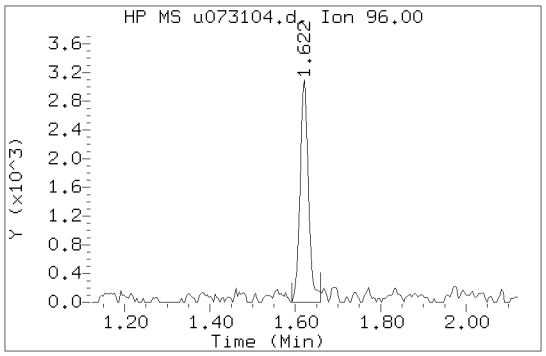
AFTER
MASS
94
AREA
3816
HEIGHT
2971
01-Aug-2023
21:03



BEFORE
MASS
96
AREA
4382
HEIGHT
3098
01-Aug-2023
21:03



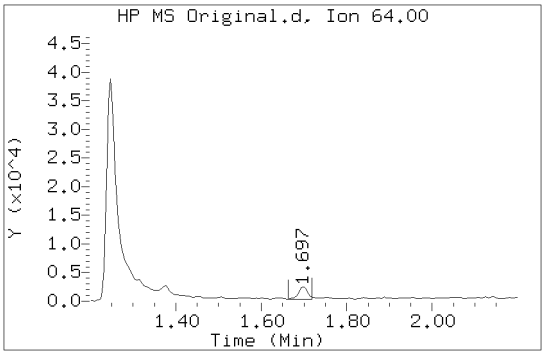
AFTER
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96
AREA
4382
HEIGHT
3098
01-Aug-2023
21:03



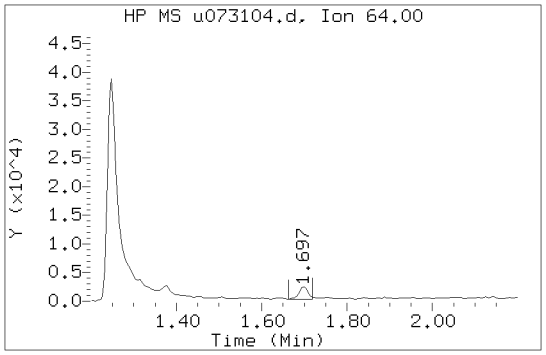
Chloroethane (75-00-3)

Reason Code:

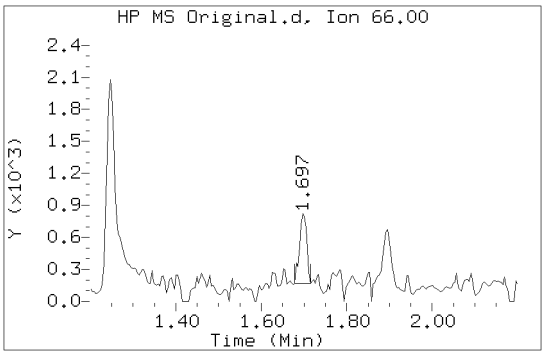
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01-Aug-2023
21:03



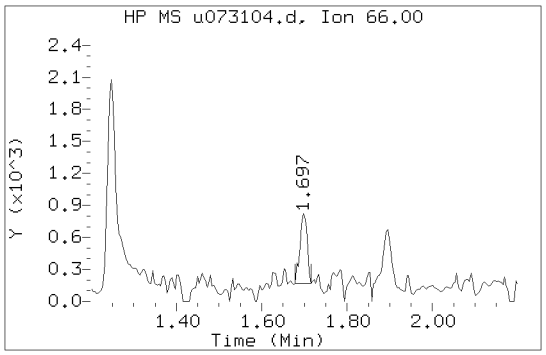
AFTER
MASS
64
AREA
3276
HEIGHT
2153
01-Aug-2023
21:03



BEFORE
MASS
66
AREA
785
HEIGHT
658
01-Aug-2023
21:03



AFTER
MASS
66
AREA
785
HEIGHT
658
01-Aug-2023
21:03

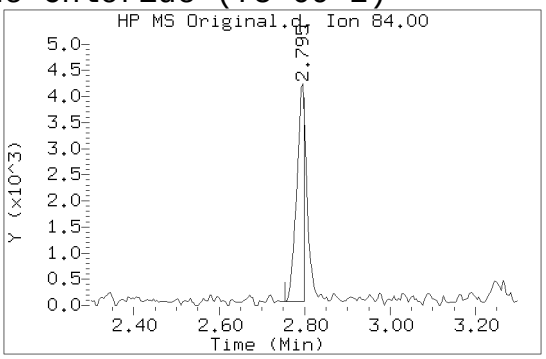


Data File : \\nahstws005\target\chem\voa9.i\u230731.b\u073104.d
Inj Date : 31-JUL-2023 12:37
InstruID : VOA9.i
LabSampID : VSTD001

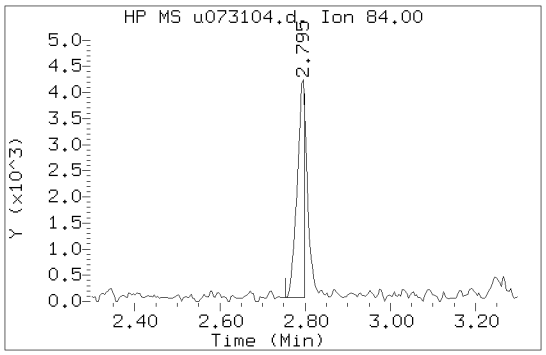
Methylene Chloride (75-09-2)

Reason Code:

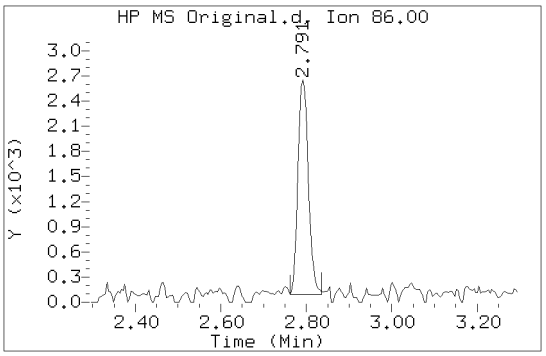
BEFORE
MASS
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AREA
5208
HEIGHT
4165
01-Aug-2023
21:03



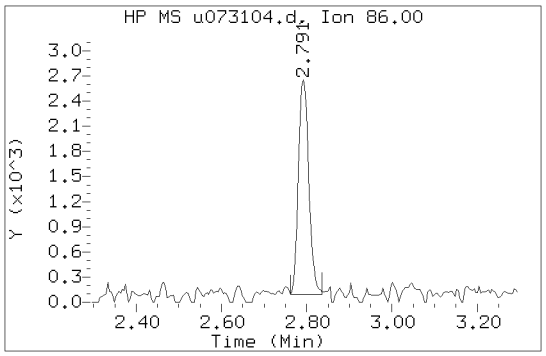
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HEIGHT
4165
01-Aug-2023
21:03



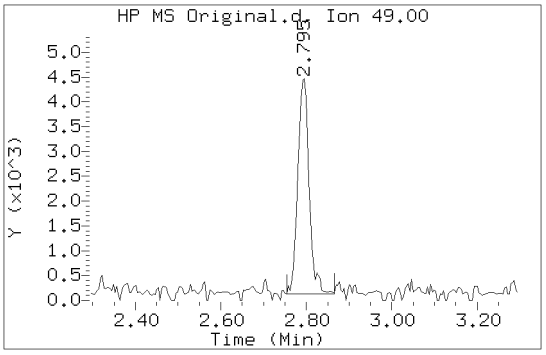
BEFORE
MASS
86
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4420
HEIGHT
2560
01-Aug-2023
21:03



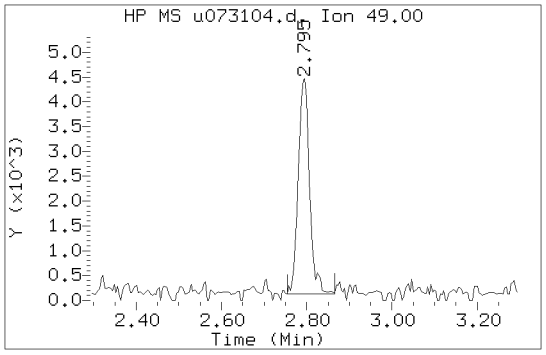
AFTER
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AREA
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HEIGHT
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01-Aug-2023
21:03



BEFORE
MASS
49
AREA
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HEIGHT
4339
01-Aug-2023
21:03



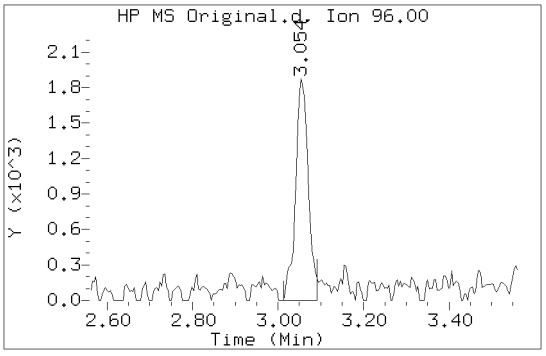
AFTER
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HEIGHT
4339
01-Aug-2023
21:03



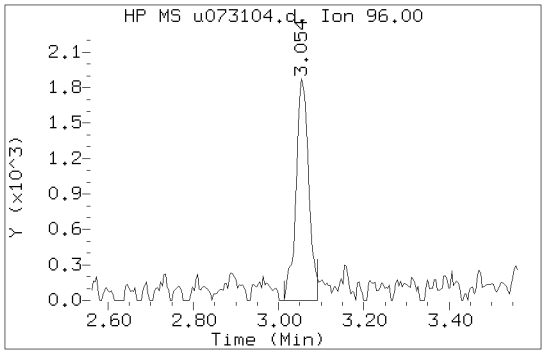
trans-1,2-Dichloroethene (156-60-5)

Reason Code:

BEFORE
MASS
96
AREA
3954
HEIGHT
1876
01-Aug-2023
21:03



AFTER
MASS
96
AREA
3954
HEIGHT
1876
01-Aug-2023
21:03

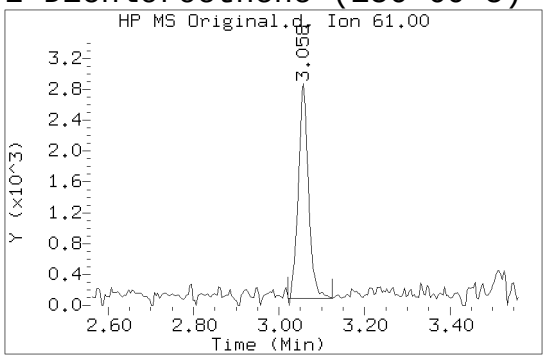


Data File : \\nahstws005\target\chem\voa9.i\u230731.b\u073104.d
Inj Date : 31-JUL-2023 12:37
InstruID : VOA9.i
LabSampID : VSTD001

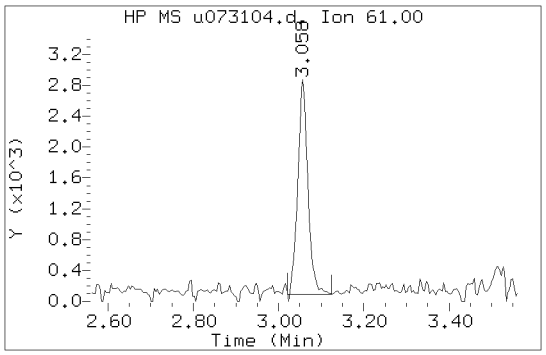
trans-1,2-Dichloroethene (156-60-5)

Reason Code:

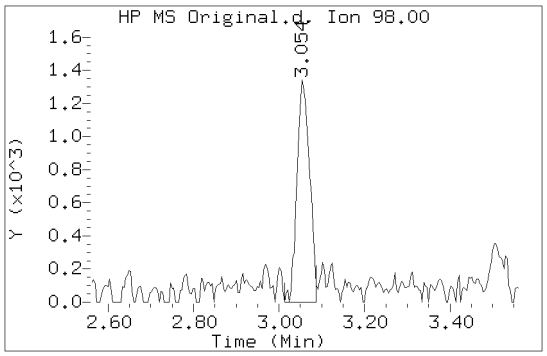
BEFORE
MASS
61
AREA
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HEIGHT
2779
01-Aug-2023
21:03



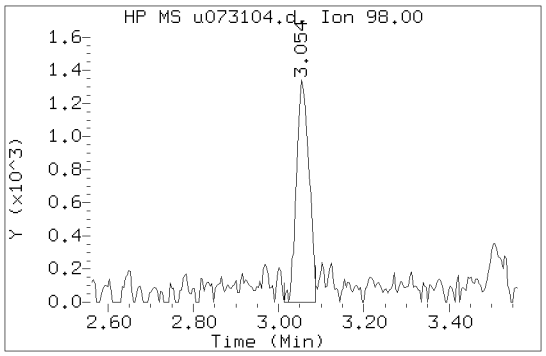
AFTER
MASS
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01-Aug-2023
21:03



BEFORE
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AREA
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HEIGHT
1342
01-Aug-2023
21:03



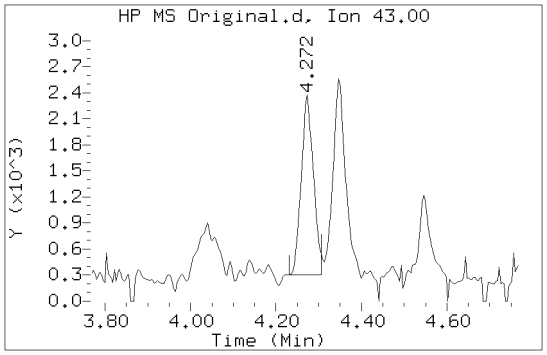
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01-Aug-2023
21:03



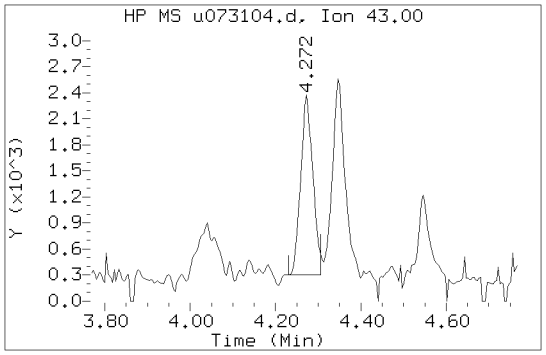
2-Butanone (78-93-3)

Reason Code:

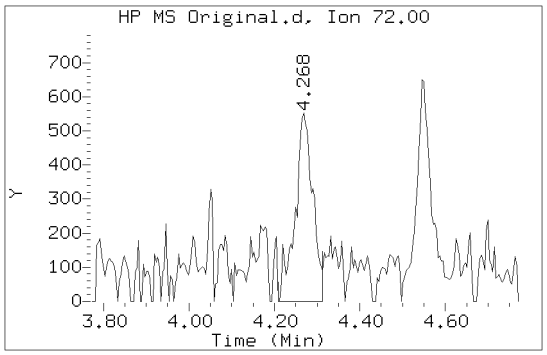
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43
AREA
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HEIGHT
2066
01-Aug-2023
21:03



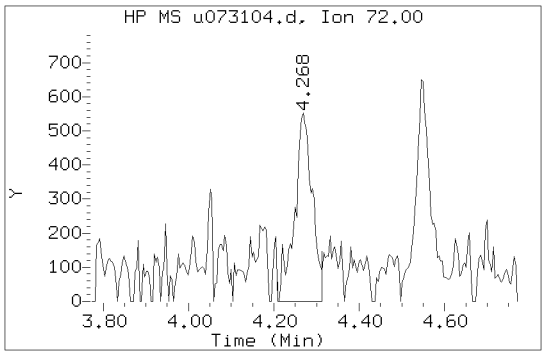
AFTER
MASS
43
AREA
4157
HEIGHT
2066
01-Aug-2023
21:03



BEFORE
MASS
72
AREA
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552
01-Aug-2023
21:03



AFTER
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72
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1609
HEIGHT
552
01-Aug-2023
21:03

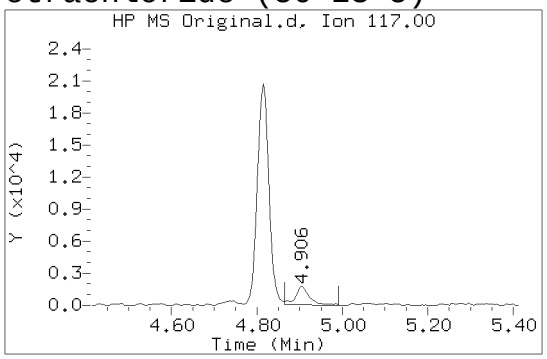


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InstruID : VOA9.i
LabSampID : VSTD001

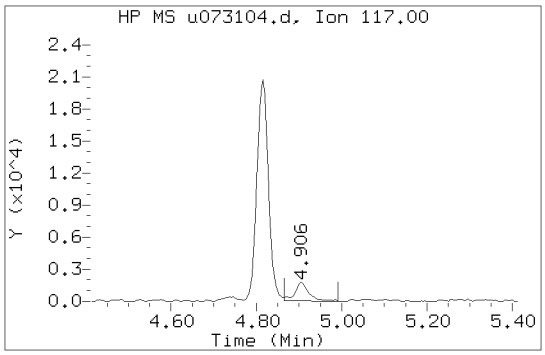
Carbon Tetrachloride (56-23-5)

Reason Code:

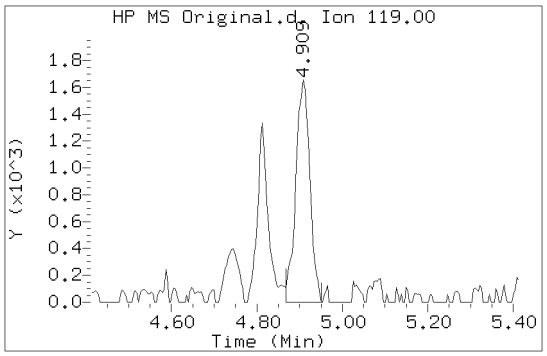
BEFORE
MASS
117
AREA
4063
HEIGHT
1728
01-Aug-2023
21:03



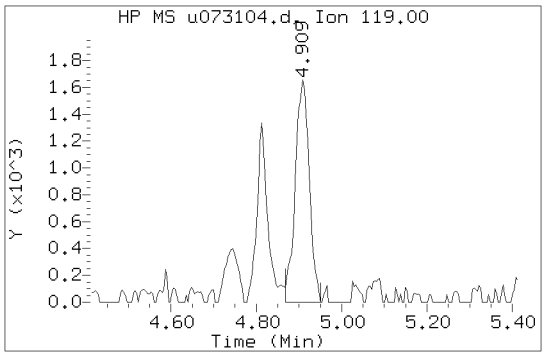
AFTER
MASS
117
AREA
4063
HEIGHT
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01-Aug-2023
21:03



BEFORE
MASS
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AREA
3865
HEIGHT
1656
01-Aug-2023
21:03



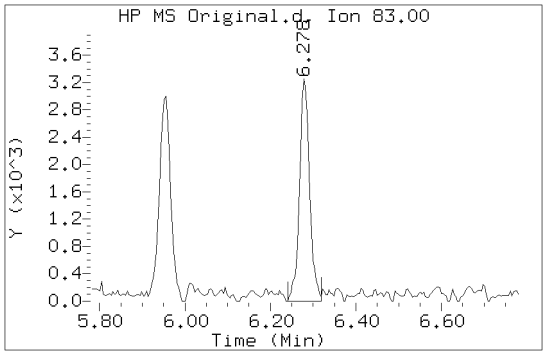
AFTER
MASS
119
AREA
3865
HEIGHT
1656
01-Aug-2023
21:03



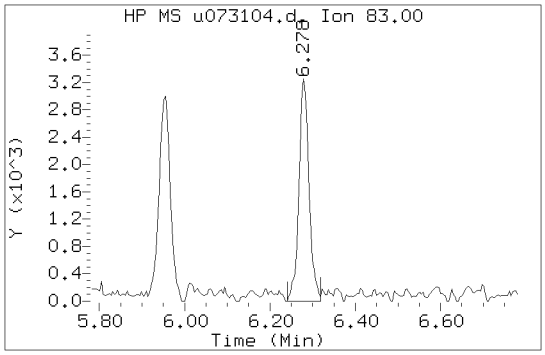
Bromodichloromethane (75-27-4)

Reason Code:

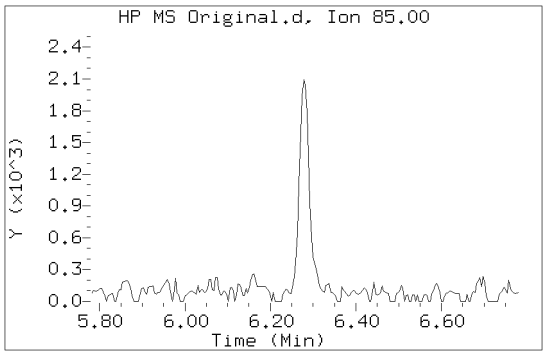
BEFORE
MASS
83
AREA
5449
HEIGHT
3254
01-Aug-2023
21:03



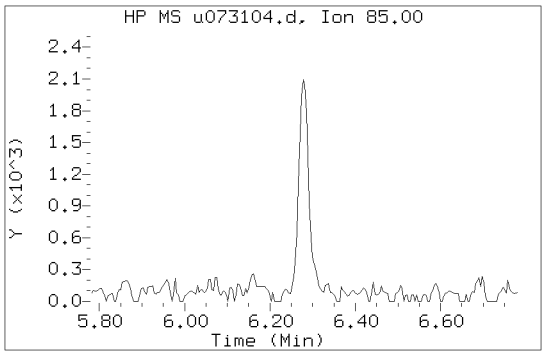
AFTER
MASS
83
AREA
5449
HEIGHT
3254
01-Aug-2023
21:03



BEFORE
MASS
85
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER
MASS
85
AREA
0
HEIGHT
0
01-Aug-2023
21:03

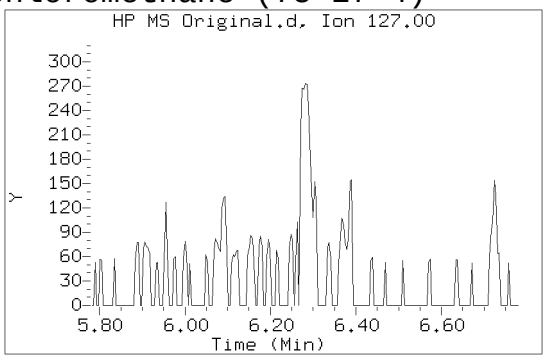


Data File : \\nahstws005\target\chem\voa9.i\u230731.b\u073104.d
Inj Date : 31-JUL-2023 12:37
InstruID : VOA9.i
LabSampID : VSTD001

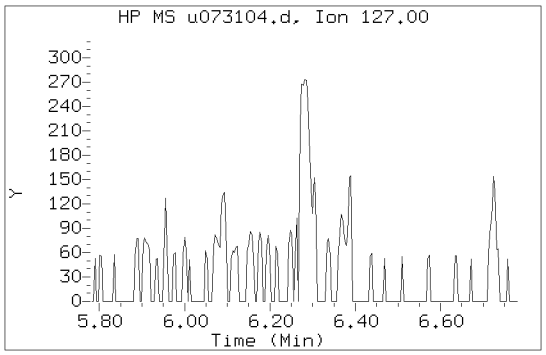
Bromodichloromethane (75-27-4)

Reason Code:

BEFORE
MASS
127
AREA
0
HEIGHT
0
01-Aug-2023
21:03



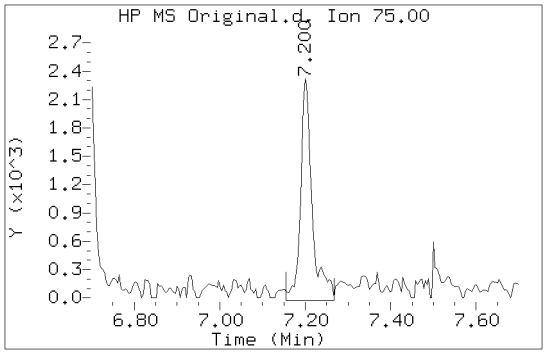
AFTER
MASS
127
AREA
0
HEIGHT
0
01-Aug-2023
21:03



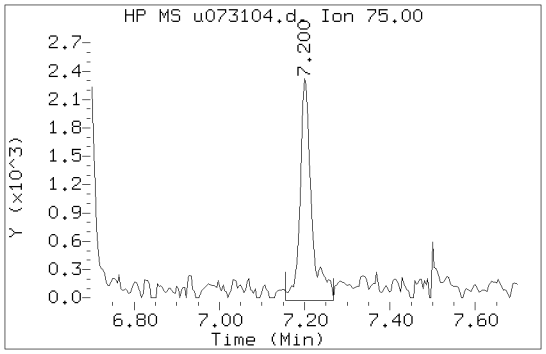
trans-1,3-Dichloropropene (10061-02-6)

Reason Code:

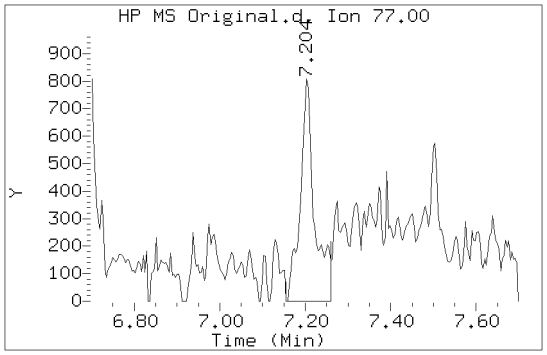
BEFORE
MASS
75
AREA
4497
HEIGHT
2346
01-Aug-2023
21:03



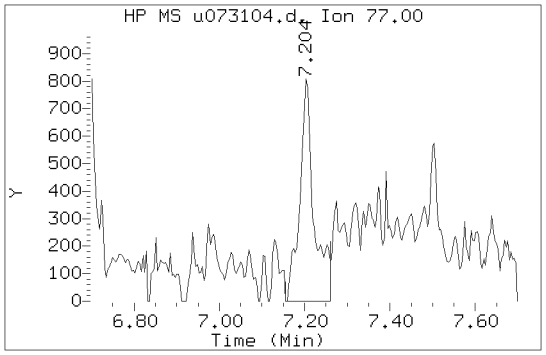
AFTER
MASS
75
AREA
4497
HEIGHT
2346
01-Aug-2023
21:03



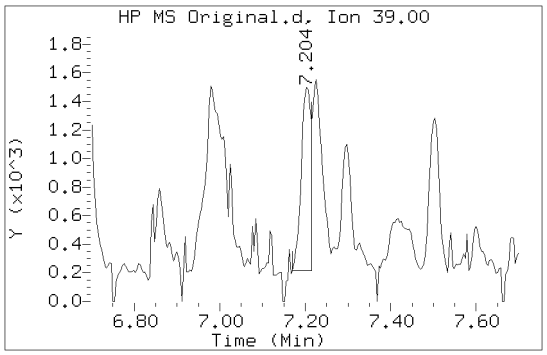
BEFORE
MASS
77
AREA
1896
HEIGHT
808
01-Aug-2023
21:03



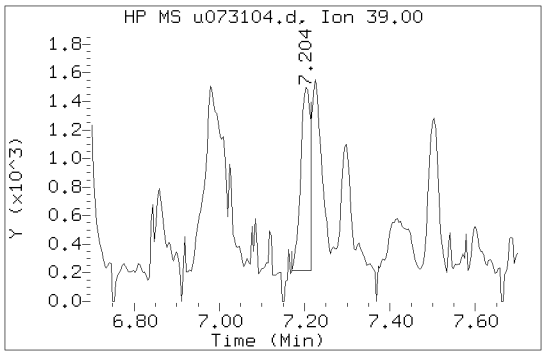
AFTER
MASS
77
AREA
1896
HEIGHT
808
01-Aug-2023
21:03



BEFORE
MASS
39
AREA
2085
HEIGHT
1283
01-Aug-2023
21:03



AFTER
MASS
39
AREA
2085
HEIGHT
1283
01-Aug-2023
21:03

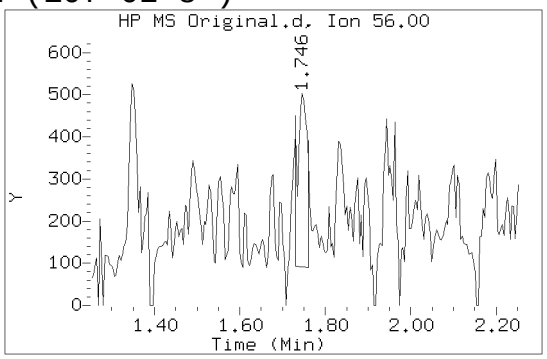


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Inj Date : 31-JUL-2023 12:37
InstruID : VOA9.i
LabSampID : VSTD001

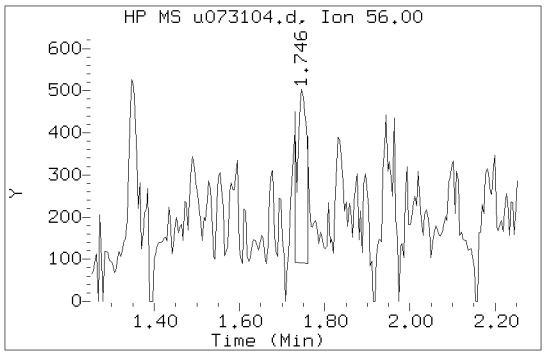
Acrolein (107-02-8)

Reason Code:

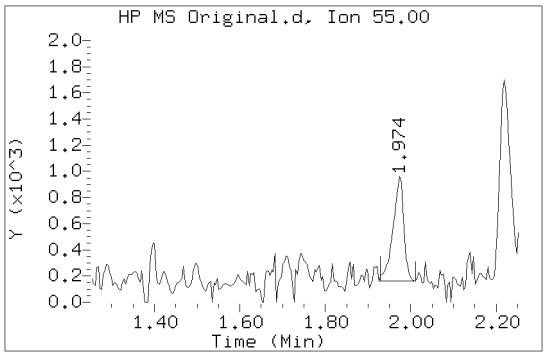
BEFORE
MASS
56
AREA
644
HEIGHT
412
01-Aug-2023
21:03



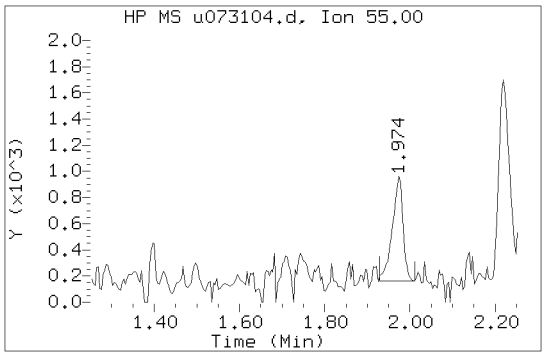
AFTER
MASS
56
AREA
644
HEIGHT
412
01-Aug-2023
21:03



BEFORE
MASS
55
AREA
1395
HEIGHT
799
01-Aug-2023
21:03



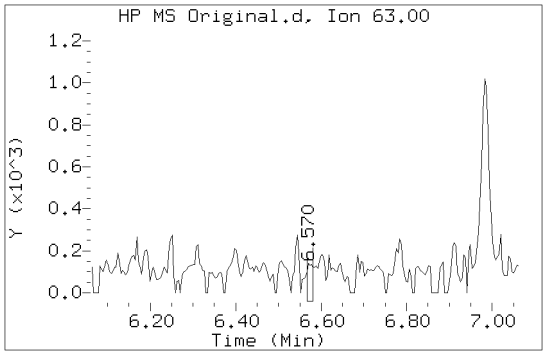
AFTER
MASS
55
AREA
1395
HEIGHT
799
01-Aug-2023
21:03



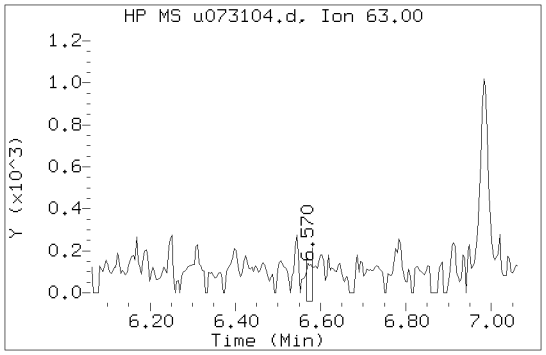
2-Chloroethylvinyl ether (110-75-8)

Reason Code:

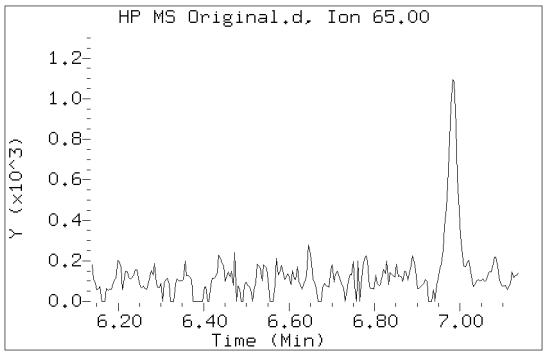
BEFORE
MASS
63
AREA
186
HEIGHT
180
01-Aug-2023
21:03



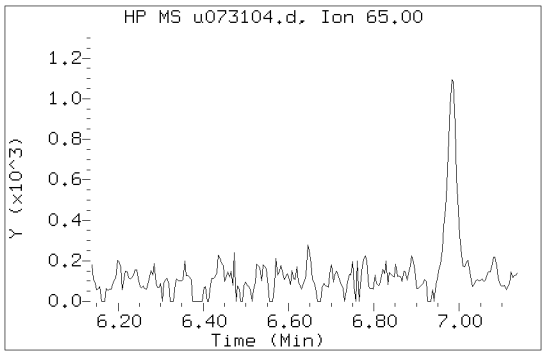
AFTER
MASS
63
AREA
186
HEIGHT
180
01-Aug-2023
21:03



BEFORE
MASS
65
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER
MASS
65
AREA
0
HEIGHT
0
01-Aug-2023
21:03



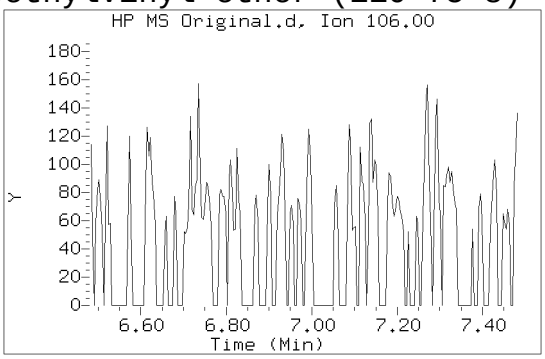
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Inj Date : 31-JUL-2023 12:37
InstruID : VOA9.i
LabSampID : VSTD001

2-Chloroethylvinyl ether (110-75-8)

Reason Code:

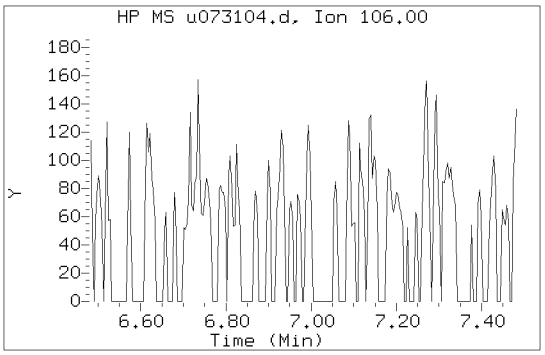
BEFORE

MASS
106
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER

MASS
106
AREA
0
HEIGHT
0
01-Aug-2023
21:03

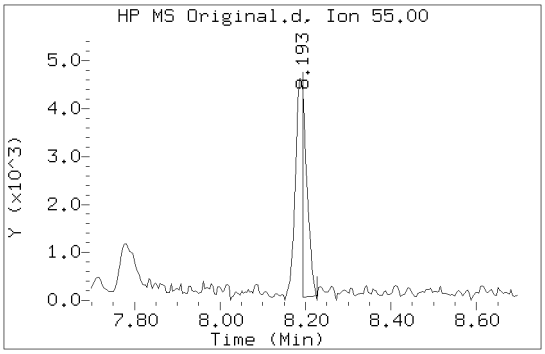


1-Chlorohexane (544-10-5)

Reason Code:

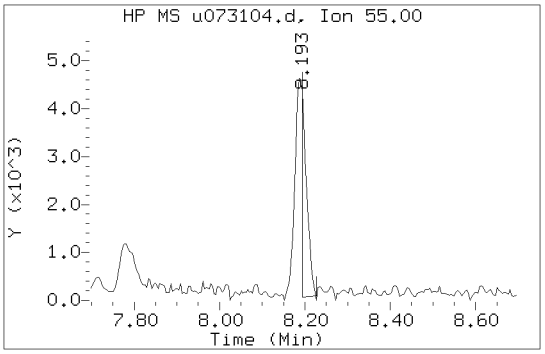
BEFORE

MASS
55
AREA
3774
HEIGHT
4298
01-Aug-2023
21:03



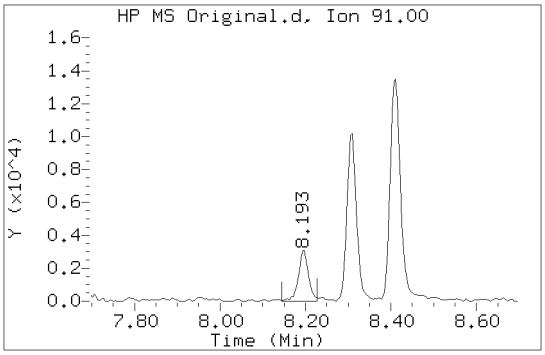
AFTER

MASS
55
AREA
3774
HEIGHT
4298
01-Aug-2023
21:03



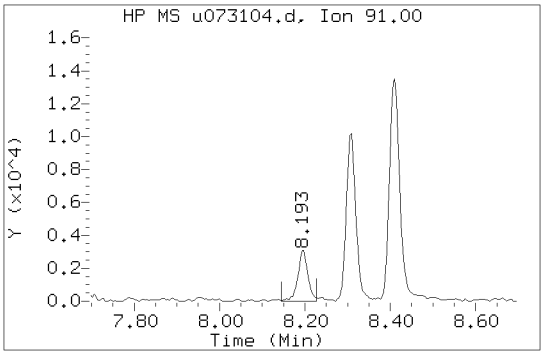
BEFORE

MASS
91
AREA
5195
HEIGHT
3103
01-Aug-2023
21:03



AFTER

MASS
91
AREA
5195
HEIGHT
3103
01-Aug-2023
21:03

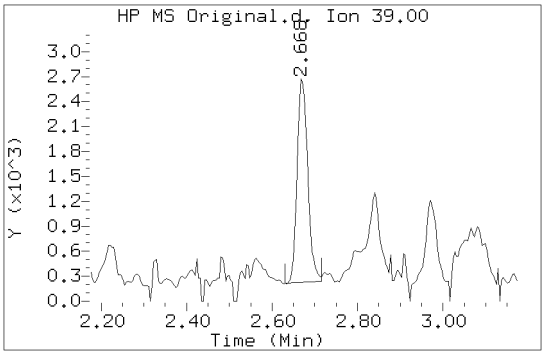


Acetonitrile (75-05-8)

Reason Code:

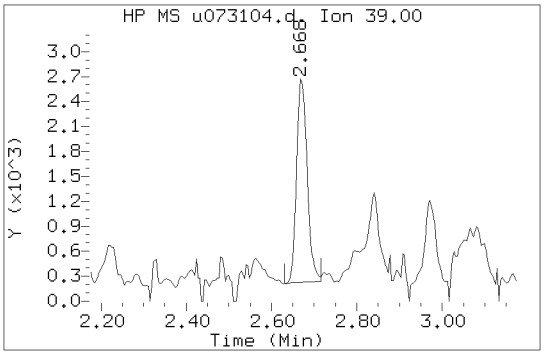
BEFORE

MASS
39
AREA
4337
HEIGHT
2446
01-Aug-2023
21:03



AFTER

MASS
39
AREA
4337
HEIGHT
2446
01-Aug-2023
21:03

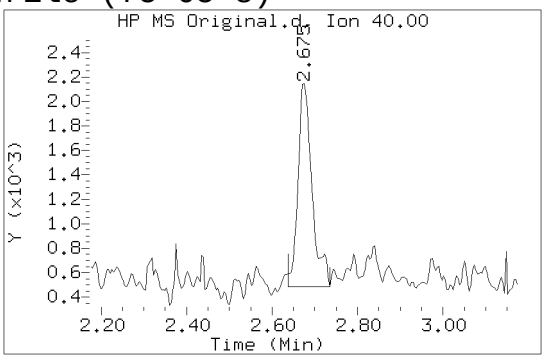


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Inj Date : 31-JUL-2023 12:37
InstruID : VOA9.i
LabSampID : VSTD001

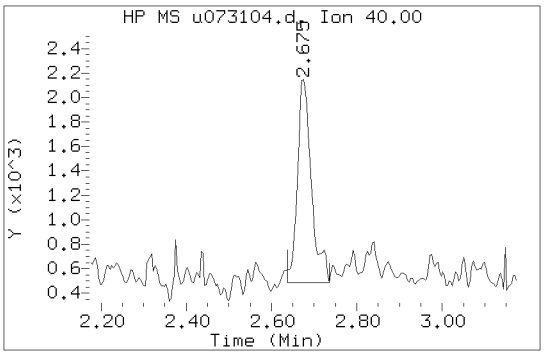
Acetonitrile (75-05-8)

Reason Code:

BEFORE
MASS
40
AREA
3852
HEIGHT
1660
01-Aug-2023
21:03



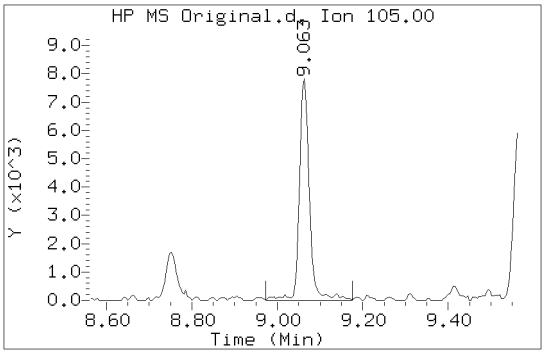
AFTER
MASS
40
AREA
3852
HEIGHT
1660
01-Aug-2023
21:03



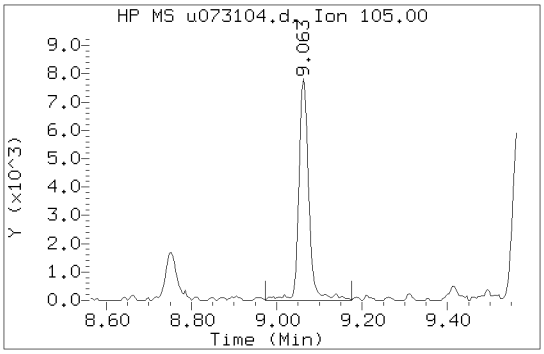
Isopropylbenzene (98-82-8)

Reason Code:

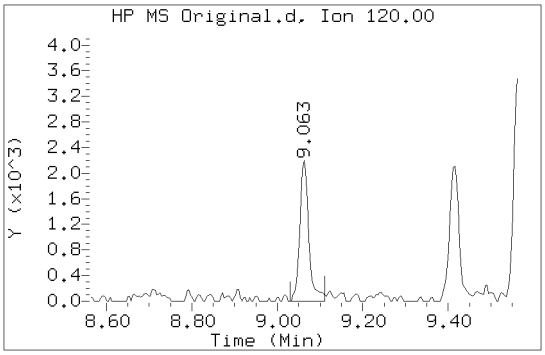
BEFORE
MASS
105
AREA
13094
HEIGHT
7826
01-Aug-2023
21:03



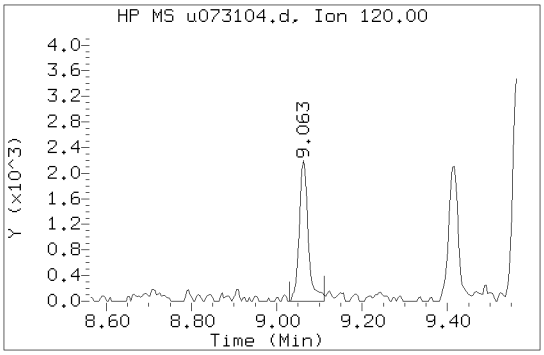
AFTER
MASS
105
AREA
13094
HEIGHT
7826
01-Aug-2023
21:03



BEFORE
MASS
120
AREA
3316
HEIGHT
2197
01-Aug-2023
21:03



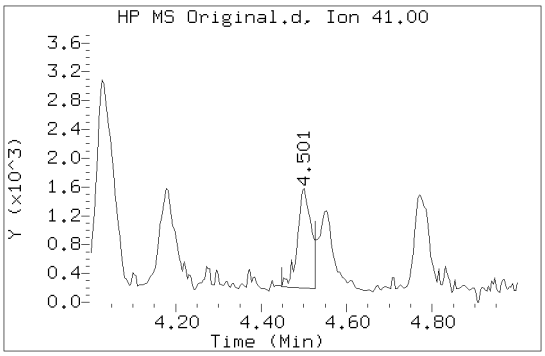
AFTER
MASS
120
AREA
3316
HEIGHT
2197
01-Aug-2023
21:03



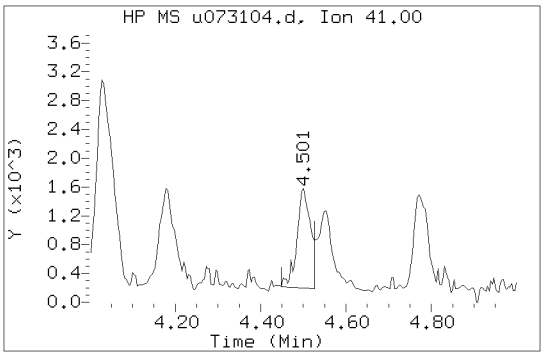
Methacrylonitrile (126-98-7)

Reason Code:

BEFORE
MASS
41
AREA
3171
HEIGHT
1385
01-Aug-2023
21:03



AFTER
MASS
41
AREA
3171
HEIGHT
1385
01-Aug-2023
21:03

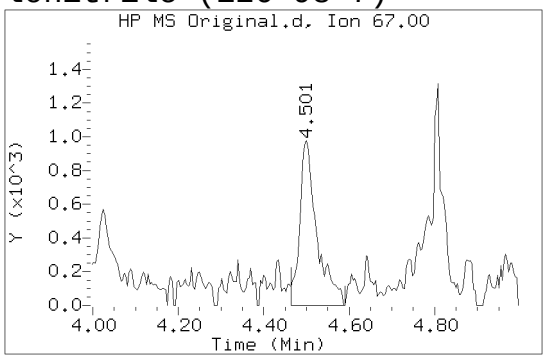


Data File : \\nahstws005\target\chem\voa9.i\u230731.b\u073104.d
Inj Date : 31-JUL-2023 12:37
InstruID : VOA9.i
LabSampID : VSTD001

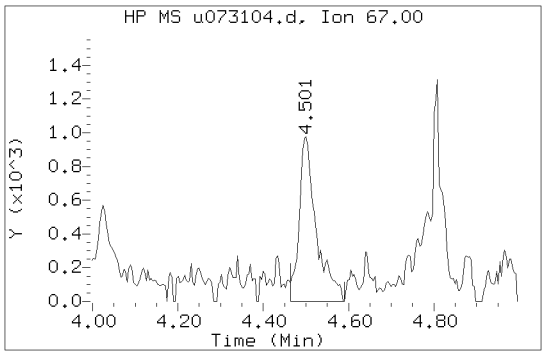
Methacrylonitrile (126-98-7)

Reason Code:

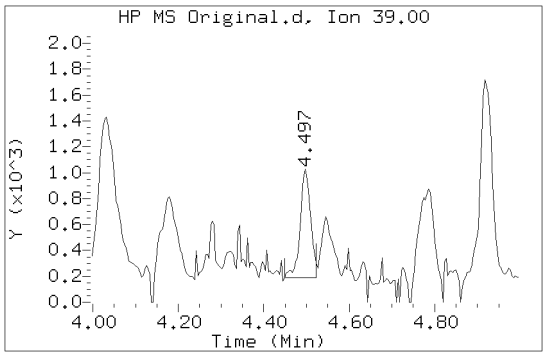
BEFORE
MASS
67
AREA
2773
HEIGHT
976
01-Aug-2023
21:03



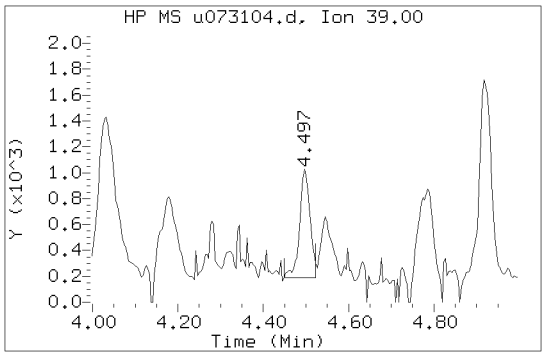
AFTER
MASS
67
AREA
2773
HEIGHT
976
01-Aug-2023
21:03



BEFORE
MASS
39
AREA
1452
HEIGHT
837
01-Aug-2023
21:03



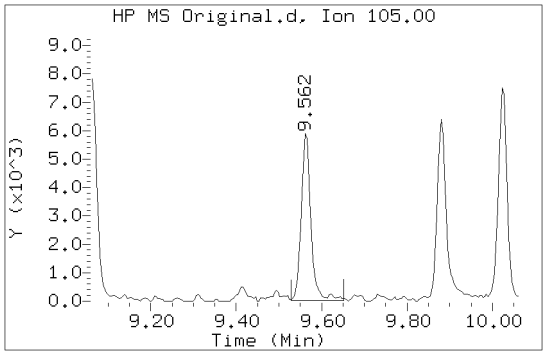
AFTER
MASS
39
AREA
1452
HEIGHT
837
01-Aug-2023
21:03



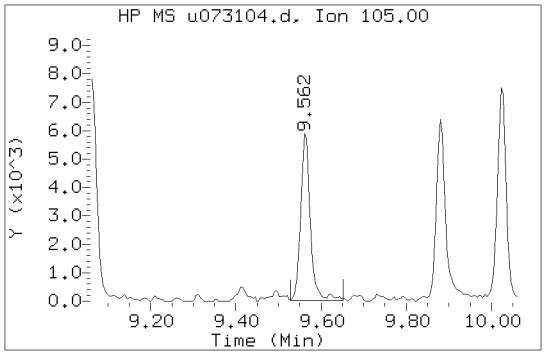
1,3,5-Trimethylbenzene (108-67-8)

Reason Code:

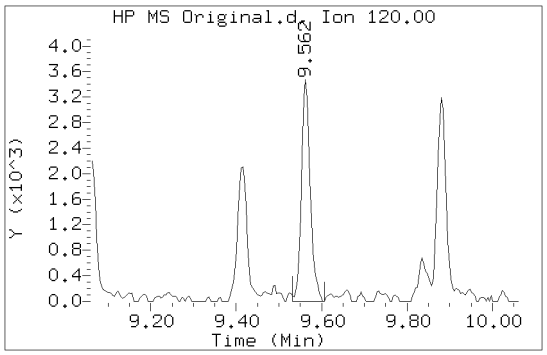
BEFORE
MASS
105
AREA
9434
HEIGHT
5884
01-Aug-2023
21:03



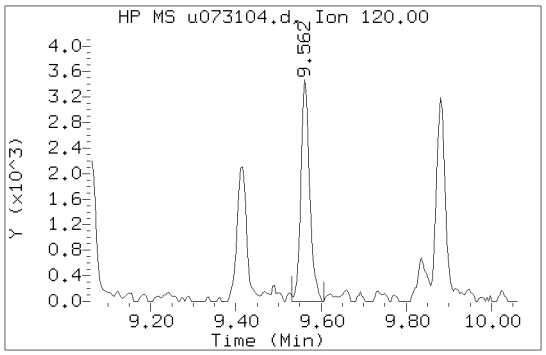
AFTER
MASS
105
AREA
9434
HEIGHT
5884
01-Aug-2023
21:03



BEFORE
MASS
120
AREA
5096
HEIGHT
3472
01-Aug-2023
21:03



AFTER
MASS
120
AREA
5096
HEIGHT
3472
01-Aug-2023
21:03

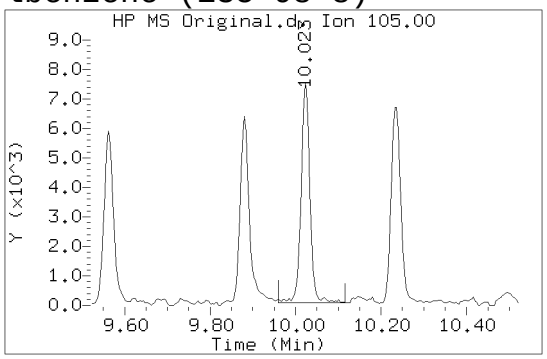


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Inj Date : 31-JUL-2023 12:37
InstruID : VOA9.i
LabSampID : VSTD001

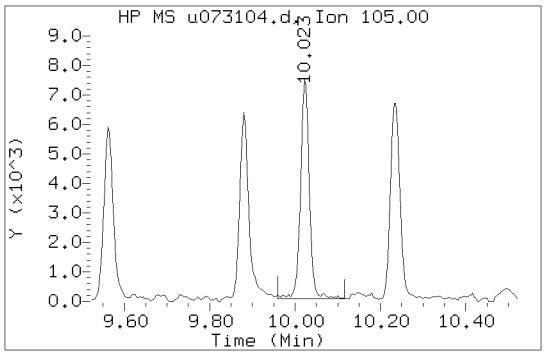
sec-Butylbenzene (135-98-8)

Reason Code:

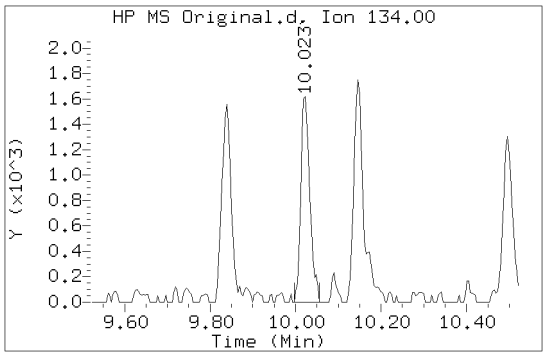
BEFORE
MASS
105
AREA
11030
HEIGHT
7439
01-Aug-2023
21:03



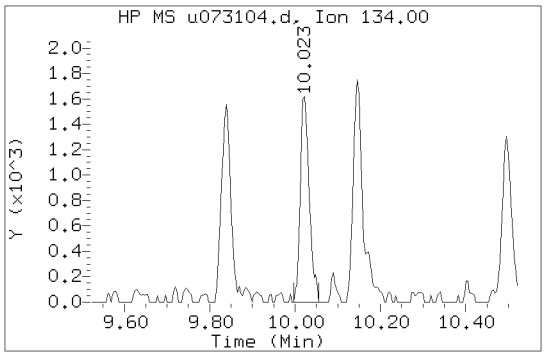
AFTER
MASS
105
AREA
11030
HEIGHT
7439
01-Aug-2023
21:03



BEFORE
MASS
134
AREA
2435
HEIGHT
1619
01-Aug-2023
21:03



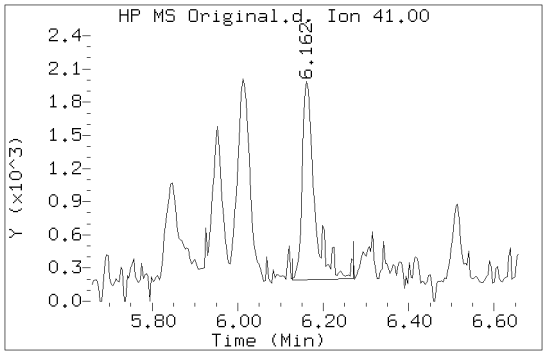
AFTER
MASS
134
AREA
2435
HEIGHT
1619
01-Aug-2023
21:03



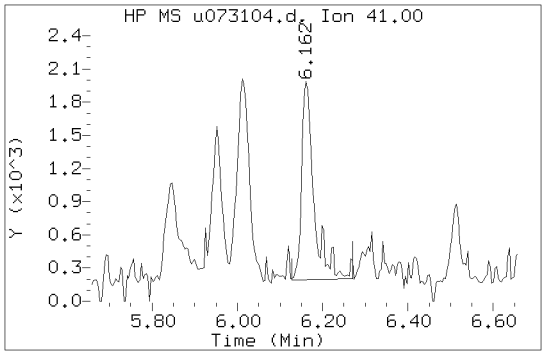
Methyl Methacrylate (80-62-6)

Reason Code:

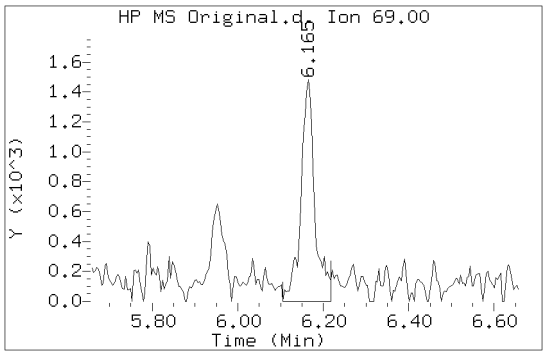
BEFORE
MASS
41
AREA
3713
HEIGHT
1791
01-Aug-2023
21:03



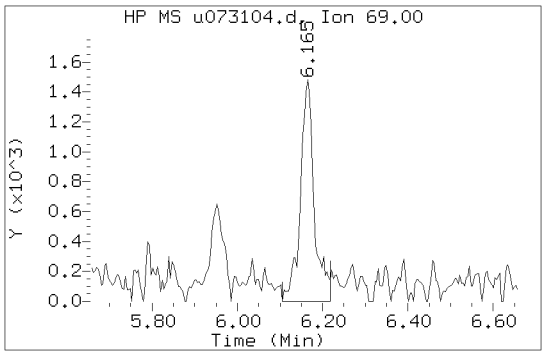
AFTER
MASS
41
AREA
3713
HEIGHT
1791
01-Aug-2023
21:03



BEFORE
MASS
69
AREA
3388
HEIGHT
1482
01-Aug-2023
21:03



AFTER
MASS
69
AREA
3388
HEIGHT
1482
01-Aug-2023
21:03

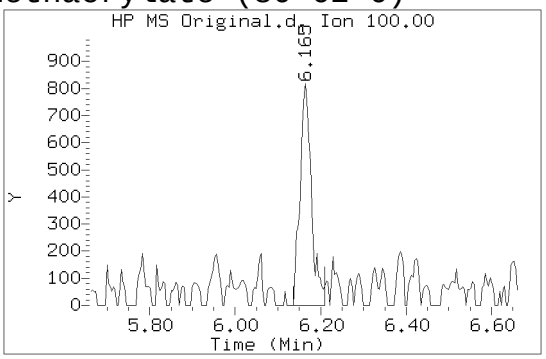


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LabSampID : VSTD001

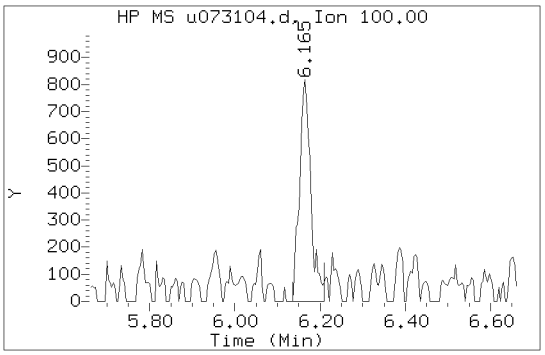
Methyl Methacrylate (80-62-6)

Reason Code:

BEFORE
MASS
100
AREA
1540
HEIGHT
818
01-Aug-2023
21:03



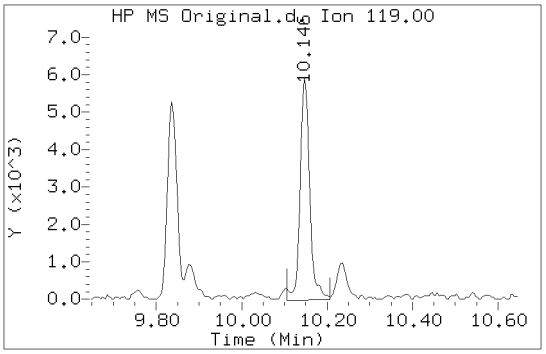
AFTER
MASS
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AREA
1540
HEIGHT
818
01-Aug-2023
21:03



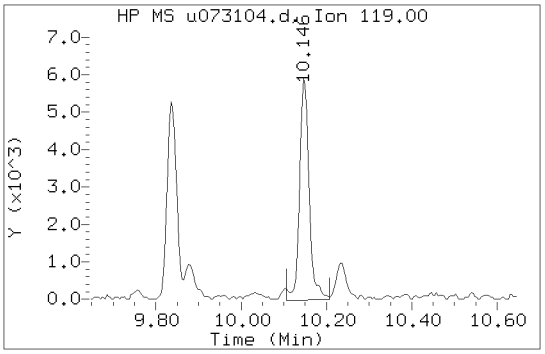
p-Isopropyltoluene (99-87-6)

Reason Code:

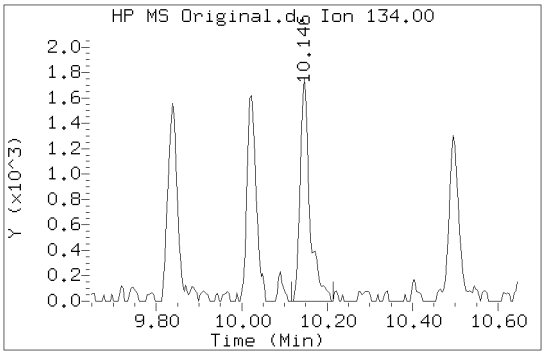
BEFORE
MASS
119
AREA
9596
HEIGHT
5914
01-Aug-2023
21:03



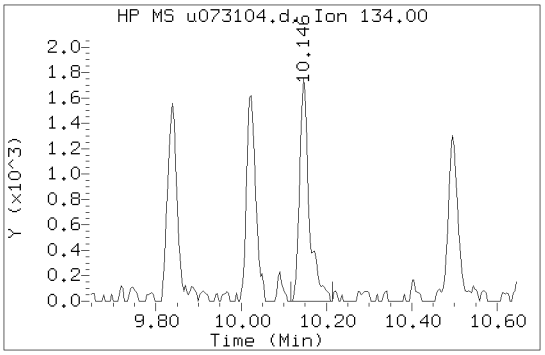
AFTER
MASS
119
AREA
9596
HEIGHT
5914
01-Aug-2023
21:03



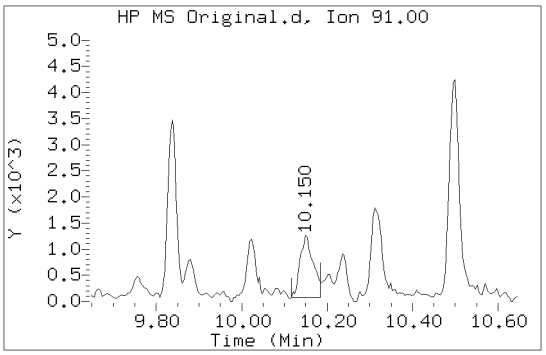
BEFORE
MASS
134
AREA
2851
HEIGHT
1749
01-Aug-2023
21:03



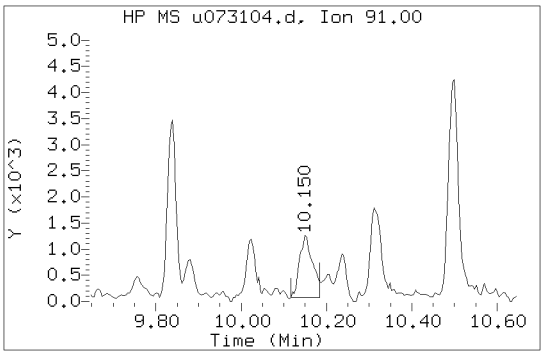
AFTER
MASS
134
AREA
2851
HEIGHT
1749
01-Aug-2023
21:03



BEFORE
MASS
91
AREA
2606
HEIGHT
1197
01-Aug-2023
21:03



AFTER
MASS
91
AREA
2606
HEIGHT
1197
01-Aug-2023
21:03

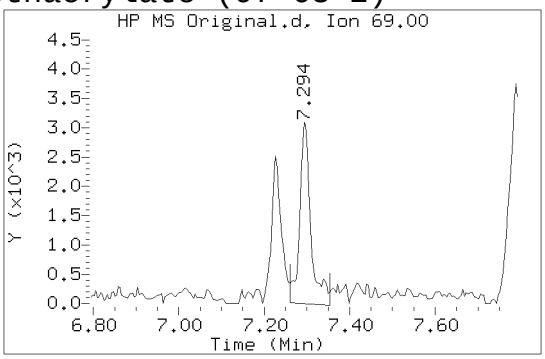


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LabSampID : VSTD001

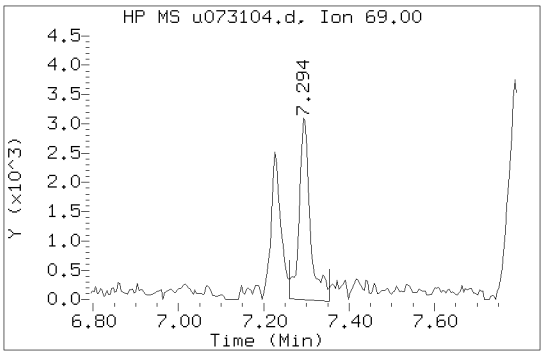
Ethyl Methacrylate (97-63-2)

Reason Code:

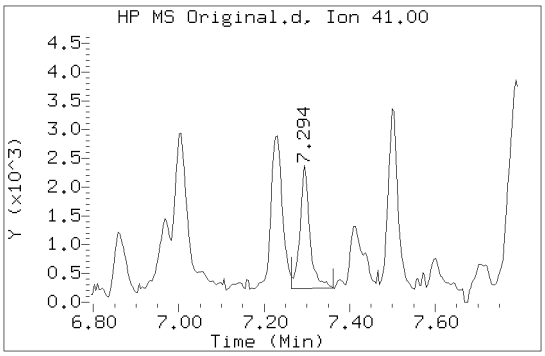
BEFORE
MASS
69
AREA
5777
HEIGHT
3094
01-Aug-2023
21:03



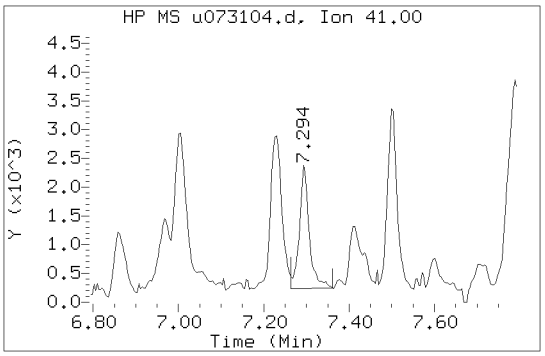
AFTER
MASS
69
AREA
5777
HEIGHT
3094
01-Aug-2023
21:03



BEFORE
MASS
41
AREA
3534
HEIGHT
2144
01-Aug-2023
21:03



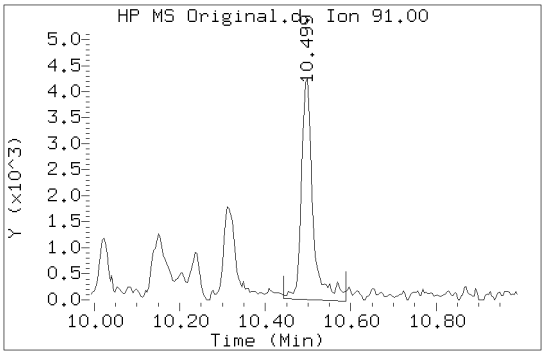
AFTER
MASS
41
AREA
3534
HEIGHT
2144
01-Aug-2023
21:03



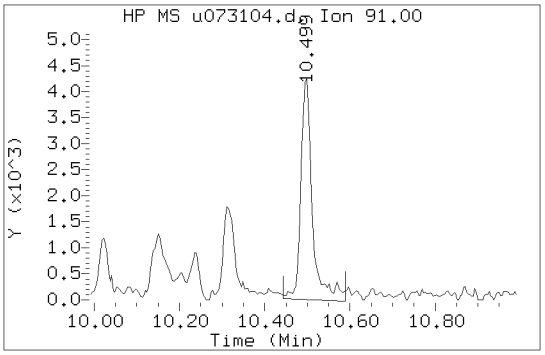
n-Butylbenzene (104-51-8)

Reason Code:

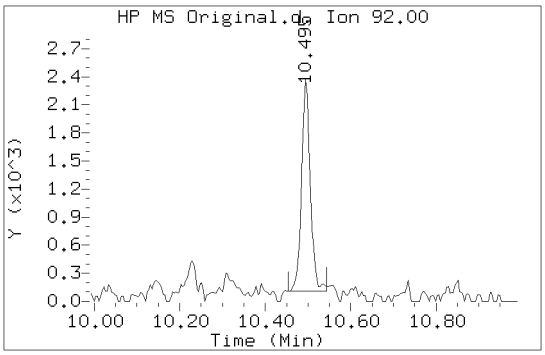
BEFORE
MASS
91
AREA
8159
HEIGHT
4243
01-Aug-2023
21:03



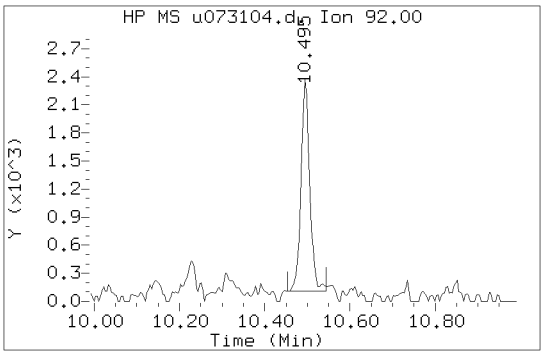
AFTER
MASS
91
AREA
8159
HEIGHT
4243
01-Aug-2023
21:03



BEFORE
MASS
92
AREA
3235
HEIGHT
2256
01-Aug-2023
21:03



AFTER
MASS
92
AREA
3235
HEIGHT
2256
01-Aug-2023
21:03

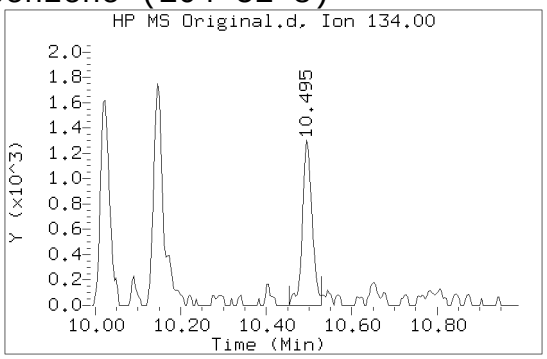


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Inj Date : 31-JUL-2023 12:37
InstruID : VOA9.i
LabSampID : VSTD001

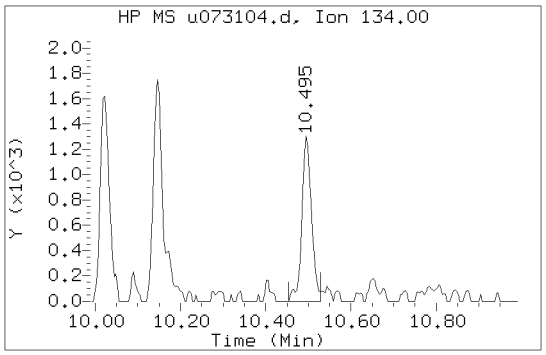
n-Butylbenzene (104-51-8)

Reason Code:

BEFORE
MASS
134
AREA
2081
HEIGHT
1306
01-Aug-2023
21:03



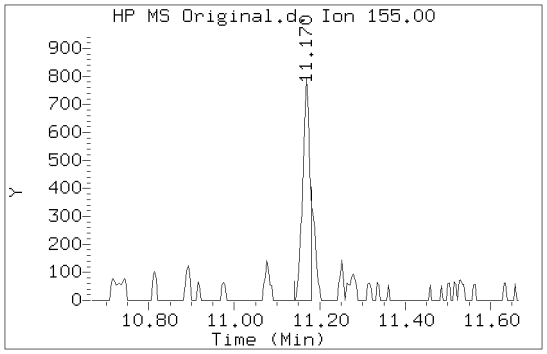
AFTER
MASS
134
AREA
2081
HEIGHT
1306
01-Aug-2023
21:03



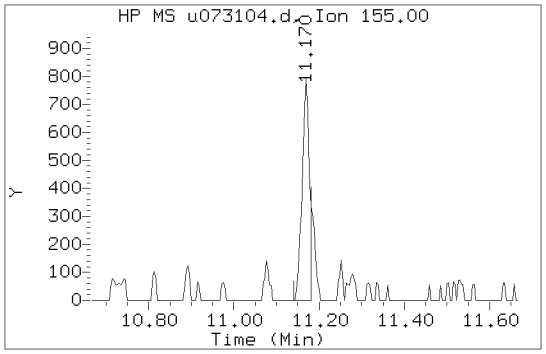
1,2-Dibromo-3-Chloropropane (96-12-8)

Reason Code:

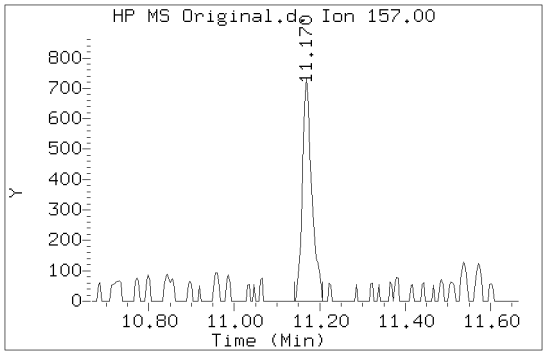
BEFORE
MASS
155
AREA
937
HEIGHT
792
01-Aug-2023
21:03



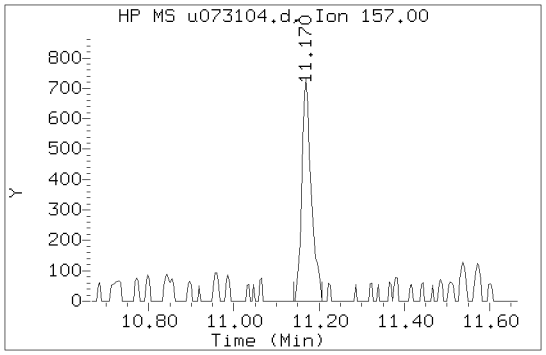
AFTER
MASS
155
AREA
937
HEIGHT
792
01-Aug-2023
21:03



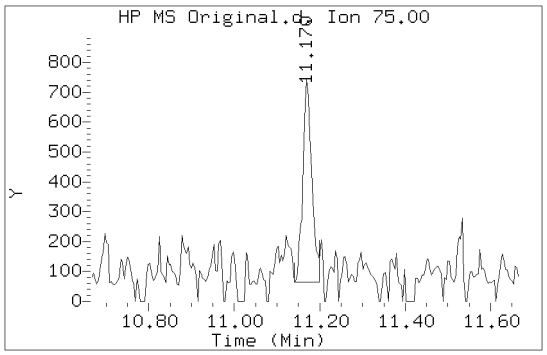
BEFORE
MASS
157
AREA
1135
HEIGHT
731
01-Aug-2023
21:03



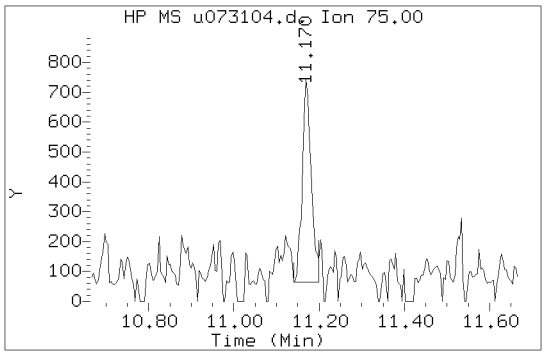
AFTER
MASS
157
AREA
1135
HEIGHT
731
01-Aug-2023
21:03



BEFORE
MASS
75
AREA
1000
HEIGHT
678
01-Aug-2023
21:03



AFTER
MASS
75
AREA
1000
HEIGHT
678
01-Aug-2023
21:03

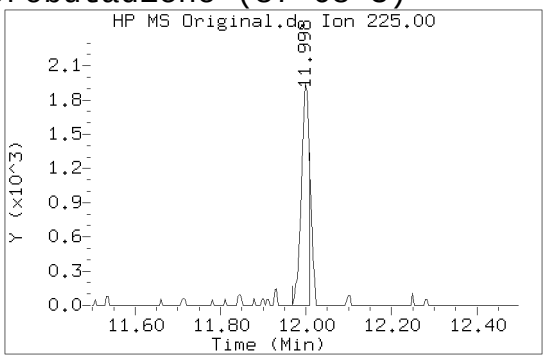


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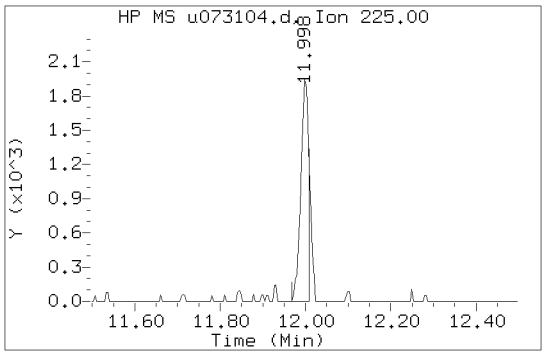
Hexachlorobutadiene (87-68-3)

Reason Code:

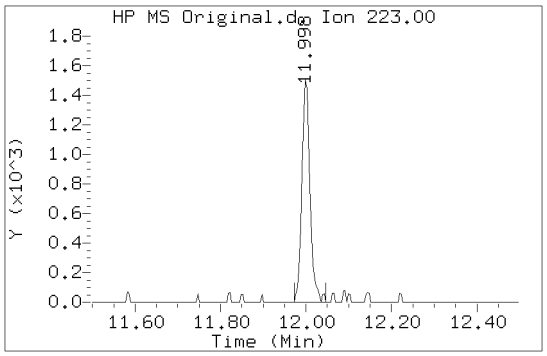
BEFORE
MASS
225
AREA
2531
HEIGHT
1943
01-Aug-2023
21:03



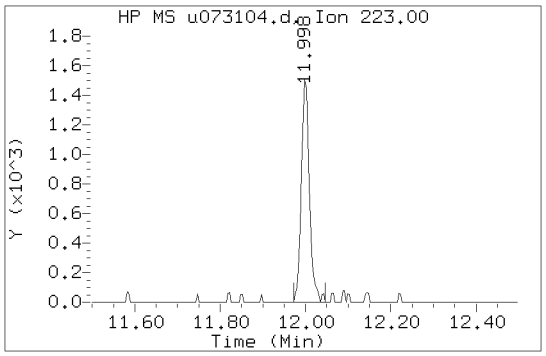
AFTER
MASS
225
AREA
2531
HEIGHT
1943
01-Aug-2023
21:03



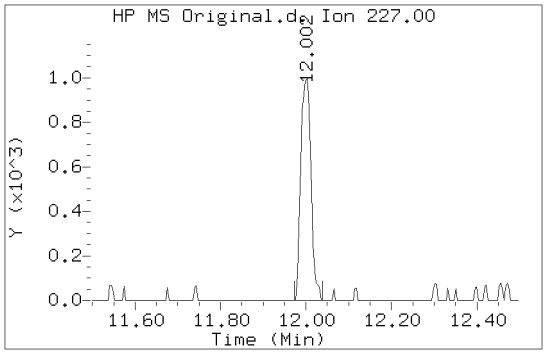
BEFORE
MASS
223
AREA
2053
HEIGHT
1504
01-Aug-2023
21:03



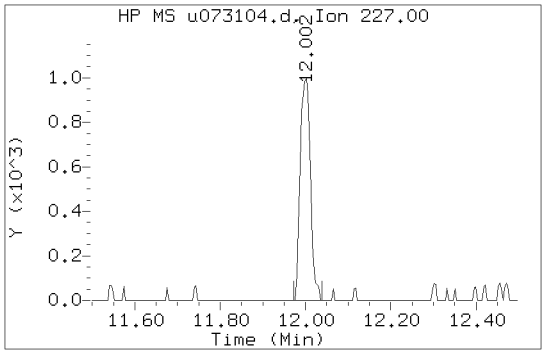
AFTER
MASS
223
AREA
2053
HEIGHT
1504
01-Aug-2023
21:03



BEFORE
MASS
227
AREA
1706
HEIGHT
996
01-Aug-2023
21:03



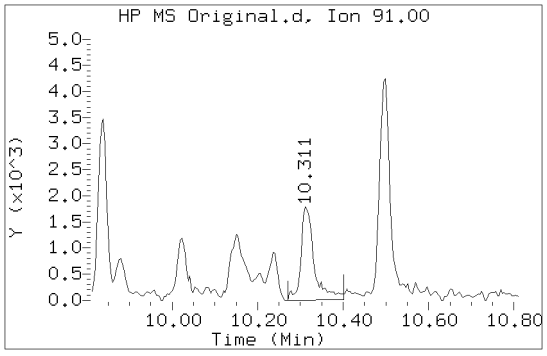
AFTER
MASS
227
AREA
1706
HEIGHT
996
01-Aug-2023
21:03



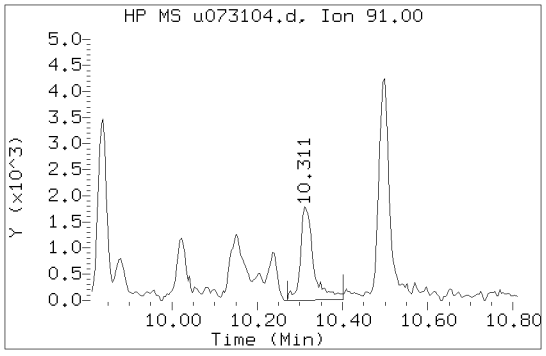
Benzyl Chloride (100-44-7)

Reason Code:

BEFORE
MASS
91
AREA
3936
HEIGHT
1789
01-Aug-2023
21:03



AFTER
MASS
91
AREA
3936
HEIGHT
1789
01-Aug-2023
21:03

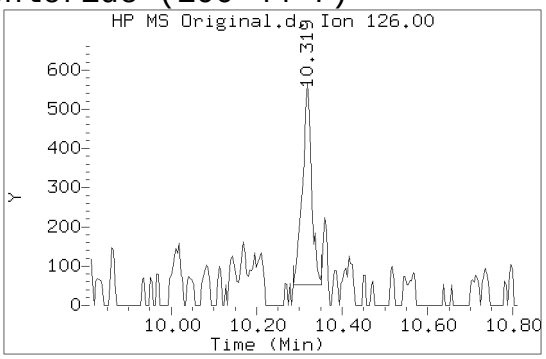


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InstruID : VOA9.i
LabSampID : VSTD001

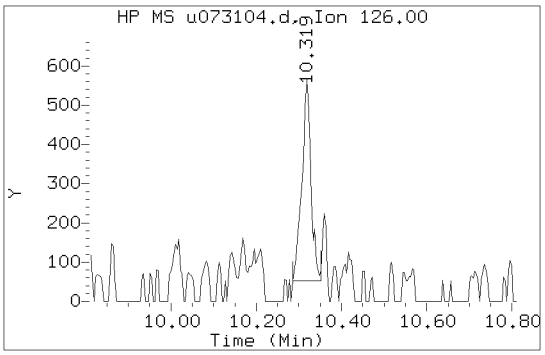
Benzyl Chloride (100-44-7)

Reason Code:

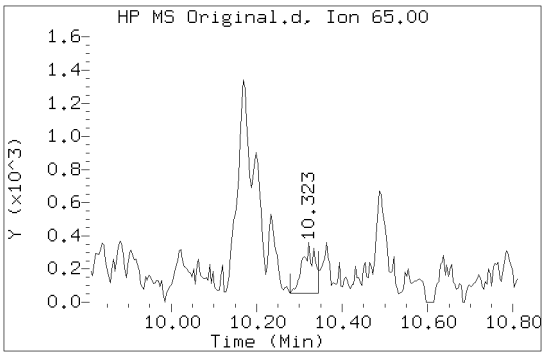
BEFORE
MASS
126
AREA
770
HEIGHT
513
01-Aug-2023
21:03



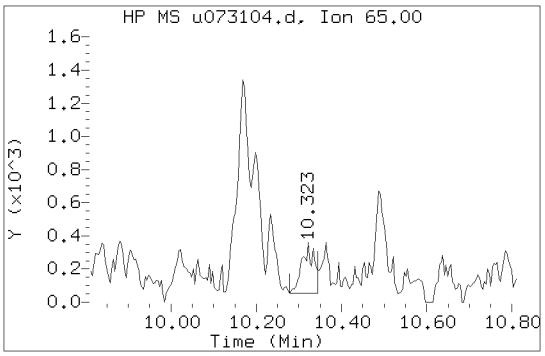
AFTER
MASS
126
AREA
770
HEIGHT
513
01-Aug-2023
21:03



BEFORE
MASS
65
AREA
603
HEIGHT
305
01-Aug-2023
21:03



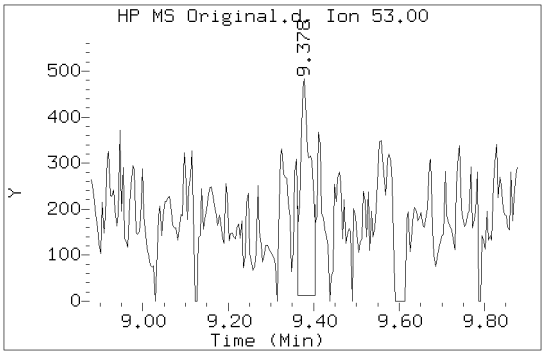
AFTER
MASS
65
AREA
603
HEIGHT
305
01-Aug-2023
21:03



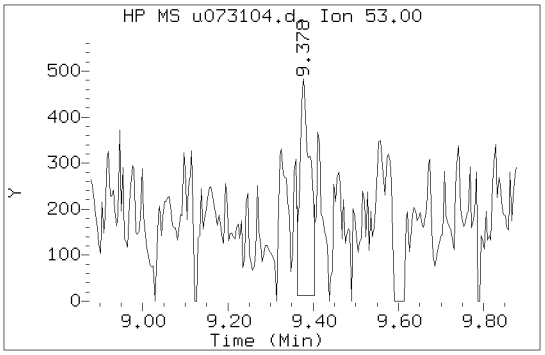
trans-1,4-Dichloro-2-butene (110-57-6)

Reason Code:

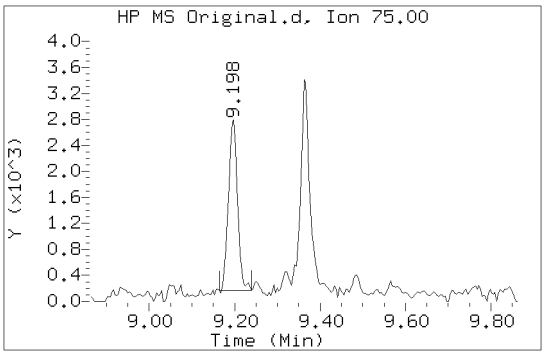
BEFORE
MASS
53
AREA
801
HEIGHT
471
01-Aug-2023
21:03



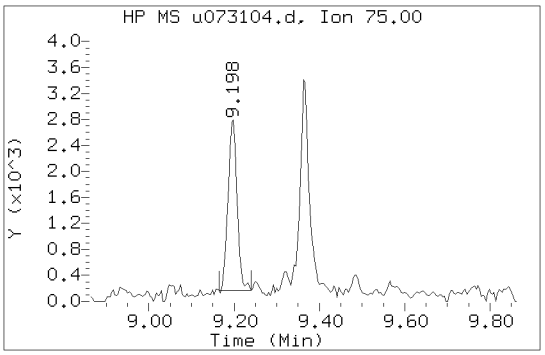
AFTER
MASS
53
AREA
801
HEIGHT
471
01-Aug-2023
21:03



BEFORE
MASS
75
AREA
3893
HEIGHT
2625
01-Aug-2023
21:03



AFTER
MASS
75
AREA
3893
HEIGHT
2625
01-Aug-2023
21:03

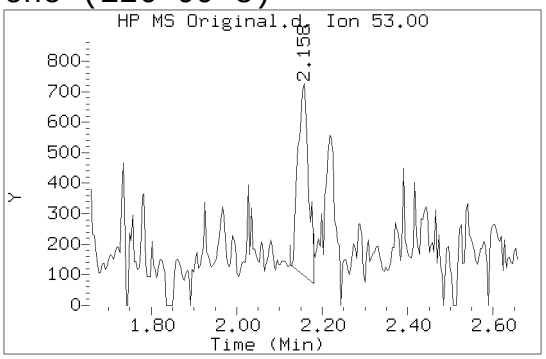


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InstruID : VOA9.i
LabSampID : VSTD001

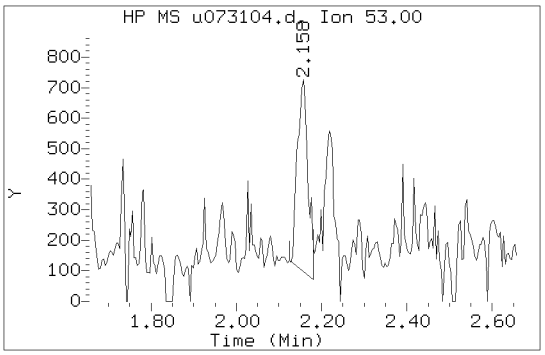
Chloroprene (126-99-8)

Reason Code:

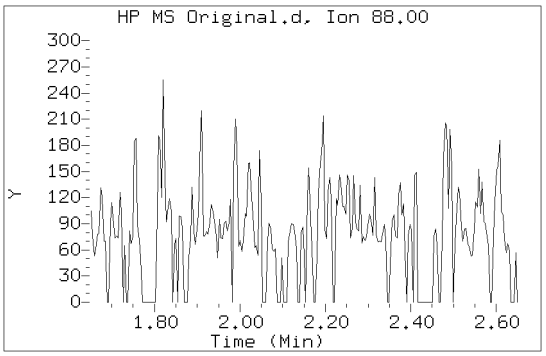
BEFORE
MASS
53
AREA
1093
HEIGHT
628
01-Aug-2023
21:03



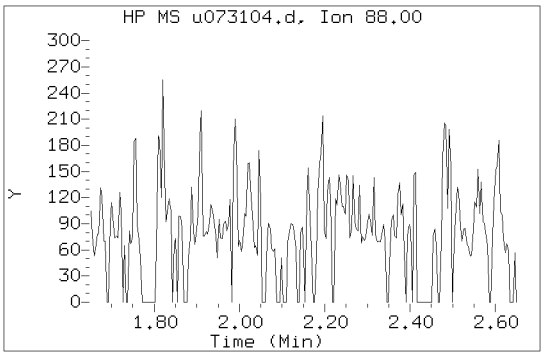
AFTER
MASS
53
AREA
1093
HEIGHT
628
01-Aug-2023
21:03



BEFORE
MASS
88
AREA
0
HEIGHT
0
01-Aug-2023
21:03



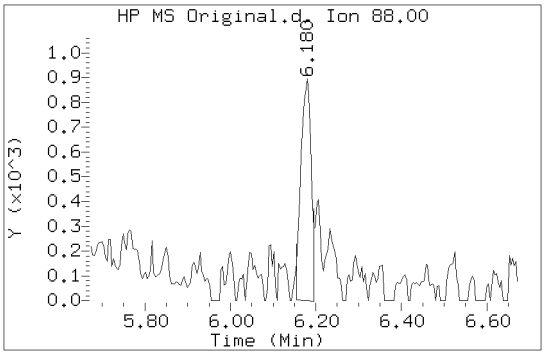
AFTER
MASS
88
AREA
0
HEIGHT
0
01-Aug-2023
21:03



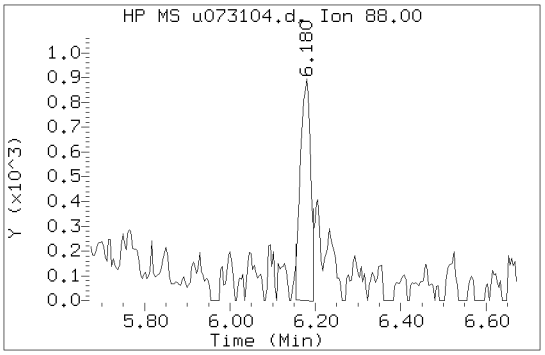
1,4-Dioxane ()

Reason Code:

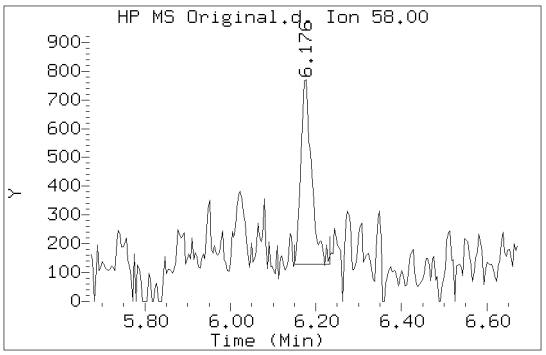
BEFORE
MASS
88
AREA
1547
HEIGHT
895
01-Aug-2023
21:03



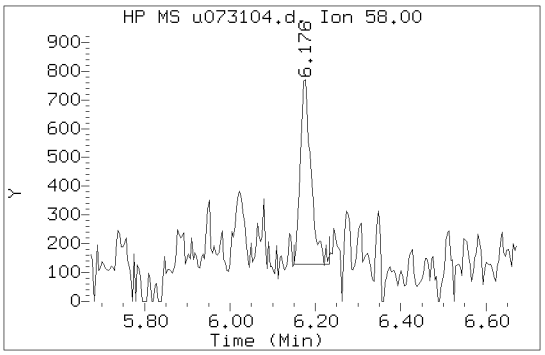
AFTER
MASS
88
AREA
1547
HEIGHT
895
01-Aug-2023
21:03



BEFORE
MASS
58
AREA
1142
HEIGHT
640
01-Aug-2023
21:03



AFTER
MASS
58
AREA
1142
HEIGHT
640
01-Aug-2023
21:03

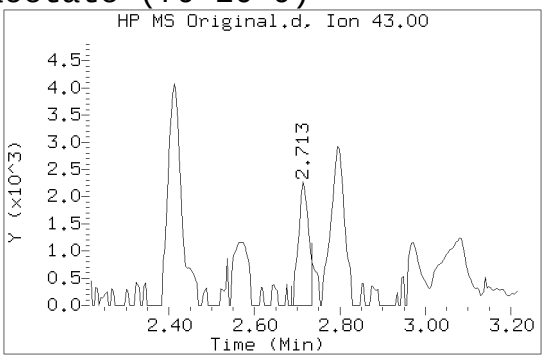


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InstruID : VOA9.i
LabSampID : VSTD001

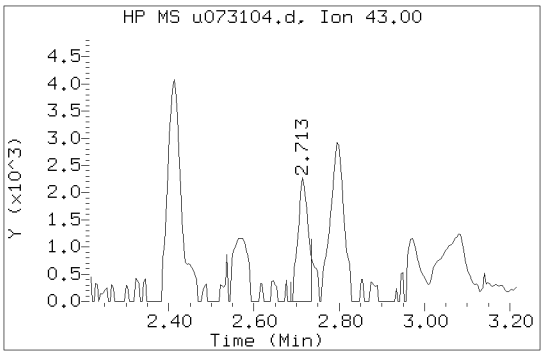
Methyl acetate (79-20-9)

Reason Code:

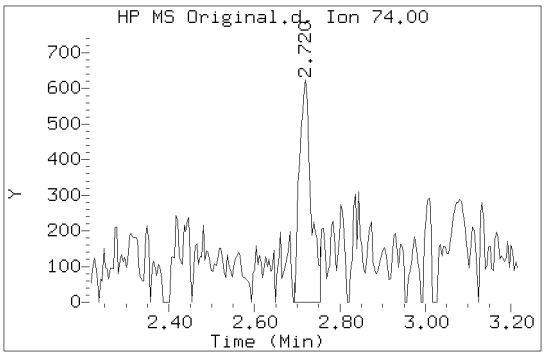
BEFORE
MASS
43
AREA
3863
HEIGHT
2276
01-Aug-2023
21:03



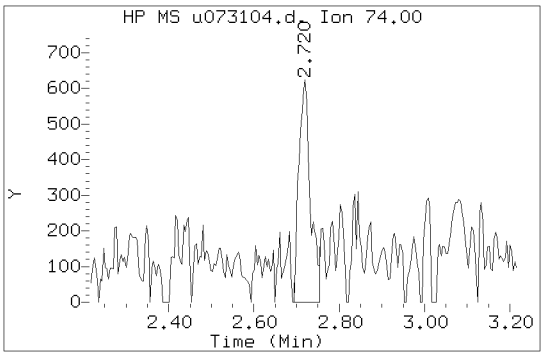
AFTER
MASS
43
AREA
3863
HEIGHT
2276
01-Aug-2023
21:03



BEFORE
MASS
74
AREA
1206
HEIGHT
624
01-Aug-2023
21:03



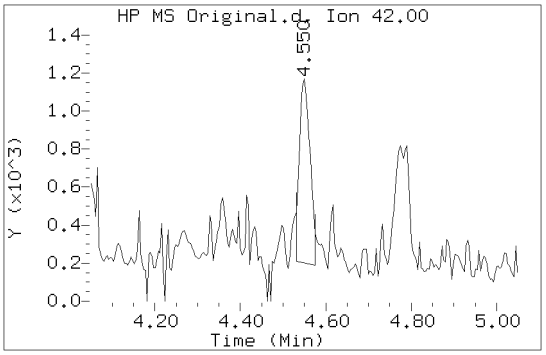
AFTER
MASS
74
AREA
1206
HEIGHT
624
01-Aug-2023
21:03



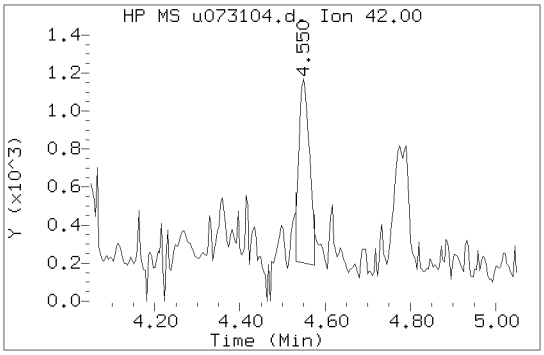
Tetrahydrofuran (109-99-9)

Reason Code:

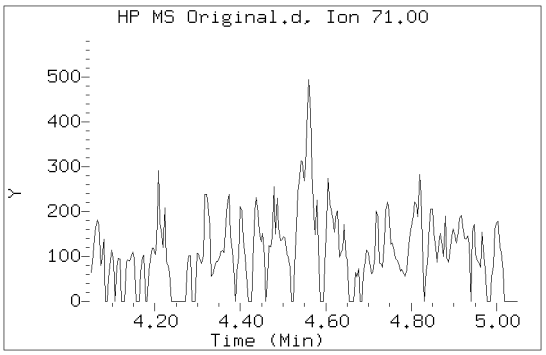
BEFORE
MASS
42
AREA
1750
HEIGHT
968
01-Aug-2023
21:03



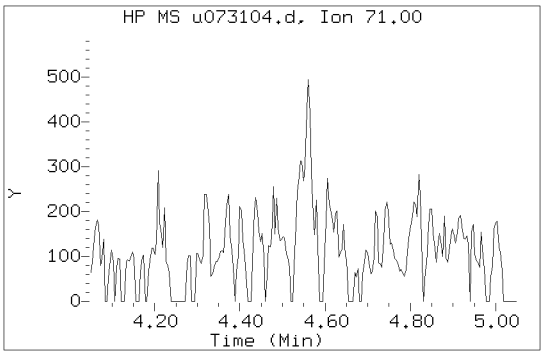
AFTER
MASS
42
AREA
1750
HEIGHT
968
01-Aug-2023
21:03



BEFORE
MASS
71
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER
MASS
71
AREA
0
HEIGHT
0
01-Aug-2023
21:03

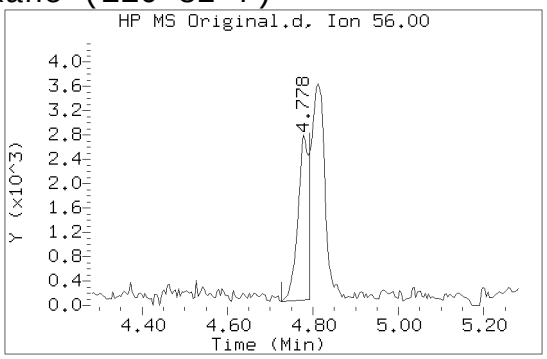


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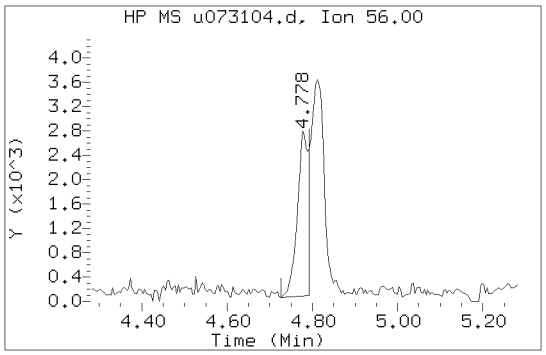
Cyclohexane (110-82-7)

Reason Code:

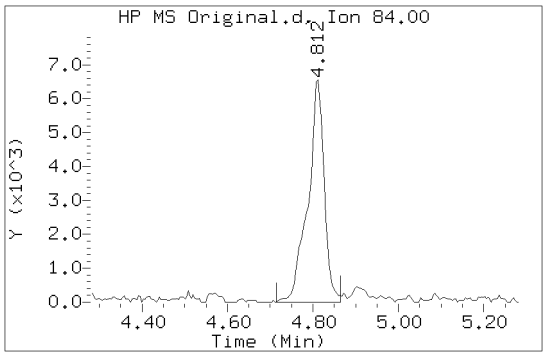
BEFORE
MASS
56
AREA
5131
HEIGHT
2714
01-Aug-2023
21:03



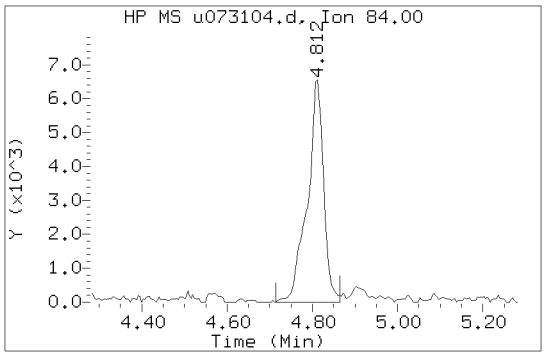
AFTER
MASS
56
AREA
5131
HEIGHT
2714
01-Aug-2023
21:03



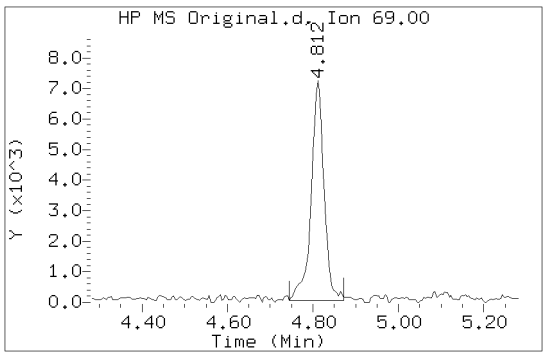
BEFORE
MASS
84
AREA
17428
HEIGHT
6555
01-Aug-2023
21:03



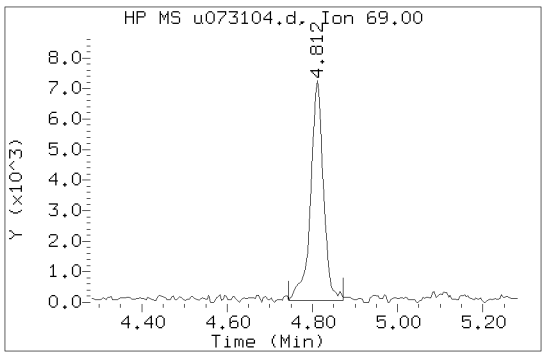
AFTER
MASS
84
AREA
17428
HEIGHT
6555
01-Aug-2023
21:03



BEFORE
MASS
69
AREA
15053
HEIGHT
7181
01-Aug-2023
21:03



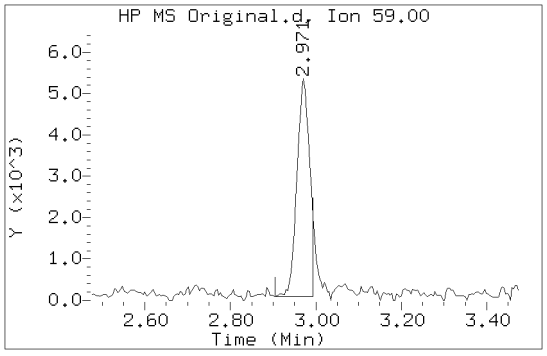
AFTER
MASS
69
AREA
15053
HEIGHT
7181
01-Aug-2023
21:03



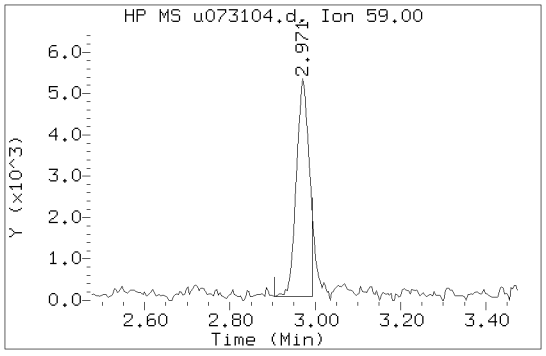
Tert-butyl alcohol (75-65-0)

Reason Code:

BEFORE
MASS
59
AREA
11049
HEIGHT
5265
01-Aug-2023
21:03



AFTER
MASS
59
AREA
11049
HEIGHT
5265
01-Aug-2023
21:03

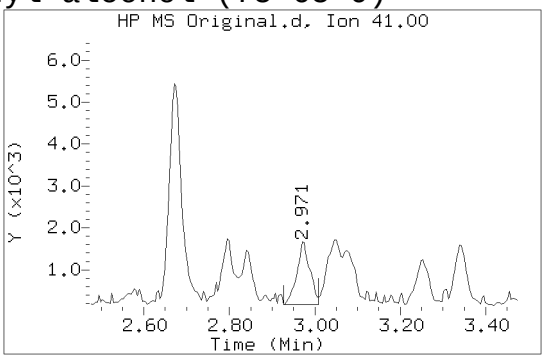


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LabSampID : VSTD001

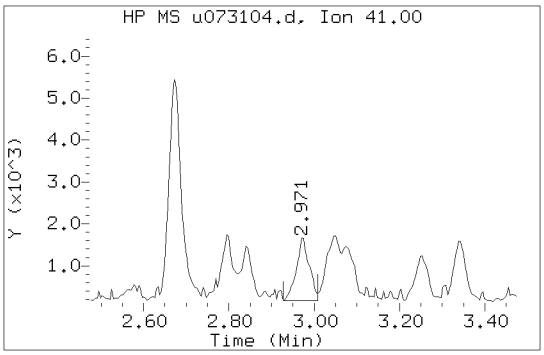
Tert-butyl alcohol (75-65-0)

Reason Code:

BEFORE
MASS
41
AREA
3230
HEIGHT
1503
01-Aug-2023
21:03



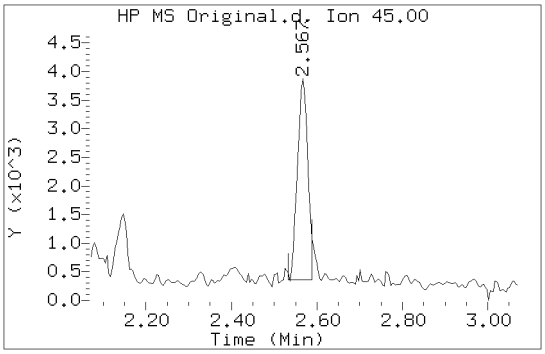
AFTER
MASS
41
AREA
3230
HEIGHT
1503
01-Aug-2023
21:03



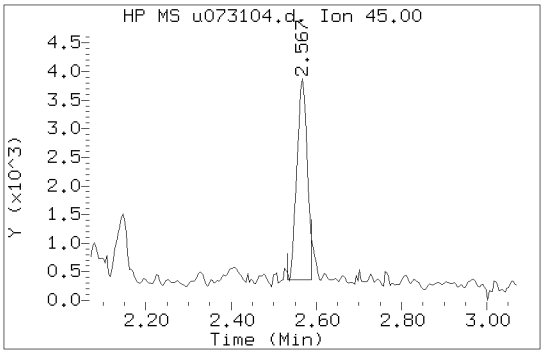
Isopropyl alcohol (67-63-0)

Reason Code:

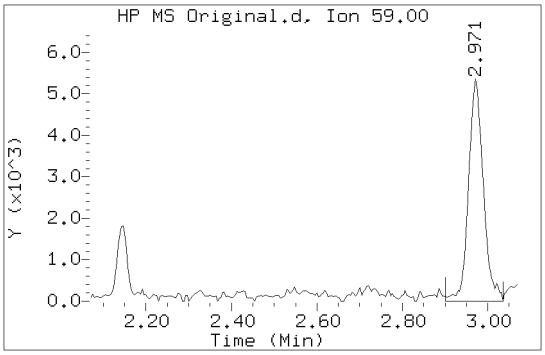
BEFORE
MASS
45
AREA
6059
HEIGHT
3513
01-Aug-2023
21:03



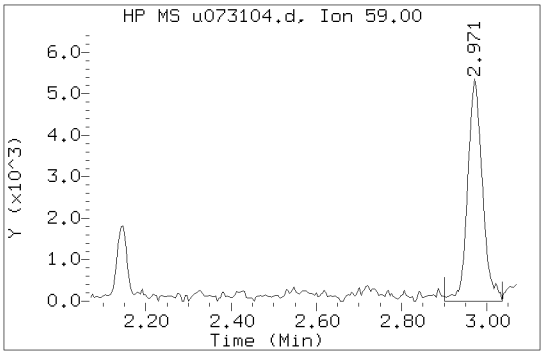
AFTER
MASS
45
AREA
6059
HEIGHT
3513
01-Aug-2023
21:03



BEFORE
MASS
59
AREA
12887
HEIGHT
5360
01-Aug-2023
21:03



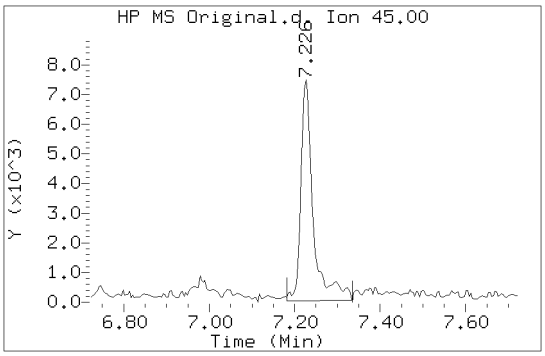
AFTER
MASS
59
AREA
12887
HEIGHT
5360
01-Aug-2023
21:03



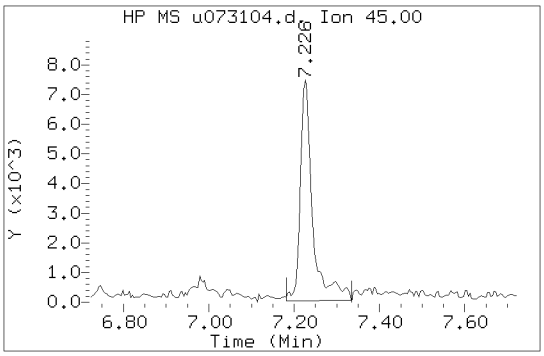
4-Methyl-2-pentanol (108-11-2)

Reason Code:

BEFORE
MASS
45
AREA
15329
HEIGHT
7450
01-Aug-2023
21:03



AFTER
MASS
45
AREA
15329
HEIGHT
7450
01-Aug-2023
21:03



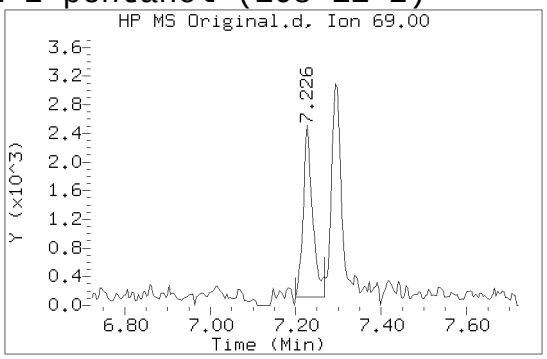
Data File : \\nahstws005\target\chem\voa9.i\u230731.b\u073104.d
Inj Date : 31-JUL-2023 12:37
InstruID : VOA9.i
LabSampID : VSTD001

4-Methyl-2-pentanol (108-11-2)

Reason Code:

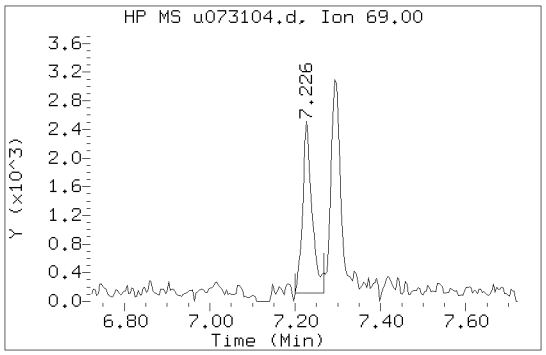
BEFORE

MASS
69
AREA
3745
HEIGHT
2396
01-Aug-2023
21:03



AFTER

MASS
69
AREA
3745
HEIGHT
2396
01-Aug-2023
21:03

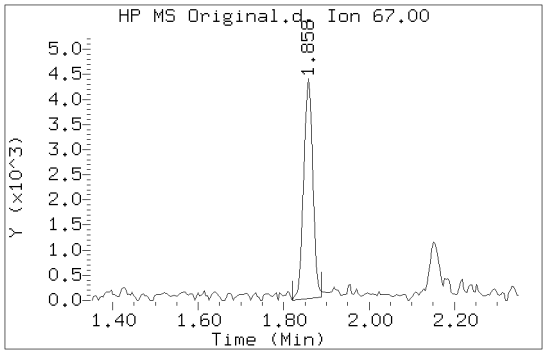


Dichlorofluoromethane (75-43-4)

Reason Code:

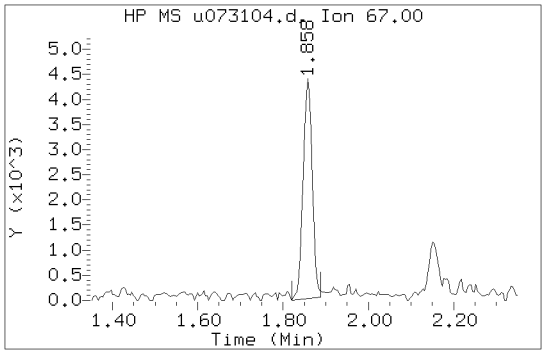
BEFORE

MASS
67
AREA
6714
HEIGHT
4377
01-Aug-2023
21:03



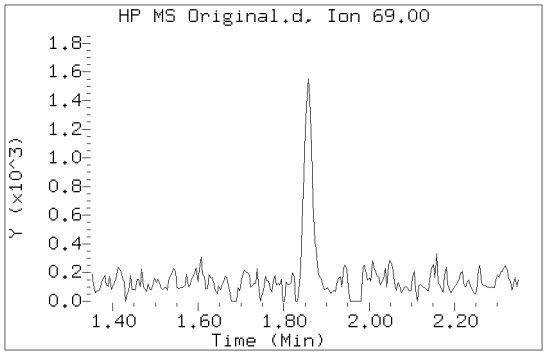
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01-Aug-2023
21:03



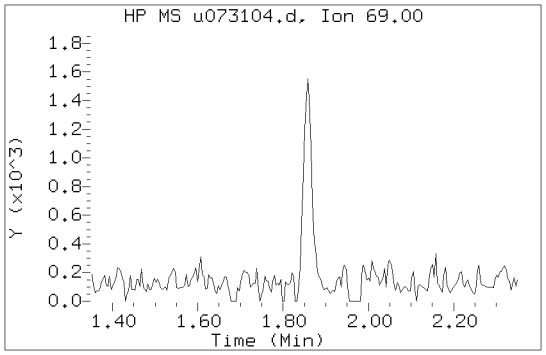
BEFORE

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HEIGHT
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01-Aug-2023
21:03



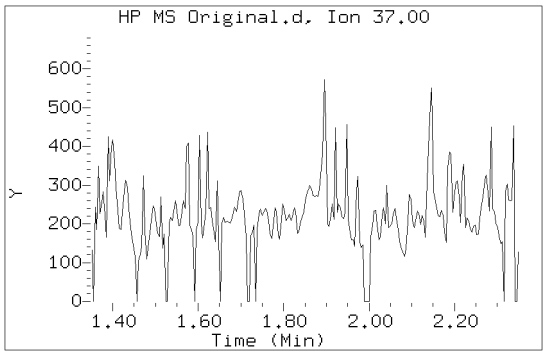
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01-Aug-2023
21:03



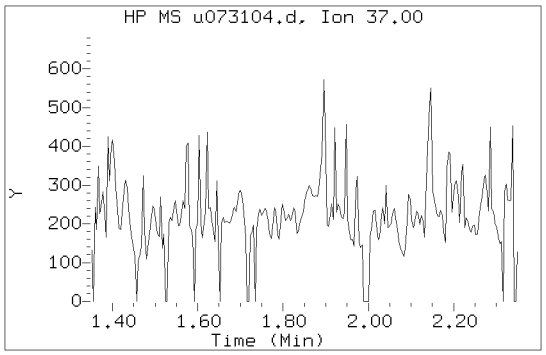
BEFORE

MASS
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01-Aug-2023
21:03



AFTER

MASS
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AREA
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HEIGHT
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01-Aug-2023
21:03

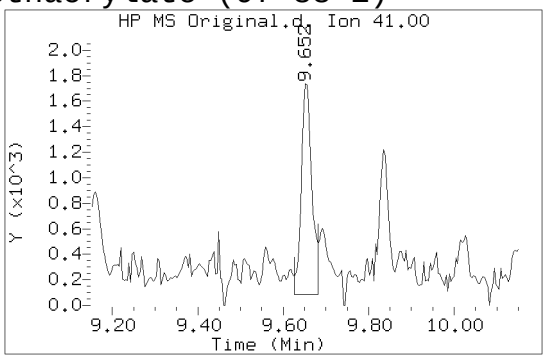


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InstruID : VOA9.i
LabSampID : VSTD001

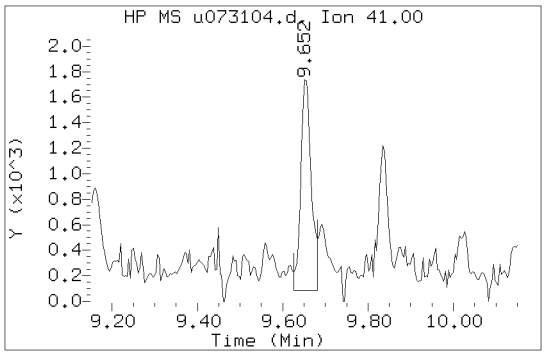
Butyl methacrylate (97-88-1)

Reason Code:

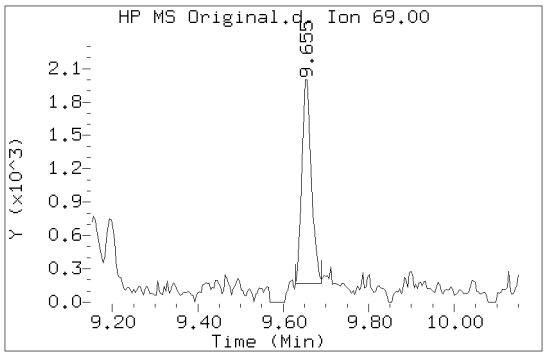
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AREA
2947
HEIGHT
1653
01-Aug-2023
21:03



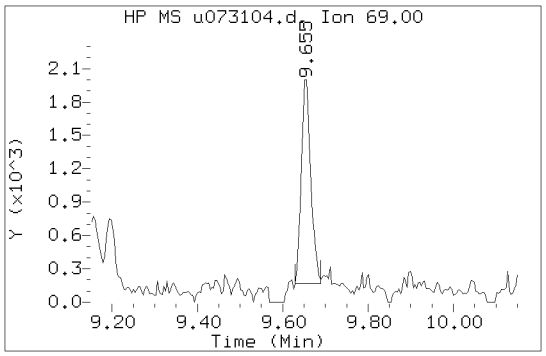
AFTER
MASS
41
AREA
2947
HEIGHT
1653
01-Aug-2023
21:03



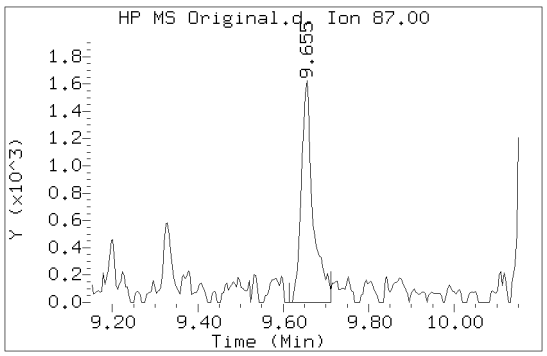
BEFORE
MASS
69
AREA
2894
HEIGHT
1829
01-Aug-2023
21:03



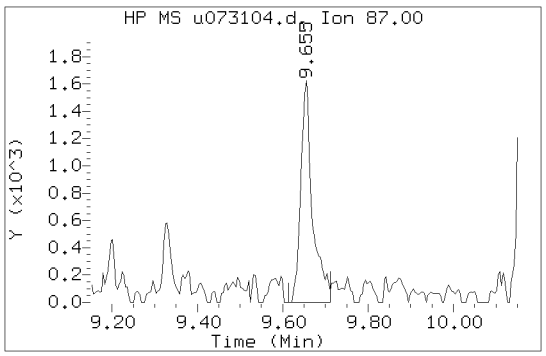
AFTER
MASS
69
AREA
2894
HEIGHT
1829
01-Aug-2023
21:03



BEFORE
MASS
87
AREA
3159
HEIGHT
1624
01-Aug-2023
21:03



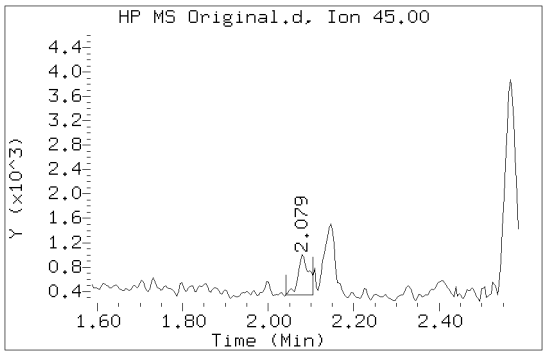
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3159
HEIGHT
1624
01-Aug-2023
21:03



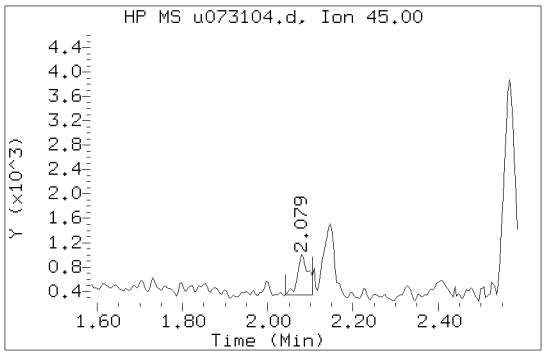
Ethanol (64-17-5)

Reason Code:

BEFORE
MASS
45
AREA
1210
HEIGHT
667
01-Aug-2023
21:03



AFTER
MASS
45
AREA
1210
HEIGHT
667
01-Aug-2023
21:03

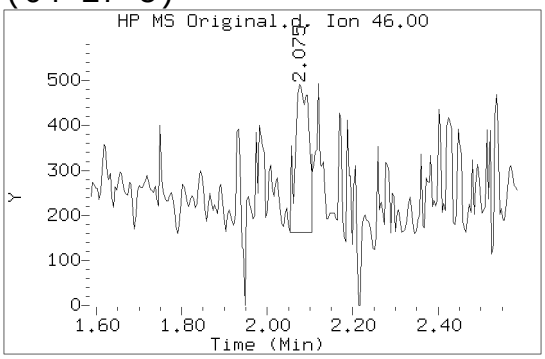


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InstruID : VOA9.i
LabSampID : VSTD001

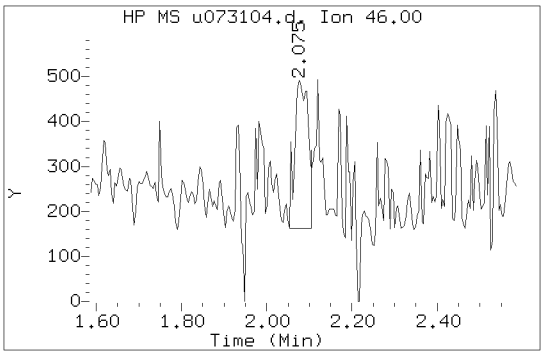
Ethanol (64-17-5)

Reason Code:

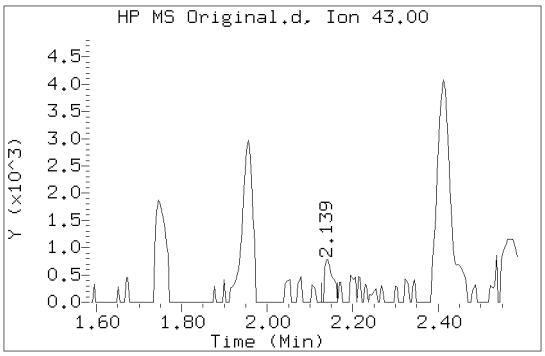
BEFORE
MASS
46
AREA
740
HEIGHT
329
01-Aug-2023
21:03



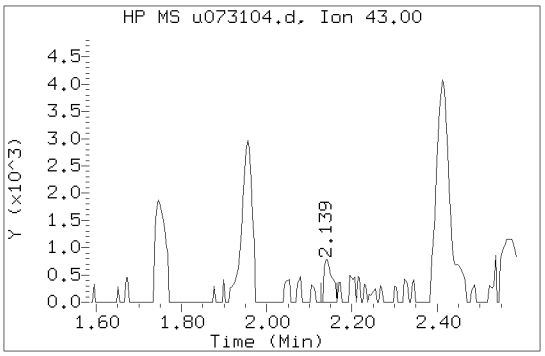
AFTER
MASS
46
AREA
740
HEIGHT
329
01-Aug-2023
21:03



BEFORE
MASS
43
AREA
1006
HEIGHT
778
01-Aug-2023
21:03



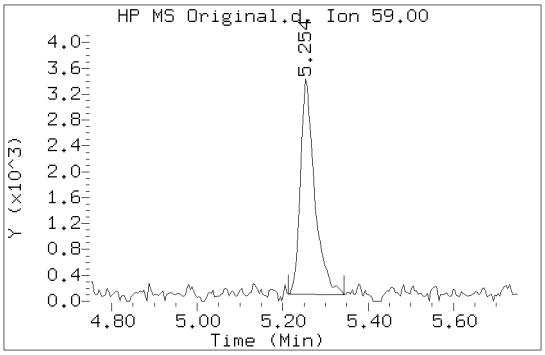
AFTER
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43
AREA
1006
HEIGHT
778
01-Aug-2023
21:03



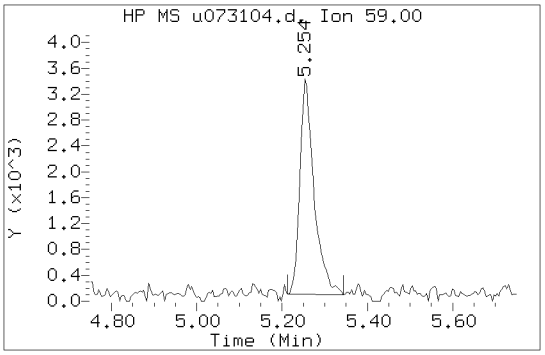
tert-Butyl formate (762-75-4)

Reason Code:

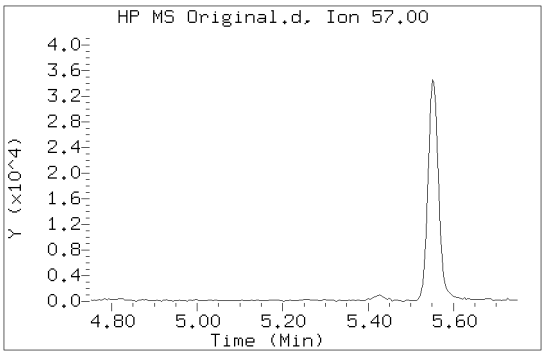
BEFORE
MASS
59
AREA
7783
HEIGHT
3329
01-Aug-2023
21:03



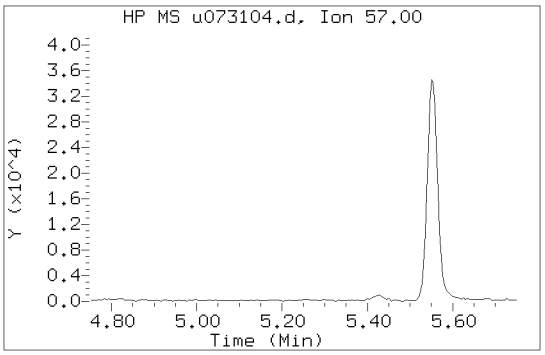
AFTER
MASS
59
AREA
7783
HEIGHT
3329
01-Aug-2023
21:03



BEFORE
MASS
57
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER
MASS
57
AREA
0
HEIGHT
0
01-Aug-2023
21:03

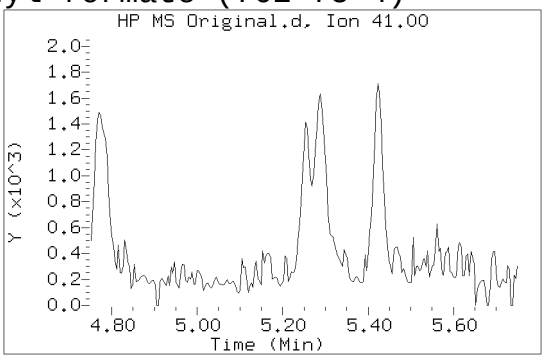


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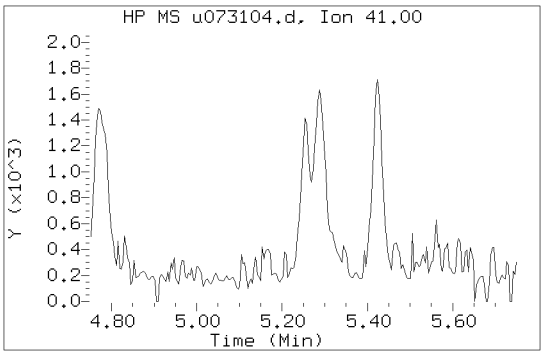
tert-Butyl formate (762-75-4)

Reason Code:

BEFORE
MASS
41
AREA
0
HEIGHT
0
01-Aug-2023
21:03



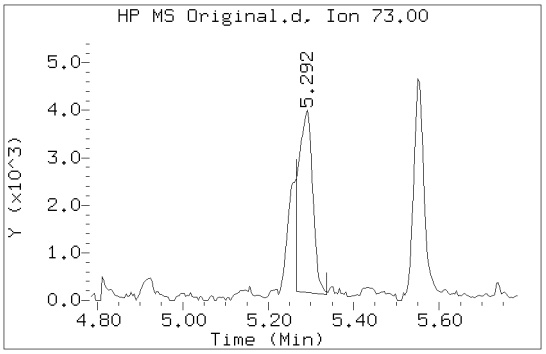
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01-Aug-2023
21:03



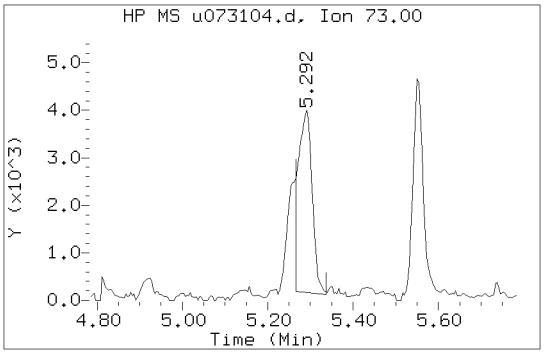
tert-Amyl methyl ether (974-05-08)

Reason Code:

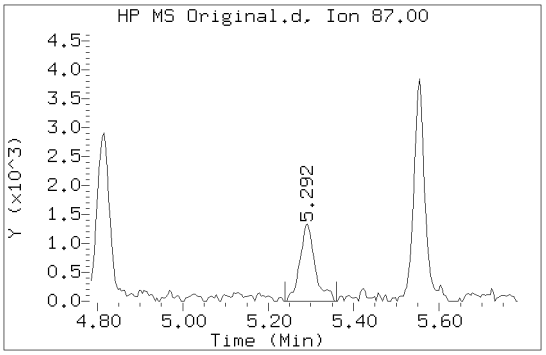
BEFORE
MASS
73
AREA
8905
HEIGHT
3846
01-Aug-2023
21:03



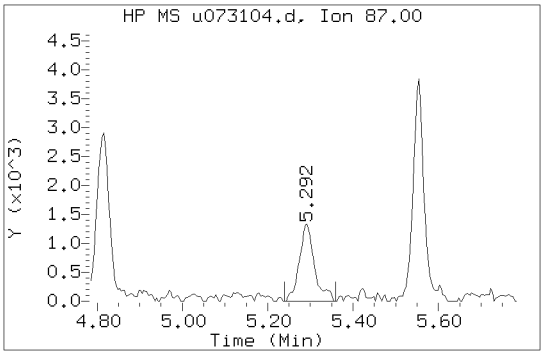
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HEIGHT
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01-Aug-2023
21:03



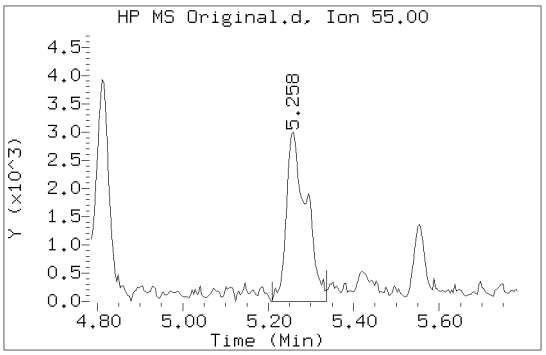
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MASS
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AREA
3350
HEIGHT
1337
01-Aug-2023
21:03



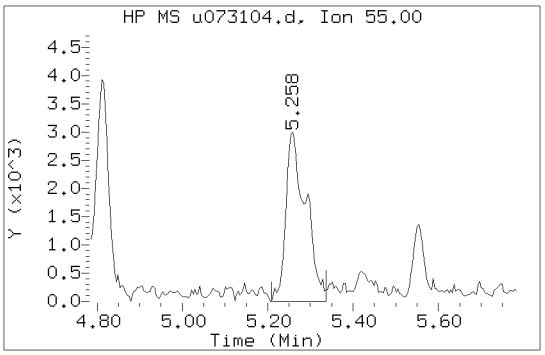
AFTER
MASS
87
AREA
3350
HEIGHT
1337
01-Aug-2023
21:03



BEFORE
MASS
55
AREA
9835
HEIGHT
2995
01-Aug-2023
21:03



AFTER
MASS
55
AREA
9835
HEIGHT
2995
01-Aug-2023
21:03

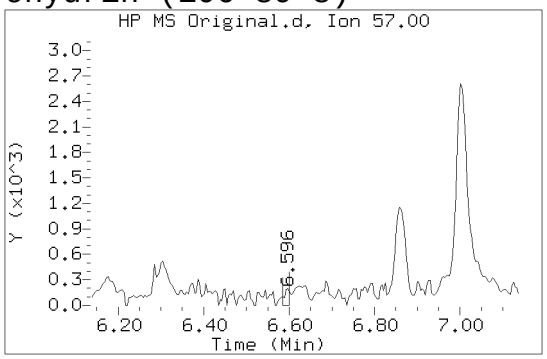


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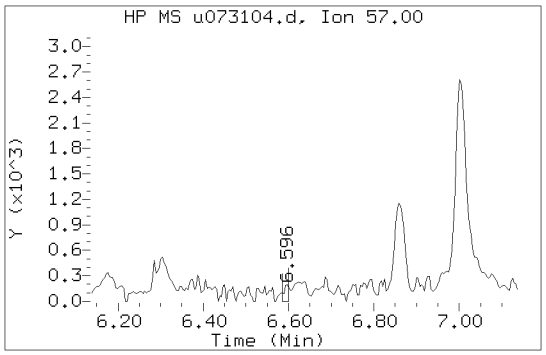
Epichlorohydrin (106-89-8)

Reason Code:

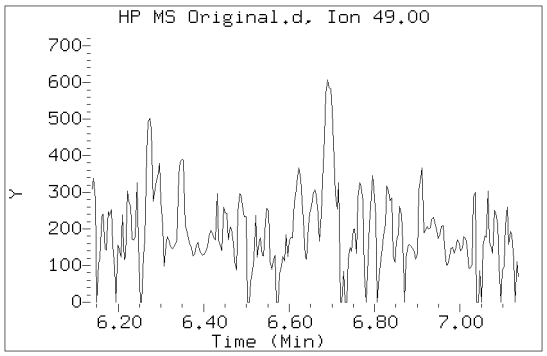
BEFORE
MASS
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AREA
166
HEIGHT
196
01-Aug-2023
21:03



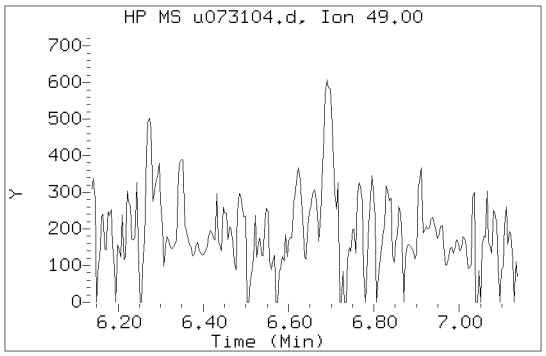
AFTER
MASS
57
AREA
166
HEIGHT
196
01-Aug-2023
21:03



BEFORE
MASS
49
AREA
0
HEIGHT
0
01-Aug-2023
21:03



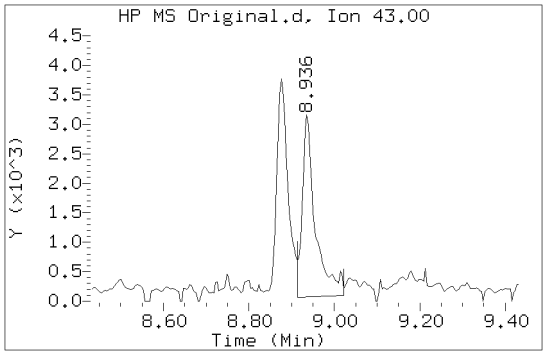
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49
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HEIGHT
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01-Aug-2023
21:03



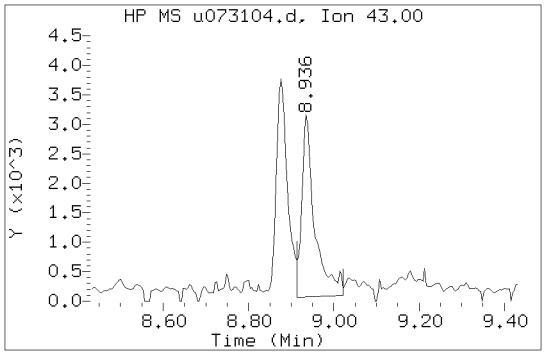
n-Amyl acetate (628-63-7)

Reason Code:

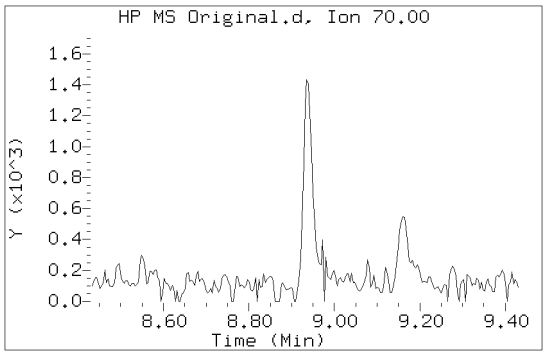
BEFORE
MASS
43
AREA
6745
HEIGHT
3088
01-Aug-2023
21:03



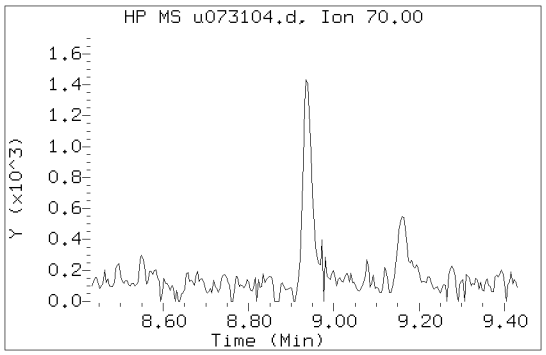
AFTER
MASS
43
AREA
6745
HEIGHT
3088
01-Aug-2023
21:03



BEFORE
MASS
70
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER
MASS
70
AREA
0
HEIGHT
0
01-Aug-2023
21:03

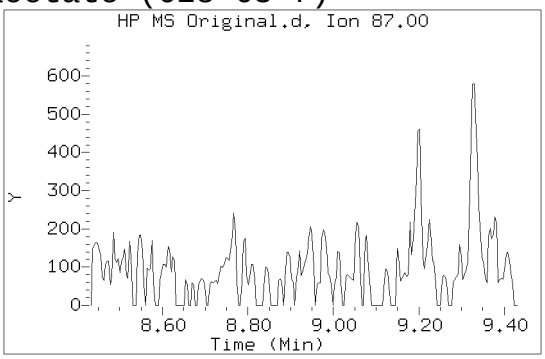


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LabSampID : VSTD001

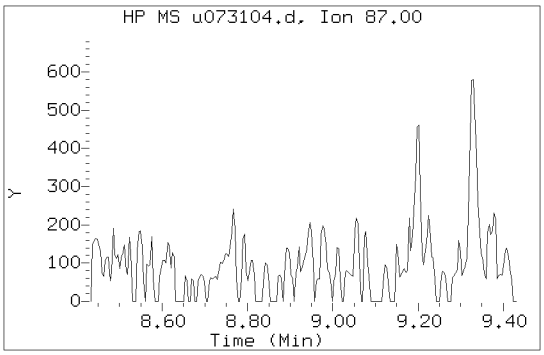
n-Amyl acetate (628-63-7)

Reason Code:

BEFORE
MASS
87
AREA
0
HEIGHT
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01-Aug-2023
21:03



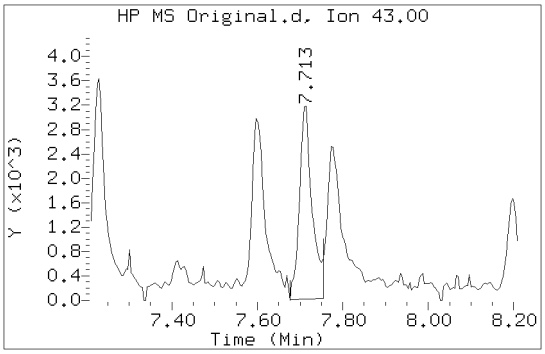
AFTER
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HEIGHT
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01-Aug-2023
21:03



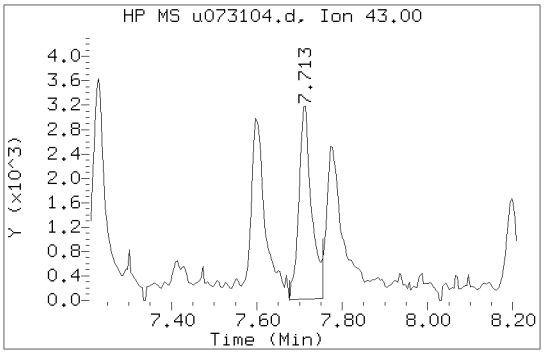
n-Butyl acetate (123-86-4)

Reason Code:

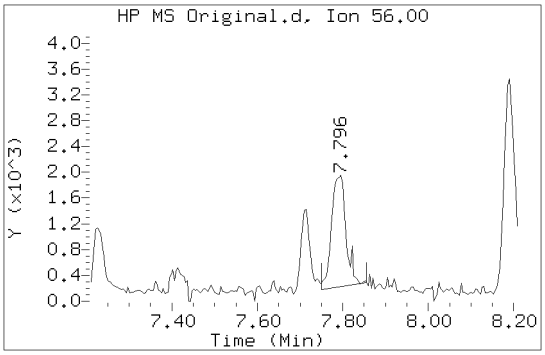
BEFORE
MASS
43
AREA
6708
HEIGHT
3156
01-Aug-2023
21:03



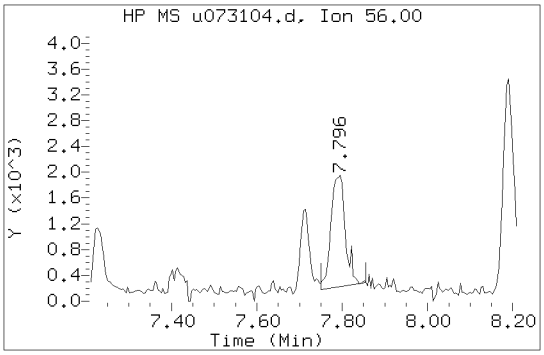
AFTER
MASS
43
AREA
6708
HEIGHT
3156
01-Aug-2023
21:03



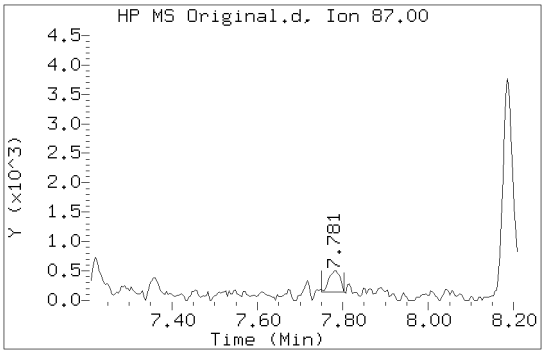
BEFORE
MASS
56
AREA
4039
HEIGHT
1726
01-Aug-2023
21:03



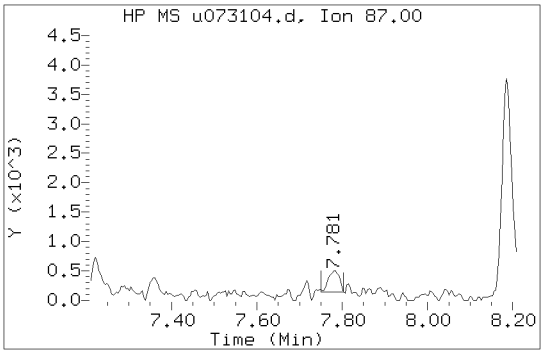
AFTER
MASS
56
AREA
4039
HEIGHT
1726
01-Aug-2023
21:03



BEFORE
MASS
87
AREA
660
HEIGHT
367
01-Aug-2023
21:03



AFTER
MASS
87
AREA
660
HEIGHT
367
01-Aug-2023
21:03

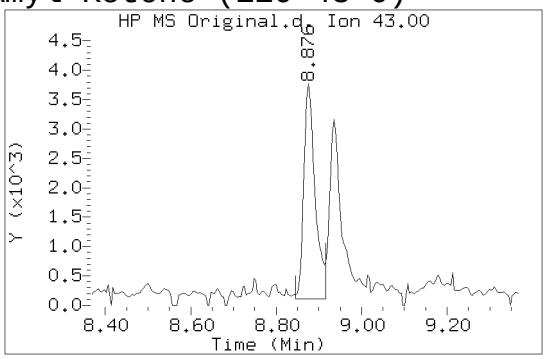


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Inj Date : 31-JUL-2023 12:37
InstruID : VOA9.i
LabSampID : VSTD001

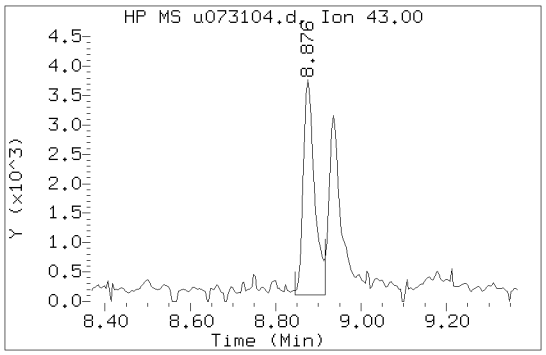
Methyl Amyl Ketone (110-43-0)

Reason Code:

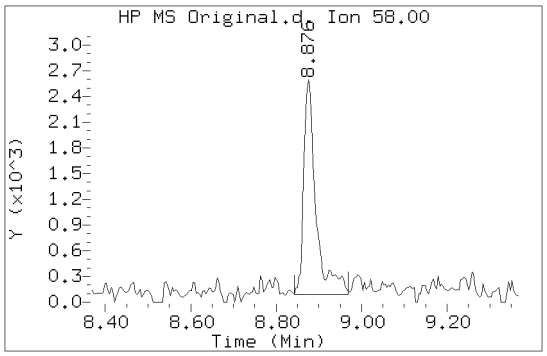
BEFORE
MASS
43
AREA
6882
HEIGHT
3661
01-Aug-2023
21:03



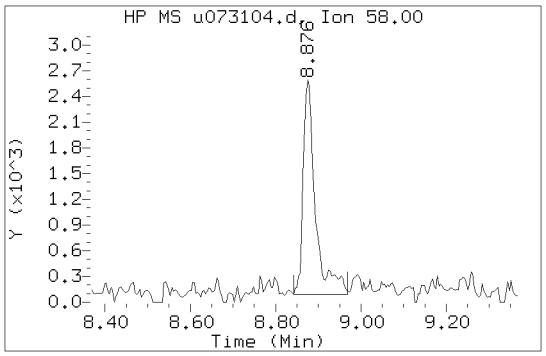
AFTER
MASS
43
AREA
6882
HEIGHT
3661
01-Aug-2023
21:03



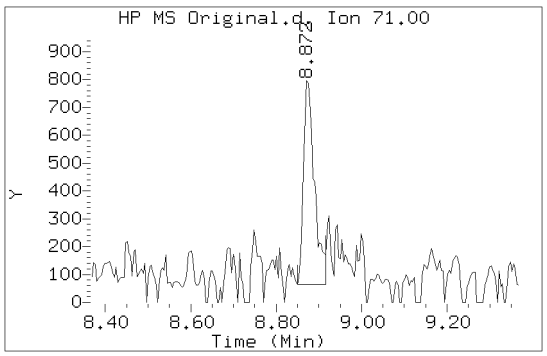
BEFORE
MASS
58
AREA
5031
HEIGHT
2504
01-Aug-2023
21:03



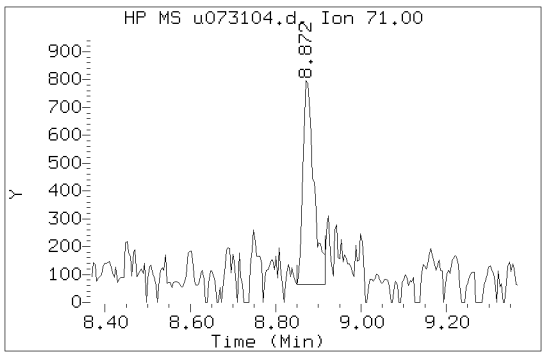
AFTER
MASS
58
AREA
5031
HEIGHT
2504
01-Aug-2023
21:03



BEFORE
MASS
71
AREA
1320
HEIGHT
732
01-Aug-2023
21:03



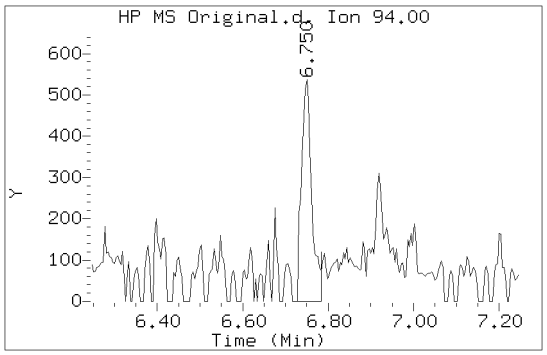
AFTER
MASS
71
AREA
1320
HEIGHT
732
01-Aug-2023
21:03



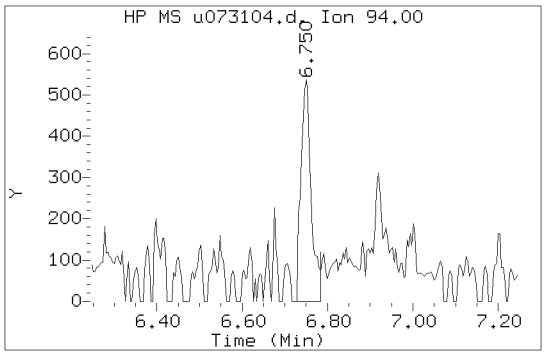
Dimethyl Disulfide (624-92-0)

Reason Code:

BEFORE
MASS
94
AREA
917
HEIGHT
537
01-Aug-2023
21:03



AFTER
MASS
94
AREA
917
HEIGHT
537
01-Aug-2023
21:03

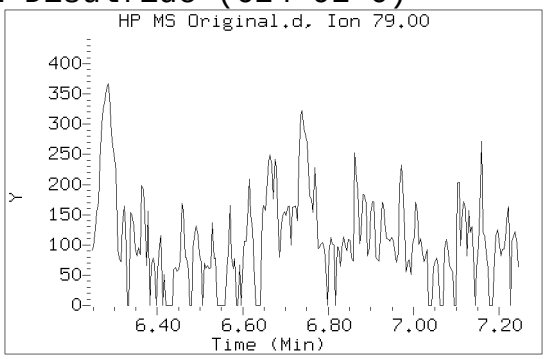


Data File : \\nahstws005\target\chem\voa9.i\u230731.b\u073104.d
Inj Date : 31-JUL-2023 12:37
InstruID : VOA9.i
LabSampID : VSTD001

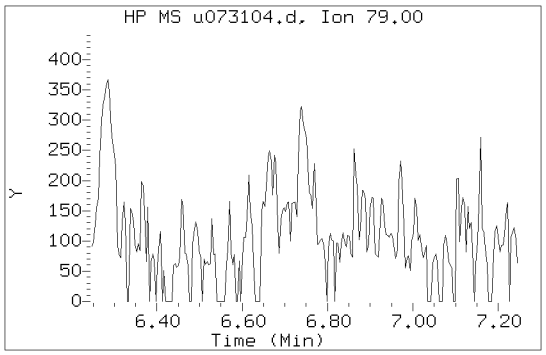
Dimethyl Disulfide (624-92-0)

Reason Code:

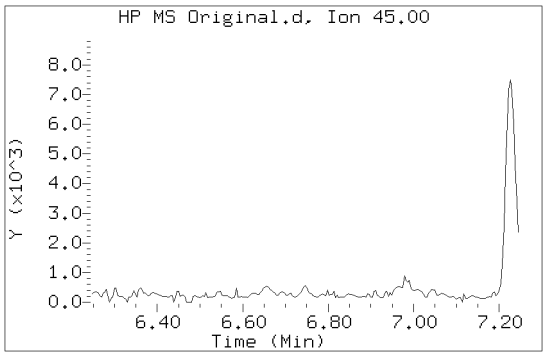
BEFORE
MASS
79
AREA
0
HEIGHT
0
01-Aug-2023
21:03



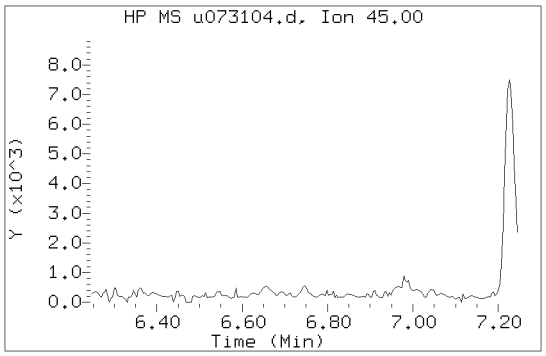
AFTER
MASS
79
AREA
0
HEIGHT
0
01-Aug-2023
21:03



BEFORE
MASS
45
AREA
0
HEIGHT
0
01-Aug-2023
21:03



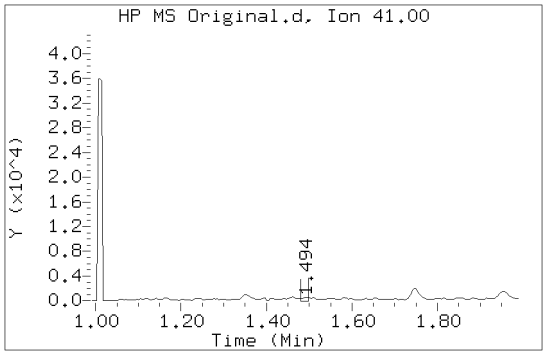
AFTER
MASS
45
AREA
0
HEIGHT
0
01-Aug-2023
21:03



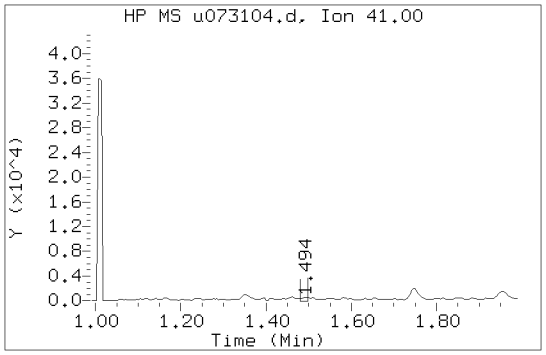
Isobutylene (115-11-7)

Reason Code:

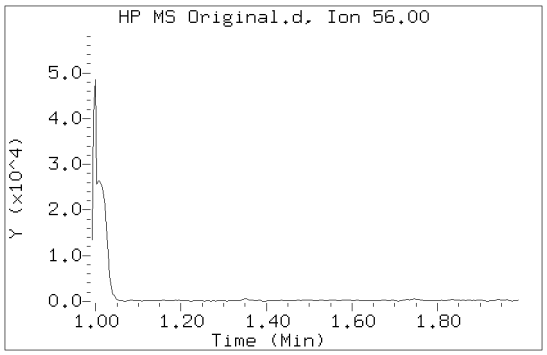
BEFORE
MASS
41
AREA
696
HEIGHT
630
01-Aug-2023
21:03



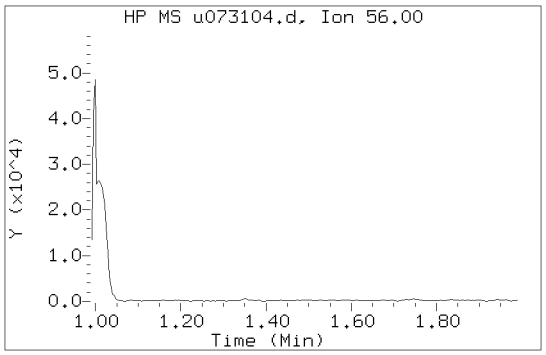
AFTER
MASS
41
AREA
696
HEIGHT
630
01-Aug-2023
21:03



BEFORE
MASS
56
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER
MASS
56
AREA
0
HEIGHT
0
01-Aug-2023
21:03

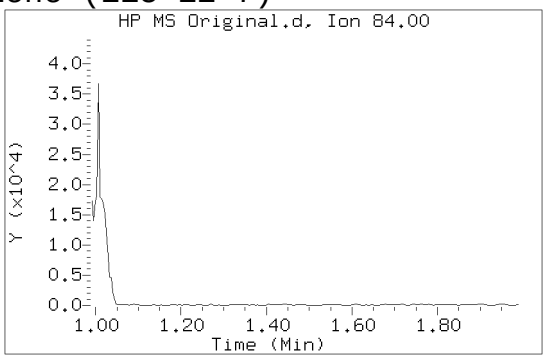


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Inj Date : 31-JUL-2023 12:37
InstruID : VOA9.i
LabSampID : VSTD001

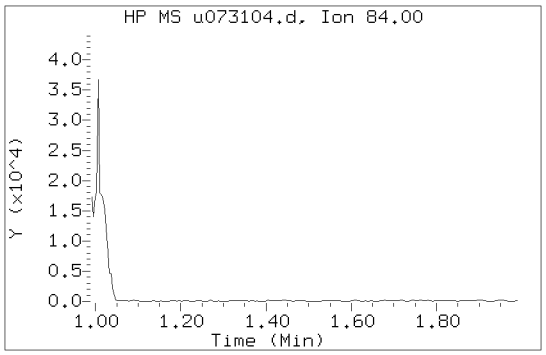
Isobutylene (115-11-7)

Reason Code:

BEFORE
MASS
84
AREA
0
HEIGHT
0
01-Aug-2023
21:03



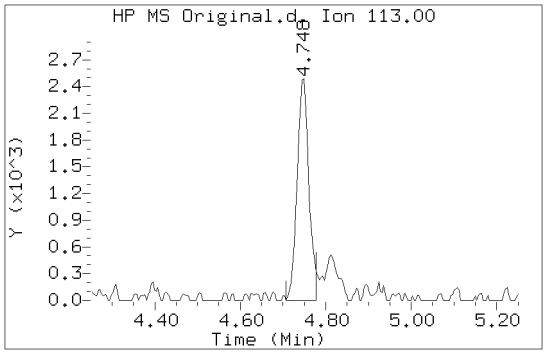
AFTER
MASS
84
AREA
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HEIGHT
0
01-Aug-2023
21:03



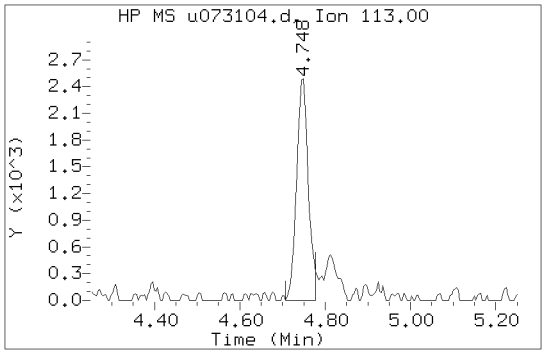
Dibromofluoromethane (1868-53-7)

Reason Code:

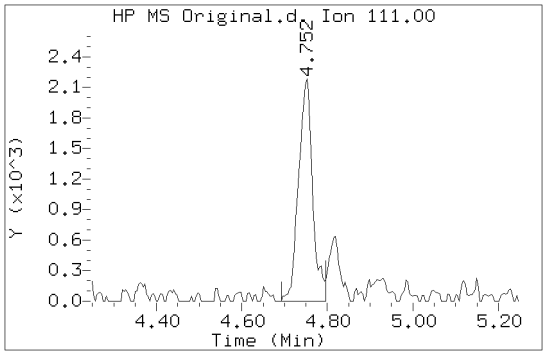
BEFORE
MASS
113
AREA
4835
HEIGHT
2488
01-Aug-2023
21:03



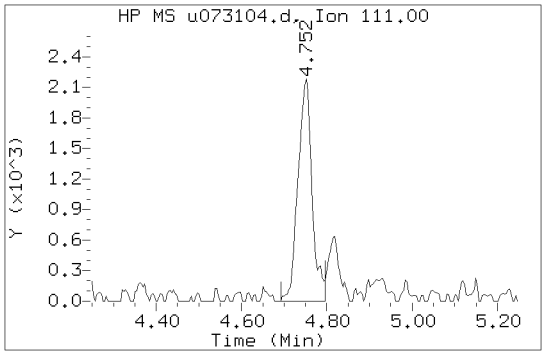
AFTER
MASS
113
AREA
4835
HEIGHT
2488
01-Aug-2023
21:03



BEFORE
MASS
111
AREA
5108
HEIGHT
2184
01-Aug-2023
21:03



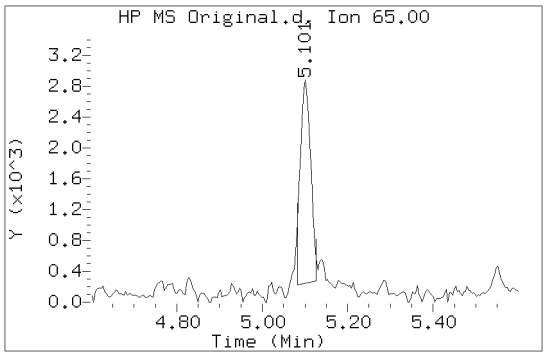
AFTER
MASS
111
AREA
5108
HEIGHT
2184
01-Aug-2023
21:03



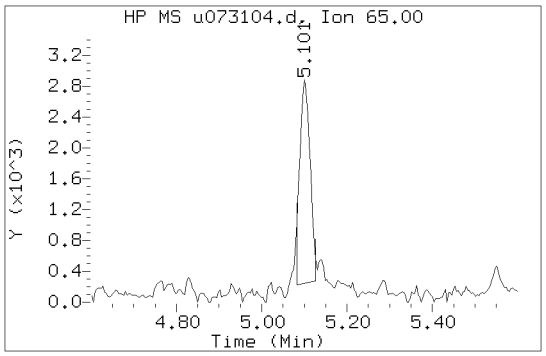
1,2-Dichloroethane-d4 (17060-07-0)

Reason Code:

BEFORE
MASS
65
AREA
4638
HEIGHT
2638
01-Aug-2023
21:03



AFTER
MASS
65
AREA
4638
HEIGHT
2638
01-Aug-2023
21:03

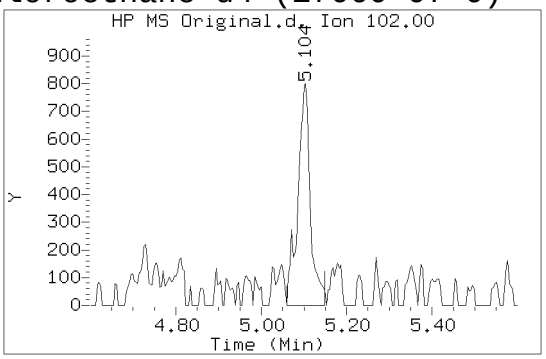


Data File : \\nahstws005\target\chem\voa9.i\u230731.b\u073104.d
Inj Date : 31-JUL-2023 12:37
InstruID : VOA9.i
LabSampID : VSTD001

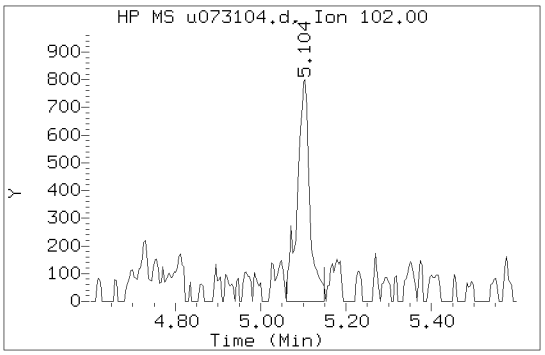
1,2-Dichloroethane-d4 (17060-07-0)

Reason Code:

BEFORE
MASS
102
AREA
1668
HEIGHT
800
01-Aug-2023
21:03



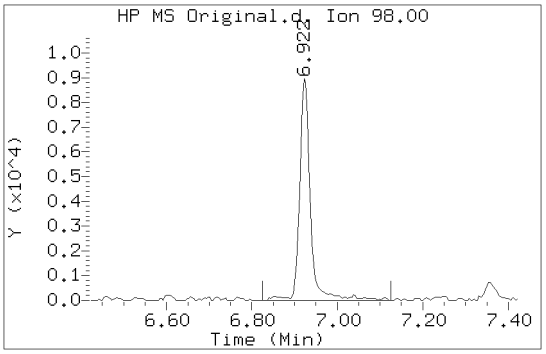
AFTER
MASS
102
AREA
1668
HEIGHT
800
01-Aug-2023
21:03



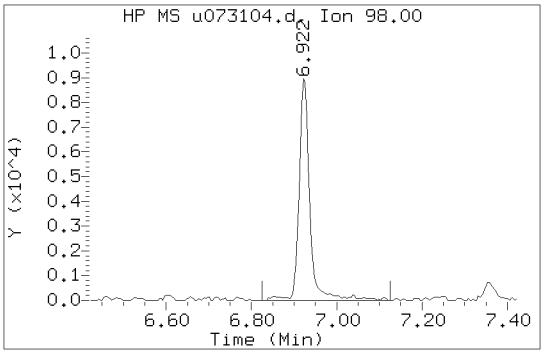
Toluene-d8 (2037-26-5)

Reason Code:

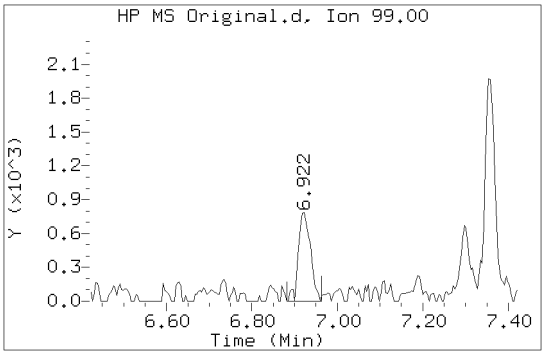
BEFORE
MASS
98
AREA
16097
HEIGHT
8958
01-Aug-2023
21:03



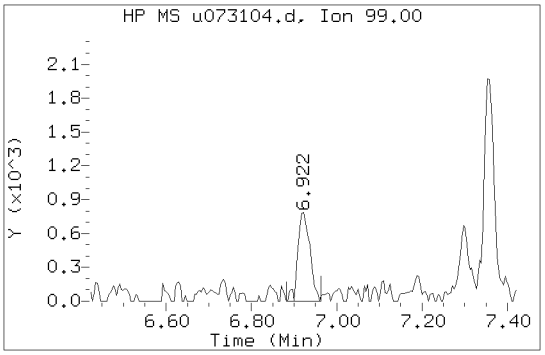
AFTER
MASS
98
AREA
16097
HEIGHT
8958
01-Aug-2023
21:03



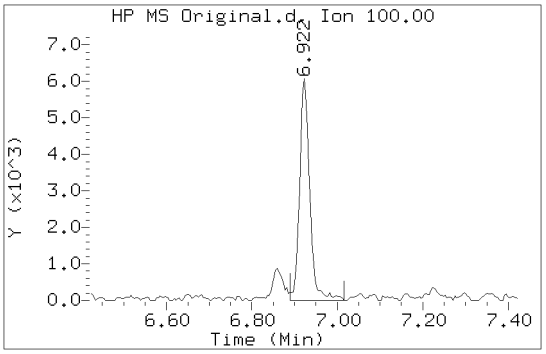
BEFORE
MASS
99
AREA
1600
HEIGHT
785
01-Aug-2023
21:03



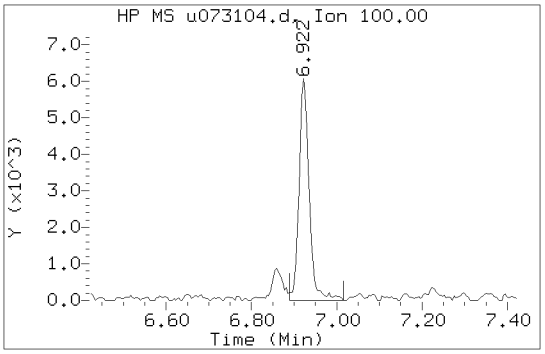
AFTER
MASS
99
AREA
1600
HEIGHT
785
01-Aug-2023
21:03



BEFORE
MASS
100
AREA
10219
HEIGHT
6074
01-Aug-2023
21:03



AFTER
MASS
100
AREA
10219
HEIGHT
6074
01-Aug-2023
21:03



Data File: \\NAHSTWS005\Target\chem\voa9.i\U230731.b\U073105.D Page 1
Report Date: 07-Aug-2023 11:14

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230731.b\U073105.D
Lab Smp Id: VSTD002 Client Smp ID: VSTD002
Inj Date : 31-JUL-2023 12:59
Operator : PC Inst ID: VOA9.i
Smp Info : VSTD002;VSTD002;1;4;
Misc Info : V9;WATER;0;1;
Comment :
Method : \\NAHSTWS005\Target\chem\voa9.i\U230731.b\8260C.m
Meth Date : 07-Aug-2023 11:14 VOA9.i Quant Type: ISTD
Cal Date : 31-JUL-2023 12:37 Cal File: U073104.D
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 08260V9.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
* 1	Pentafluorobenzene	168	4.811	4.811	(1.000)	468693	50.0000	
2	Dichlorodifluoromethane	85	1.156	1.156	(0.240)	8215	2.00000	3.04
3	Chloromethane	50	1.291	1.291	(0.268)	13283	2.00000	2.08
5	Vinyl Chloride	62	1.370	1.370	(0.285)	8971	2.00000	1.94
6	Bromomethane	94	1.614	1.614	(0.335)	6564	2.00000	1.08(M)
7	Chloroethane	64	1.692	1.692	(0.352)	5305	2.00000	1.82(M)
8	Trichlorofluoromethane	101	1.884	1.884	(0.392)	10610	2.00000	1.86
9	Acrolein	56	1.741	1.741	(0.362)	1238	4.00000	4.11(M)
10	Acetone	43	2.405	2.405	(0.500)	11936	4.00000	0.62
11	1,1-Dichloroethene	96	2.322	2.322	(0.483)	5674	2.00000	1.83
15	Iodomethane	142	2.457	2.457	(0.511)	7768	4.00000	6.08
16	Acrylonitrile	53	3.061	3.061	(0.636)	5578	4.00000	3.78
17	Methylene Chloride	84	2.783	2.783	(0.579)	8023	2.00000	1.95(M)
18	Methyl tert-butyl ether	73	3.076	3.076	(0.639)	18902	2.00000	1.98
19	Carbon Disulfide	76	2.510	2.510	(0.522)	32799	4.00000	3.64
20	trans-1,2-Dichloroethene	96	3.050	3.050	(0.634)	6510	2.00000	1.88
21	Vinyl Acetate	43	3.604	3.604	(0.749)	35593	4.00000	3.59
22	1,1-Dichloroethane	63	3.507	3.507	(0.729)	13022	2.00000	2.05
24	2-Butanone	43	4.264	4.264	(0.886)	8816	4.00000	4.78
26	2,2-Dichloropropane	77	4.174	4.174	(0.868)	7870	2.00000	1.80

27 cis-1,2-Dichloroethene	96	4.189	4.189 (0.871)	7981	2.00000	2.06
28 Chloroform	83	4.564	4.564 (0.949)	15193	2.00000	2.06

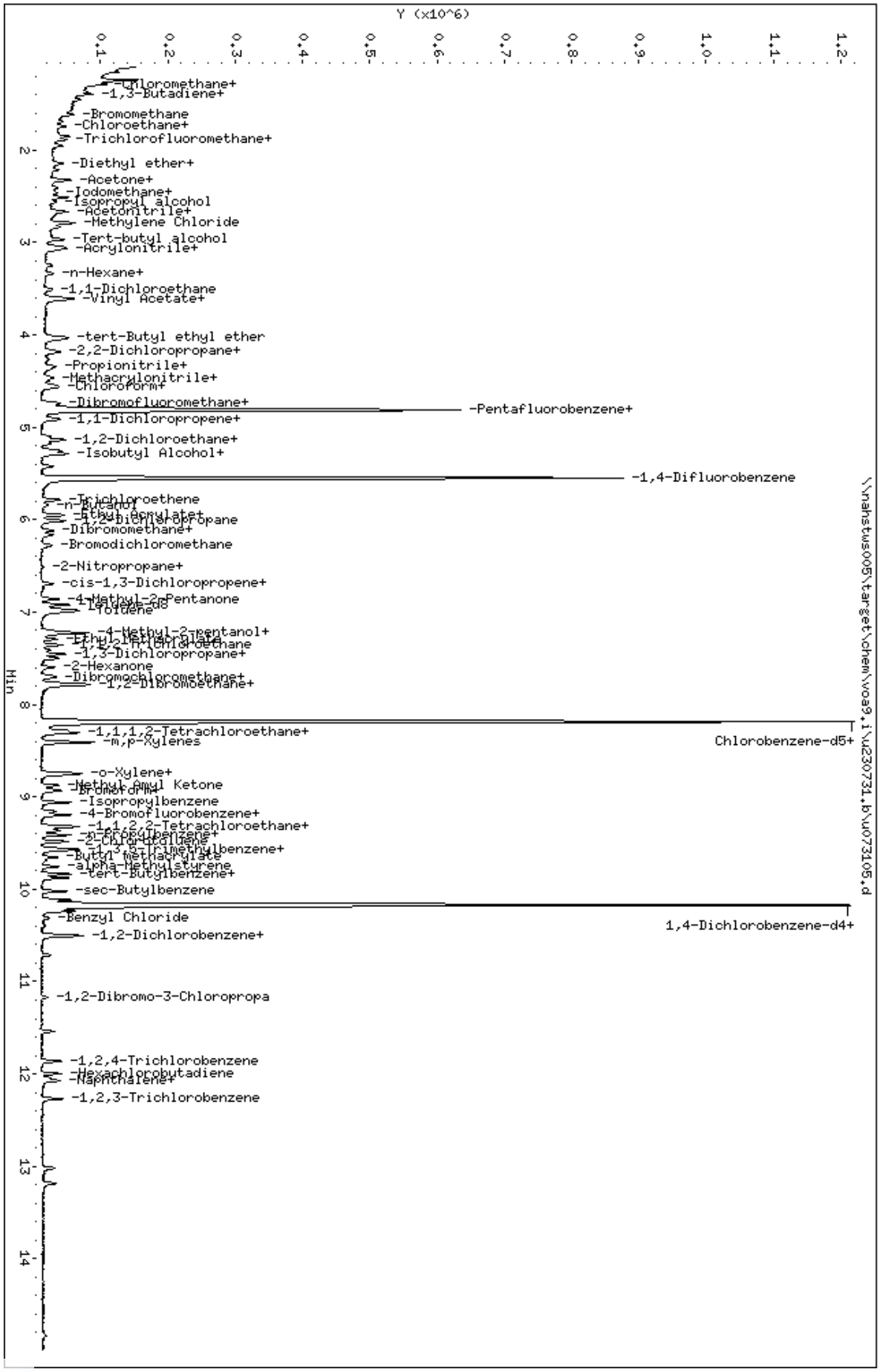
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	29 Bromochloromethane	128	4.463	4.463	(0.928)	5201	2.00000	2.27
$	30 Dibromofluoromethane	113	4.744	4.744	(0.986)	7770	2.00000	1.11
	31 1,1,1-Trichloroethane	97	4.736	4.736	(0.984)	11394	2.00000	1.98
	32 1,1-Dichloropropene	75	4.916	4.916	(0.886)	8773	2.00000	1.75
	33 1,2-Dichloroethane	62	5.175	5.175	(0.932)	11573	2.00000	1.99
	34 Carbon Tetrachloride	117	4.905	4.905	(0.884)	8430	2.00000	1.87(M)
$	35 1,2-Dichloroethane-d4	65	5.096	5.096	(1.059)	8650	2.00000	0.83(M)
*	36 1,4-Difluorobenzene	114	5.550	5.550	(1.000)	674189	50.0000	
	37 Benzene	78	5.134	5.134	(0.925)	31991	2.00000	1.94
	38 Trichloroethene	130	5.786	5.786	(1.043)	9675	2.00000	2.07
	39 Bromodichloromethane	83	6.277	6.277	(1.131)	10489	2.00000	1.99
	41 2-Chloroethylvinyl ether	63	6.558	6.558	(1.182)	335	4.00000	3.33(M)
	42 1,2-Dichloropropane	63	6.007	6.007	(1.082)	8542	2.00000	1.93
	44 Dibromomethane	93	6.120	6.120	(1.103)	6092	2.00000	2.14
	45 4-Methyl-2-Pentanone	43	6.858	6.858	(0.838)	18125	4.00000	3.76
	46 cis-1,3-Dichloropropene	75	6.689	6.689	(1.205)	9984	2.00000	3.62
*	47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	646240	50.0000	
$	48 Toluene-d8	98	6.922	6.922	(0.846)	27056	2.00000	1.80(M)
	50 Toluene	91	6.982	6.982	(0.853)	30341	2.00000	1.72
	51 trans-1,3-Dichloropropene	75	7.199	7.199	(1.297)	8865	2.00000	1.74(M)
	52 2-Hexanone	43	7.597	7.597	(0.928)	12966	4.00000	4.07
	53 1,1,2-Trichloroethane	83	7.357	7.357	(0.899)	7548	2.00000	2.00
	54 1,3-Dichloropropane	76	7.499	7.499	(0.916)	14778	2.00000	1.91
	55 Dibromochloromethane	129	7.690	7.690	(0.940)	7857	2.00000	1.70
	56 Tetrachloroethene	164	7.454	7.454	(0.911)	8155	2.00000	1.90
	57 1,2-Dibromoethane	107	7.784	7.784	(0.951)	8420	2.00000	1.85
	58 1-Chlorohexane	55	8.193	8.193	(1.476)	7024	2.00000	1.99(M)
	59 Chlorobenzene	112	8.208	8.208	(1.003)	24937	2.00000	2.00
	60 1,1,1,2-Tetrachloroethane	131	8.283	8.283	(1.012)	8228	2.00000	1.81
	61 Ethylbenzene	106	8.305	8.305	(1.015)	9991	2.00000	1.77
	62 m,p-Xylenes	106	8.410	8.410	(1.027)	21620	4.00000	3.26
	63 o-Xylene	106	8.748	8.748	(1.069)	10538	2.00000	1.62
	64 Styrene	104	8.763	8.763	(1.071)	16730	2.00000	1.65(M)
	66 Bromoform	173	8.920	8.920	(1.090)	6380	2.00000	1.97
	67 Isopropylbenzene	105	9.062	9.062	(1.107)	26994	2.00000	1.72
	68 1,1,2,2-Tetrachloroethane	83	9.329	9.329	(0.917)	14362	2.00000	2.21
$	69 4-Bromofluorobenzene	95	9.194	9.194	(1.123)	12870	2.00000	0.86
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	336159	50.0000	
	71 1,2,3-Trichloropropane	75	9.362	9.362	(0.920)	11095	2.00000	1.96
	73 n-Propylbenzene	91	9.411	9.411	(0.925)	26996	2.00000	3.02
	74 Bromobenzene	156	9.317	9.317	(0.916)	10989	2.00000	1.97
	75 1,3,5-Trimethylbenzene	105	9.561	9.561	(0.940)	20476	2.00000	1.74
	76 2-Chlorotoluene	91	9.482	9.482	(0.932)	22346	2.00000	1.88
	77 4-Chlorotoluene	91	9.576	9.576	(0.941)	24006	2.00000	1.81
	78 tert-Butylbenzene	119	9.835	9.835	(0.967)	19034	2.00000	1.71
	79 1,2,4-Trimethylbenzene	105	9.880	9.880	(0.971)	21418	2.00000	1.80
	81 sec-Butylbenzene	105	10.022	10.022	(0.985)	23804	2.00000	1.48(M)
	82 p-Isopropyltoluene	119	10.146	10.146	(0.997)	21012	2.00000	1.56(M)
	83 1,3-Dichlorobenzene	146	10.116	10.116	(0.994)	17878	2.00000	1.92
	84 1,4-Dichlorobenzene	146	10.191	10.191	(1.002)	21697	2.00000	2.10
	87 n-Butylbenzene	91	10.494	10.494	(1.032)	17310	2.00000	3.84(M)
	88 1,2-Dichlorobenzene	146	10.506	10.506	(1.033)	19465	2.00000	2.04

89	1,2-Dibromo-3-Chloropropane	155	11.169	11.169 (1.098)	1852	2.00000	1.98
90	1,2,4-Trichlorobenzene	180	11.863	11.863 (1.166)	9772	2.00000	1.66

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	91 Hexachlorobutadiene	225	11.998	11.998	(1.179)	5519	2.00000	1.68(M)
	92 Naphthalene	128	12.073	12.073	(1.187)	22645	2.00000	3.00
	93 1,2,3-Trichlorobenzene	180	12.271	12.271	(1.206)	11209	2.00000	1.87
M	94 1,2-Dichloroethylene (total)	96				14491	4.00000	
M	95 Xylenes (total)	106				32158	6.00000	
	135 1,4-Dioxane	88	6.172	6.172	(1.283)	2926	40.0000	43.54(M)
	141 Cyclohexane	56	4.778	4.778	(0.993)	10228	2.00000	1.94(M)
	138 Freon TF	101	2.326	2.326	(0.483)	5602	2.00000	1.40
	140 1,3-Butadiene	54	1.393	1.393	(0.290)	7226	2.00000	1.93
	147 Methylcyclohexane	55	5.947	5.947	(1.072)	17254	2.00000	1.75(M)
	146 Methyl Acetate	43	2.708	2.708	(0.563)	7184	2.00000	2.13(M)
	148 Tert-Butyl alcohol	59	2.967	2.967	(0.617)	21792	40.0000	52.35
	149 Isopropyl Alcohol	45	2.558	2.558	(0.532)	11717	40.0000	45.23(TM)

QC Flag Legend

T - Target compound detected outside RT window.
M - Compound response manually integrated.



Data File: \\nahstws005\target\chem\voa9.i\u230731.b\u073105.d
Date : 31-JUL-2023 12:59
Client ID: VSTD002
Sample Info: VSTD002:VSTD002:1:4:
Purge Volume: 5.0
Column phase: DB624

Instrument: VOA9.i
Operator: PC
Column diameter: 0.18

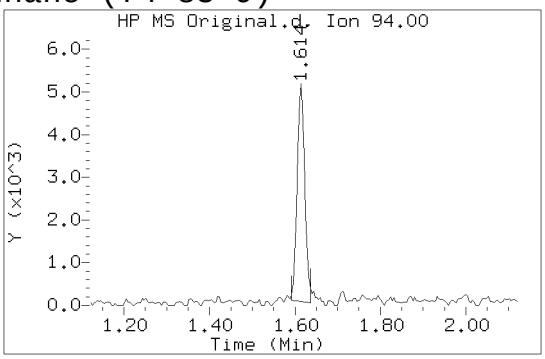
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Inj Date : 31-JUL-2023 12:59
InstruID : VOA9.i
LabSampID : VSTD002

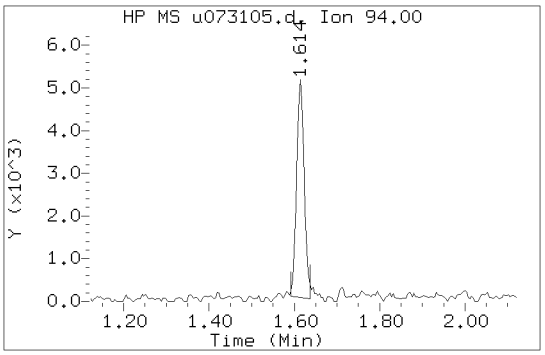
Bromomethane (74-83-9)

Reason Code:

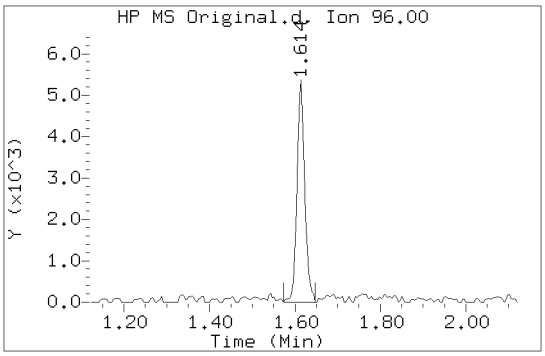
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01-Aug-2023
21:03



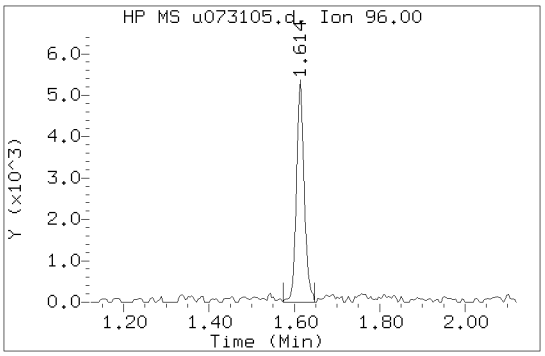
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BEFORE
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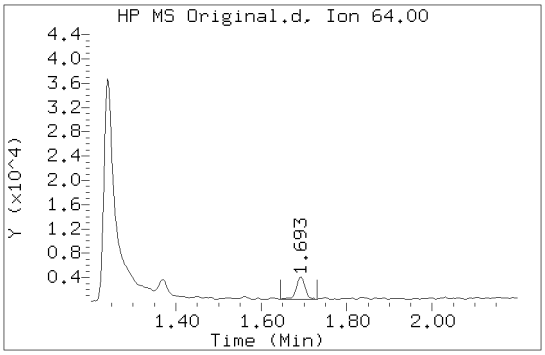
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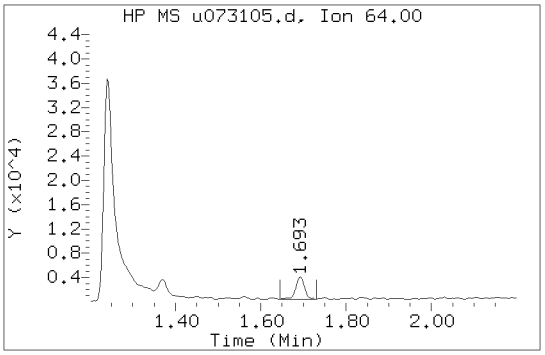
Chloroethane (75-00-3)

Reason Code:

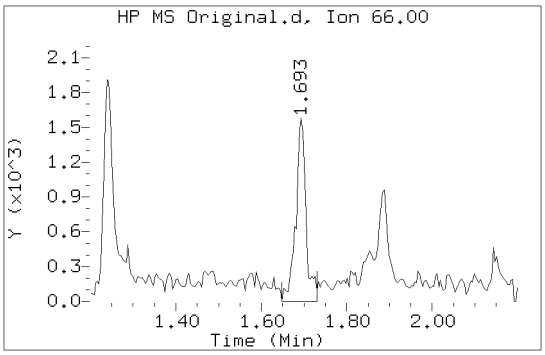
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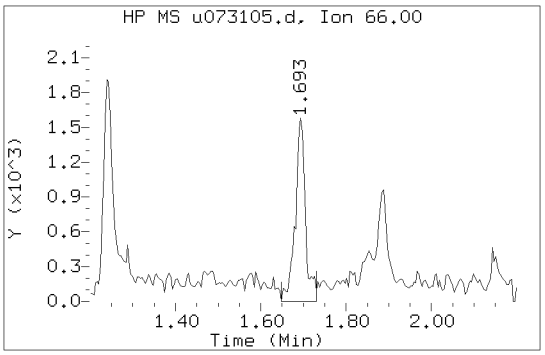
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HEIGHT
3723
01-Aug-2023
21:03



BEFORE
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AREA
2621
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01-Aug-2023
21:03



AFTER
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HEIGHT
1580
01-Aug-2023
21:03

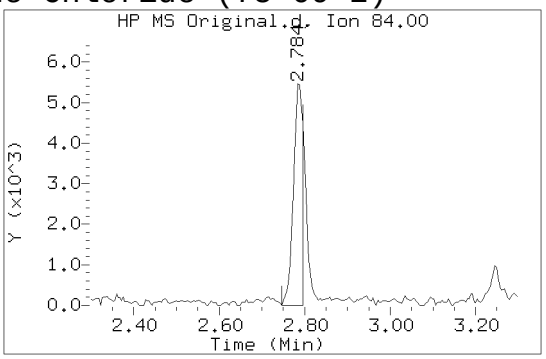


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InstruID : VOA9.i
LabSampID : VSTD002

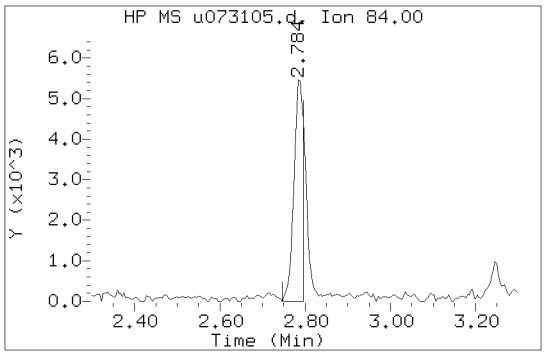
Methylene Chloride (75-09-2)

Reason Code:

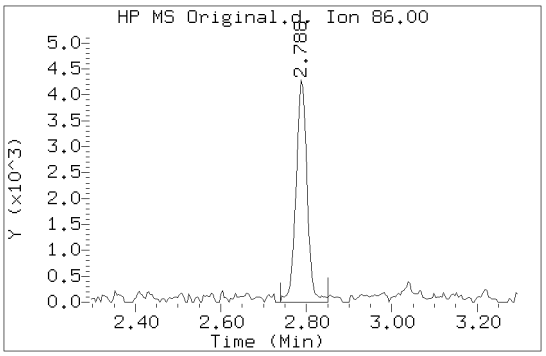
BEFORE
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01-Aug-2023
21:03



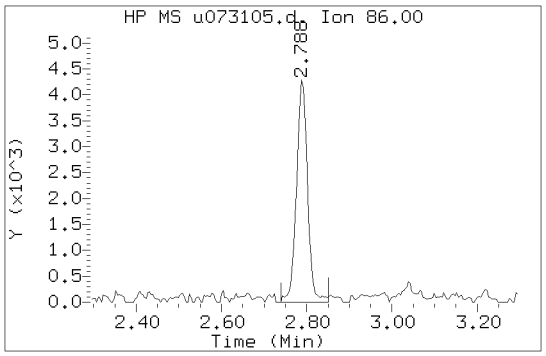
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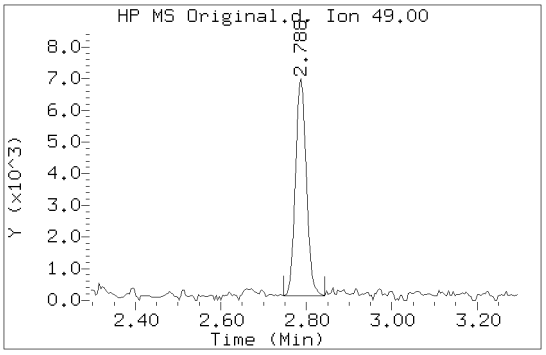
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01-Aug-2023
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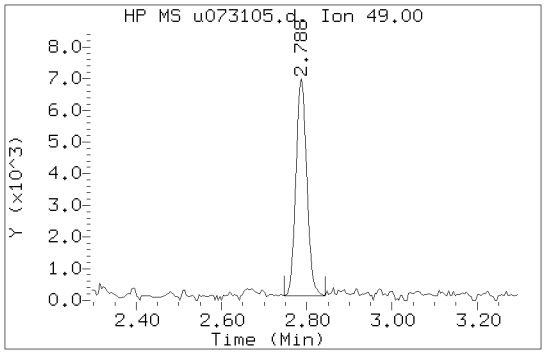
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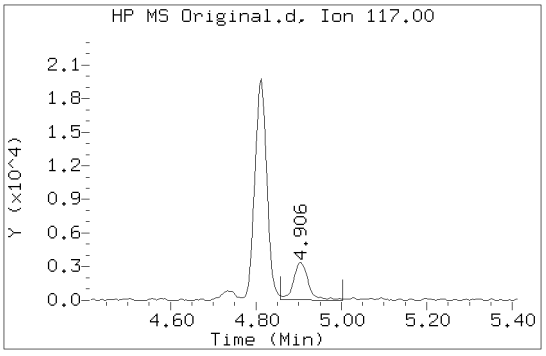
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01-Aug-2023
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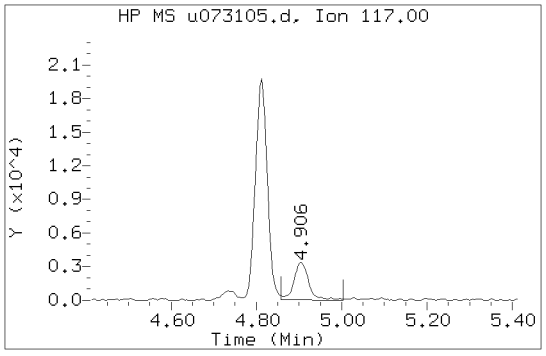
Carbon Tetrachloride (56-23-5)

Reason Code:

BEFORE
MASS
117
AREA
8430
HEIGHT
3364
01-Aug-2023
21:03



AFTER
MASS
117
AREA
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HEIGHT
3364
01-Aug-2023
21:03

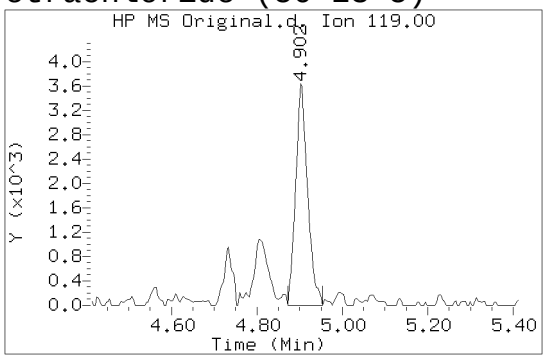


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Inj Date : 31-JUL-2023 12:59
InstruID : VOA9.i
LabSampID : VSTD002

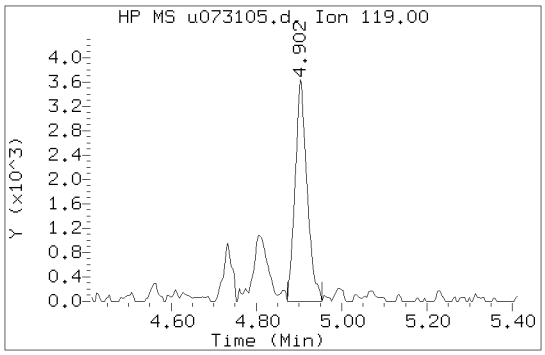
Carbon Tetrachloride (56-23-5)

Reason Code:

BEFORE
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3637
01-Aug-2023
21:03



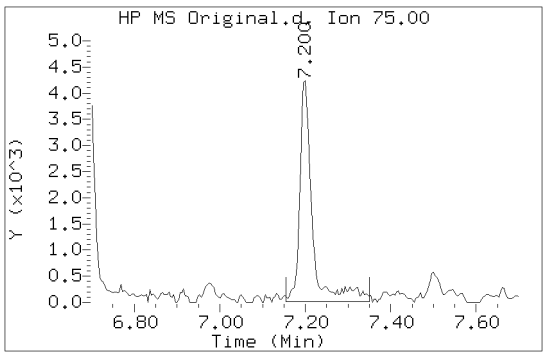
AFTER
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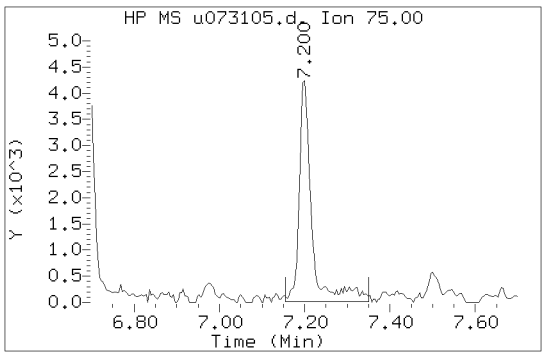
trans-1,3-Dichloropropene (10061-02-6)

Reason Code:

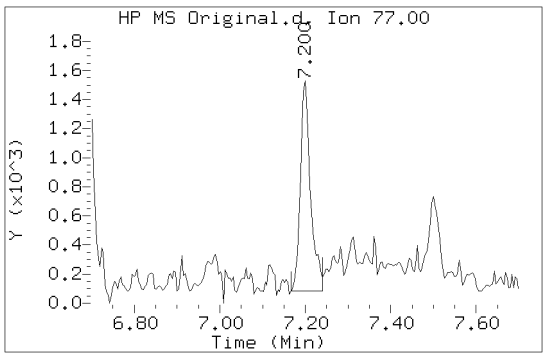
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01-Aug-2023
21:03



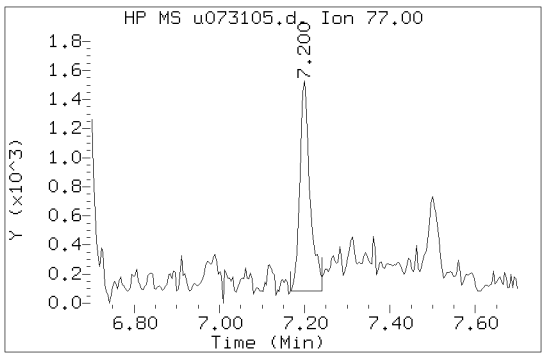
AFTER
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01-Aug-2023
21:03



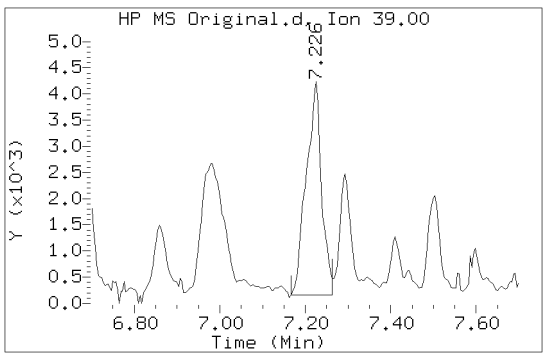
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01-Aug-2023
21:03



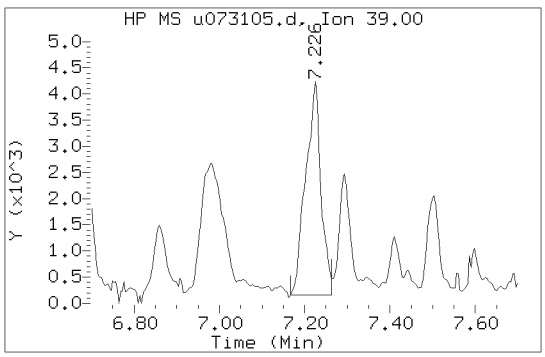
AFTER
MASS
77
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01-Aug-2023
21:03



BEFORE
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21:03



AFTER
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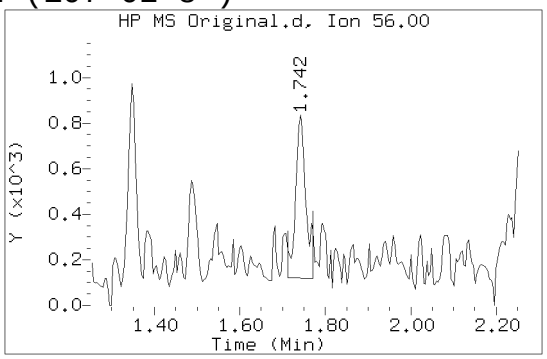


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InstruID : VOA9.i
LabSampID : VSTD002

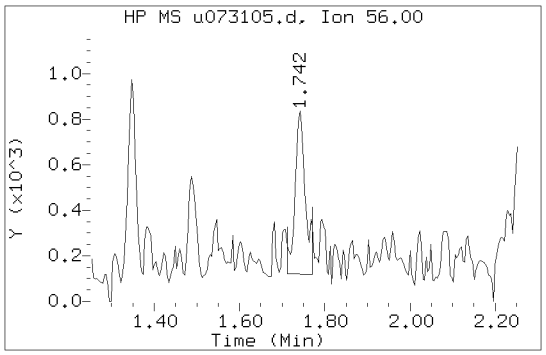
Acrolein (107-02-8)

Reason Code:

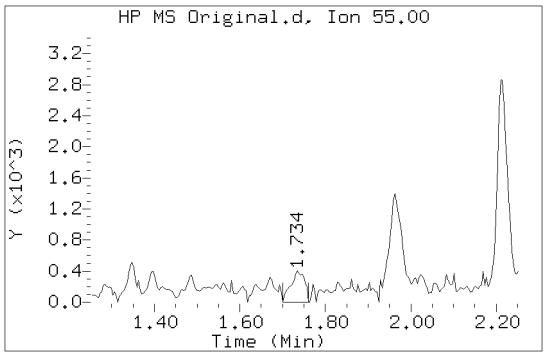
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HEIGHT
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01-Aug-2023
21:03



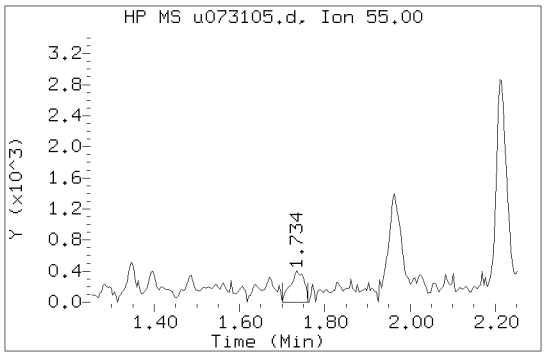
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BEFORE
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01-Aug-2023
21:03



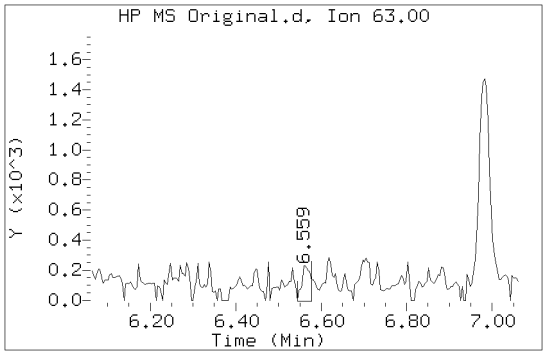
AFTER
MASS
55
AREA
889
HEIGHT
407
01-Aug-2023
21:03



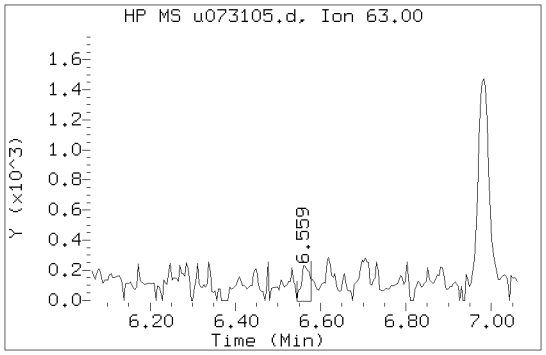
2-Chloroethylvinyl ether (110-75-8)

Reason Code:

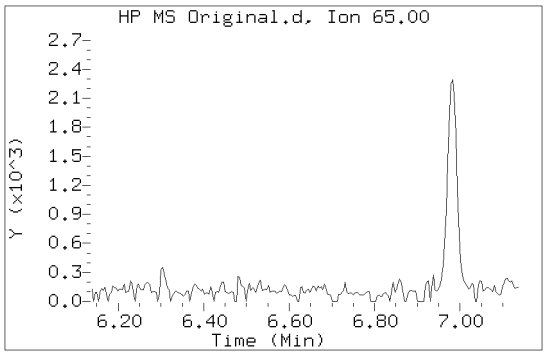
BEFORE
MASS
63
AREA
335
HEIGHT
235
01-Aug-2023
21:03



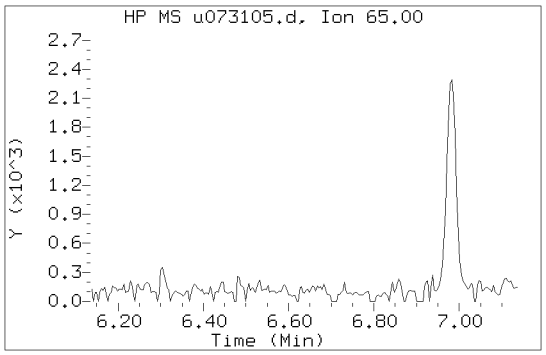
AFTER
MASS
63
AREA
335
HEIGHT
235
01-Aug-2023
21:03



BEFORE
MASS
65
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER
MASS
65
AREA
0
HEIGHT
0
01-Aug-2023
21:03



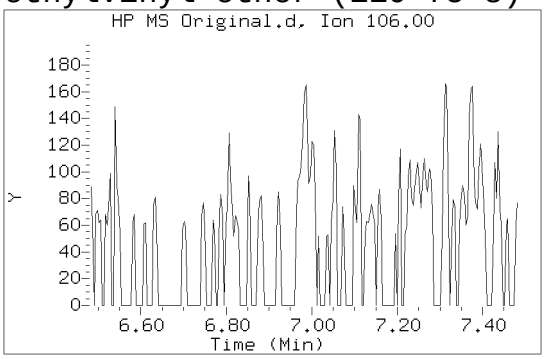
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Inj Date : 31-JUL-2023 12:59
InstruID : VOA9.i
LabSampID : VSTD002

2-Chloroethylvinyl ether (110-75-8)

Reason Code:

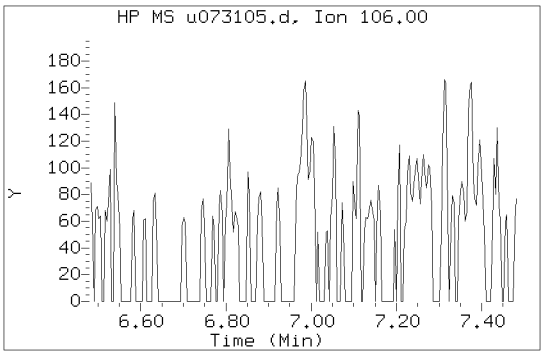
BEFORE

MASS
106
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER

MASS
106
AREA
0
HEIGHT
0
01-Aug-2023
21:03

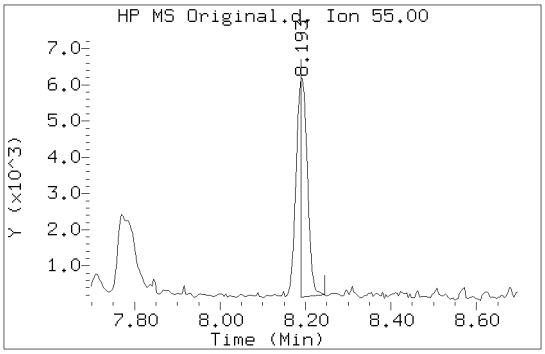


1-Chlorohexane (544-10-5)

Reason Code:

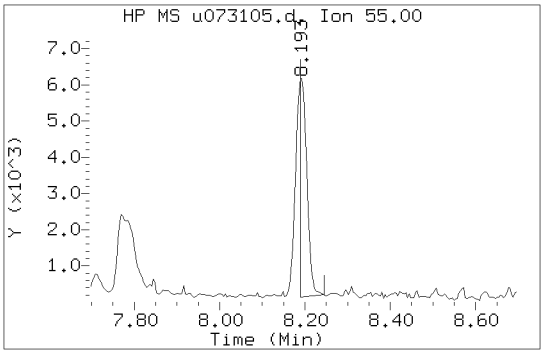
BEFORE

MASS
55
AREA
7024
HEIGHT
6030
01-Aug-2023
21:03



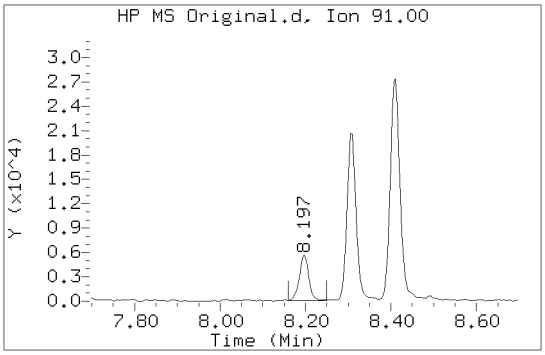
AFTER

MASS
55
AREA
7024
HEIGHT
6030
01-Aug-2023
21:03



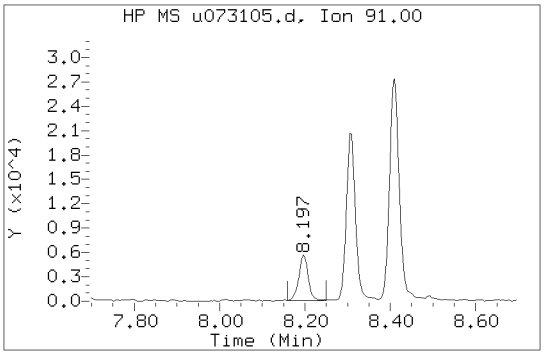
BEFORE

MASS
91
AREA
8656
HEIGHT
5589
01-Aug-2023
21:03



AFTER

MASS
91
AREA
8656
HEIGHT
5589
01-Aug-2023
21:03

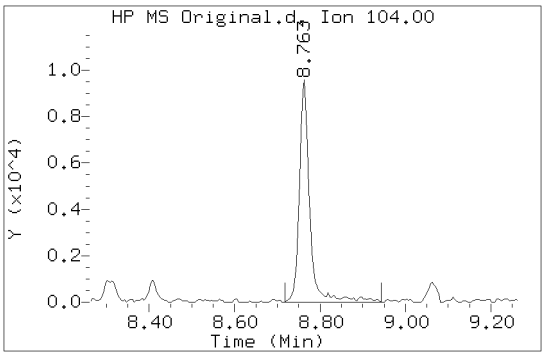


Styrene (100-42-5)

Reason Code:

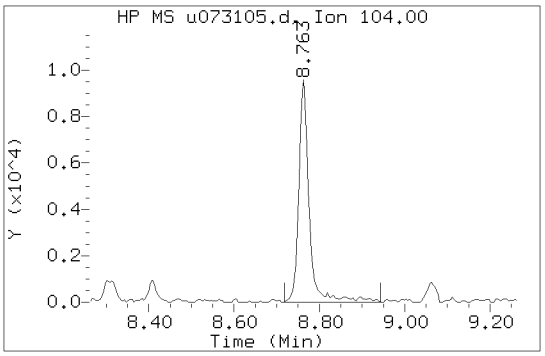
BEFORE

MASS
104
AREA
16730
HEIGHT
9582
01-Aug-2023
21:03



AFTER

MASS
104
AREA
16730
HEIGHT
9582
01-Aug-2023
21:03

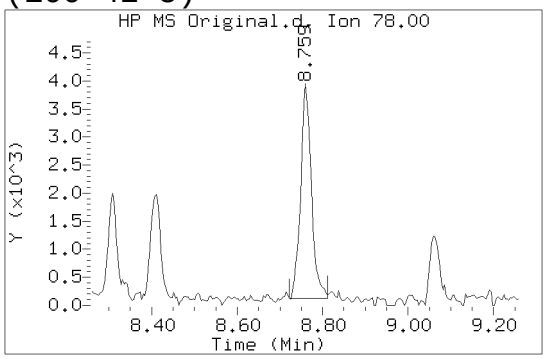


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Inj Date : 31-JUL-2023 12:59
InstruID : VOA9.i
LabSampID : VSTD002

Styrene (100-42-5)

BEFORE

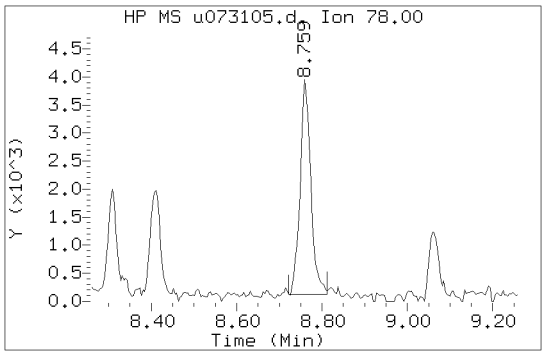
MASS
78
AREA
6853
HEIGHT
3826
01-Aug-2023
21:03



Reason Code:

AFTER

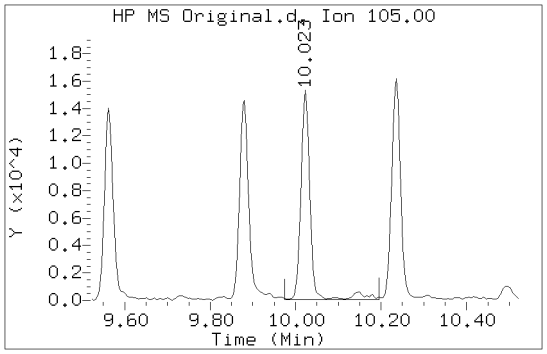
MASS
78
AREA
6853
HEIGHT
3826
01-Aug-2023
21:03



sec-Butylbenzene (135-98-8)

BEFORE

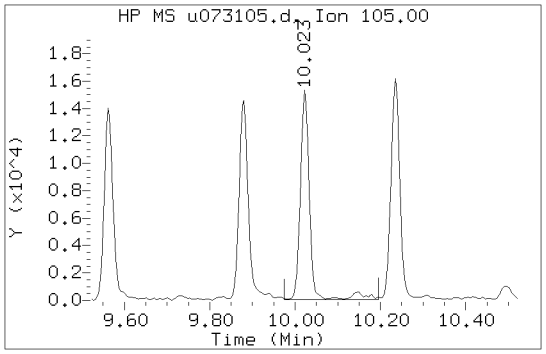
MASS
105
AREA
23804
HEIGHT
15302
01-Aug-2023
21:03



Reason Code:

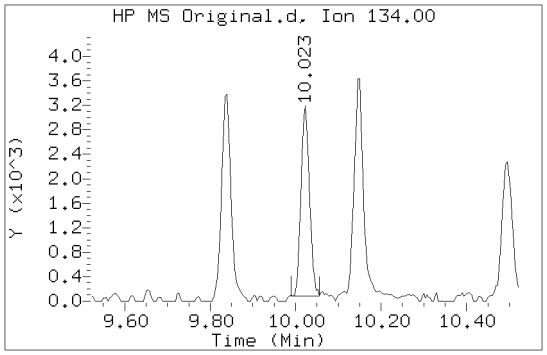
AFTER

MASS
105
AREA
23804
HEIGHT
15302
01-Aug-2023
21:03



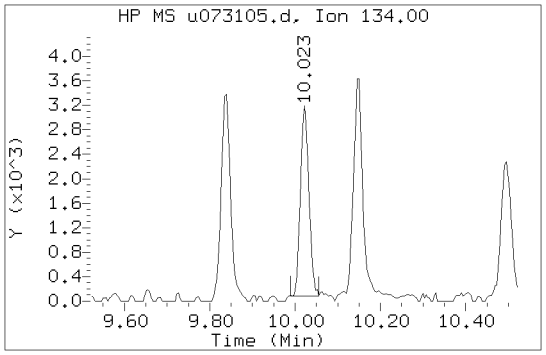
BEFORE

MASS
134
AREA
4423
HEIGHT
3109
01-Aug-2023
21:03



AFTER

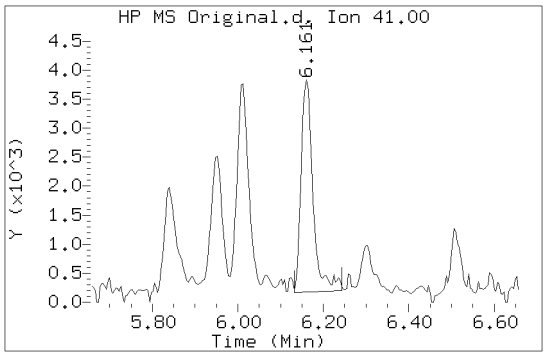
MASS
134
AREA
4423
HEIGHT
3109
01-Aug-2023
21:03



Methyl Methacrylate (80-62-6)

BEFORE

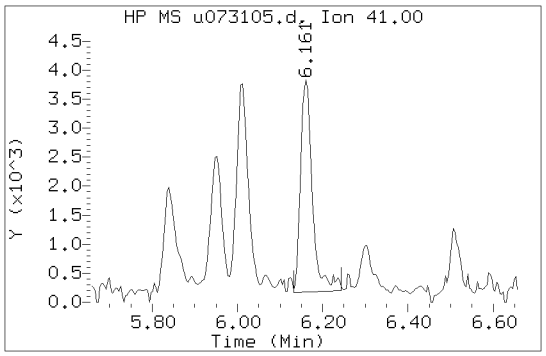
MASS
41
AREA
7198
HEIGHT
3653
01-Aug-2023
21:03



Reason Code:

AFTER

MASS
41
AREA
7198
HEIGHT
3653
01-Aug-2023
21:03

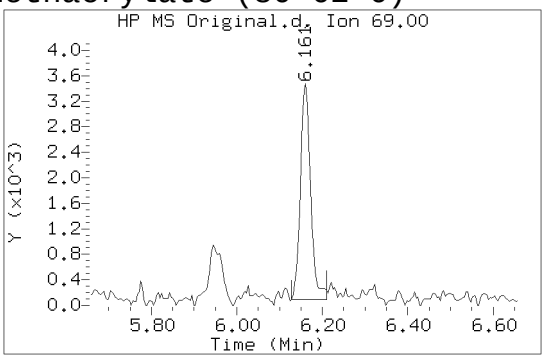


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Inj Date : 31-JUL-2023 12:59
InstruID : VOA9.i
LabSampID : VSTD002

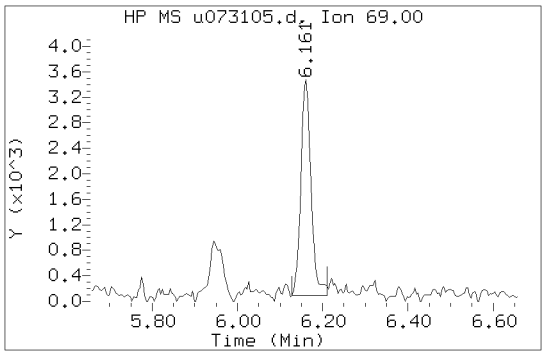
Methyl Methacrylate (80-62-6)

Reason Code:

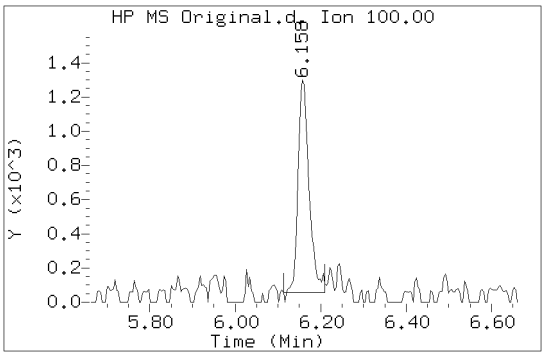
BEFORE
MASS
69
AREA
5750
HEIGHT
3389
01-Aug-2023
21:03



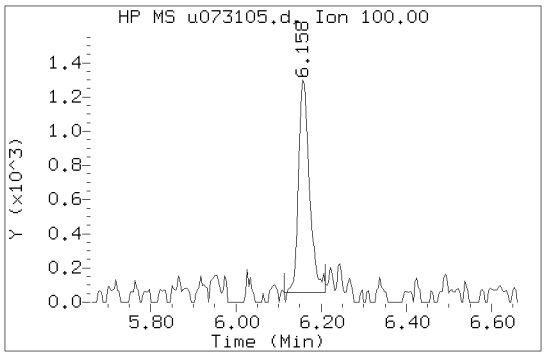
AFTER
MASS
69
AREA
5750
HEIGHT
3389
01-Aug-2023
21:03



BEFORE
MASS
100
AREA
2274
HEIGHT
1243
01-Aug-2023
21:03



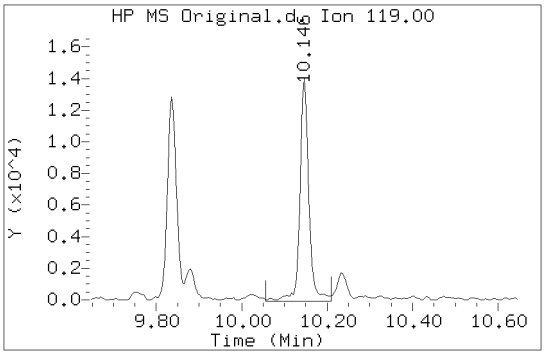
AFTER
MASS
100
AREA
2274
HEIGHT
1243
01-Aug-2023
21:03



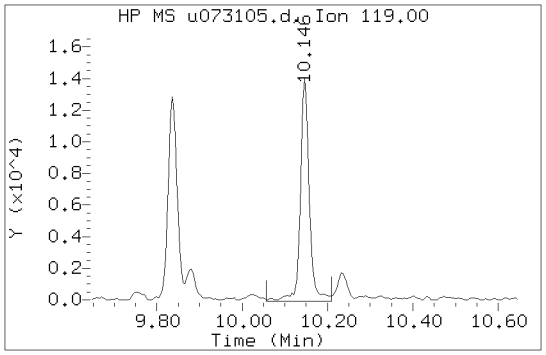
p-Isopropyltoluene (99-87-6)

Reason Code:

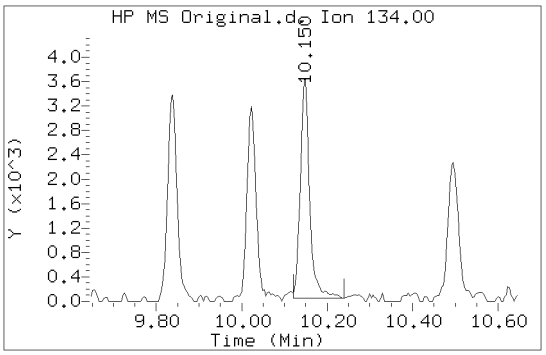
BEFORE
MASS
119
AREA
21012
HEIGHT
14059
01-Aug-2023
21:03



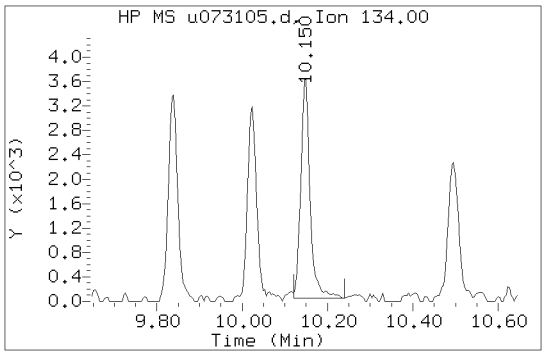
AFTER
MASS
119
AREA
21012
HEIGHT
14059
01-Aug-2023
21:03



BEFORE
MASS
134
AREA
5521
HEIGHT
3574
01-Aug-2023
21:03



AFTER
MASS
134
AREA
5521
HEIGHT
3574
01-Aug-2023
21:03



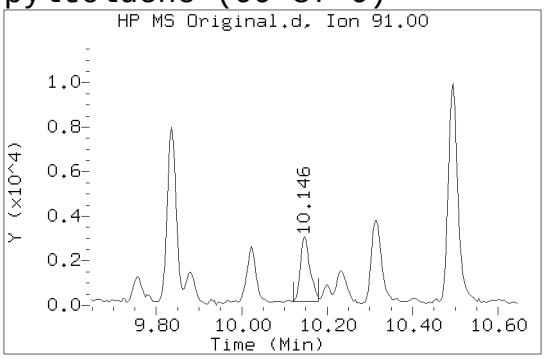
Data File : \\nahstws005\target\chem\voa9.i\u230731.b\u073105.d
Inj Date : 31-JUL-2023 12:59
InstruID : VOA9.i
LabSampID : VSTD002

p-Isopropyltoluene (99-87-6)

Reason Code:

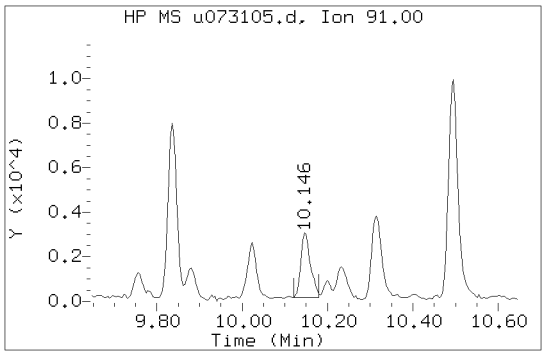
BEFORE

MASS
91
AREA
4681
HEIGHT
2906
01-Aug-2023
21:03



AFTER

MASS
91
AREA
4681
HEIGHT
2906
01-Aug-2023
21:03

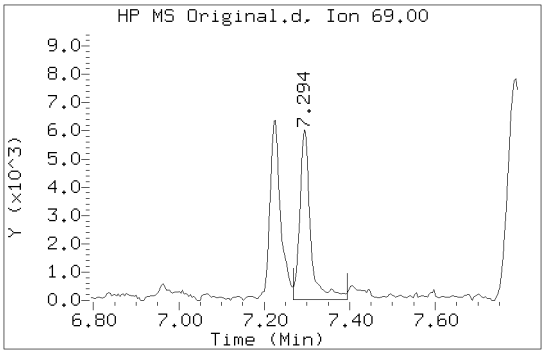


Ethyl Methacrylate (97-63-2)

Reason Code:

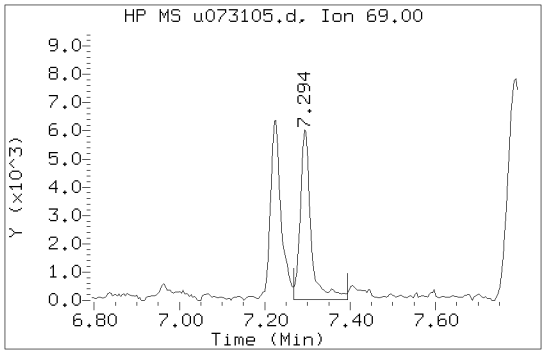
BEFORE

MASS
69
AREA
10845
HEIGHT
6021
01-Aug-2023
21:03



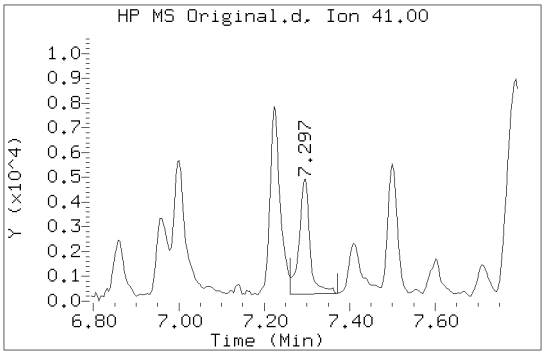
AFTER

MASS
69
AREA
10845
HEIGHT
6021
01-Aug-2023
21:03



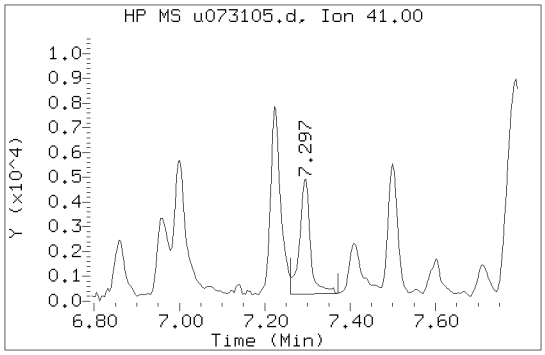
BEFORE

MASS
41
AREA
8474
HEIGHT
4635
01-Aug-2023
21:03



AFTER

MASS
41
AREA
8474
HEIGHT
4635
01-Aug-2023
21:03

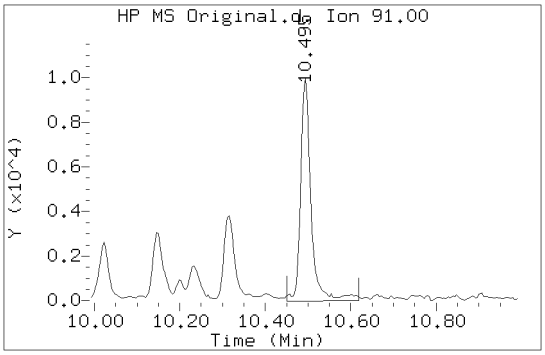


n-Butylbenzene (104-51-8)

Reason Code:

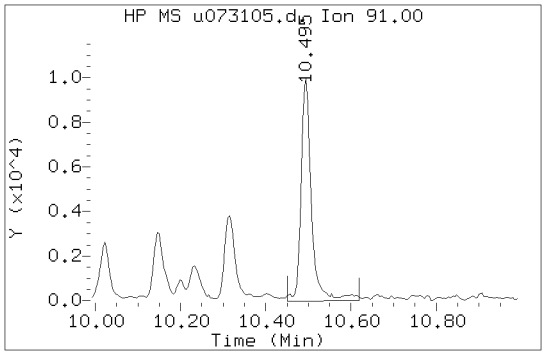
BEFORE

MASS
91
AREA
17310
HEIGHT
9967
01-Aug-2023
21:03



AFTER

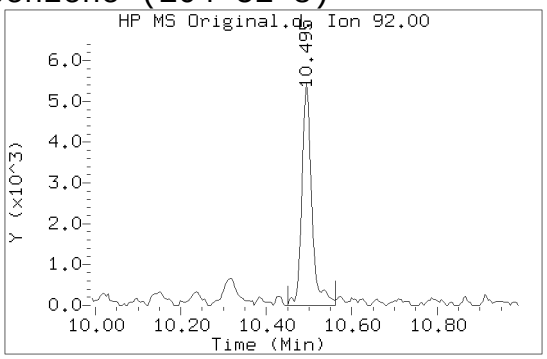
MASS
91
AREA
17310
HEIGHT
9967
01-Aug-2023
21:03



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InstruID : VOA9.i
LabSampID : VSTD002

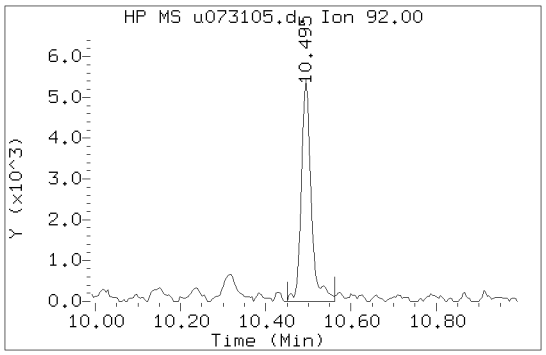
n-Butylbenzene (104-51-8)

BEFORE
MASS
92
AREA
8944
HEIGHT
5435
01-Aug-2023
21:03

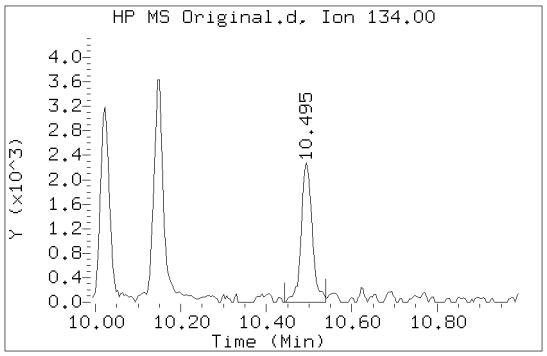


Reason Code:

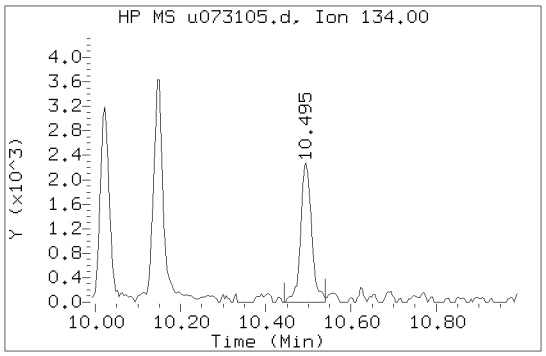
AFTER
MASS
92
AREA
8944
HEIGHT
5435
01-Aug-2023
21:03



BEFORE
MASS
134
AREA
4164
HEIGHT
2274
01-Aug-2023
21:03

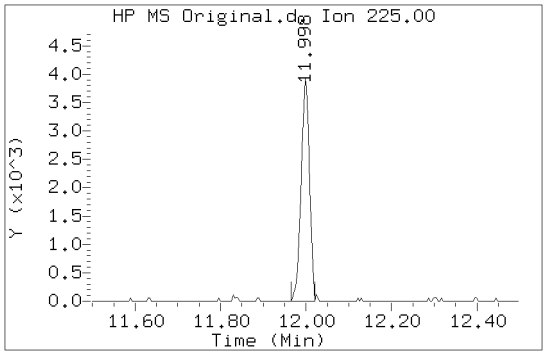


AFTER
MASS
134
AREA
4164
HEIGHT
2274
01-Aug-2023
21:03



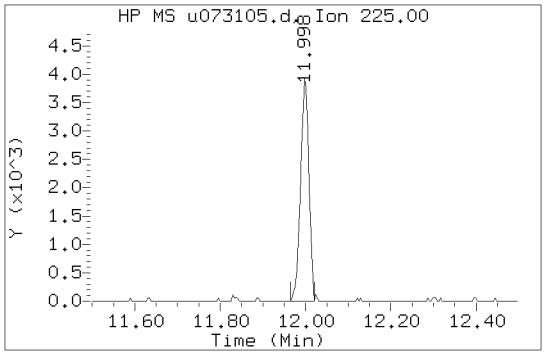
Hexachlorobutadiene (87-68-3)

BEFORE
MASS
225
AREA
5519
HEIGHT
3917
01-Aug-2023
21:03

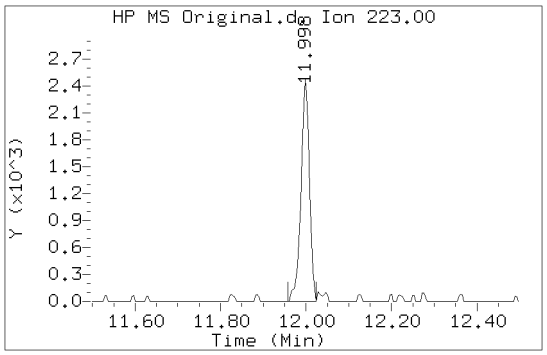


Reason Code:

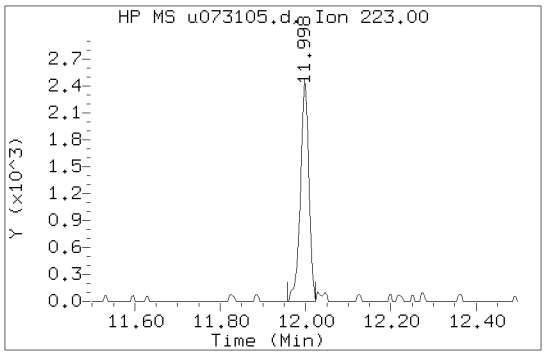
AFTER
MASS
225
AREA
5519
HEIGHT
3917
01-Aug-2023
21:03



BEFORE
MASS
223
AREA
3509
HEIGHT
2471
01-Aug-2023
21:03



AFTER
MASS
223
AREA
3509
HEIGHT
2471
01-Aug-2023
21:03

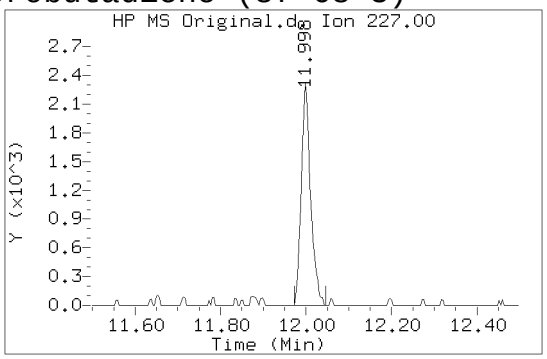


Data File : \\nahstws005\target\chem\voa9.i\u230731.b\u073105.d
Inj Date : 31-JUL-2023 12:59
InstruID : VOA9.i
LabSampID : VSTD002

Hexachlorobutadiene (87-68-3)

BEFORE

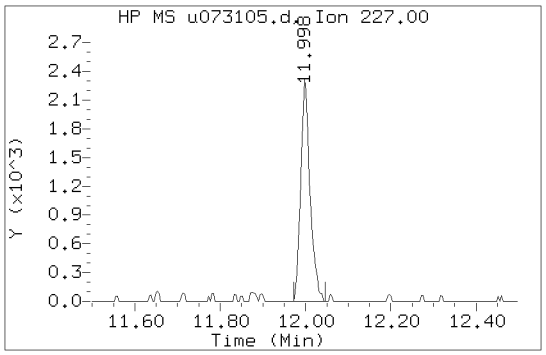
MASS
227
AREA
3623
HEIGHT
2314
01-Aug-2023
21:03



Reason Code:

AFTER

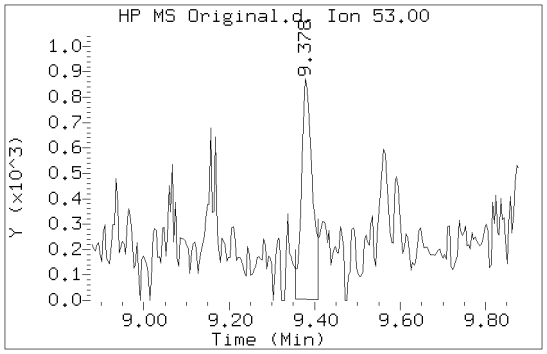
MASS
227
AREA
3623
HEIGHT
2314
01-Aug-2023
21:03



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

BEFORE

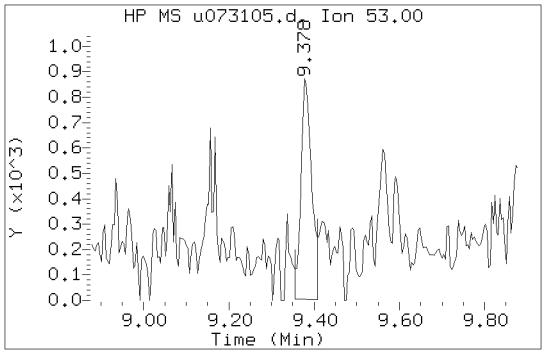
MASS
53
AREA
1567
HEIGHT
868
01-Aug-2023
21:03



Reason Code:

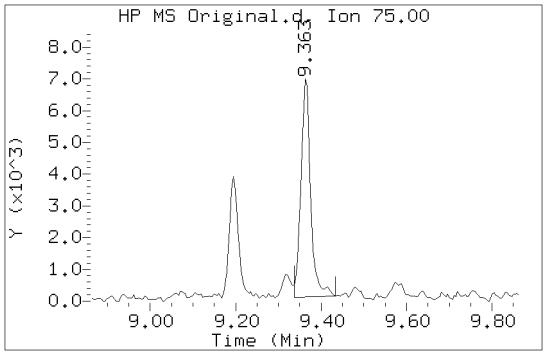
AFTER

MASS
53
AREA
1567
HEIGHT
868
01-Aug-2023
21:03



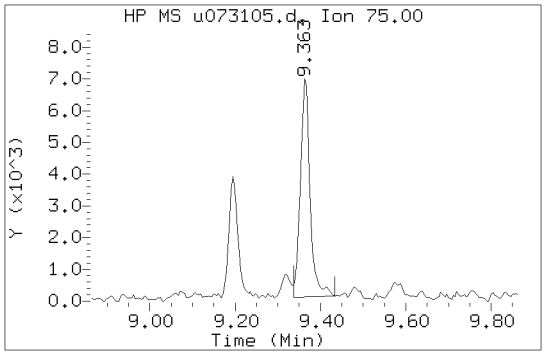
BEFORE

MASS
75
AREA
11095
HEIGHT
6863
01-Aug-2023
21:03



AFTER

MASS
75
AREA
11095
HEIGHT
6863
01-Aug-2023
21:03

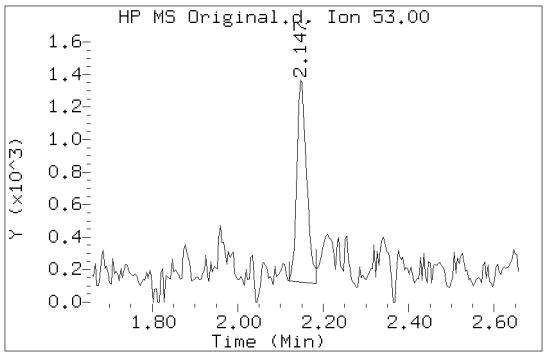


Chloroprene (126-99-8)

Reason Code:

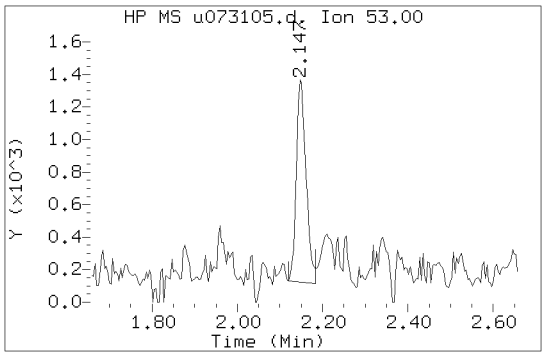
BEFORE

MASS
53
AREA
2033
HEIGHT
1244
01-Aug-2023
21:03



AFTER

MASS
53
AREA
2033
HEIGHT
1244
01-Aug-2023
21:03



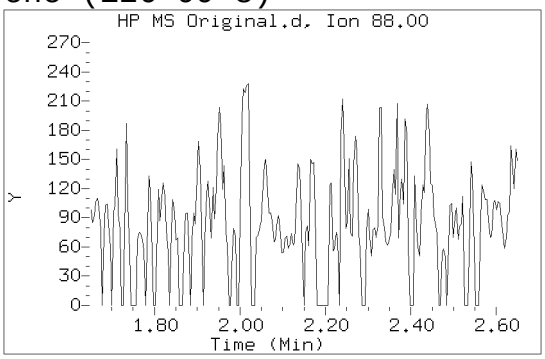
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Inj Date : 31-JUL-2023 12:59
InstruID : VOA9.i
LabSampID : VSTD002

Chloroprene (126-99-8)

Reason Code:

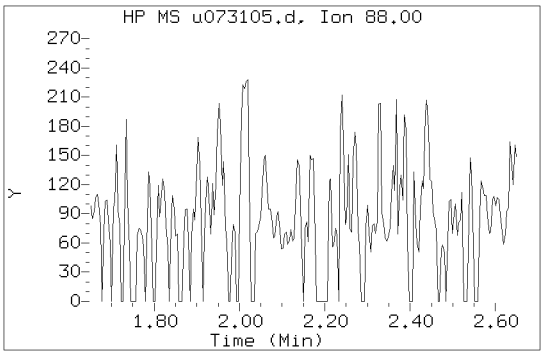
BEFORE

MASS
88
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER

MASS
88
AREA
0
HEIGHT
0
01-Aug-2023
21:03

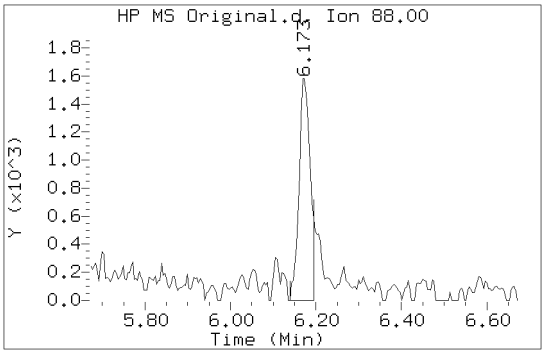


1,4-Dioxane ()

Reason Code:

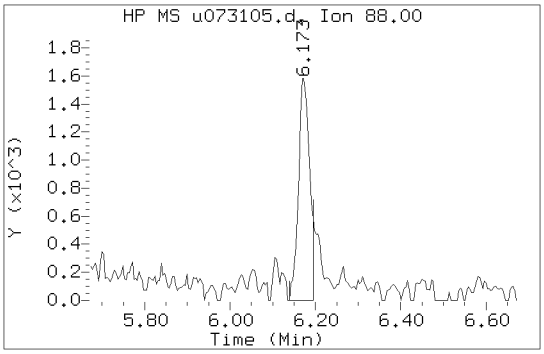
BEFORE

MASS
88
AREA
2926
HEIGHT
1580
01-Aug-2023
21:03



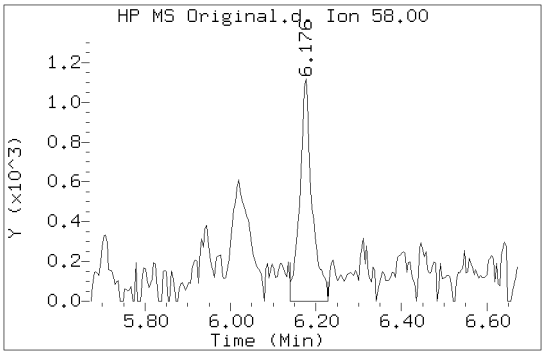
AFTER

MASS
88
AREA
2926
HEIGHT
1580
01-Aug-2023
21:03



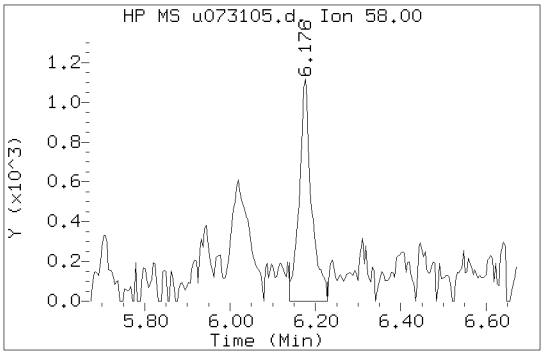
BEFORE

MASS
58
AREA
2267
HEIGHT
1118
01-Aug-2023
21:03



AFTER

MASS
58
AREA
2267
HEIGHT
1118
01-Aug-2023
21:03

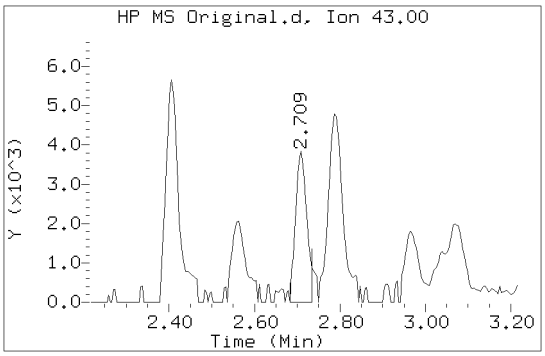


Methyl acetate (79-20-9)

Reason Code:

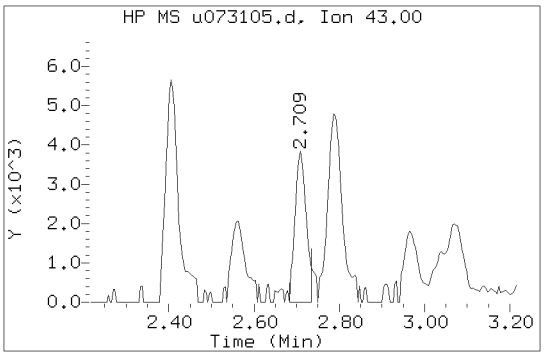
BEFORE

MASS
43
AREA
7184
HEIGHT
3842
01-Aug-2023
21:03



AFTER

MASS
43
AREA
7184
HEIGHT
3842
01-Aug-2023
21:03



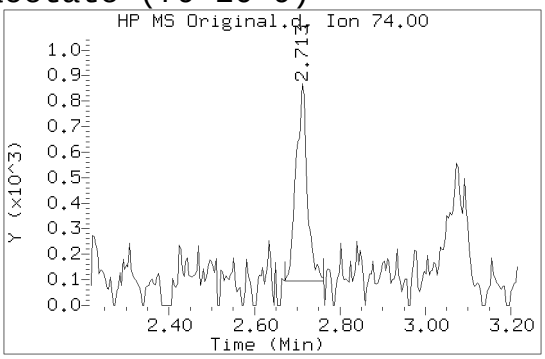
Data File : \\nahstws005\target\chem\voa9.i\u230731.b\u073105.d
Inj Date : 31-JUL-2023 12:59
InstruID : VOA9.i
LabSampID : VSTD002

Methyl acetate (79-20-9)

Reason Code:

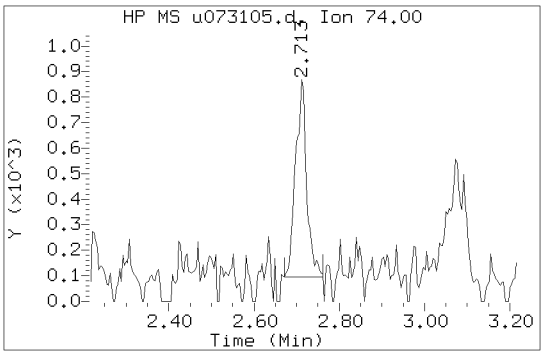
BEFORE

MASS
74
AREA
1420
HEIGHT
772
01-Aug-2023
21:03



AFTER

MASS
74
AREA
1420
HEIGHT
772
01-Aug-2023
21:03

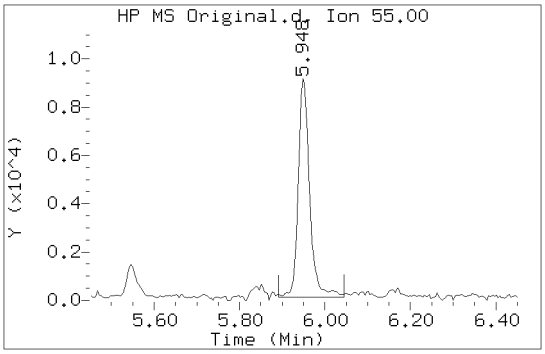


Methylcyclohexane (108-87-2)

Reason Code:

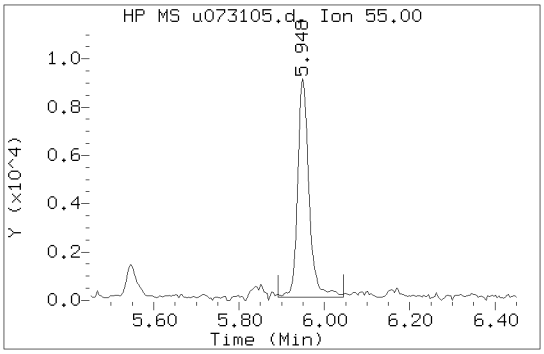
BEFORE

MASS
55
AREA
17254
HEIGHT
9046
01-Aug-2023
21:03



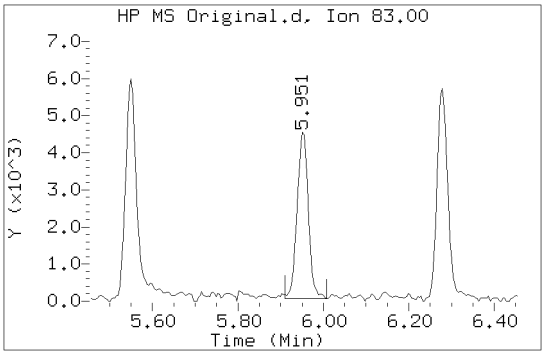
AFTER

MASS
55
AREA
17254
HEIGHT
9046
01-Aug-2023
21:03



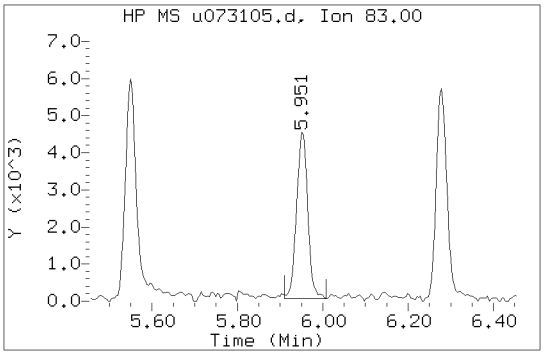
BEFORE

MASS
83
AREA
8345
HEIGHT
4478
01-Aug-2023
21:03



AFTER

MASS
83
AREA
8345
HEIGHT
4478
01-Aug-2023
21:03

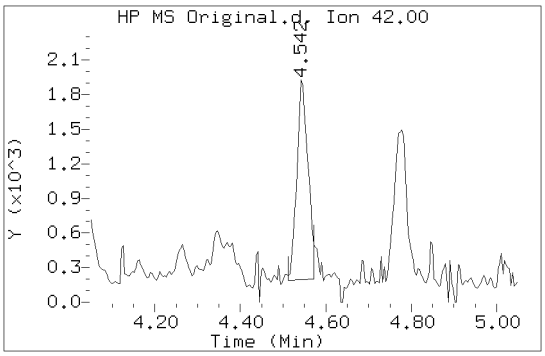


Tetrahydrofuran (109-99-9)

Reason Code:

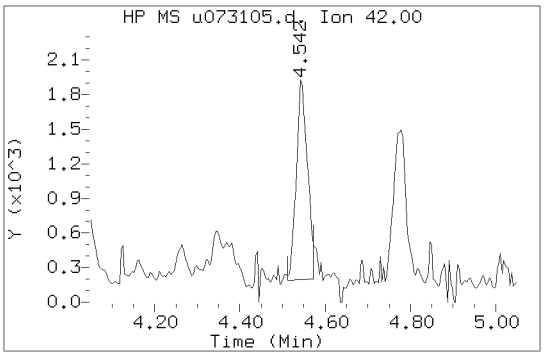
BEFORE

MASS
42
AREA
3194
HEIGHT
1734
01-Aug-2023
21:03



AFTER

MASS
42
AREA
3194
HEIGHT
1734
01-Aug-2023
21:03



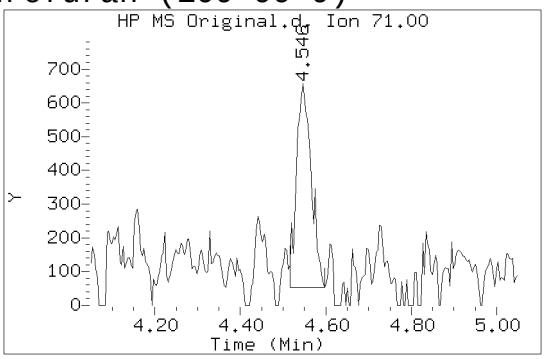
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Inj Date : 31-JUL-2023 12:59
InstruID : VOA9.i
LabSampID : VSTD002

Tetrahydrofuran (109-99-9)

Reason Code:

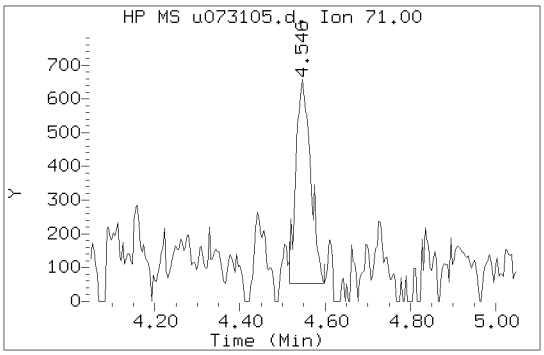
BEFORE

MASS
71
AREA
1465
HEIGHT
603
01-Aug-2023
21:03



AFTER

MASS
71
AREA
1465
HEIGHT
603
01-Aug-2023
21:03

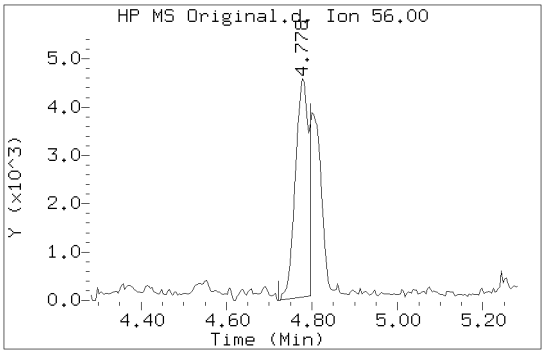


Cyclohexane (110-82-7)

Reason Code:

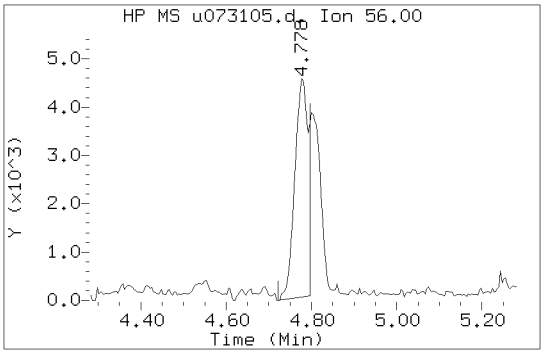
BEFORE

MASS
56
AREA
10228
HEIGHT
4523
01-Aug-2023
21:03



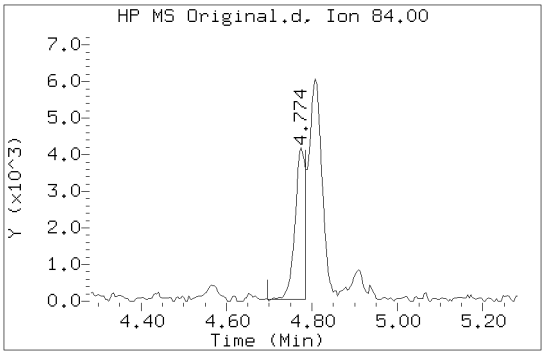
AFTER

MASS
56
AREA
10228
HEIGHT
4523
01-Aug-2023
21:03



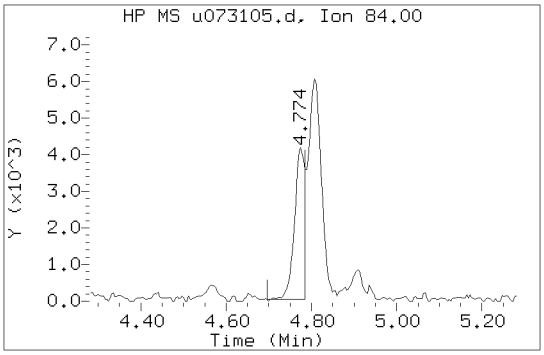
BEFORE

MASS
84
AREA
7125
HEIGHT
4139
01-Aug-2023
21:03



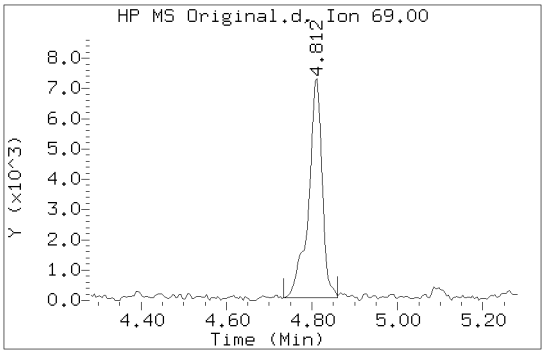
AFTER

MASS
84
AREA
7125
HEIGHT
4139
01-Aug-2023
21:03



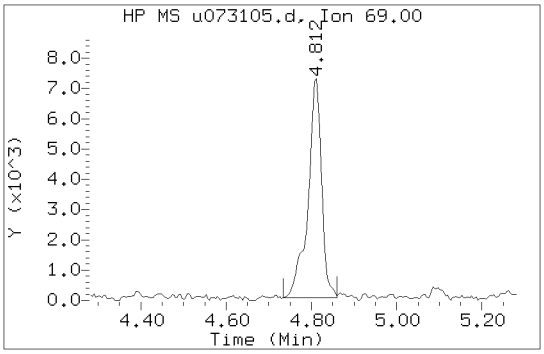
BEFORE

MASS
69
AREA
16107
HEIGHT
7234
01-Aug-2023
21:03



AFTER

MASS
69
AREA
16107
HEIGHT
7234
01-Aug-2023
21:03

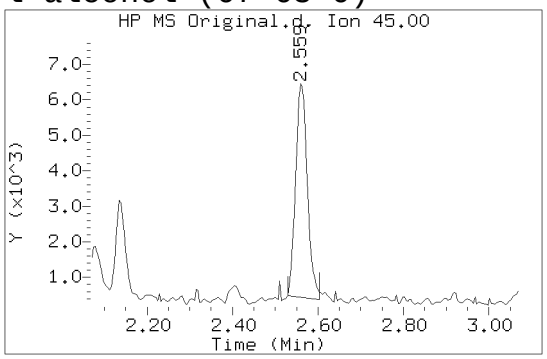


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InstruID : VOA9.i
LabSampID : VSTD002

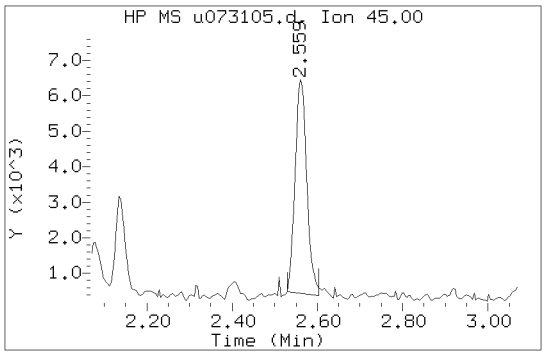
Isopropyl alcohol (67-63-0)

Reason Code:

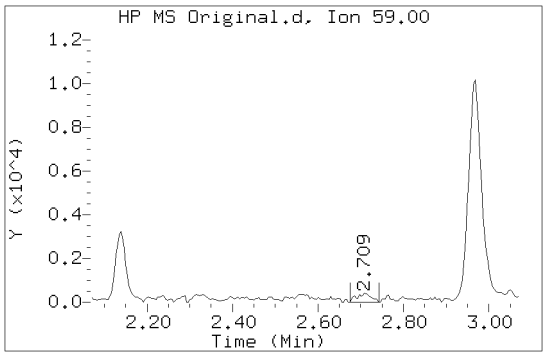
BEFORE
MASS
45
AREA
11717
HEIGHT
6022
01-Aug-2023
21:03



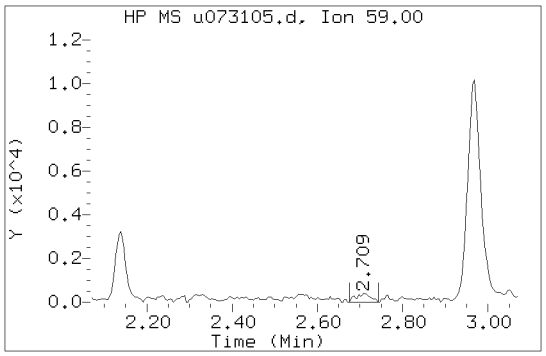
AFTER
MASS
45
AREA
11717
HEIGHT
6022
01-Aug-2023
21:03



BEFORE
MASS
59
AREA
965
HEIGHT
397
01-Aug-2023
21:03



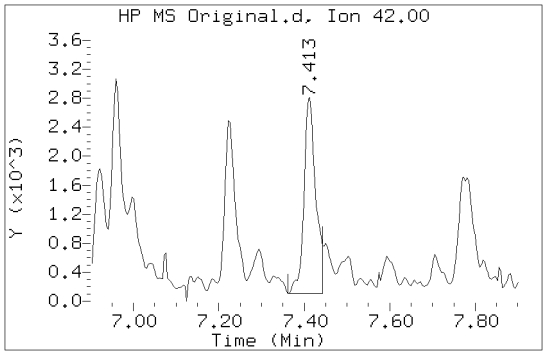
AFTER
MASS
59
AREA
965
HEIGHT
397
01-Aug-2023
21:03



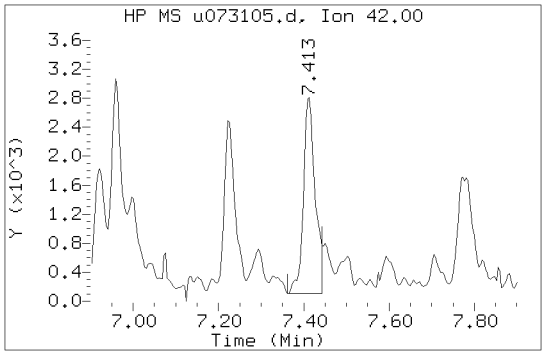
Amyl alcohol (71-41-0)

Reason Code:

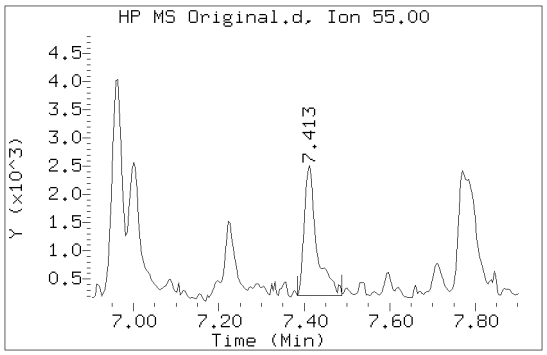
BEFORE
MASS
42
AREA
5299
HEIGHT
2702
01-Aug-2023
21:03



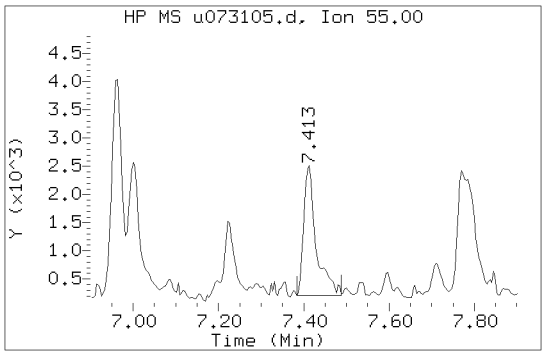
AFTER
MASS
42
AREA
5299
HEIGHT
2702
01-Aug-2023
21:03



BEFORE
MASS
55
AREA
4770
HEIGHT
2303
01-Aug-2023
21:03



AFTER
MASS
55
AREA
4770
HEIGHT
2303
01-Aug-2023
21:03

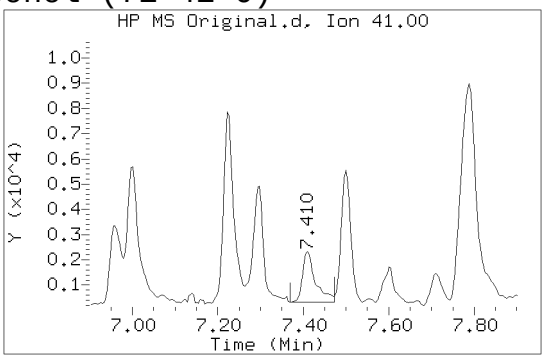


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Inj Date : 31-JUL-2023 12:59
InstruID : VOA9.i
LabSampID : VSTD002

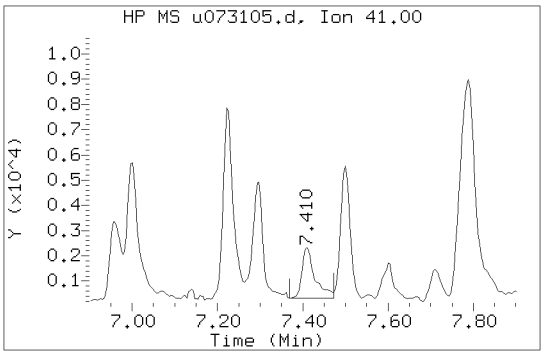
Amyl alcohol (71-41-0)

Reason Code:

BEFORE
MASS
41
AREA
4366
HEIGHT
2016
01-Aug-2023
21:03



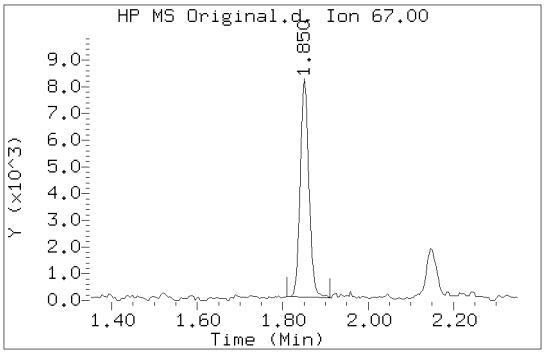
AFTER
MASS
41
AREA
4366
HEIGHT
2016
01-Aug-2023
21:03



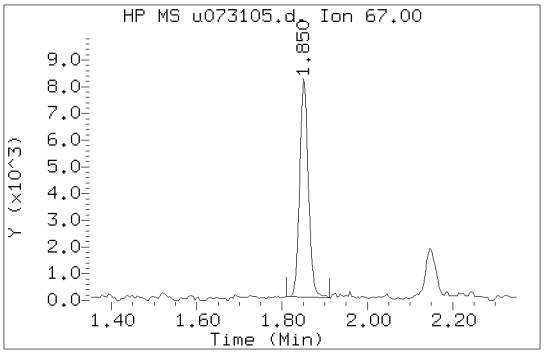
Dichlorofluoromethane (75-43-4)

Reason Code:

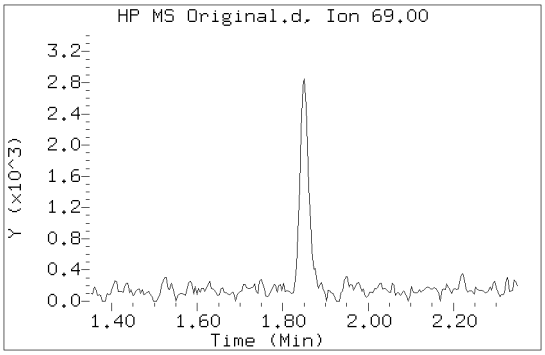
BEFORE
MASS
67
AREA
11833
HEIGHT
8182
01-Aug-2023
21:03



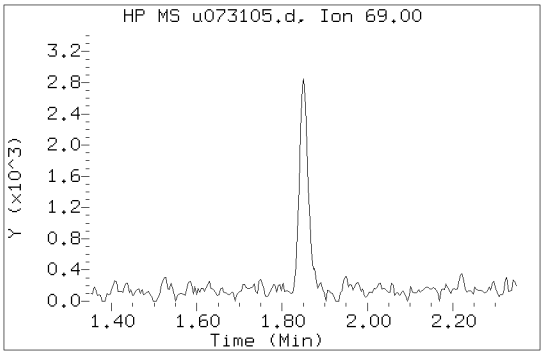
AFTER
MASS
67
AREA
11833
HEIGHT
8182
01-Aug-2023
21:03



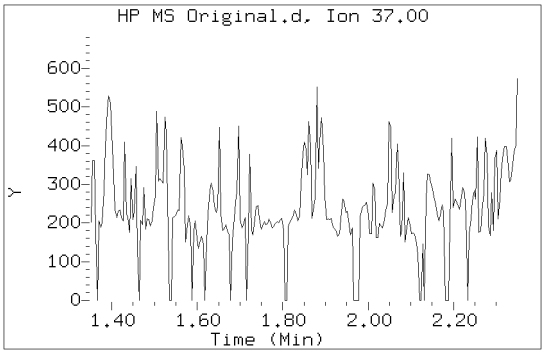
BEFORE
MASS
69
AREA
0
HEIGHT
0
01-Aug-2023
21:03



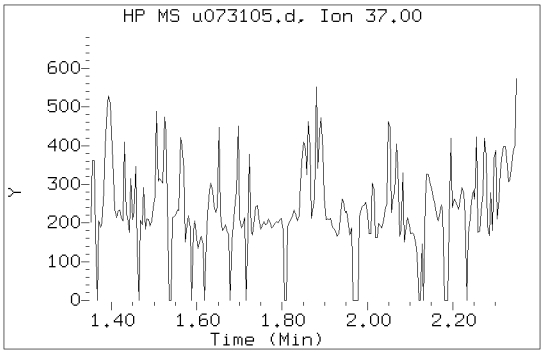
AFTER
MASS
69
AREA
0
HEIGHT
0
01-Aug-2023
21:03



BEFORE
MASS
37
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER
MASS
37
AREA
0
HEIGHT
0
01-Aug-2023
21:03

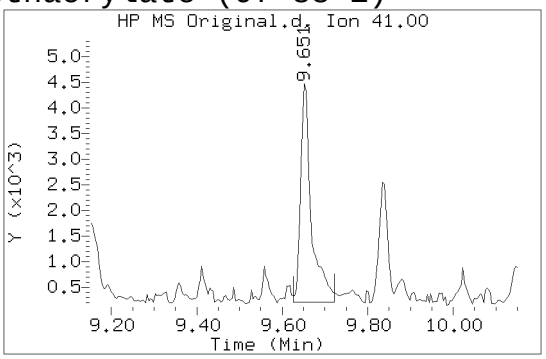


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Inj Date : 31-JUL-2023 12:59
InstruID : VOA9.i
LabSampID : VSTD002

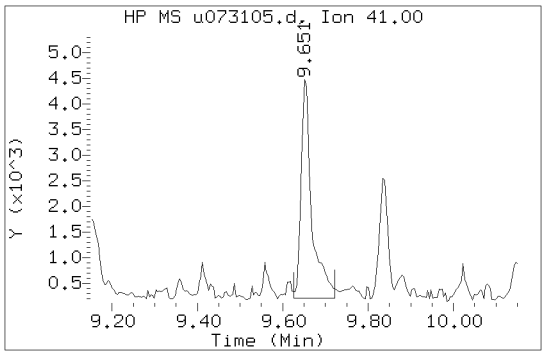
Butyl methacrylate (97-88-1)

Reason Code:

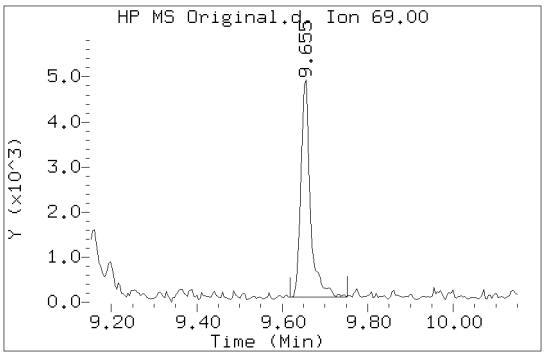
BEFORE
MASS
41
AREA
7671
HEIGHT
4267
01-Aug-2023
21:03



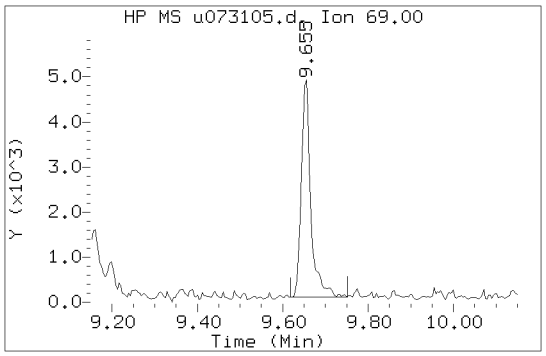
AFTER
MASS
41
AREA
7671
HEIGHT
4267
01-Aug-2023
21:03



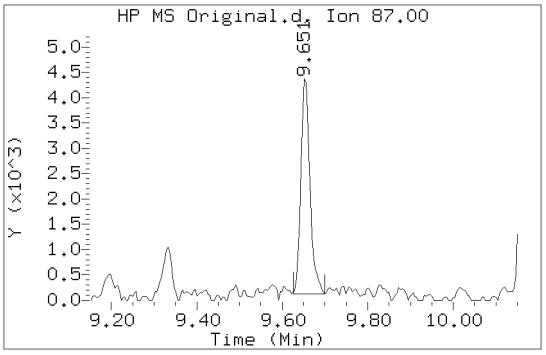
BEFORE
MASS
69
AREA
7636
HEIGHT
4818
01-Aug-2023
21:03



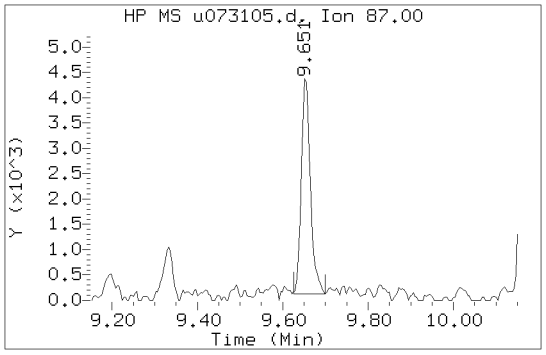
AFTER
MASS
69
AREA
7636
HEIGHT
4818
01-Aug-2023
21:03



BEFORE
MASS
87
AREA
6464
HEIGHT
4246
01-Aug-2023
21:03



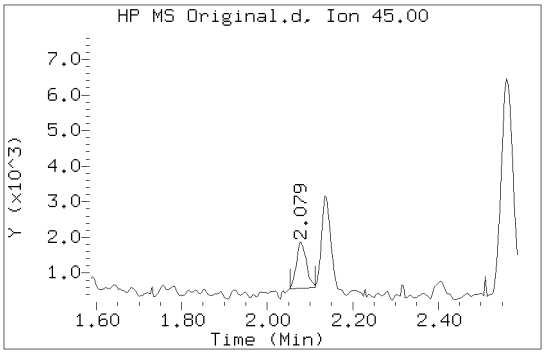
AFTER
MASS
87
AREA
6464
HEIGHT
4246
01-Aug-2023
21:03



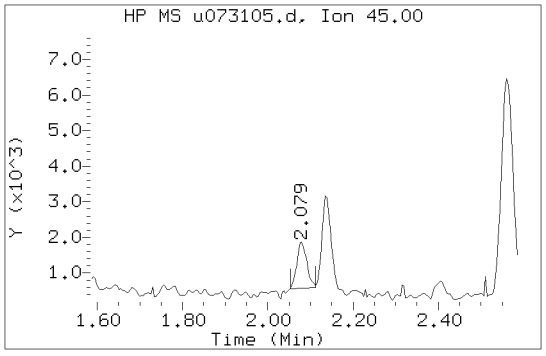
Ethanol (64-17-5)

Reason Code:

BEFORE
MASS
45
AREA
2145
HEIGHT
1308
01-Aug-2023
21:03



AFTER
MASS
45
AREA
2145
HEIGHT
1308
01-Aug-2023
21:03

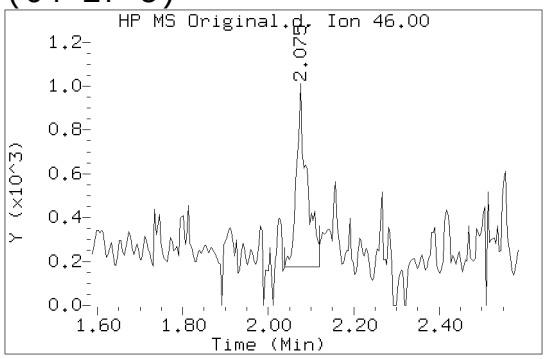


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Inj Date : 31-JUL-2023 12:59
InstruID : VOA9.i
LabSampID : VSTD002

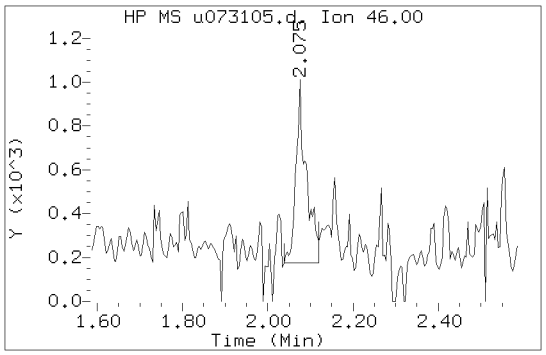
Ethanol (64-17-5)

Reason Code:

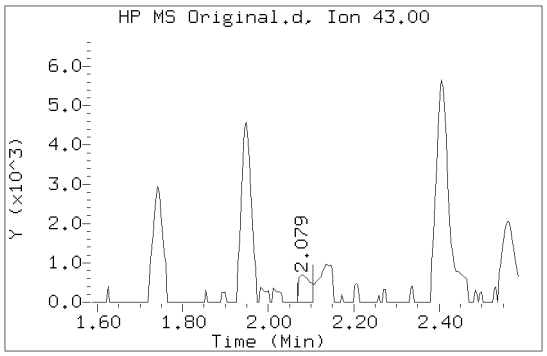
BEFORE
MASS
46
AREA
1416
HEIGHT
835
01-Aug-2023
21:03



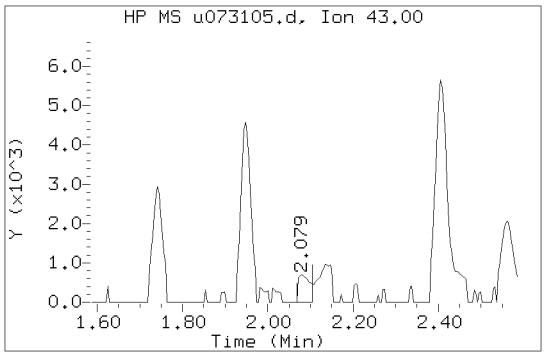
AFTER
MASS
46
AREA
1416
HEIGHT
835
01-Aug-2023
21:03



BEFORE
MASS
43
AREA
1335
HEIGHT
696
01-Aug-2023
21:03



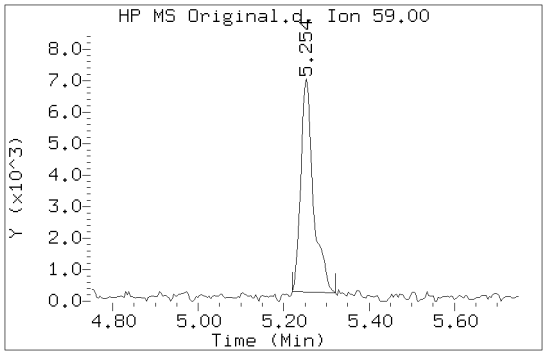
AFTER
MASS
43
AREA
1335
HEIGHT
696
01-Aug-2023
21:03



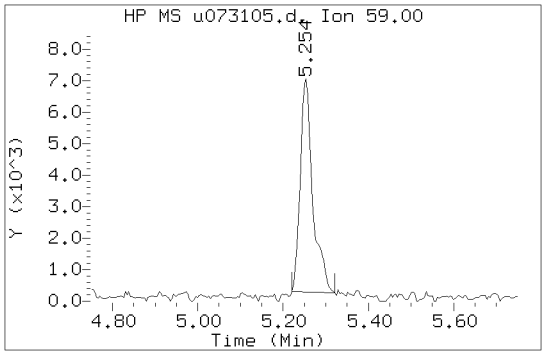
tert-Butyl formate (762-75-4)

Reason Code:

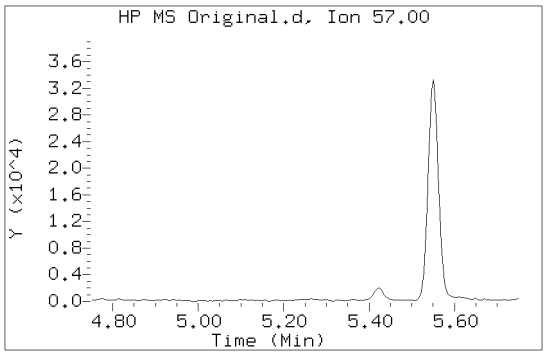
BEFORE
MASS
59
AREA
14015
HEIGHT
6762
01-Aug-2023
21:03



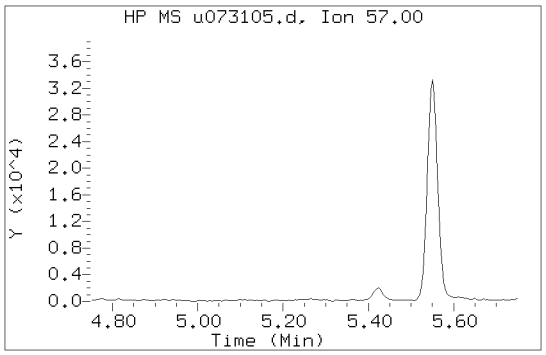
AFTER
MASS
59
AREA
14015
HEIGHT
6762
01-Aug-2023
21:03



BEFORE
MASS
57
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER
MASS
57
AREA
0
HEIGHT
0
01-Aug-2023
21:03



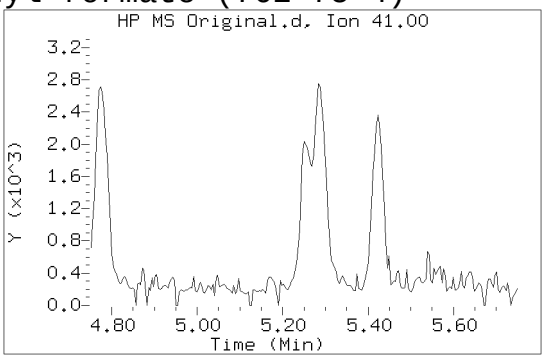
Data File : \\nahstws005\target\chem\voa9.i\u230731.b\u073105.d
Inj Date : 31-JUL-2023 12:59
InstruID : VOA9.i
LabSampID : VSTD002

tert-Butyl formate (762-75-4)

Reason Code:

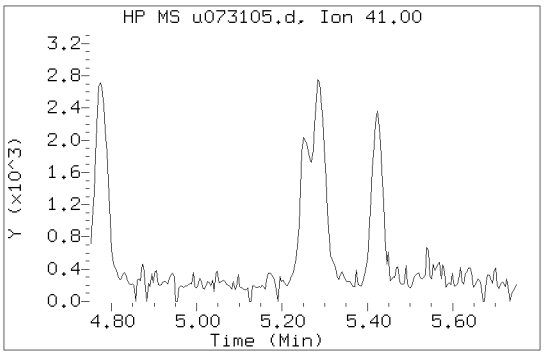
BEFORE

MASS
41
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER

MASS
41
AREA
0
HEIGHT
0
01-Aug-2023
21:03

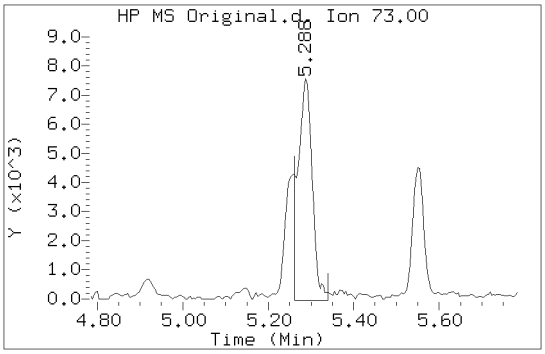


tert-Amyl methyl ether (974-05-08)

Reason Code:

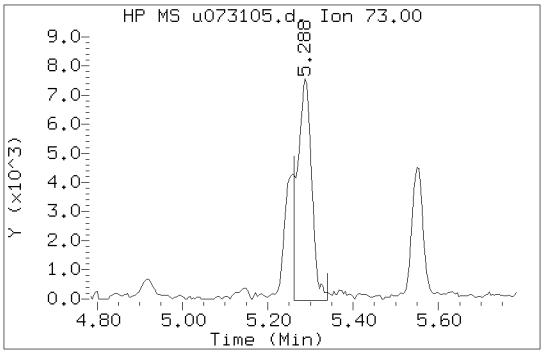
BEFORE

MASS
73
AREA
17751
HEIGHT
7610
01-Aug-2023
21:03



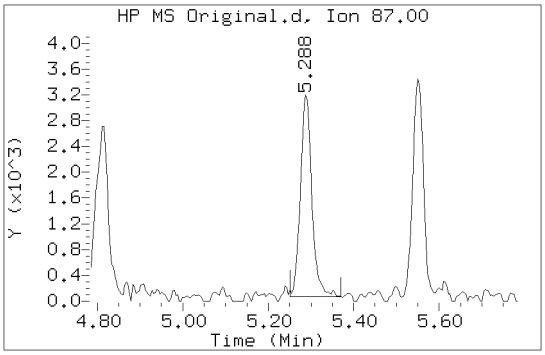
AFTER

MASS
73
AREA
17751
HEIGHT
7610
01-Aug-2023
21:03



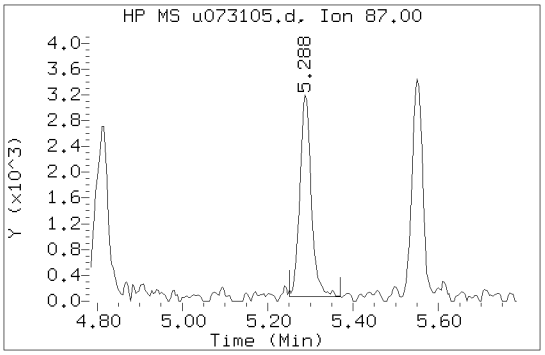
BEFORE

MASS
87
AREA
5991
HEIGHT
3129
01-Aug-2023
21:03



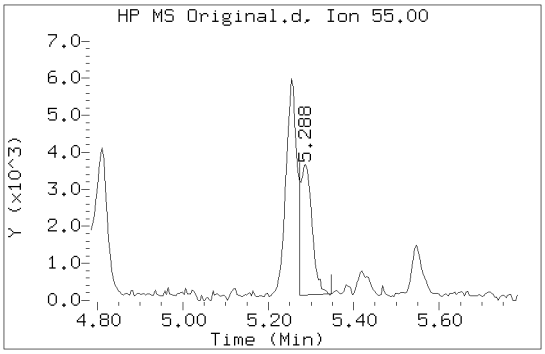
AFTER

MASS
87
AREA
5991
HEIGHT
3129
01-Aug-2023
21:03



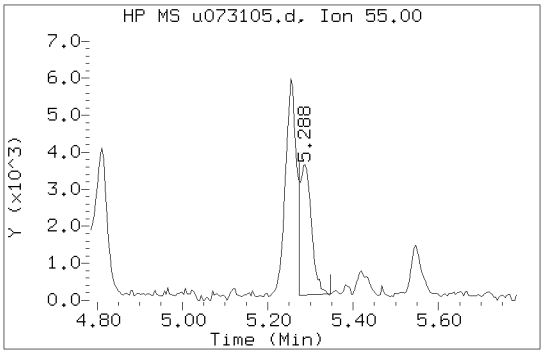
BEFORE

MASS
55
AREA
7022
HEIGHT
3527
01-Aug-2023
21:03



AFTER

MASS
55
AREA
7022
HEIGHT
3527
01-Aug-2023
21:03

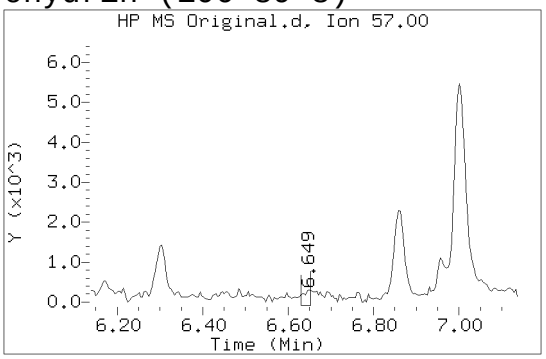


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Inj Date : 31-JUL-2023 12:59
InstruID : VOA9.i
LabSampID : VSTD002

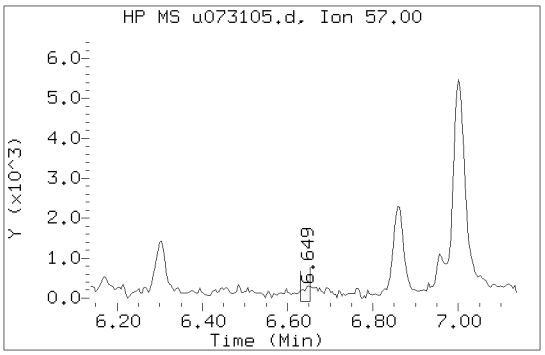
Epichlorohydrin (106-89-8)

Reason Code:

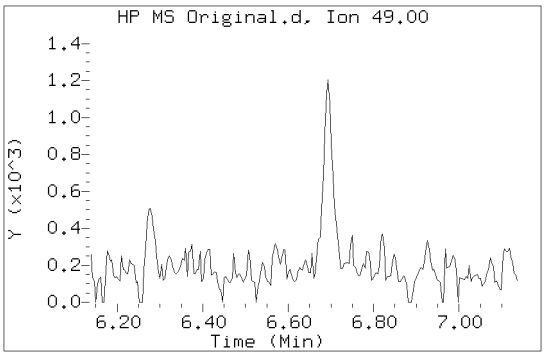
BEFORE
MASS
57
AREA
503
HEIGHT
381
01-Aug-2023
21:03



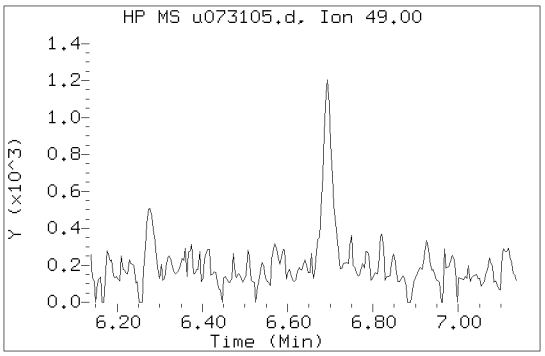
AFTER
MASS
57
AREA
503
HEIGHT
381
01-Aug-2023
21:03



BEFORE
MASS
49
AREA
0
HEIGHT
0
01-Aug-2023
21:03



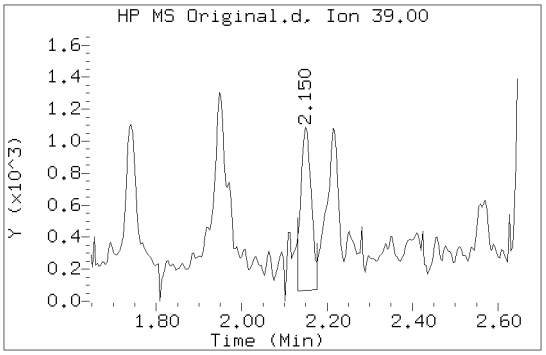
AFTER
MASS
49
AREA
0
HEIGHT
0
01-Aug-2023
21:03



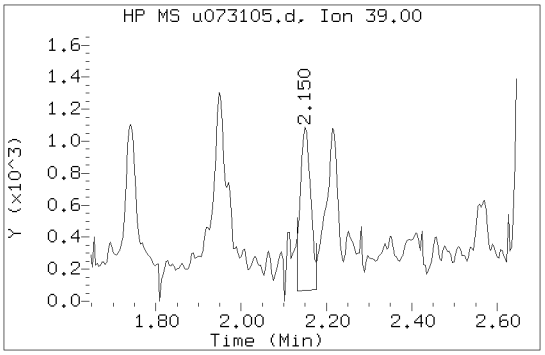
Isoprene (78-79-5)

Reason Code:

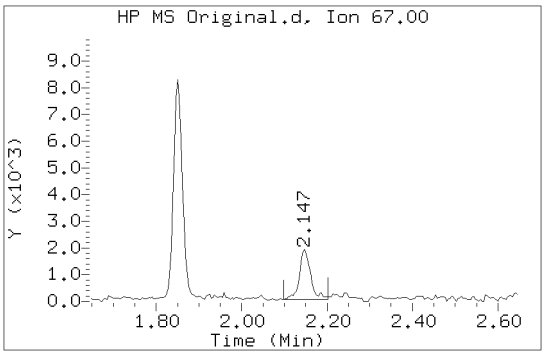
BEFORE
MASS
39
AREA
1788
HEIGHT
1023
01-Aug-2023
21:03



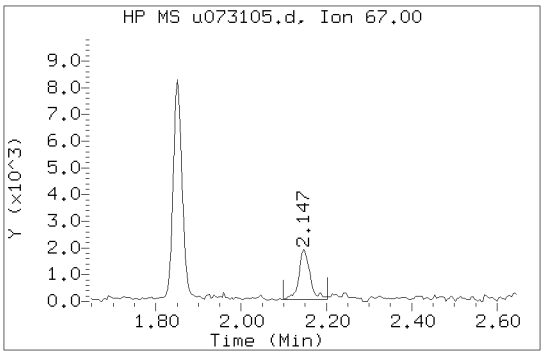
AFTER
MASS
39
AREA
1788
HEIGHT
1023
01-Aug-2023
21:03



BEFORE
MASS
67
AREA
3419
HEIGHT
1866
01-Aug-2023
21:03



AFTER
MASS
67
AREA
3419
HEIGHT
1866
01-Aug-2023
21:03



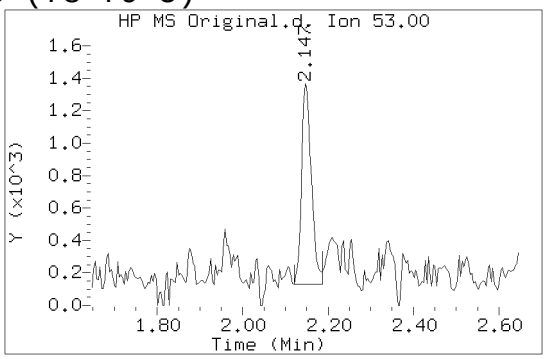
Data File : \\nahstws005\target\chem\voa9.i\u230731.b\u073105.d
Inj Date : 31-JUL-2023 12:59
InstruID : VOA9.i
LabSampID : VSTD002

Isoprene (78-79-5)

Reason Code:

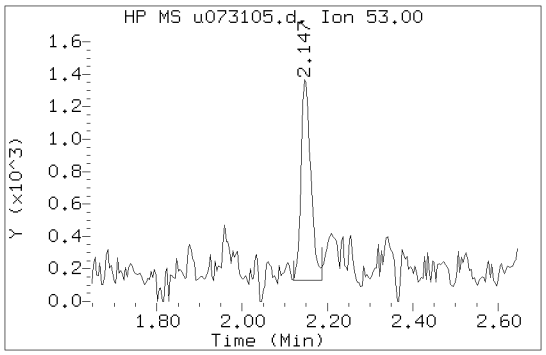
BEFORE

MASS
53
AREA
2020
HEIGHT
1238
01-Aug-2023
21:03



AFTER

MASS
53
AREA
2020
HEIGHT
1238
01-Aug-2023
21:03

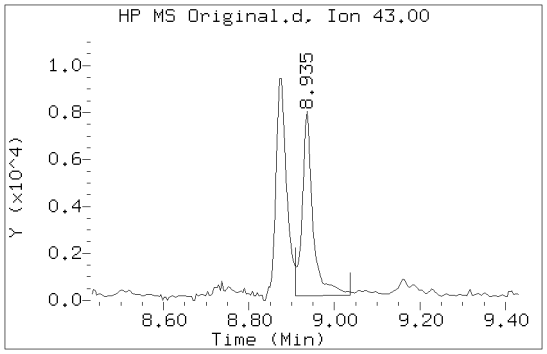


n-Amyl acetate (628-63-7)

Reason Code:

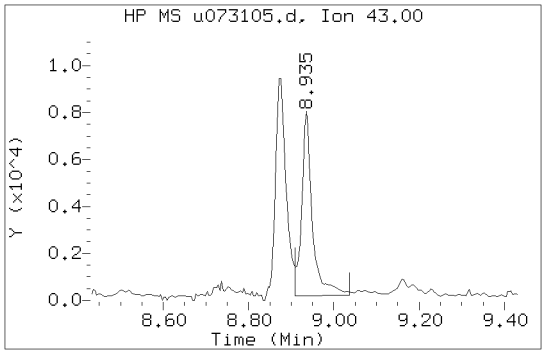
BEFORE

MASS
43
AREA
13983
HEIGHT
7855
01-Aug-2023
21:03



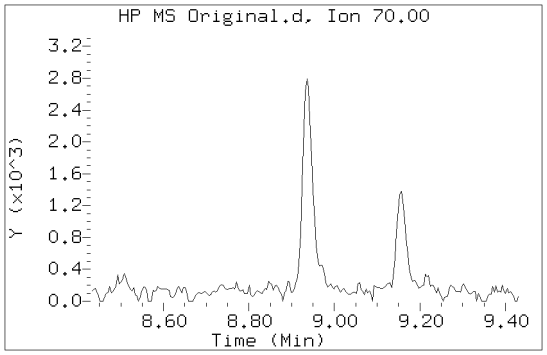
AFTER

MASS
43
AREA
13983
HEIGHT
7855
01-Aug-2023
21:03



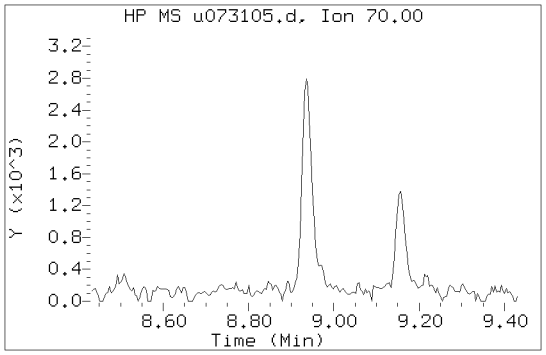
BEFORE

MASS
70
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HEIGHT
0
01-Aug-2023
21:03



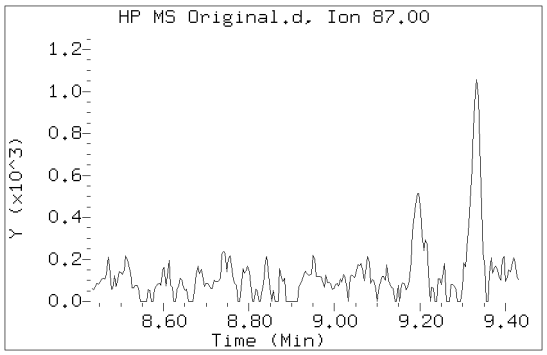
AFTER

MASS
70
AREA
0
HEIGHT
0
01-Aug-2023
21:03



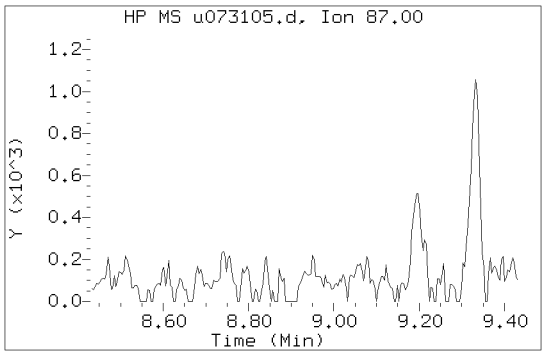
BEFORE

MASS
87
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER

MASS
87
AREA
0
HEIGHT
0
01-Aug-2023
21:03

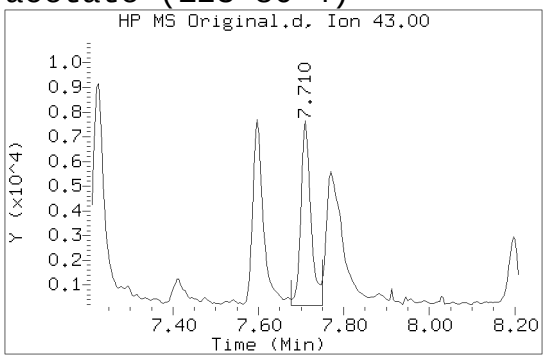


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Inj Date : 31-JUL-2023 12:59
InstruID : VOA9.i
LabSampID : VSTD002

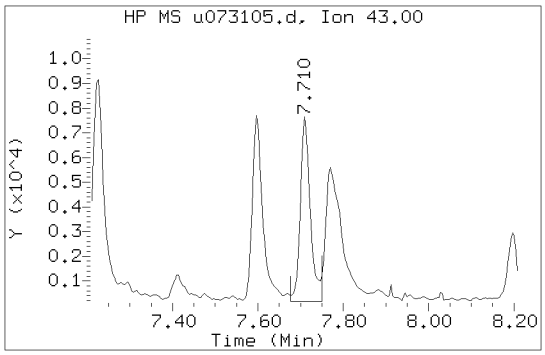
n-Butyl acetate (123-86-4)

Reason Code:

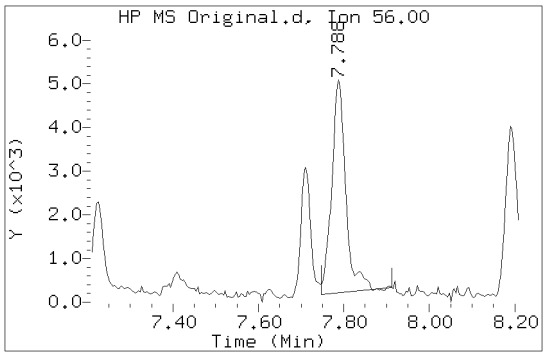
BEFORE
MASS
43
AREA
12613
HEIGHT
7463
01-Aug-2023
21:03



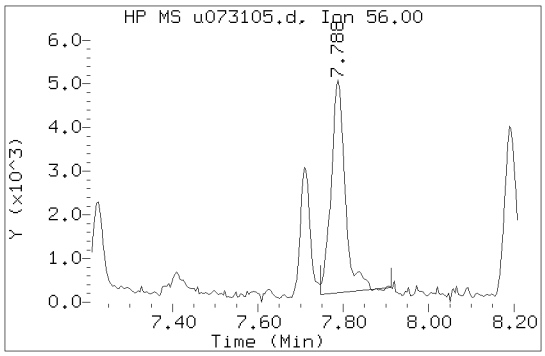
AFTER
MASS
43
AREA
12613
HEIGHT
7463
01-Aug-2023
21:03



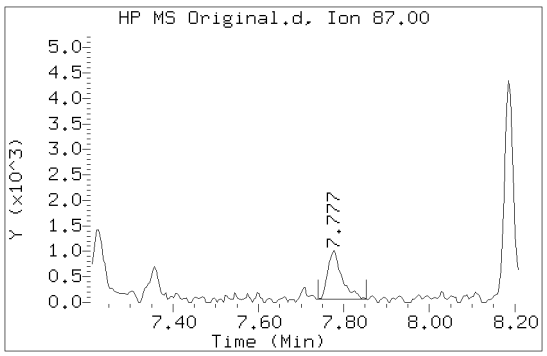
BEFORE
MASS
56
AREA
11094
HEIGHT
4877
01-Aug-2023
21:03



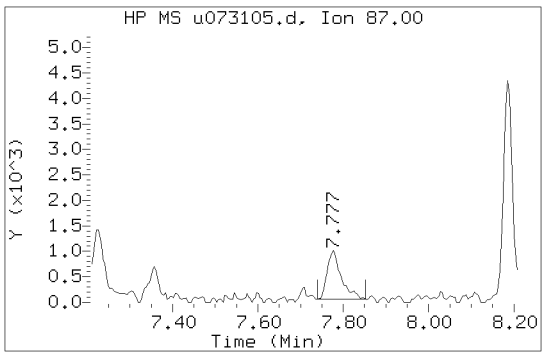
AFTER
MASS
56
AREA
11094
HEIGHT
4877
01-Aug-2023
21:03



BEFORE
MASS
87
AREA
2164
HEIGHT
955
01-Aug-2023
21:03



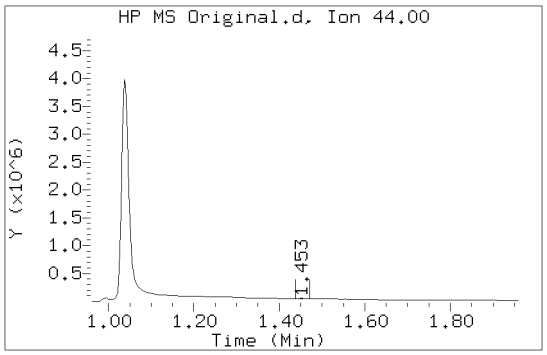
AFTER
MASS
87
AREA
2164
HEIGHT
955
01-Aug-2023
21:03



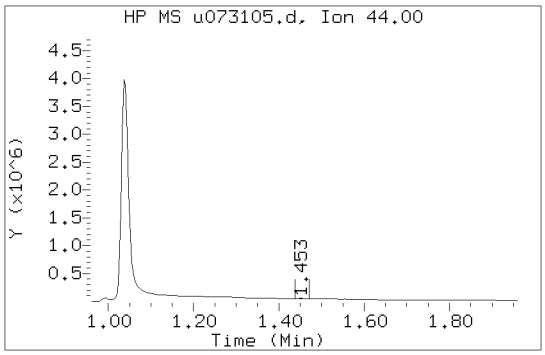
Acetaldehyde (75-07-0)

Reason Code:

BEFORE
MASS
44
AREA
5632
HEIGHT
5441
01-Aug-2023
21:03



AFTER
MASS
44
AREA
5632
HEIGHT
5441
01-Aug-2023
21:03

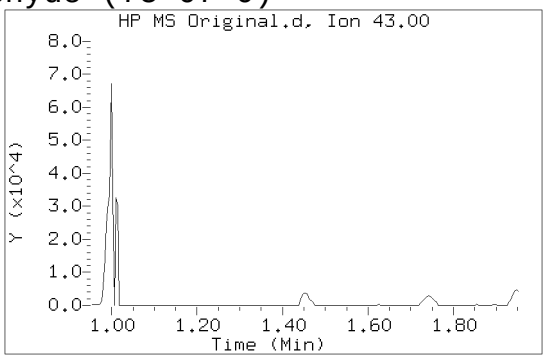


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Inj Date : 31-JUL-2023 12:59
InstruID : VOA9.i
LabSampID : VSTD002

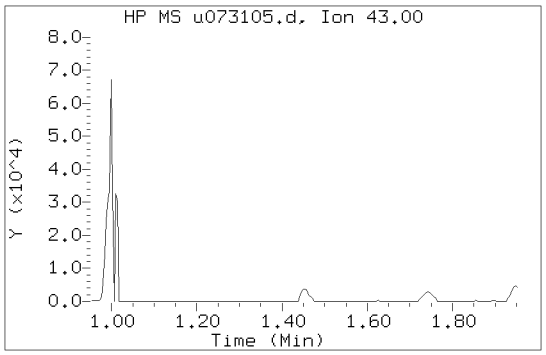
Acetaldehyde (75-07-0)

Reason Code:

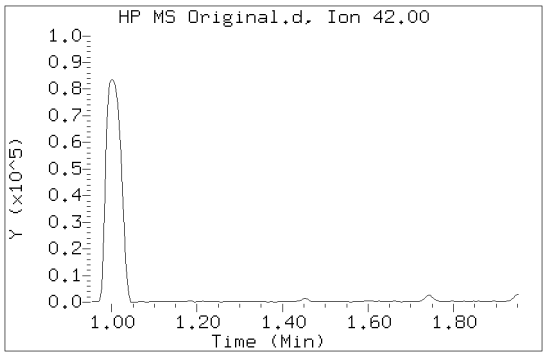
BEFORE
MASS
43
AREA
0
HEIGHT
0
01-Aug-2023
21:03



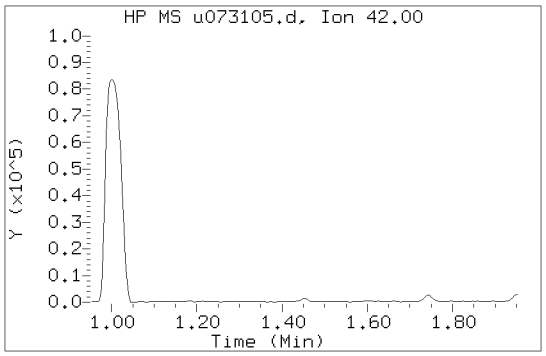
AFTER
MASS
43
AREA
0
HEIGHT
0
01-Aug-2023
21:03



BEFORE
MASS
42
AREA
0
HEIGHT
0
01-Aug-2023
21:03



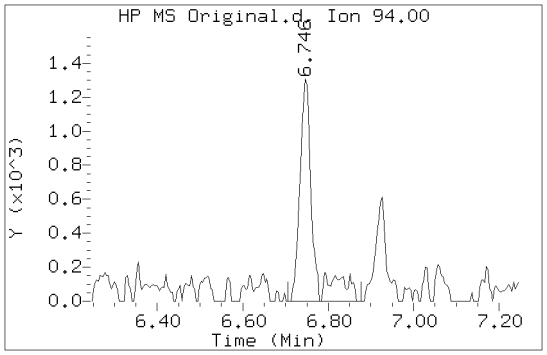
AFTER
MASS
42
AREA
0
HEIGHT
0
01-Aug-2023
21:03



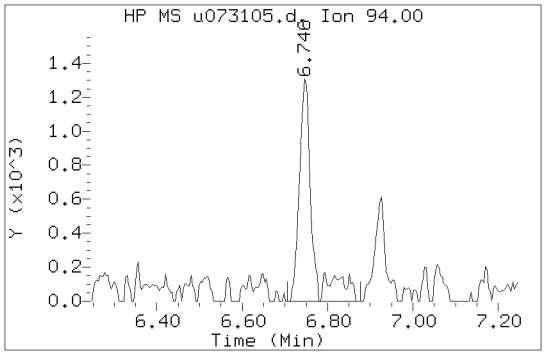
Dimethyl Disulfide (624-92-0)

Reason Code:

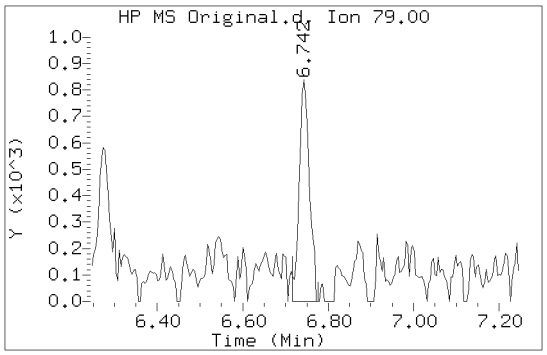
BEFORE
MASS
94
AREA
2883
HEIGHT
1308
01-Aug-2023
21:03



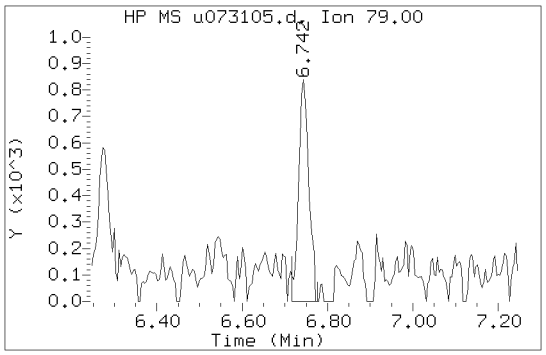
AFTER
MASS
94
AREA
2883
HEIGHT
1308
01-Aug-2023
21:03



BEFORE
MASS
79
AREA
1422
HEIGHT
839
01-Aug-2023
21:03



AFTER
MASS
79
AREA
1422
HEIGHT
839
01-Aug-2023
21:03

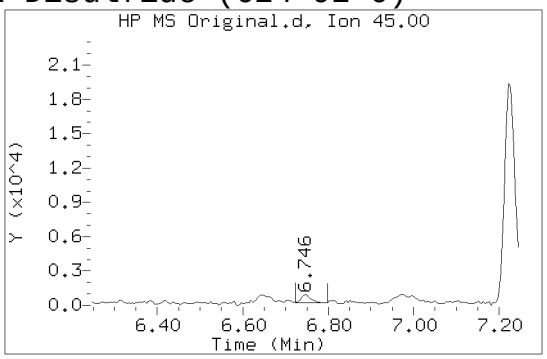


Data File : \\nahstws005\target\chem\voa9.i\u230731.b\u073105.d
Inj Date : 31-JUL-2023 12:59
InstruID : VOA9.i
LabSampID : VSTD002

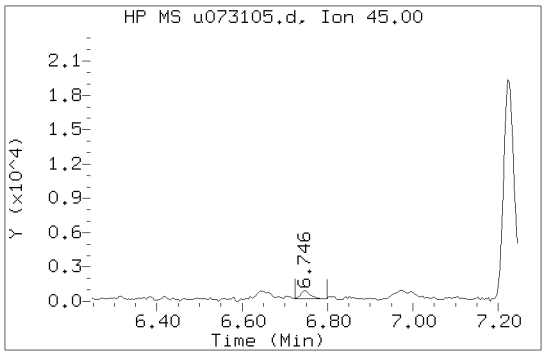
Dimethyl Disulfide (624-92-0)

Reason Code:

BEFORE
MASS
45
AREA
1145
HEIGHT
759
01-Aug-2023
21:03



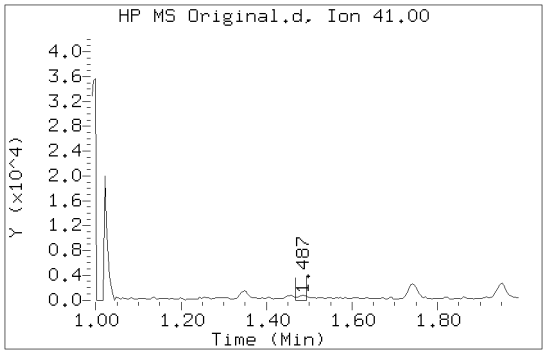
AFTER
MASS
45
AREA
1145
HEIGHT
759
01-Aug-2023
21:03



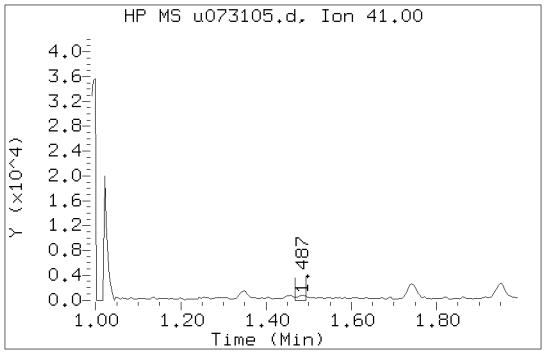
Isobutylene (115-11-7)

Reason Code:

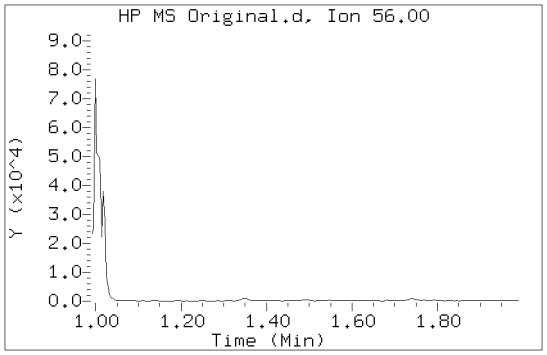
BEFORE
MASS
41
AREA
1159
HEIGHT
816
01-Aug-2023
21:03



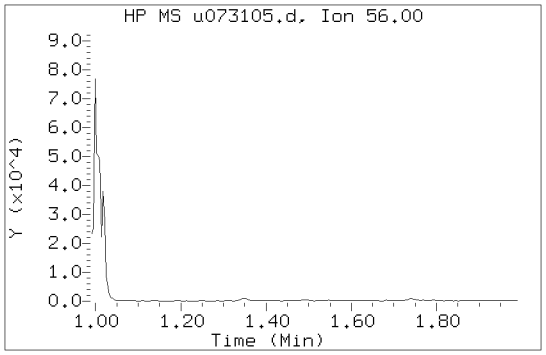
AFTER
MASS
41
AREA
1159
HEIGHT
816
01-Aug-2023
21:03



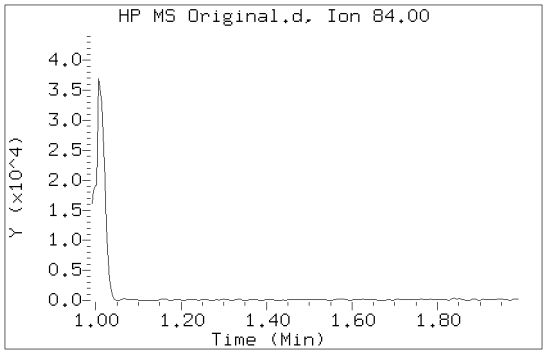
BEFORE
MASS
56
AREA
0
HEIGHT
0
01-Aug-2023
21:03



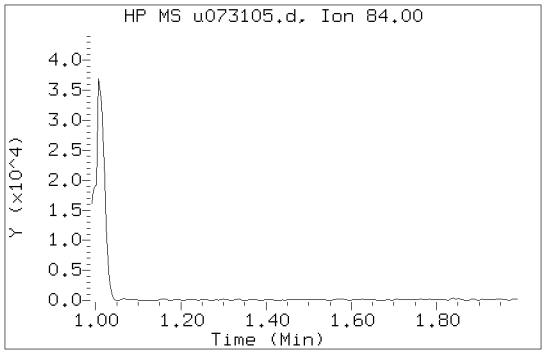
AFTER
MASS
56
AREA
0
HEIGHT
0
01-Aug-2023
21:03



BEFORE
MASS
84
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER
MASS
84
AREA
0
HEIGHT
0
01-Aug-2023
21:03

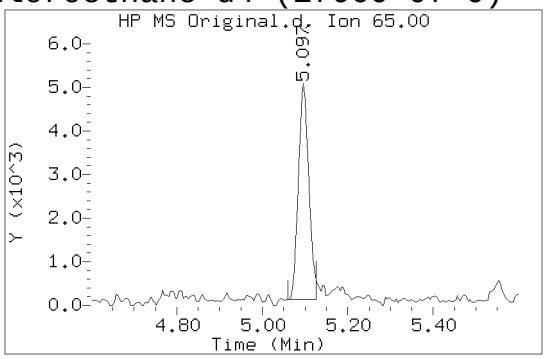


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Inj Date : 31-JUL-2023 12:59
InstruID : VOA9.i
LabSampID : VSTD002

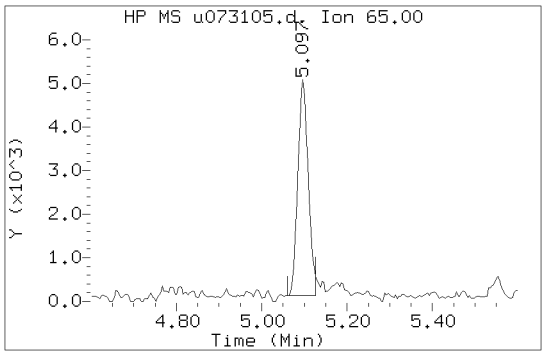
1,2-Dichloroethane-d4 (17060-07-0)

Reason Code:

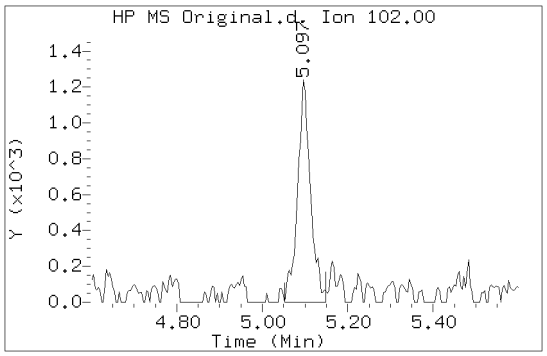
BEFORE
MASS
65
AREA
8650
HEIGHT
4958
01-Aug-2023
21:03



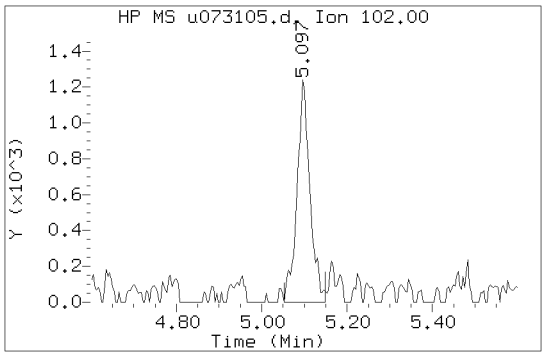
AFTER
MASS
65
AREA
8650
HEIGHT
4958
01-Aug-2023
21:03



BEFORE
MASS
102
AREA
2654
HEIGHT
1240
01-Aug-2023
21:03



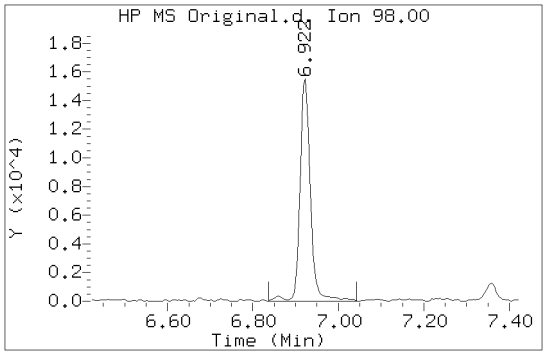
AFTER
MASS
102
AREA
2654
HEIGHT
1240
01-Aug-2023
21:03



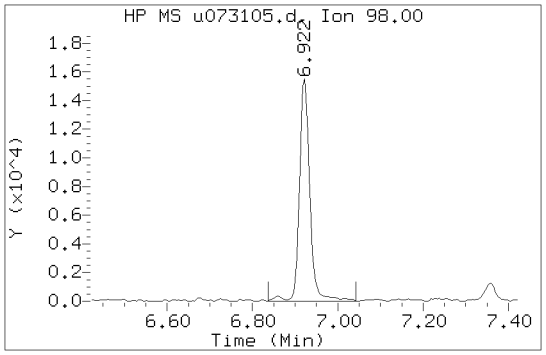
Toluene-d8 (2037-26-5)

Reason Code:

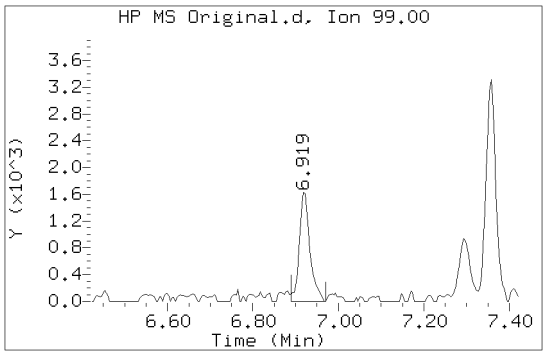
BEFORE
MASS
98
AREA
27056
HEIGHT
15514
01-Aug-2023
21:03



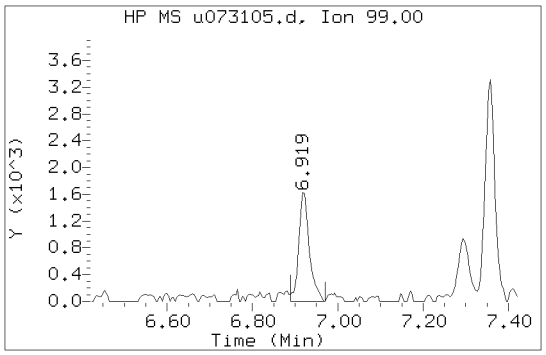
AFTER
MASS
98
AREA
27056
HEIGHT
15514
01-Aug-2023
21:03



BEFORE
MASS
99
AREA
2902
HEIGHT
1630
01-Aug-2023
21:03



AFTER
MASS
99
AREA
2902
HEIGHT
1630
01-Aug-2023
21:03



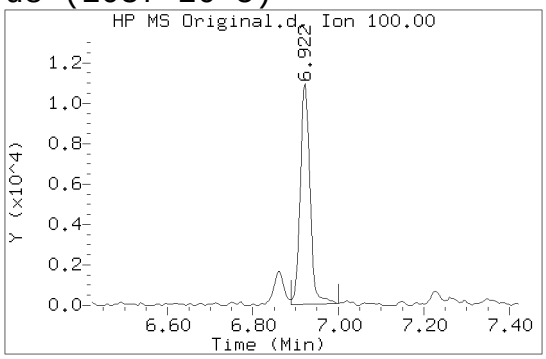
Data File : \\nahstws005\target\chem\voa9.i\u230731.b\u073105.d
Inj Date : 31-JUL-2023 12:59
InstruID : VOA9.i
LabSampID : VSTD002

Toluene-d8 (2037-26-5)

Reason Code:

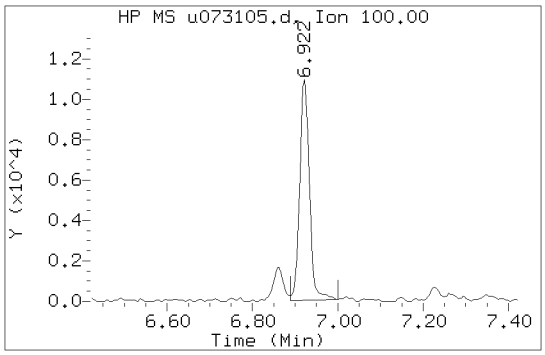
BEFORE

MASS
100
AREA
17639
HEIGHT
10907
01-Aug-2023
21:03



AFTER

MASS
100
AREA
17639
HEIGHT
10907
01-Aug-2023
21:03



Data File: \\NAHSTWS005\Target\chem\voa9.i\U230731.b\U073106.D Page 1
Report Date: 07-Aug-2023 11:14

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230731.b\U073106.D
Lab Smp Id: VSTD005 Client Smp ID: VSTD005
Inj Date : 31-JUL-2023 13:22
Operator : PC Inst ID: VOA9.i
Smp Info : VSTD005;VSTD005;1;5;
Misc Info : V9;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa9.i\U230731.b\8260C.m
Meth Date : 07-Aug-2023 11:14 VOA9.i Quant Type: ISTD
Cal Date : 31-JUL-2023 12:59 Cal File: U073105.D
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 08260V9.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
* 1	Pentafluorobenzene	168	4.811	4.811	(1.000)	477296	50.0000	
2	Dichlorodifluoromethane	85	1.160	1.160	(0.241)	23279	5.00000	6.22(M)
3	Chloromethane	50	1.295	1.295	(0.269)	32235	5.00000	5.44
5	Vinyl Chloride	62	1.374	1.374	(0.286)	24754	5.00000	5.26
6	Bromomethane	94	1.617	1.617	(0.336)	17093	5.00000	5.32
7	Chloroethane	64	1.696	1.696	(0.353)	15470	5.00000	5.22
8	Trichlorofluoromethane	101	1.891	1.891	(0.393)	30893	5.00000	5.32
9	Acrolein	56	1.745	1.745	(0.363)	2540	10.0000	8.29(M)
10	Acetone	43	2.408	2.408	(0.501)	23014	10.0000	8.49
11	1,1-Dichloroethene	96	2.326	2.326	(0.483)	15997	5.00000	5.08
15	Iodomethane	142	2.461	2.461	(0.512)	21659	10.0000	10.71
16	Acrylonitrile	53	3.064	3.064	(0.637)	15280	10.0000	10.18
17	Methylene Chloride	84	2.791	2.791	(0.580)	23329	5.00000	5.93
18	Methyl tert-butyl ether	73	3.076	3.076	(0.639)	47514	5.00000	4.88
19	Carbon Disulfide	76	2.513	2.513	(0.522)	88861	10.0000	9.70
20	trans-1,2-Dichloroethene	96	3.053	3.053	(0.635)	17352	5.00000	4.92
21	Vinyl Acetate	43	3.608	3.608	(0.750)	96584	10.0000	9.57
22	1,1-Dichloroethane	63	3.511	3.511	(0.730)	33466	5.00000	5.19
24	2-Butanone	43	4.268	4.268	(0.887)	18859	10.0000	10.05
26	2,2-Dichloropropane	77	4.182	4.182	(0.869)	22372	5.00000	5.03

27 cis-1,2-Dichloroethene	96	4.193	4.193 (0.871)	20019	5.00000	5.08
28 Chloroform	83	4.568	4.568 (0.949)	37942	5.00000	5.06

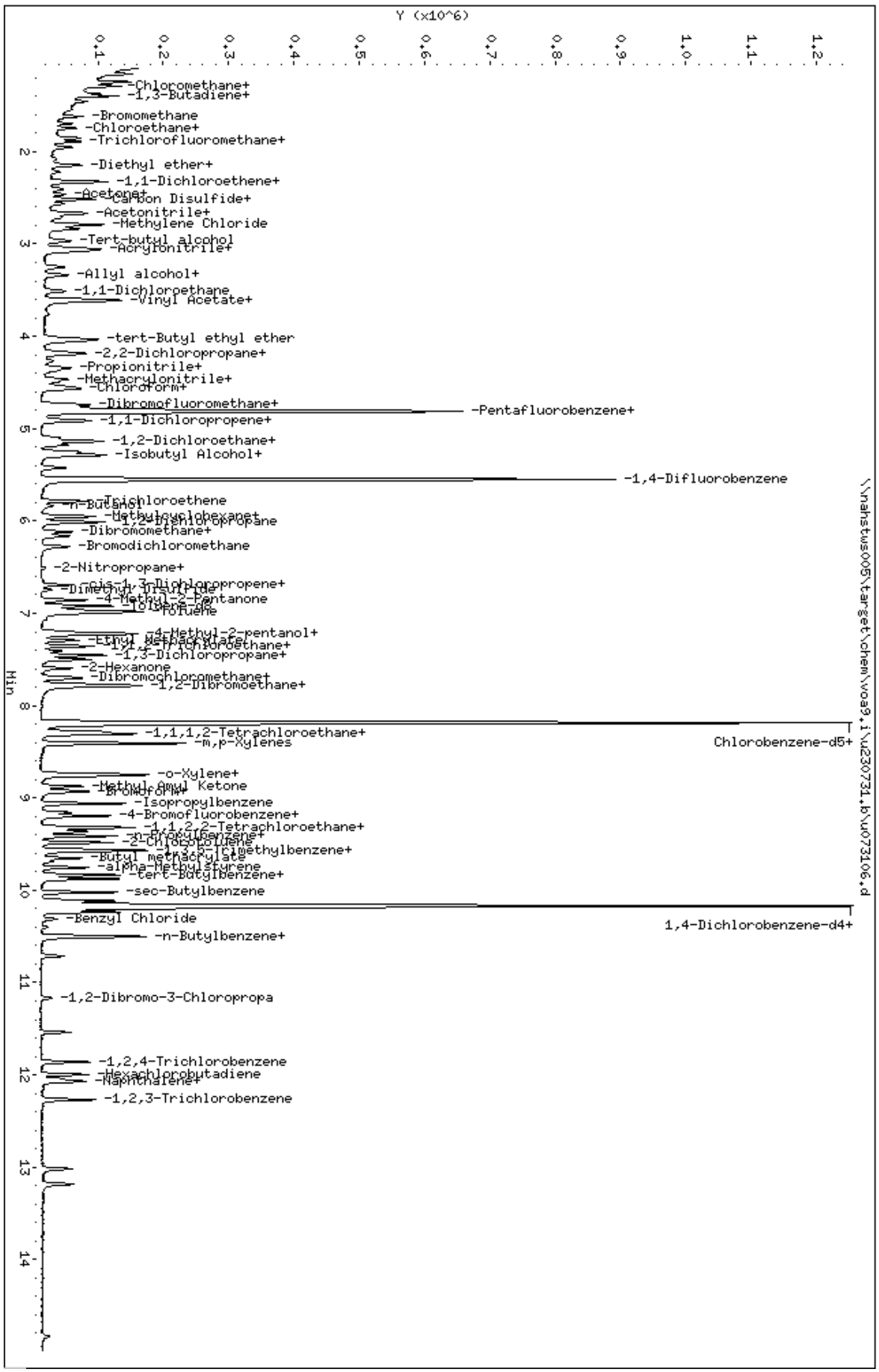
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	29 Bromochloromethane	128	4.463	4.463	(0.928)	11894	5.00000	5.10
$	30 Dibromofluoromethane	113	4.744	4.744	(0.986)	19210	5.00000	4.13
	31 1,1,1-Trichloroethane	97	4.736	4.736	(0.984)	28453	5.00000	4.87
	32 1,1-Dichloropropene	75	4.920	4.920	(0.887)	25772	5.00000	5.06
	33 1,2-Dichloroethane	62	5.175	5.175	(0.932)	31448	5.00000	5.32
	34 Carbon Tetrachloride	117	4.905	4.905	(0.884)	21374	5.00000	4.68
$	35 1,2-Dichloroethane-d4	65	5.096	5.096	(1.059)	21416	5.00000	3.95(M)
*	36 1,4-Difluorobenzene	114	5.550	5.550	(1.000)	685400	50.0000	
	37 Benzene	78	5.137	5.137	(0.926)	87635	5.00000	5.23
	38 Trichloroethene	130	5.786	5.786	(1.043)	23774	5.00000	5.02
	39 Bromodichloromethane	83	6.277	6.277	(1.131)	26251	5.00000	4.90
	41 2-Chloroethylvinyl ether	63	6.569	6.569	(1.184)	737	10.0000	8.48(M)
	42 1,2-Dichloropropane	63	6.011	6.011	(1.083)	22011	5.00000	4.90
	44 Dibromomethane	93	6.120	6.120	(1.103)	15018	5.00000	5.21
	45 4-Methyl-2-Pentanone	43	6.858	6.858	(0.838)	43752	10.0000	9.10
	46 cis-1,3-Dichloropropene	75	6.689	6.689	(1.205)	24292	5.00000	5.60
*	47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	645495	50.0000	
$	48 Toluene-d8	98	6.922	6.922	(0.846)	68368	5.00000	4.55(M)
	50 Toluene	91	6.982	6.982	(0.853)	92158	5.00000	5.25
	51 trans-1,3-Dichloropropene	75	7.199	7.199	(1.297)	21941	5.00000	4.25(M)
	52 2-Hexanone	43	7.597	7.597	(0.928)	30314	10.0000	9.53
	53 1,1,2-Trichloroethane	83	7.357	7.357	(0.899)	18667	5.00000	4.96
	54 1,3-Dichloropropane	76	7.499	7.499	(0.916)	39536	5.00000	5.12
	55 Dibromochloromethane	129	7.690	7.690	(0.940)	20550	5.00000	4.45
	56 Tetrachloroethene	164	7.454	7.454	(0.911)	22560	5.00000	5.28
	57 1,2-Dibromoethane	107	7.788	7.788	(0.951)	22275	5.00000	4.92
	58 1-Chlorohexane	55	8.196	8.196	(1.477)	16825	5.00000	4.70(M)
	59 Chlorobenzene	112	8.208	8.208	(1.003)	63872	5.00000	5.13
	60 1,1,1,2-Tetrachloroethane	131	8.283	8.283	(1.012)	21993	5.00000	4.85
	61 Ethylbenzene	106	8.305	8.305	(1.015)	27211	5.00000	4.83
	62 m,p-Xylenes	106	8.410	8.410	(1.027)	61778	10.0000	9.34
	63 o-Xylene	106	8.747	8.747	(1.069)	30639	5.00000	4.73
	64 Styrene	104	8.762	8.762	(1.071)	43910	5.00000	4.35(M)
	66 Bromoform	173	8.920	8.920	(1.090)	14896	5.00000	4.62
	67 Isopropylbenzene	105	9.062	9.062	(1.107)	75107	5.00000	4.79
	68 1,1,2,2-Tetrachloroethane	83	9.329	9.329	(0.917)	33006	5.00000	5.12
$	69 4-Bromofluorobenzene	95	9.194	9.194	(1.123)	29702	5.00000	3.82
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	334416	50.0000	
	71 1,2,3-Trichloropropane	75	9.362	9.362	(0.920)	27992	5.00000	4.99
	73 n-Propylbenzene	91	9.411	9.411	(0.925)	77798	5.00000	5.63
	74 Bromobenzene	156	9.317	9.317	(0.916)	27954	5.00000	5.05
	75 1,3,5-Trimethylbenzene	105	9.561	9.561	(0.940)	55269	5.00000	4.72
	76 2-Chlorotoluene	91	9.482	9.482	(0.932)	58195	5.00000	4.93
	77 4-Chlorotoluene	91	9.576	9.576	(0.941)	67252	5.00000	5.10
	78 tert-Butylbenzene	119	9.835	9.835	(0.967)	55162	5.00000	4.98
	79 1,2,4-Trimethylbenzene	105	9.880	9.880	(0.971)	61242	5.00000	5.17
	81 sec-Butylbenzene	105	10.022	10.022	(0.985)	69225	5.00000	5.61(M)
	82 p-Isopropyltoluene	119	10.146	10.146	(0.997)	56898	5.00000	5.54
	83 1,3-Dichlorobenzene	146	10.116	10.116	(0.994)	47457	5.00000	5.13
	84 1,4-Dichlorobenzene	146	10.191	10.191	(1.002)	53111	5.00000	5.19
	87 n-Butylbenzene	91	10.491	10.491	(1.031)	44805	5.00000	6.17
	88 1,2-Dichlorobenzene	146	10.506	10.506	(1.033)	48335	5.00000	5.10

89	1,2-Dibromo-3-Chloropropane	155	11.169	11.169 (1.098)	4162	5.00000	4.48
90	1,2,4-Trichlorobenzene	180	11.859	11.859 (1.166)	25884	5.00000	4.44

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	91 Hexachlorobutadiene	225	11.998	11.998	(1.179)	13619	5.00000	6.16(M)
	92 Naphthalene	128	12.069	12.069	(1.186)	51655	5.00000	4.84
	93 1,2,3-Trichlorobenzene	180	12.271	12.271	(1.206)	26348	5.00000	4.42
M	94 1,2-Dichloroethylene (total)	96				37371	10.0000	
M	95 Xylenes (total)	106				92417	15.0000	
	135 1,4-Dioxane	88	6.176	6.176	(1.284)	6838	100.000	99.92(M)
	141 Cyclohexane	56	4.778	4.778	(0.993)	26286	5.00000	4.89(M)
	138 Freon TF	101	2.330	2.330	(0.484)	16029	5.00000	6.05(M)
	140 1,3-Butadiene	54	1.396	1.396	(0.290)	19067	5.00000	5.01
	147 Methylcyclohexane	55	5.947	5.947	(1.072)	42152	5.00000	4.22
	146 Methyl Acetate	43	2.712	2.712	(0.564)	16899	5.00000	4.93
	148 Tert-Butyl alcohol	59	2.967	2.967	(0.617)	44536	100.000	108.21
	149 Isopropyl Alcohol	45	2.562	2.562	(0.533)	24018	100.000	91.05(T)

QC Flag Legend

T - Target compound detected outside RT window.
M - Compound response manually integrated.



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Column phase: DB624

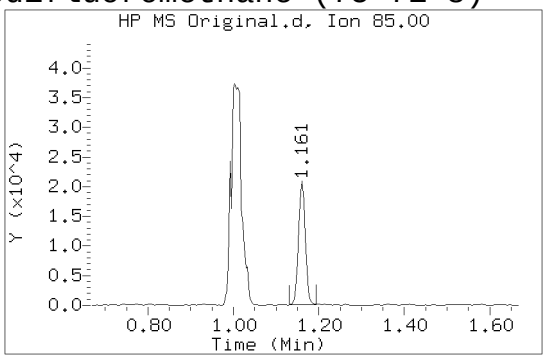
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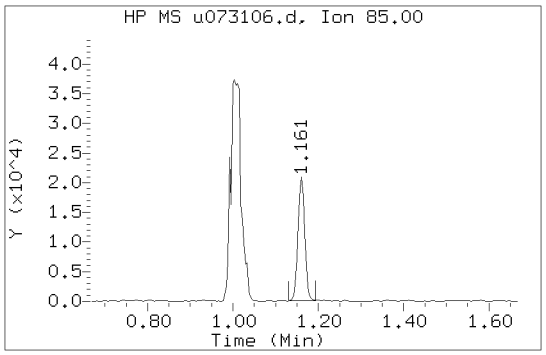
Dichlorodifluoromethane (75-71-8)

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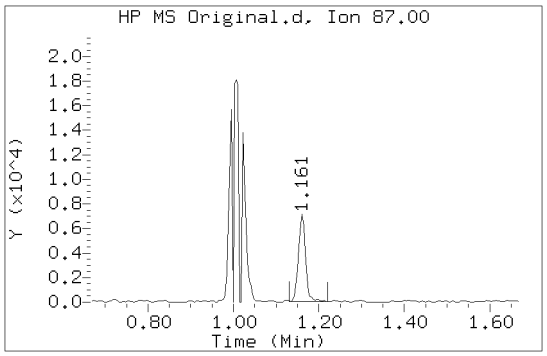
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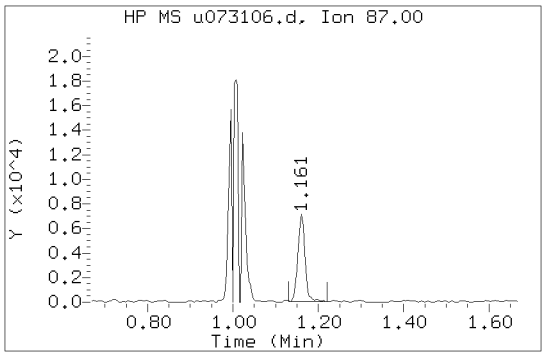
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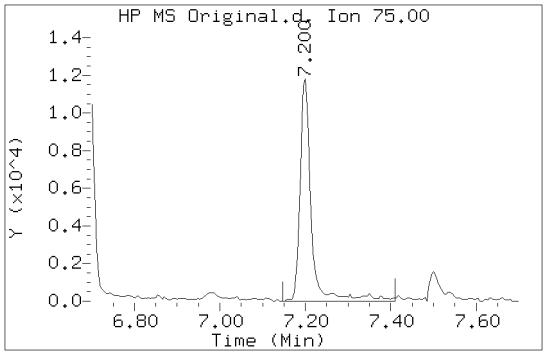
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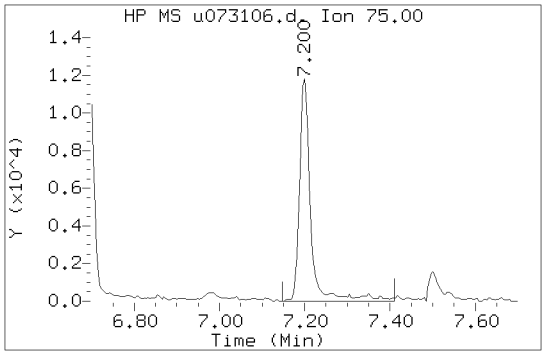
trans-1,3-Dichloropropene (10061-02-6)

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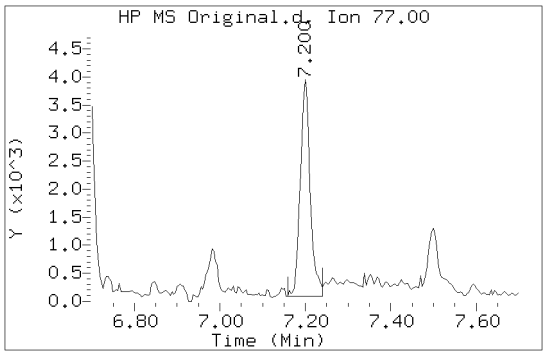
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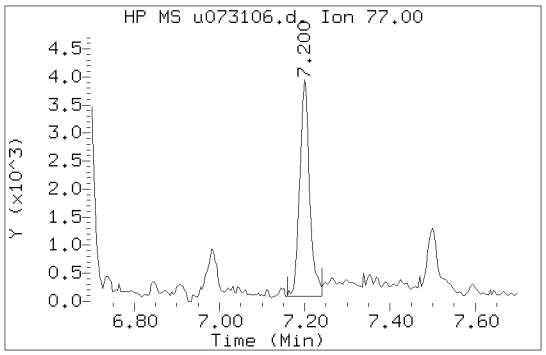
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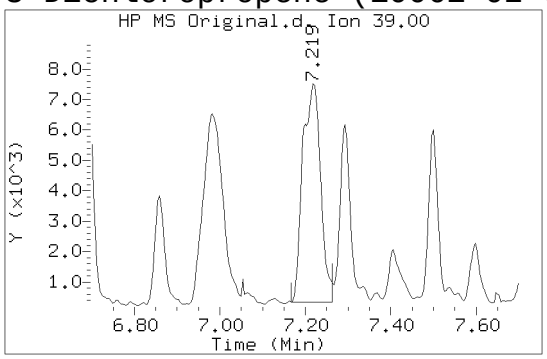
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InstruID : VOA9.i
LabSampID : VSTD005

trans-1,3-Dichloropropene (10061-02-6)

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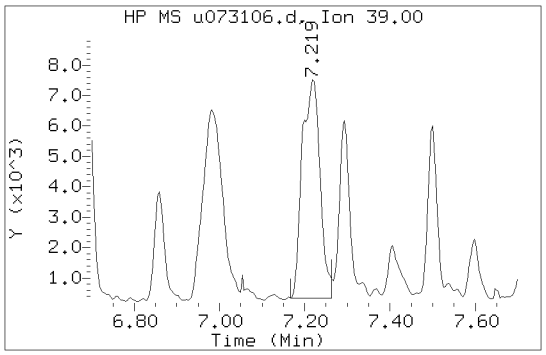
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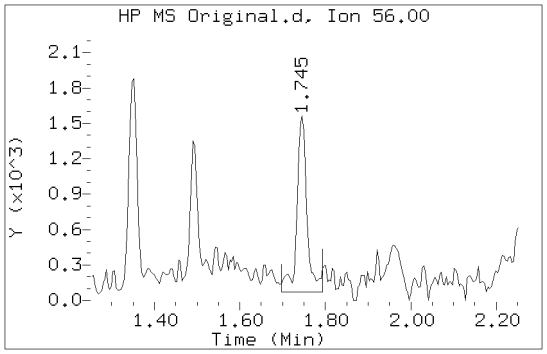


Acrolein (107-02-8)

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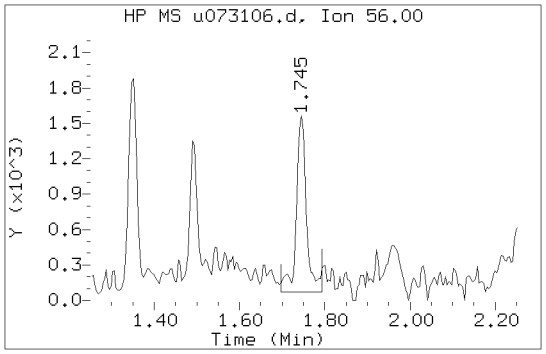
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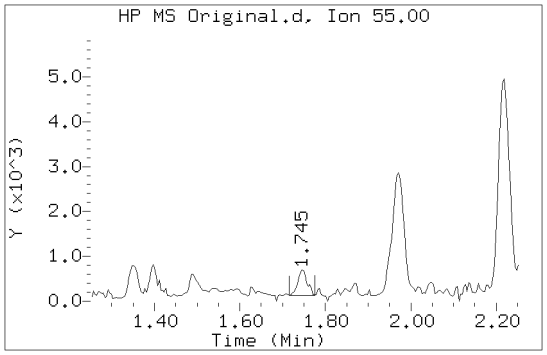
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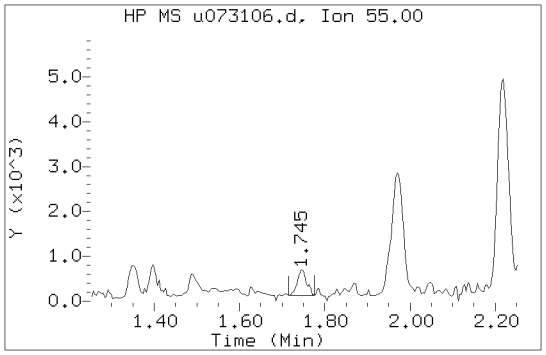
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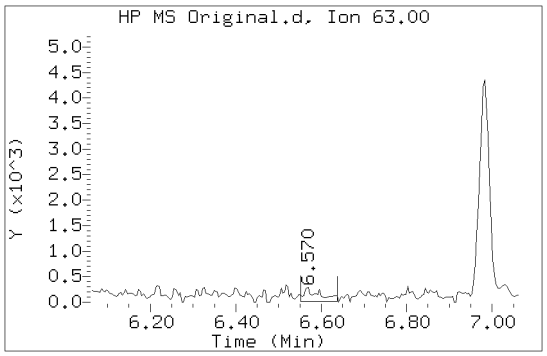


2-Chloroethylvinyl ether (110-75-8)

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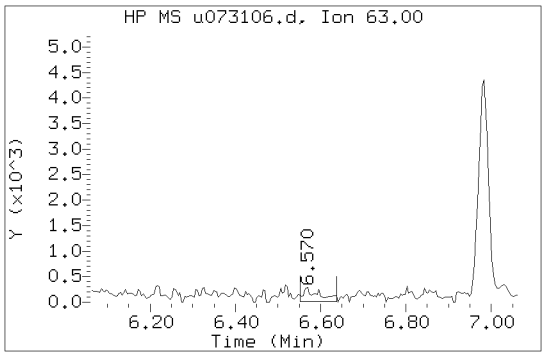
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AFTER

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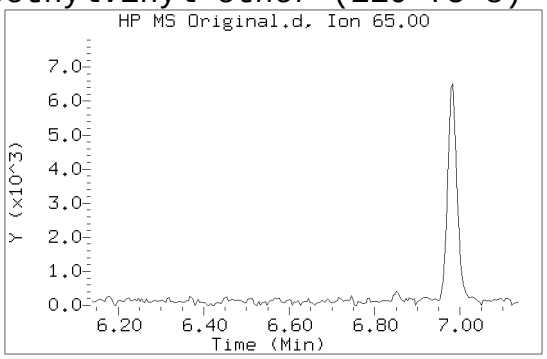


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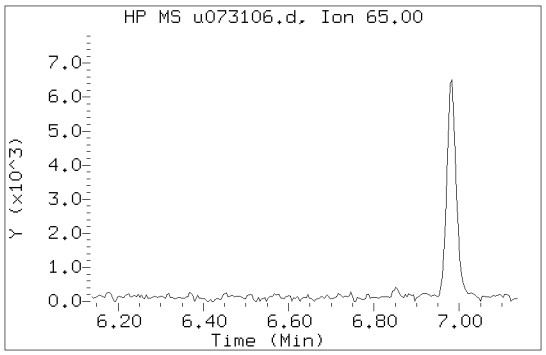
2-Chloroethylvinyl ether (110-75-8)

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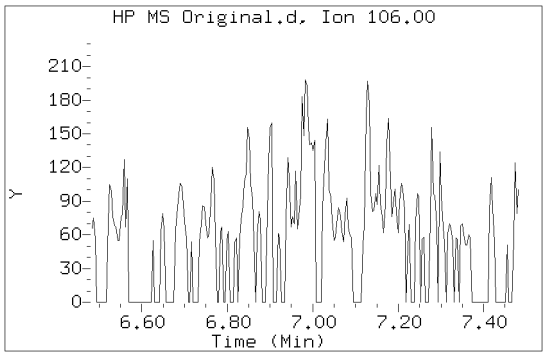
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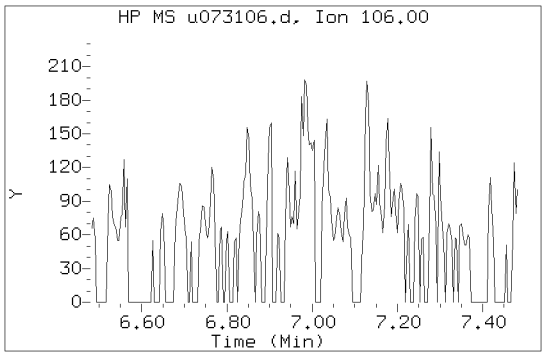
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BEFORE
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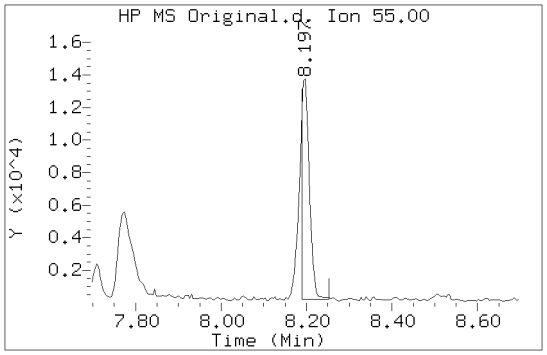
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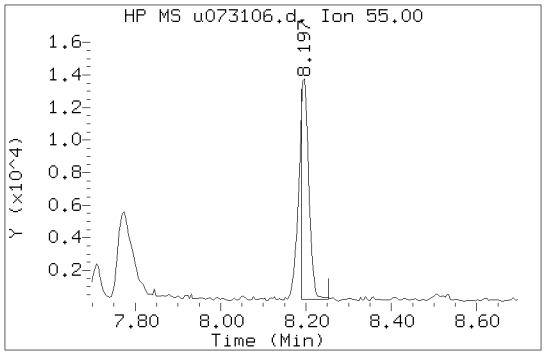
1-Chlorohexane (544-10-5)

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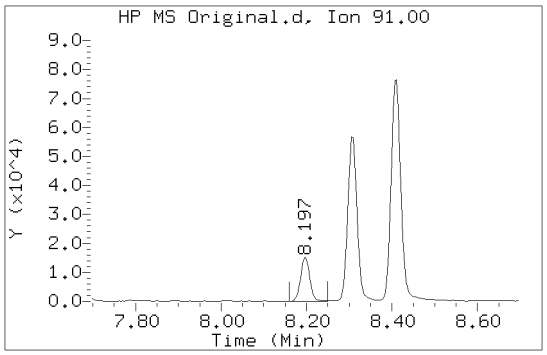
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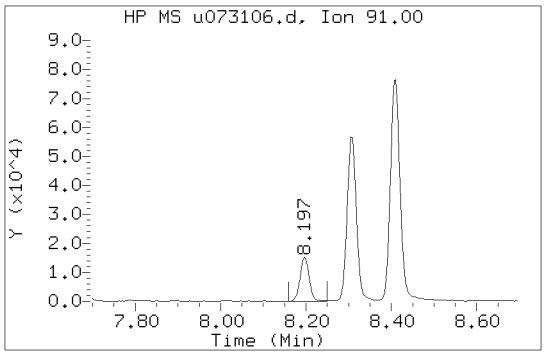
AFTER
MASS
55
AREA
16825
HEIGHT
13526
01-Aug-2023
21:03



BEFORE
MASS
91
AREA
22814
HEIGHT
15106
01-Aug-2023
21:03



AFTER
MASS
91
AREA
22814
HEIGHT
15106
01-Aug-2023
21:03

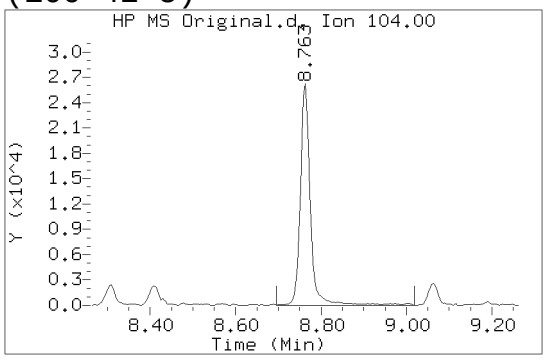


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Inj Date : 31-JUL-2023 13:22
InstruID : VOA9.i
LabSampID : VSTD005

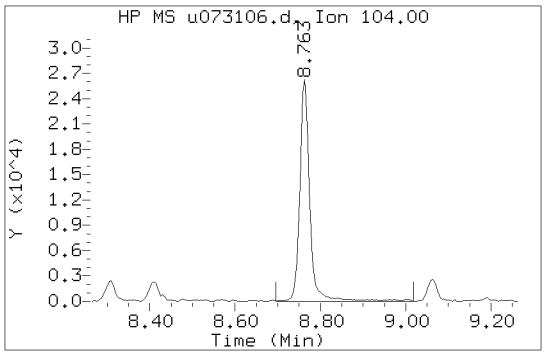
Styrene (100-42-5)

Reason Code:

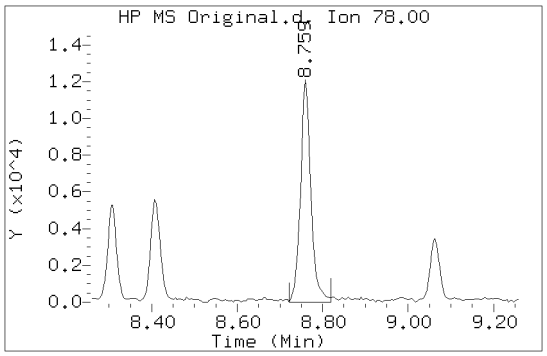
BEFORE
MASS
104
AREA
43910
HEIGHT
26240
01-Aug-2023
21:03



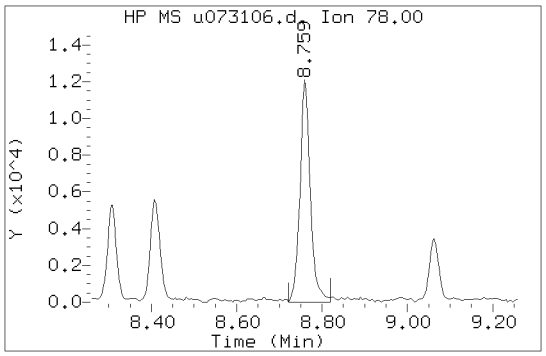
AFTER
MASS
104
AREA
43910
HEIGHT
26240
01-Aug-2023
21:03



BEFORE
MASS
78
AREA
20816
HEIGHT
12099
01-Aug-2023
21:03



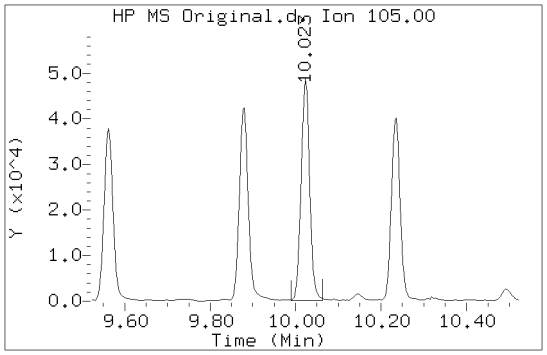
AFTER
MASS
78
AREA
20816
HEIGHT
12099
01-Aug-2023
21:03



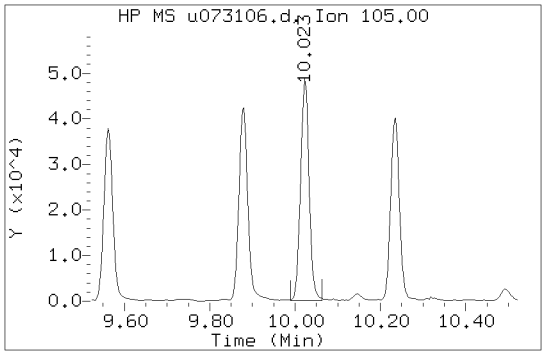
sec-Butylbenzene (135-98-8)

Reason Code:

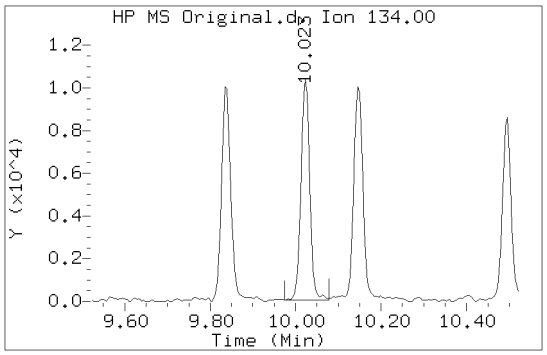
BEFORE
MASS
105
AREA
69225
HEIGHT
48599
01-Aug-2023
21:03



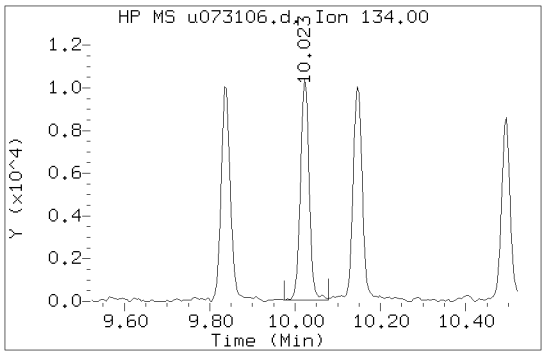
AFTER
MASS
105
AREA
69225
HEIGHT
48599
01-Aug-2023
21:03



BEFORE
MASS
134
AREA
15040
HEIGHT
10312
01-Aug-2023
21:03



AFTER
MASS
134
AREA
15040
HEIGHT
10312
01-Aug-2023
21:03

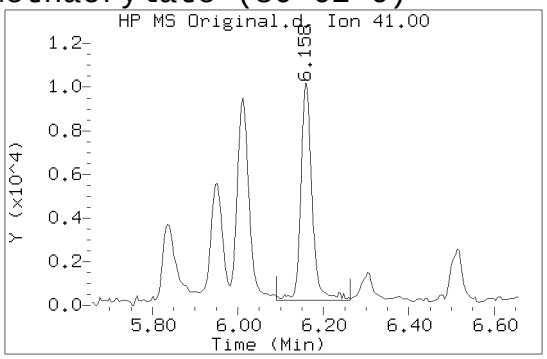


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InstruID : VOA9.i
LabSampID : VSTD005

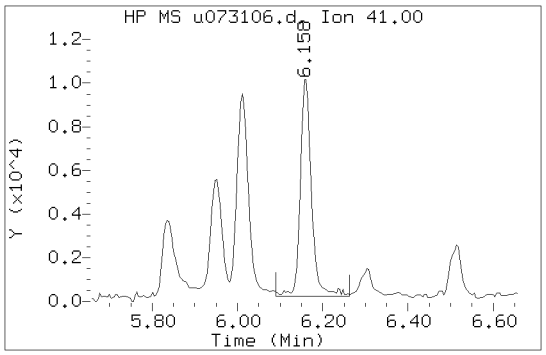
Methyl Methacrylate (80-62-6)

Reason Code:

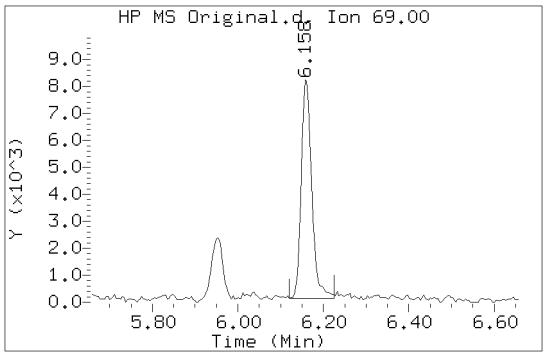
BEFORE
MASS
41
AREA
18757
HEIGHT
9935
01-Aug-2023
21:03



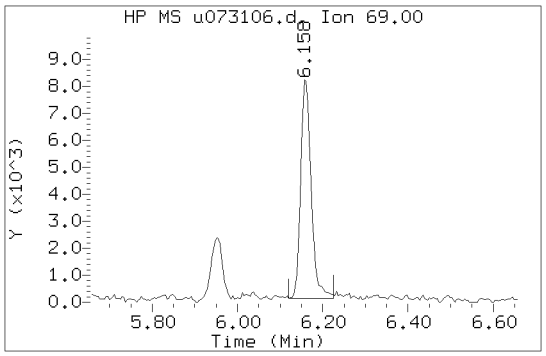
AFTER
MASS
41
AREA
18757
HEIGHT
9935
01-Aug-2023
21:03



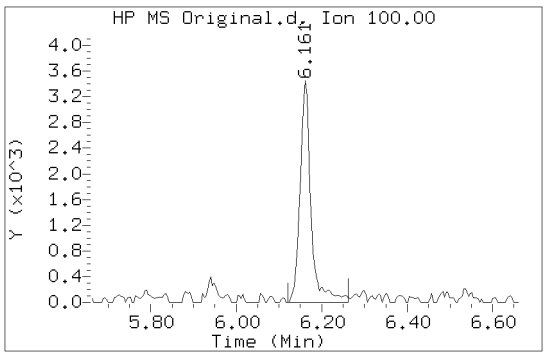
BEFORE
MASS
69
AREA
14157
HEIGHT
8087
01-Aug-2023
21:03



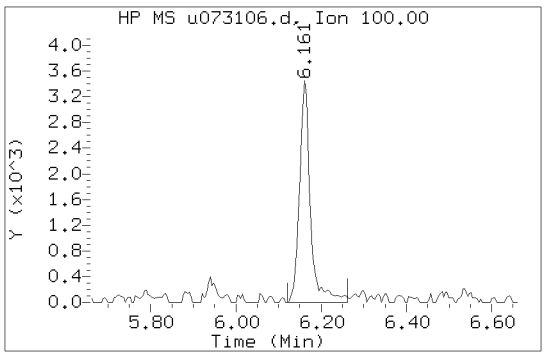
AFTER
MASS
69
AREA
14157
HEIGHT
8087
01-Aug-2023
21:03



BEFORE
MASS
100
AREA
6271
HEIGHT
3450
01-Aug-2023
21:03



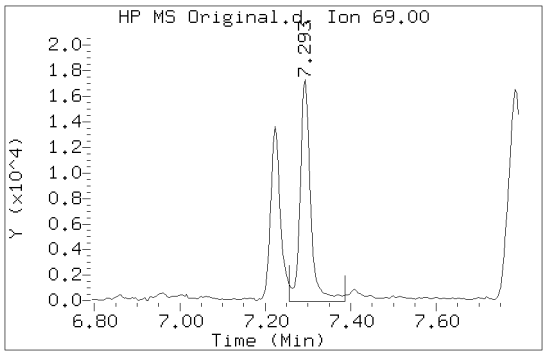
AFTER
MASS
100
AREA
6271
HEIGHT
3450
01-Aug-2023
21:03



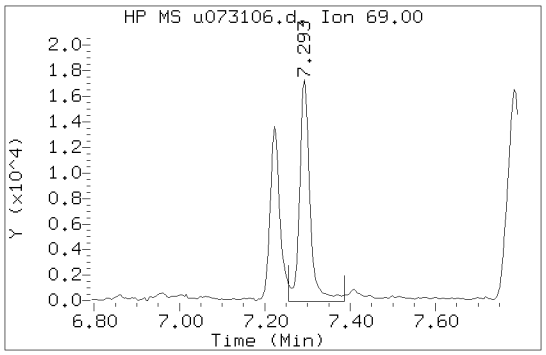
Ethyl Methacrylate (97-63-2)

Reason Code:

BEFORE
MASS
69
AREA
30207
HEIGHT
17342
01-Aug-2023
21:03



AFTER
MASS
69
AREA
30207
HEIGHT
17342
01-Aug-2023
21:03

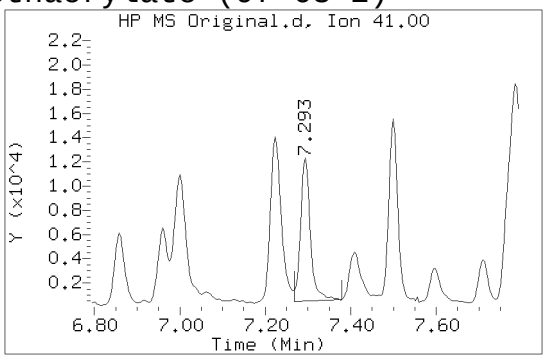


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InstruID : VOA9.i
LabSampID : VSTD005

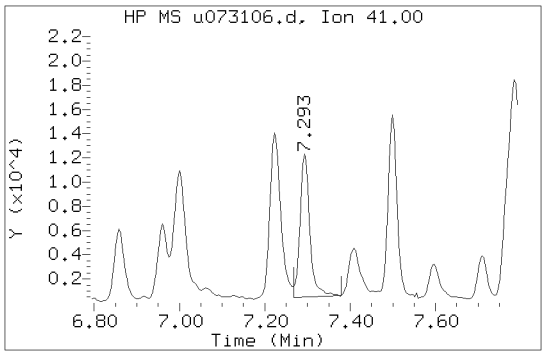
Ethyl Methacrylate (97-63-2)

Reason Code:

BEFORE
MASS
41
AREA
19359
HEIGHT
11841
01-Aug-2023
21:03



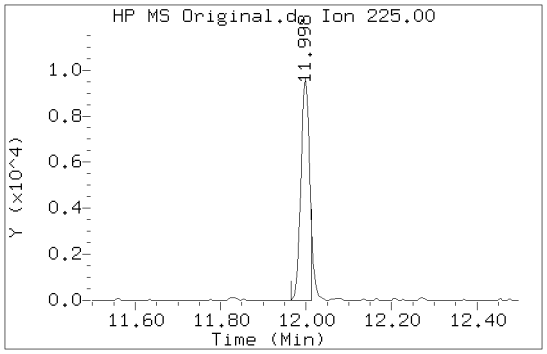
AFTER
MASS
41
AREA
19359
HEIGHT
11841
01-Aug-2023
21:03



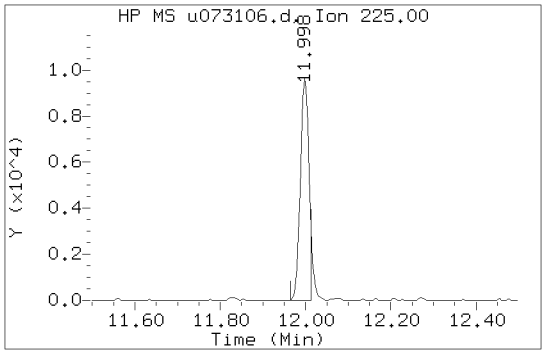
Hexachlorobutadiene (87-68-3)

Reason Code:

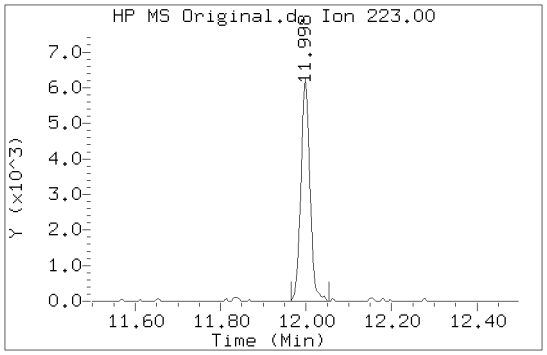
BEFORE
MASS
225
AREA
13619
HEIGHT
9624
01-Aug-2023
21:03



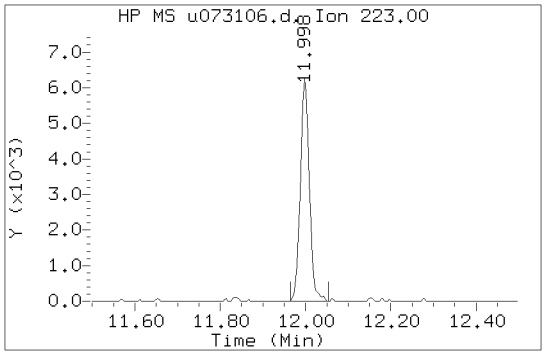
AFTER
MASS
225
AREA
13619
HEIGHT
9624
01-Aug-2023
21:03



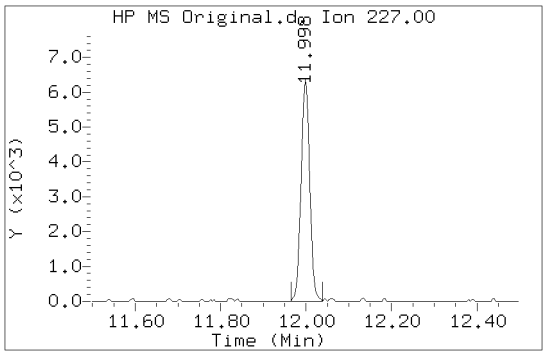
BEFORE
MASS
223
AREA
9370
HEIGHT
6248
01-Aug-2023
21:03



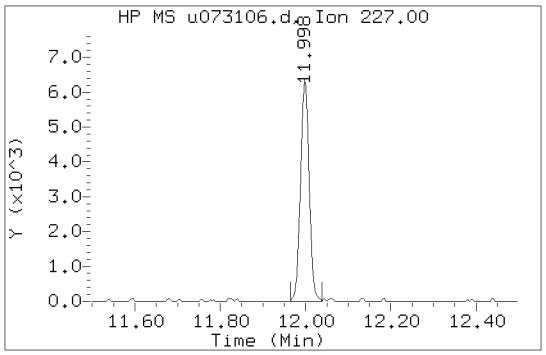
AFTER
MASS
223
AREA
9370
HEIGHT
6248
01-Aug-2023
21:03



BEFORE
MASS
227
AREA
9177
HEIGHT
6360
01-Aug-2023
21:03



AFTER
MASS
227
AREA
9177
HEIGHT
6360
01-Aug-2023
21:03



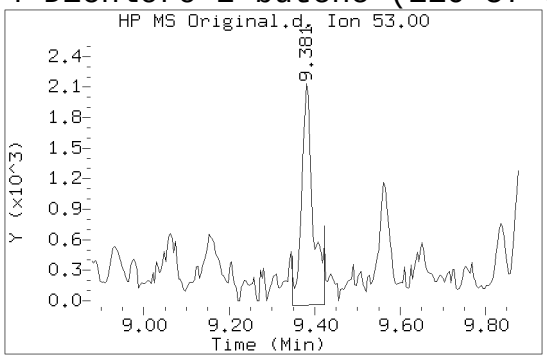
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Inj Date : 31-JUL-2023 13:22
InstruID : VOA9.i
LabSampID : VSTD005

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

Reason Code:

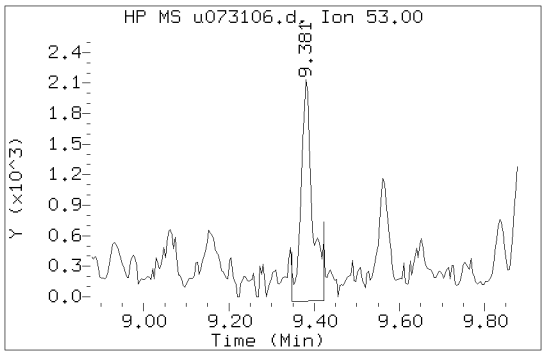
BEFORE

MASS
53
AREA
4112
HEIGHT
2172
01-Aug-2023
21:03



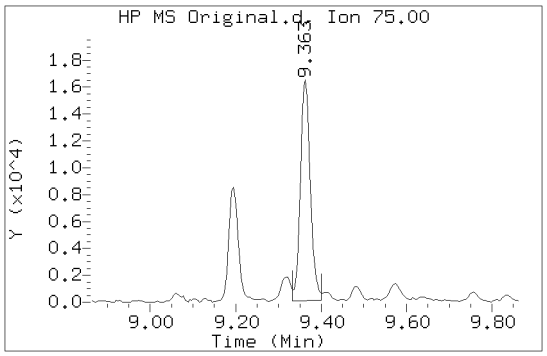
AFTER

MASS
53
AREA
4112
HEIGHT
2172
01-Aug-2023
21:03



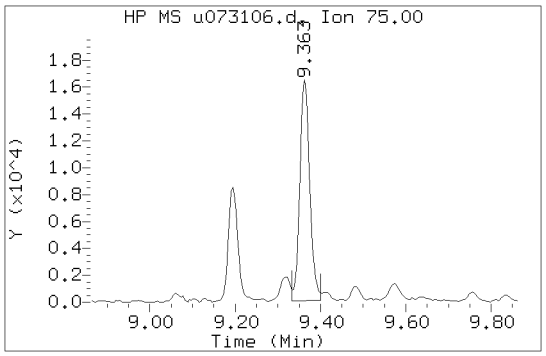
BEFORE

MASS
75
AREA
27211
HEIGHT
16421
01-Aug-2023
21:03



AFTER

MASS
75
AREA
27211
HEIGHT
16421
01-Aug-2023
21:03

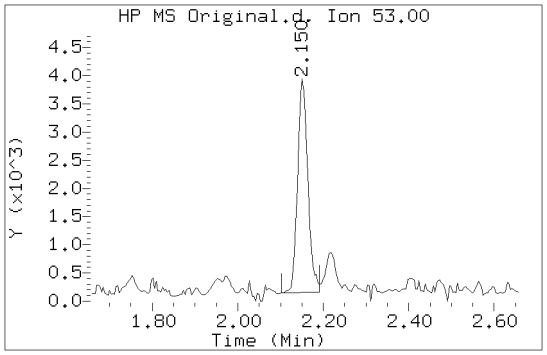


Chloroprene (126-99-8)

Reason Code:

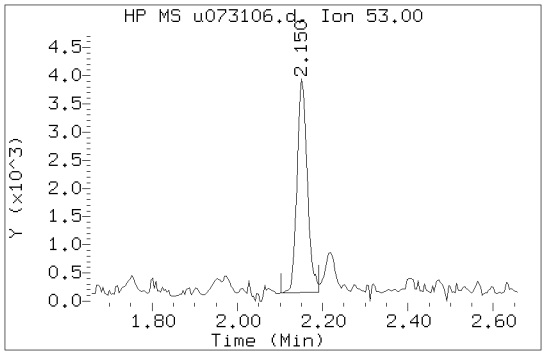
BEFORE

MASS
53
AREA
6457
HEIGHT
3787
01-Aug-2023
21:03



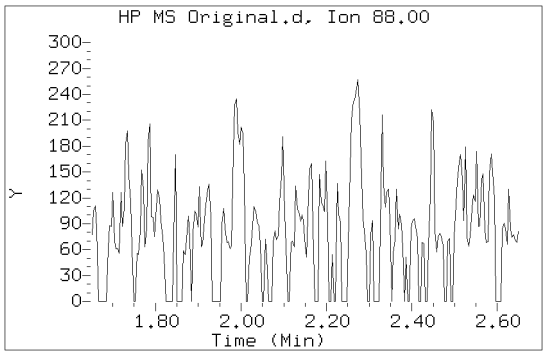
AFTER

MASS
53
AREA
6457
HEIGHT
3787
01-Aug-2023
21:03



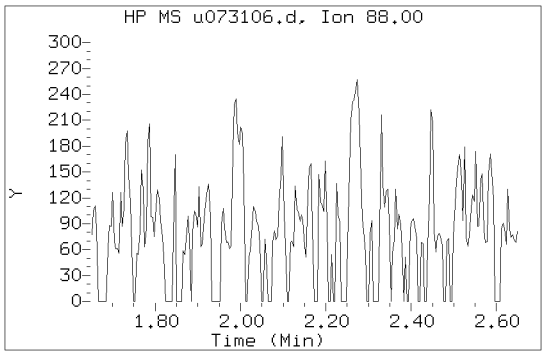
BEFORE

MASS
88
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER

MASS
88
AREA
0
HEIGHT
0
01-Aug-2023
21:03

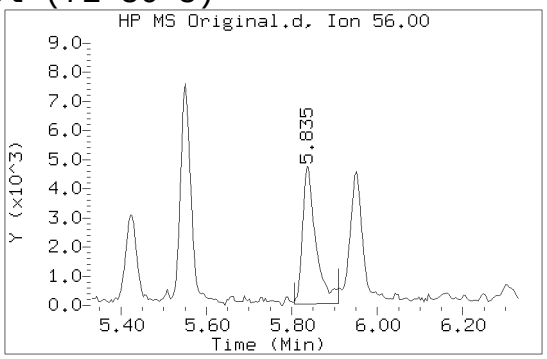


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LabSampID : VSTD005

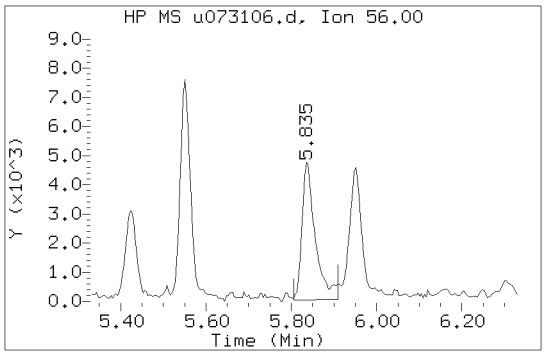
n-Butanol (71-36-3)

Reason Code:

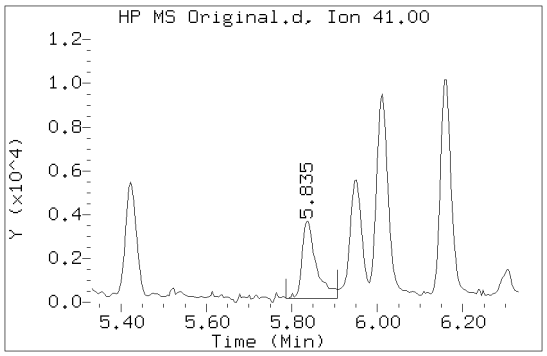
BEFORE
MASS
56
AREA
10577
HEIGHT
4724
01-Aug-2023
21:03



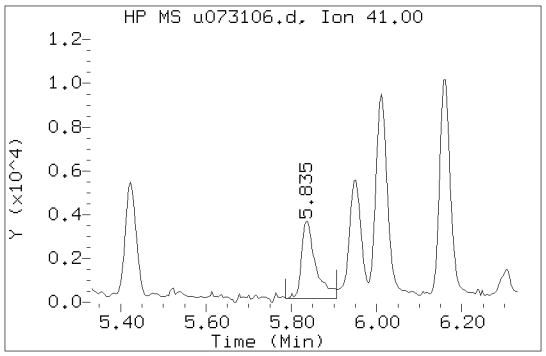
AFTER
MASS
56
AREA
10577
HEIGHT
4724
01-Aug-2023
21:03



BEFORE
MASS
41
AREA
8306
HEIGHT
3501
01-Aug-2023
21:03



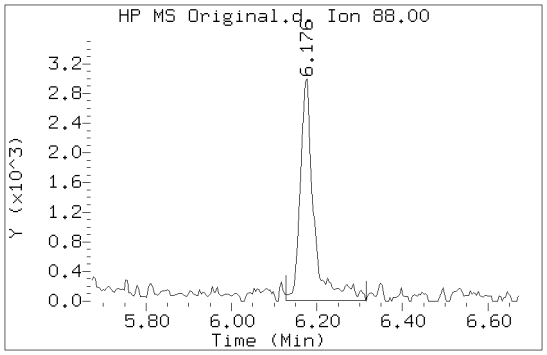
AFTER
MASS
41
AREA
8306
HEIGHT
3501
01-Aug-2023
21:03



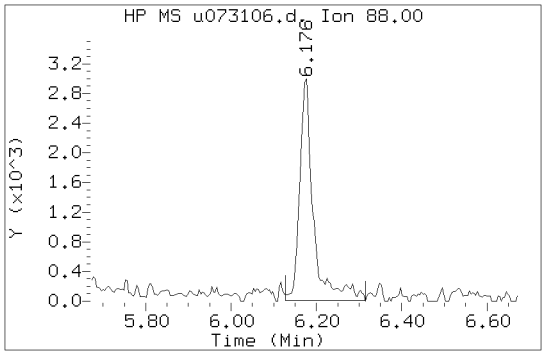
1,4-Dioxane ()

Reason Code:

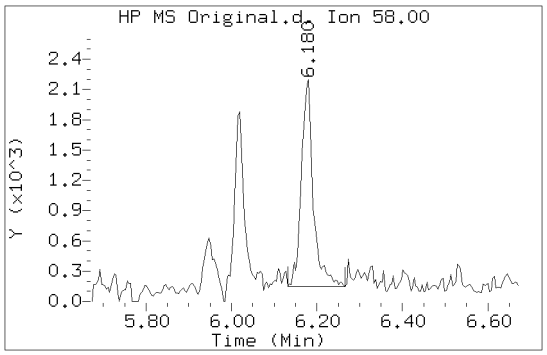
BEFORE
MASS
88
AREA
6838
HEIGHT
2989
01-Aug-2023
21:03



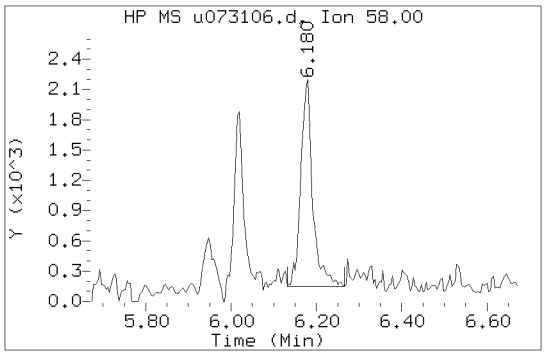
AFTER
MASS
88
AREA
6838
HEIGHT
2989
01-Aug-2023
21:03



BEFORE
MASS
58
AREA
4048
HEIGHT
2050
01-Aug-2023
21:03



AFTER
MASS
58
AREA
4048
HEIGHT
2050
01-Aug-2023
21:03

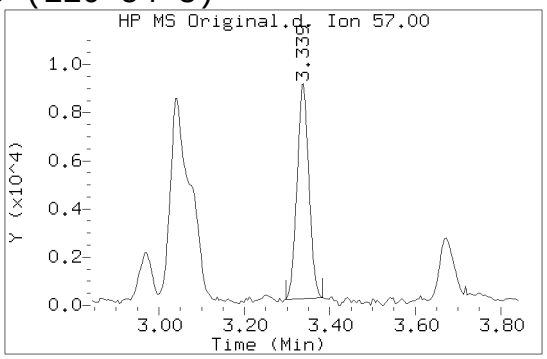


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InstruID : VOA9.i
LabSampID : VSTD005

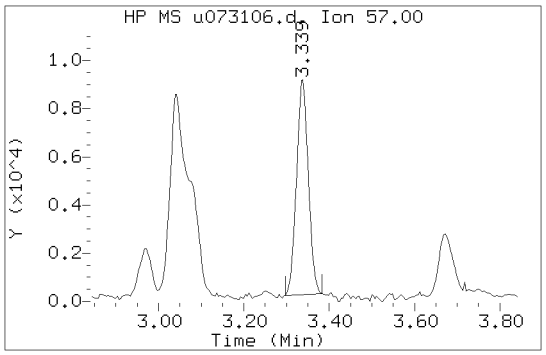
n-Hexane (110-54-3)

Reason Code:

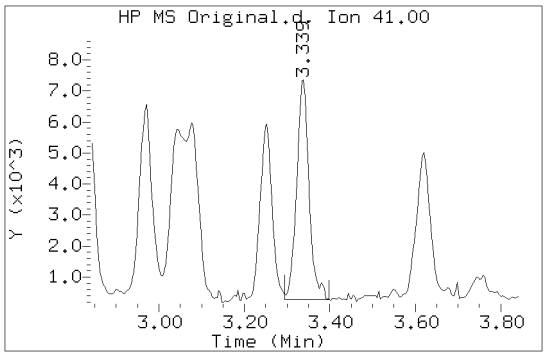
BEFORE
MASS
57
AREA
17510
HEIGHT
8919
01-Aug-2023
21:03



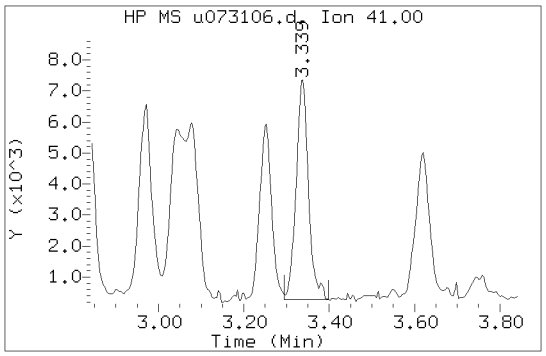
AFTER
MASS
57
AREA
17510
HEIGHT
8919
01-Aug-2023
21:03



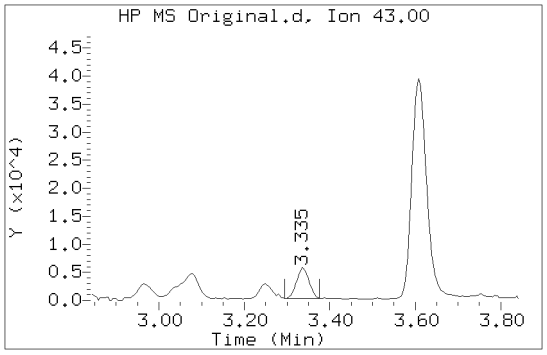
BEFORE
MASS
41
AREA
14632
HEIGHT
7081
01-Aug-2023
21:03



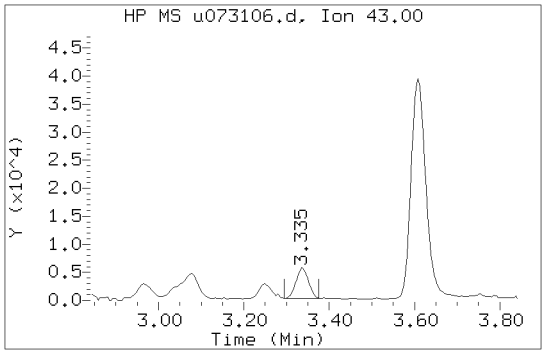
AFTER
MASS
41
AREA
14632
HEIGHT
7081
01-Aug-2023
21:03



BEFORE
MASS
43
AREA
11064
HEIGHT
5461
01-Aug-2023
21:03



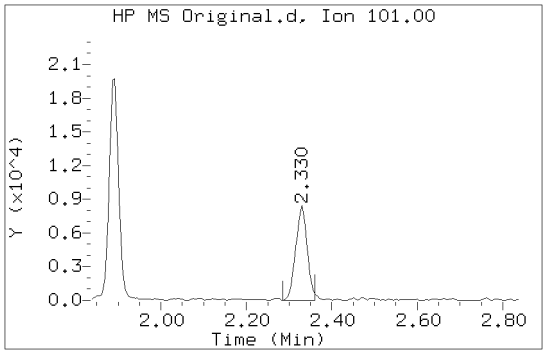
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43
AREA
11064
HEIGHT
5461
01-Aug-2023
21:03



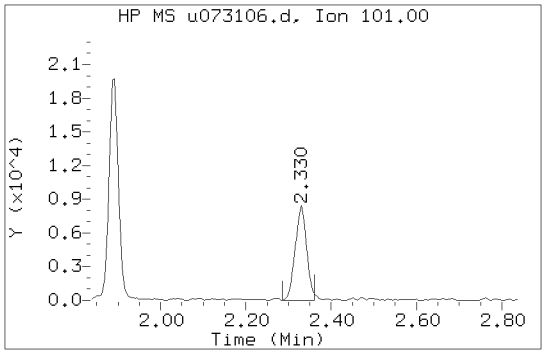
Freon TF (76-13-1)

Reason Code:

BEFORE
MASS
101
AREA
16029
HEIGHT
8452
01-Aug-2023
21:03



AFTER
MASS
101
AREA
16029
HEIGHT
8452
01-Aug-2023
21:03

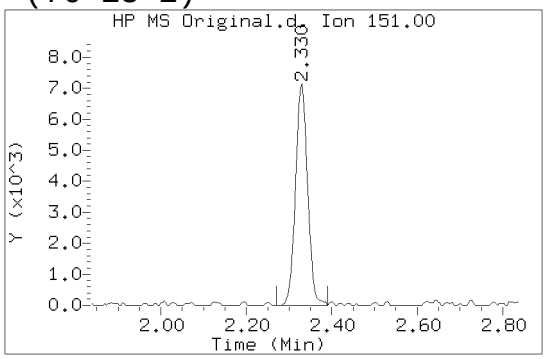


Data File : \\nahstws005\target\chem\voa9.i\u230731.b\u073106.d
Inj Date : 31-JUL-2023 13:22
InstruID : VOA9.i
LabSampID : VSTD005

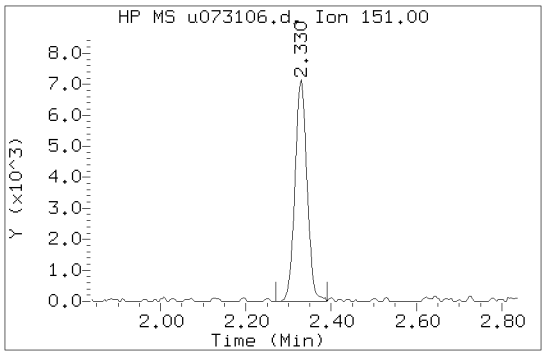
Freon TF (76-13-1)

Reason Code:

BEFORE
MASS
151
AREA
14333
HEIGHT
7146
01-Aug-2023
21:03



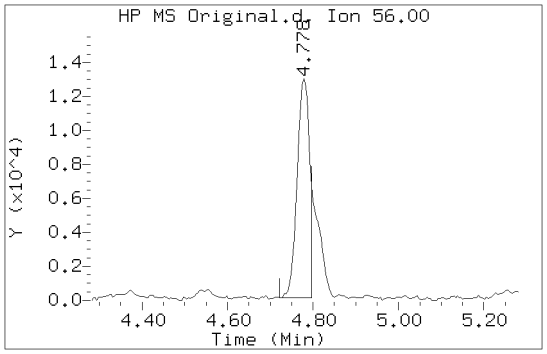
AFTER
MASS
151
AREA
14333
HEIGHT
7146
01-Aug-2023
21:03



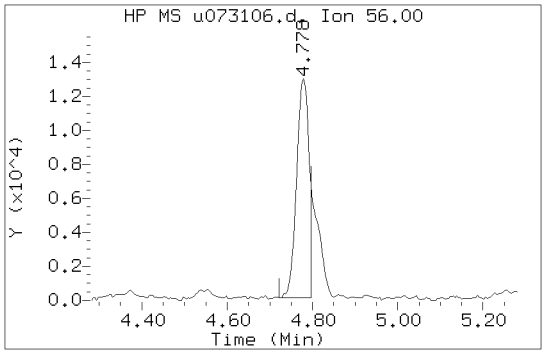
Cyclohexane (110-82-7)

Reason Code:

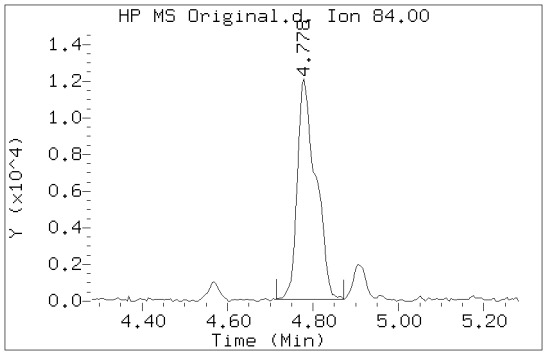
BEFORE
MASS
56
AREA
26286
HEIGHT
12886
01-Aug-2023
21:03



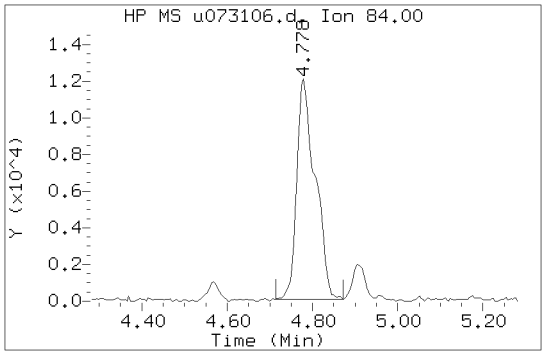
AFTER
MASS
56
AREA
26286
HEIGHT
12886
01-Aug-2023
21:03



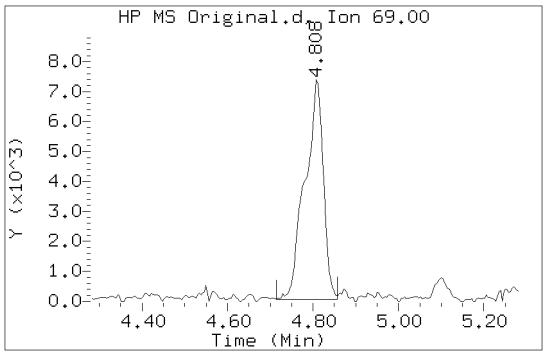
BEFORE
MASS
84
AREA
36483
HEIGHT
12015
01-Aug-2023
21:03



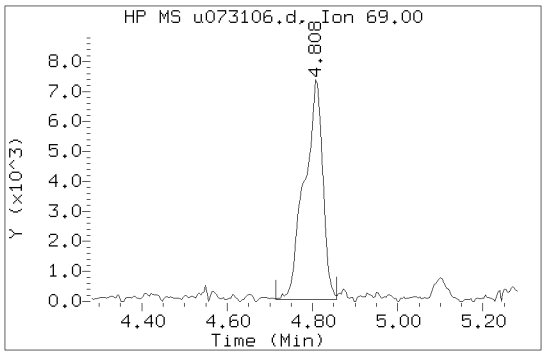
AFTER
MASS
84
AREA
36483
HEIGHT
12015
01-Aug-2023
21:03



BEFORE
MASS
69
AREA
21975
HEIGHT
7326
01-Aug-2023
21:03



AFTER
MASS
69
AREA
21975
HEIGHT
7326
01-Aug-2023
21:03

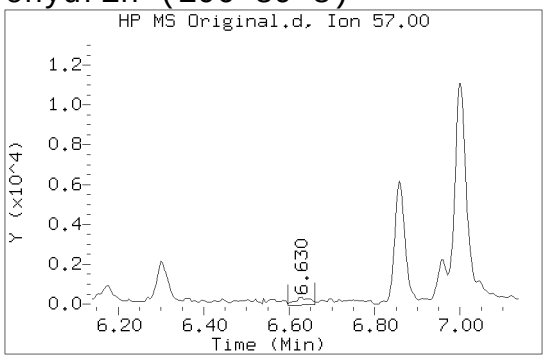


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Inj Date : 31-JUL-2023 13:22
InstruID : VOA9.i
LabSampID : VSTD005

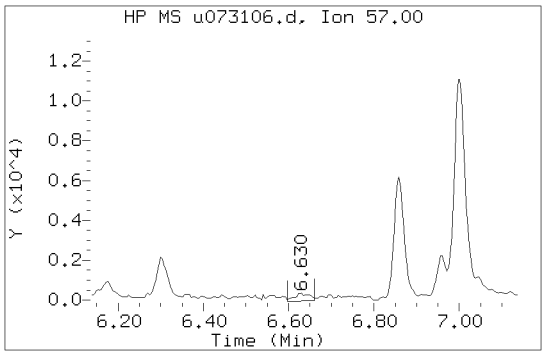
Epichlorohydrin (106-89-8)

Reason Code:

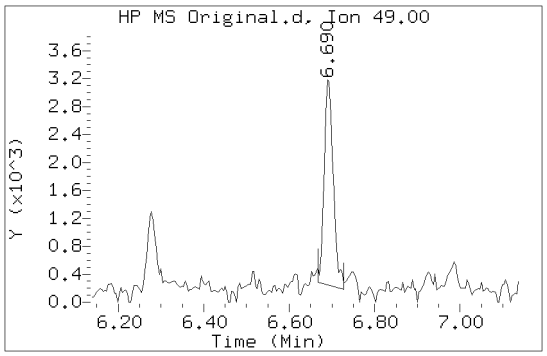
BEFORE
MASS
57
AREA
991
HEIGHT
399
01-Aug-2023
21:03



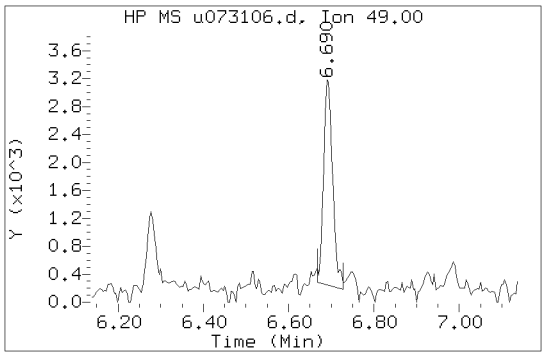
AFTER
MASS
57
AREA
991
HEIGHT
399
01-Aug-2023
21:03



BEFORE
MASS
49
AREA
4381
HEIGHT
2935
01-Aug-2023
21:03



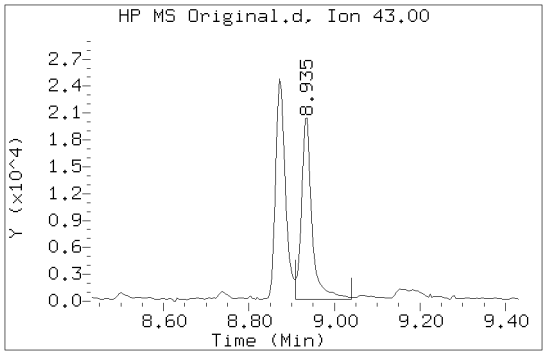
AFTER
MASS
49
AREA
4381
HEIGHT
2935
01-Aug-2023
21:03



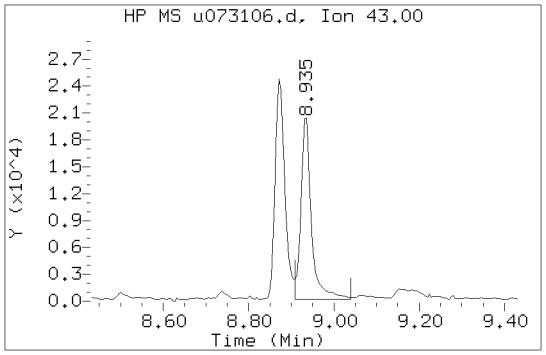
n-Amyl acetate (628-63-7)

Reason Code:

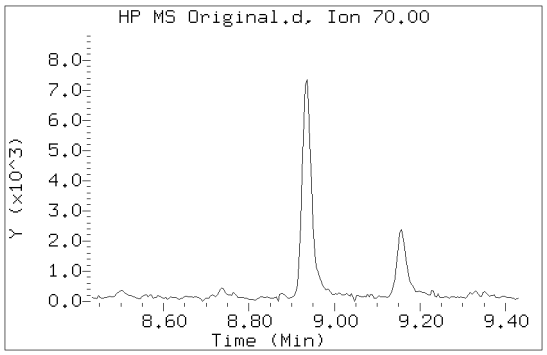
BEFORE
MASS
43
AREA
35636
HEIGHT
20249
01-Aug-2023
21:03



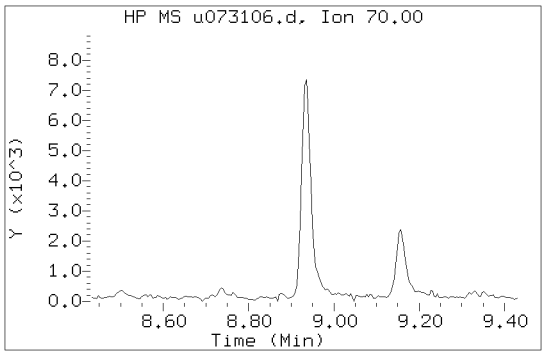
AFTER
MASS
43
AREA
35636
HEIGHT
20249
01-Aug-2023
21:03



BEFORE
MASS
70
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER
MASS
70
AREA
0
HEIGHT
0
01-Aug-2023
21:03

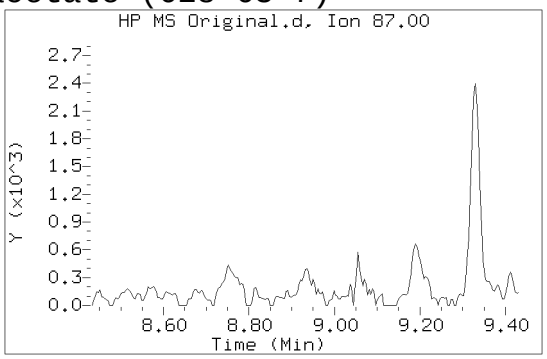


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InstruID : VOA9.i
LabSampID : VSTD005

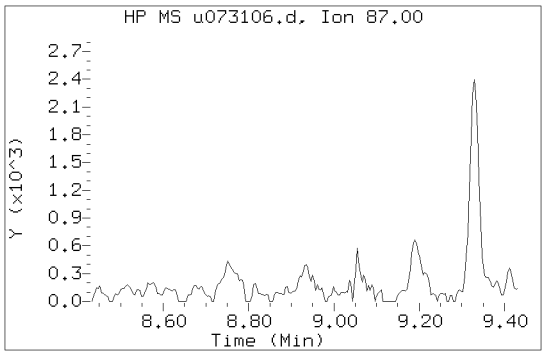
n-Amyl acetate (628-63-7)

Reason Code:

BEFORE
MASS
87
AREA
0
HEIGHT
0
01-Aug-2023
21:03



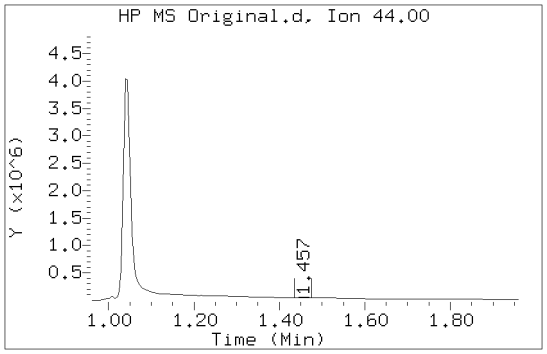
AFTER
MASS
87
AREA
0
HEIGHT
0
01-Aug-2023
21:03



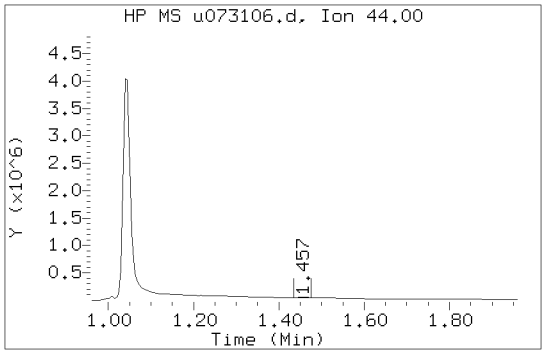
Acetaldehyde (75-07-0)

Reason Code:

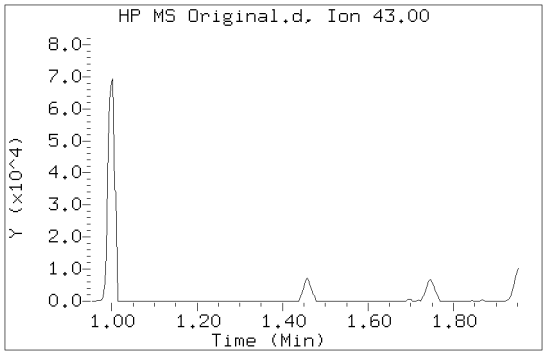
BEFORE
MASS
44
AREA
13015
HEIGHT
10024
01-Aug-2023
21:03



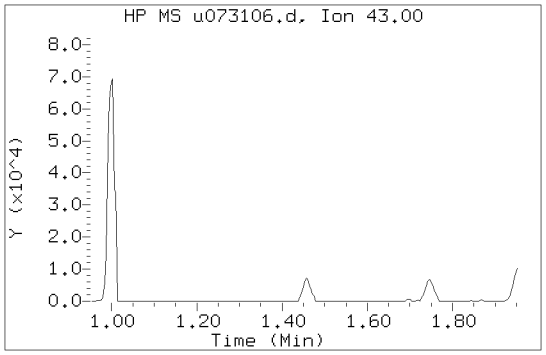
AFTER
MASS
44
AREA
13015
HEIGHT
10024
01-Aug-2023
21:03



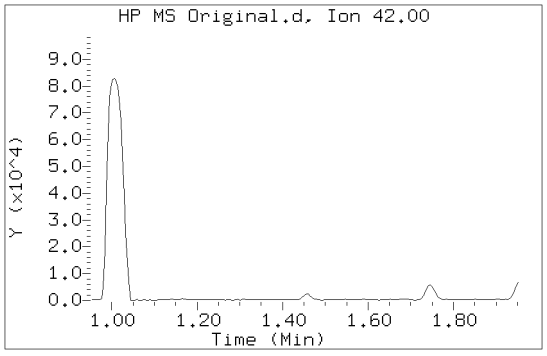
BEFORE
MASS
43
AREA
0
HEIGHT
0
01-Aug-2023
21:03



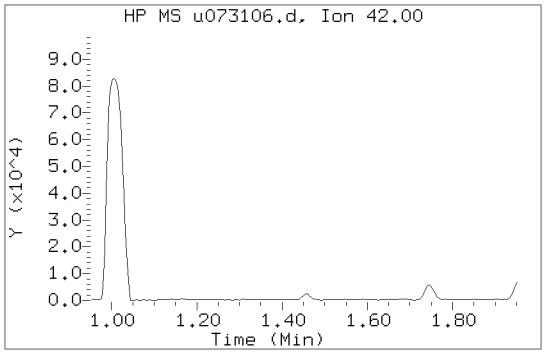
AFTER
MASS
43
AREA
0
HEIGHT
0
01-Aug-2023
21:03



BEFORE
MASS
42
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER
MASS
42
AREA
0
HEIGHT
0
01-Aug-2023
21:03

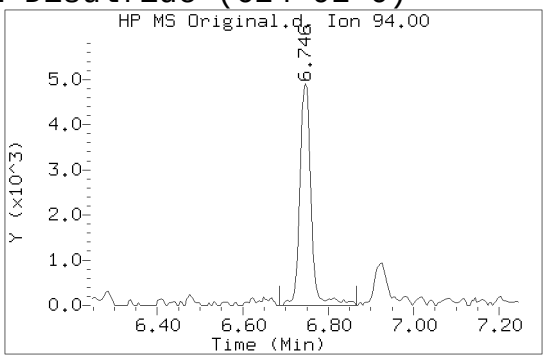


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Inj Date : 31-JUL-2023 13:22
InstruID : VOA9.i
LabSampID : VSTD005

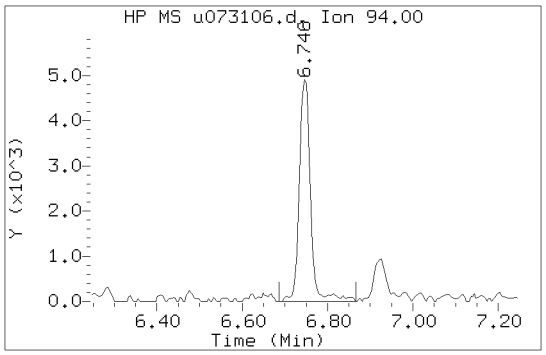
Dimethyl Disulfide (624-92-0)

Reason Code:

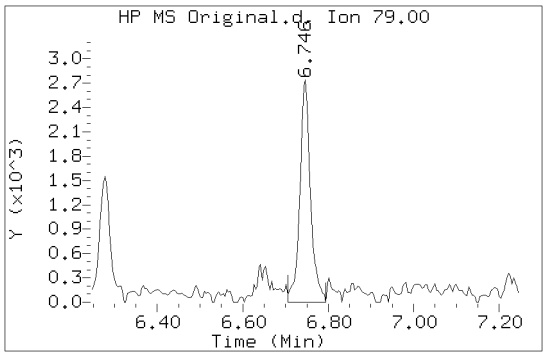
BEFORE
MASS
94
AREA
9195
HEIGHT
4909
01-Aug-2023
21:03



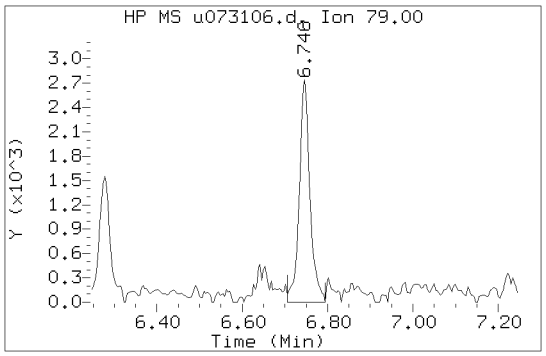
AFTER
MASS
94
AREA
9195
HEIGHT
4909
01-Aug-2023
21:03



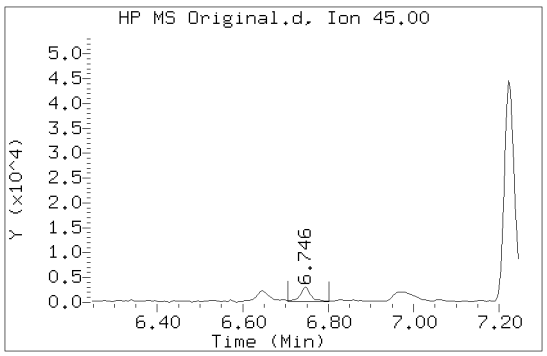
BEFORE
MASS
79
AREA
4843
HEIGHT
2740
01-Aug-2023
21:03



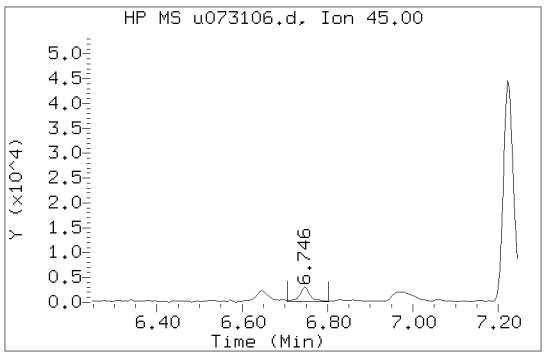
AFTER
MASS
79
AREA
4843
HEIGHT
2740
01-Aug-2023
21:03



BEFORE
MASS
45
AREA
5444
HEIGHT
2977
01-Aug-2023
21:03



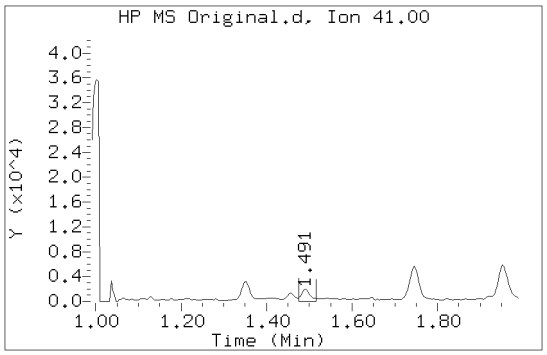
AFTER
MASS
45
AREA
5444
HEIGHT
2977
01-Aug-2023
21:03



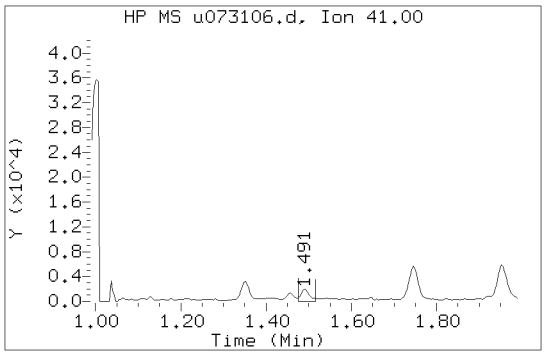
Isobutylene (115-11-7)

Reason Code:

BEFORE
MASS
41
AREA
2884
HEIGHT
1980
01-Aug-2023
21:03



AFTER
MASS
41
AREA
2884
HEIGHT
1980
01-Aug-2023
21:03

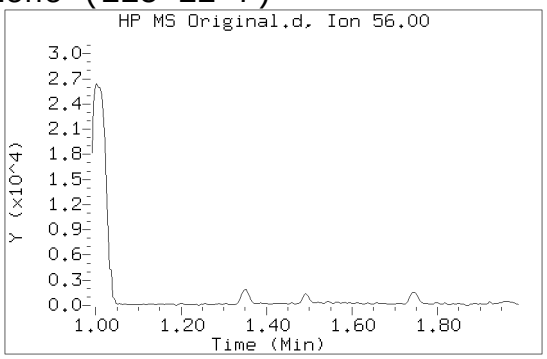


Data File : \\nahstws005\target\chem\voa9.i\u230731.b\u073106.d
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InstruID : VOA9.i
LabSampID : VSTD005

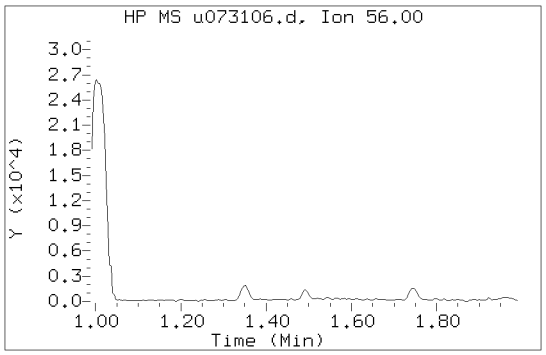
Isobutylene (115-11-7)

Reason Code:

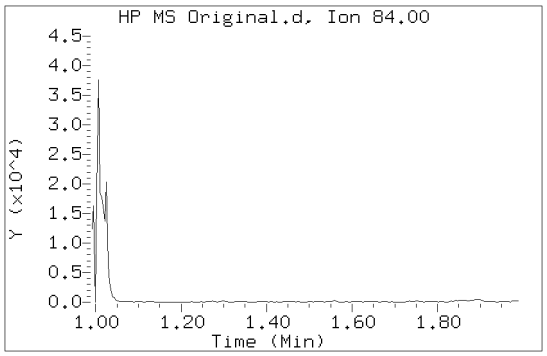
BEFORE
MASS
56
AREA
0
HEIGHT
0
01-Aug-2023
21:03



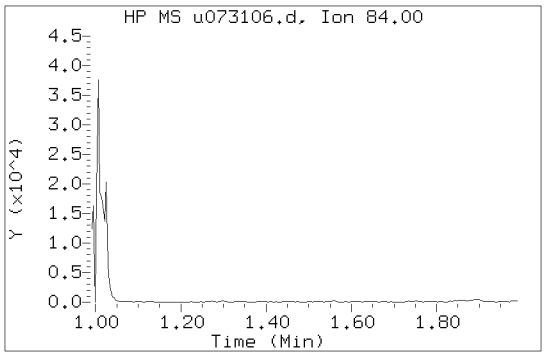
AFTER
MASS
56
AREA
0
HEIGHT
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01-Aug-2023
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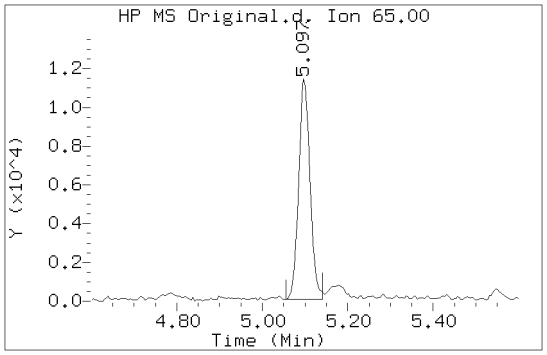
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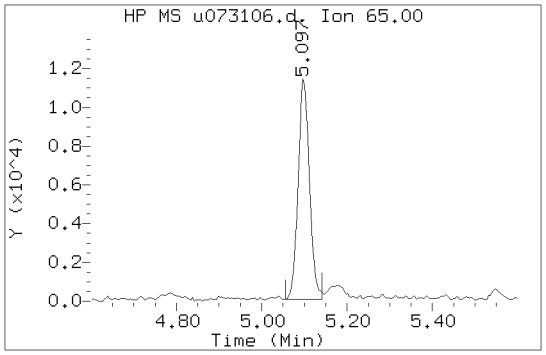
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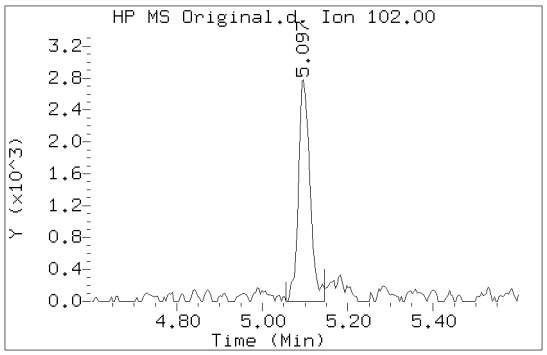
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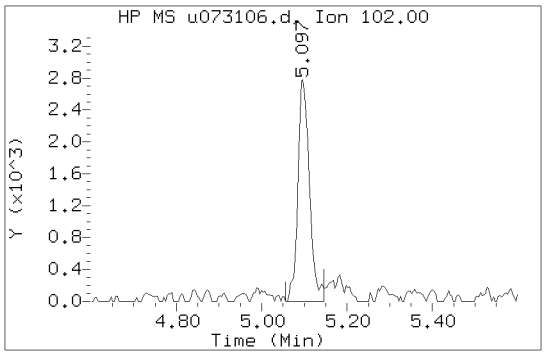
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AFTER
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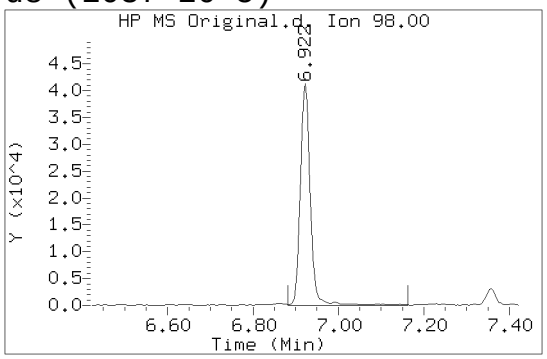


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InstruID : VOA9.i
LabSampID : VSTD005

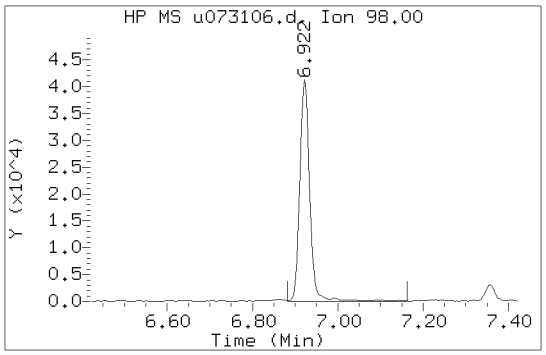
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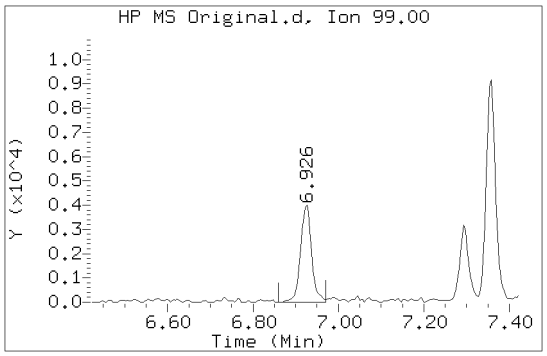
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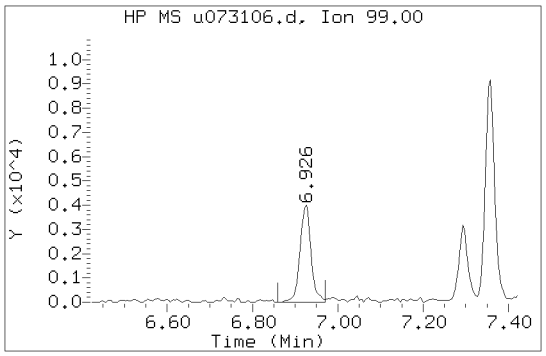
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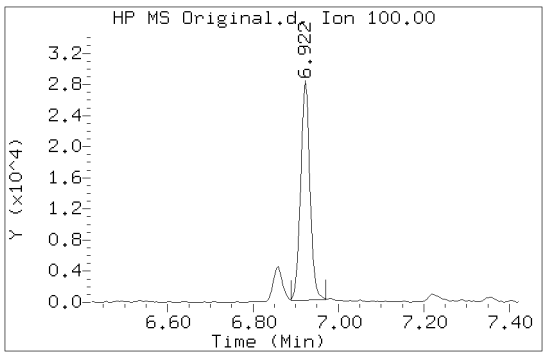
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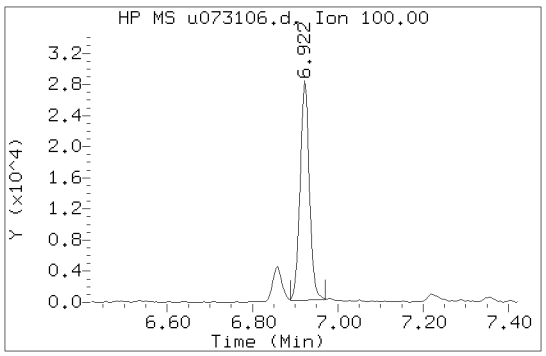
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AFTER
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Data File: \\NAHSTWS005\Target\chem\voa9.i\U230731.b\U073107.D Page 1
Report Date: 07-Aug-2023 11:14

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230731.b\U073107.D
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Inj Date : 31-JUL-2023 13:44
Operator : PC Inst ID: VOA9.i
Smp Info : VSTD020;VSTD020;1;6;
Misc Info : V9;WATER;0;1;
Comment :
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Cal Date : 31-JUL-2023 13:22 Cal File: U073106.D
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 08260V9.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
* 1	Pentafluorobenzene	168	4.811	4.811	(1.000)	508113	50.0000	
2	Dichlorodifluoromethane	85	1.153	1.153	(0.240)	89461	20.0000	19.18
3	Chloromethane	50	1.288	1.288	(0.268)	122049	20.0000	20.26
5	Vinyl Chloride	62	1.366	1.366	(0.284)	93372	20.0000	18.66
6	Bromomethane	94	1.610	1.610	(0.335)	63845	20.0000	22.80
7	Chloroethane	64	1.689	1.689	(0.351)	60002	20.0000	19.04
8	Trichlorofluoromethane	101	1.884	1.884	(0.392)	115200	20.0000	18.65
9	Acrolein	56	1.741	1.741	(0.362)	12556	40.0000	38.52
10	Acetone	43	2.401	2.401	(0.499)	78782	40.0000	45.41
11	1,1-Dichloroethene	96	2.322	2.322	(0.483)	62778	20.0000	18.75
15	Iodomethane	142	2.457	2.457	(0.511)	100586	40.0000	34.80
16	Acrylonitrile	53	3.061	3.061	(0.636)	61984	40.0000	38.80
17	Methylene Chloride	84	2.783	2.783	(0.579)	81979	20.0000	20.04
18	Methyl tert-butyl ether	73	3.072	3.072	(0.639)	197578	20.0000	19.09
19	Carbon Disulfide	76	2.510	2.510	(0.522)	362924	40.0000	37.23
20	trans-1,2-Dichloroethene	96	3.049	3.049	(0.634)	69686	20.0000	18.57
21	Vinyl Acetate	43	3.600	3.600	(0.748)	400455	40.0000	37.29
22	1,1-Dichloroethane	63	3.503	3.503	(0.728)	126006	20.0000	18.37
24	2-Butanone	43	4.264	4.264	(0.886)	74752	40.0000	37.44
26	2,2-Dichloropropane	77	4.174	4.174	(0.868)	91735	20.0000	19.40

27	cis-1,2-Dichloroethene	96	4.189	4.189 (0.871)	82546	20.0000	19.71
28	Chloroform	83	4.564	4.564 (0.949)	154466	20.0000	19.35

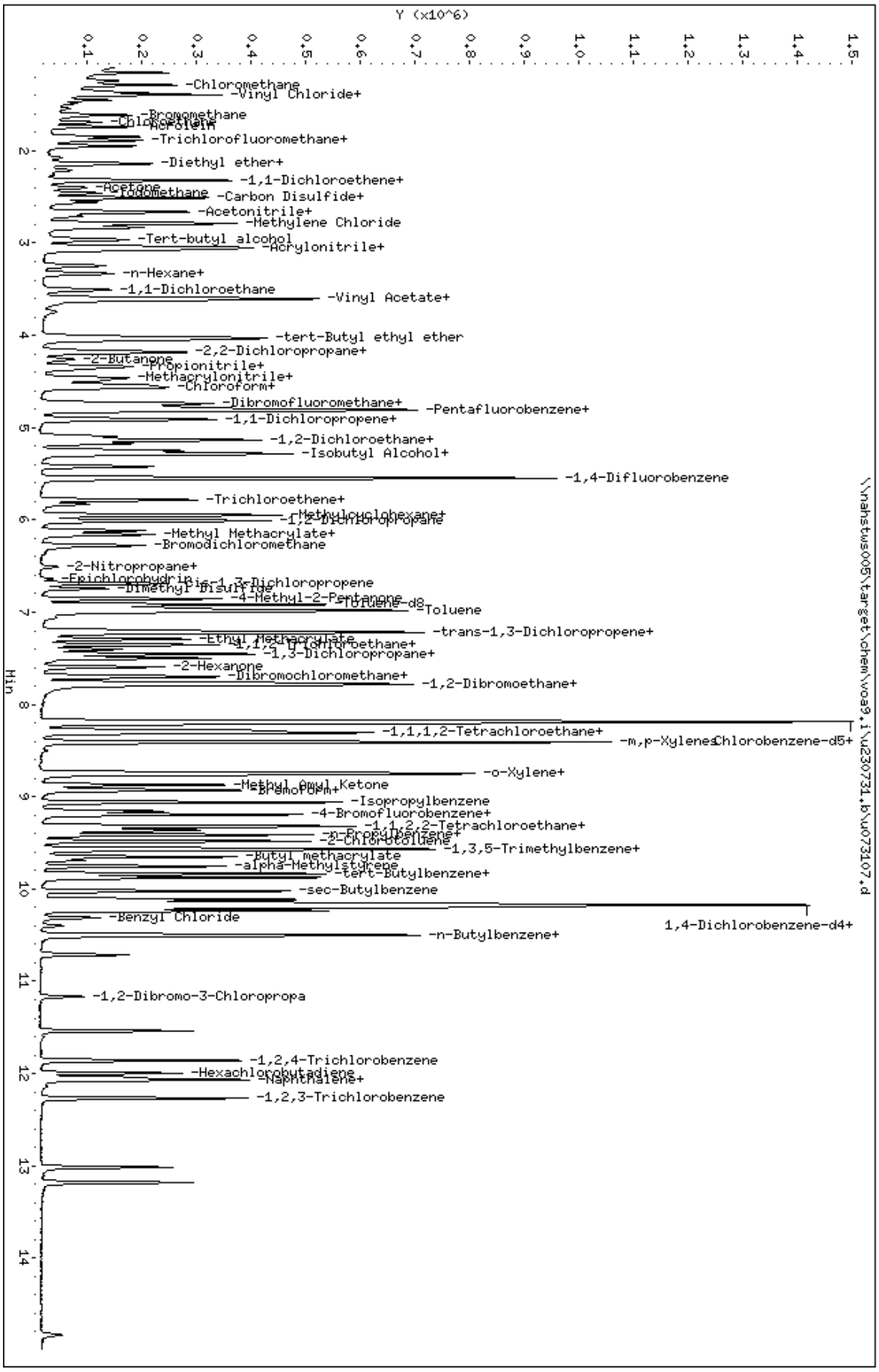
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	29 Bromochloromethane	128	4.463	4.463	(0.928)	47382	20.0000	19.12
$	30 Dibromofluoromethane	113	4.744	4.744	(0.986)	85217	20.0000	20.39
	31 1,1,1-Trichloroethane	97	4.736	4.736	(0.984)	115867	20.0000	18.66
	32 1,1-Dichloropropene	75	4.912	4.912	(0.885)	104598	20.0000	19.18
	33 1,2-Dichloroethane	62	5.171	5.171	(0.932)	125987	20.0000	19.92
	34 Carbon Tetrachloride	117	4.905	4.905	(0.884)	87355	20.0000	17.88
$	35 1,2-Dichloroethane-d4	65	5.092	5.092	(1.058)	92644	20.0000	20.15
*	36 1,4-Difluorobenzene	114	5.550	5.550	(1.000)	734279	50.0000	
	37 Benzene	78	5.134	5.134	(0.925)	344926	20.0000	19.23
	38 Trichloroethene	130	5.786	5.786	(1.043)	95768	20.0000	18.89
	39 Bromodichloromethane	83	6.277	6.277	(1.131)	109407	20.0000	19.07
	41 2-Chloroethylvinyl ether	63	6.562	6.562	(1.182)	3649	40.0000	43.19(M)
	42 1,2-Dichloropropane	63	6.007	6.007	(1.082)	94074	20.0000	19.56
	44 Dibromomethane	93	6.116	6.116	(1.102)	60570	20.0000	19.61
	45 4-Methyl-2-Pentanone	43	6.854	6.854	(0.837)	202206	40.0000	39.59
	46 cis-1,3-Dichloropropene	75	6.689	6.689	(1.205)	121394	20.0000	18.07
*	47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	686300	50.0000	
$	48 Toluene-d8	98	6.918	6.918	(0.845)	318501	20.0000	19.95
	50 Toluene	91	6.978	6.978	(0.853)	379846	20.0000	20.35
	51 trans-1,3-Dichloropropene	75	7.195	7.195	(1.297)	99553	20.0000	18.00
	52 2-Hexanone	43	7.593	7.593	(0.928)	136038	40.0000	40.23
	53 1,1,2-Trichloroethane	83	7.353	7.353	(0.898)	75535	20.0000	18.90
	54 1,3-Dichloropropane	76	7.499	7.499	(0.916)	162196	20.0000	19.78
	55 Dibromochloromethane	129	7.690	7.690	(0.940)	92434	20.0000	18.84
	56 Tetrachloroethene	164	7.454	7.454	(0.911)	86434	20.0000	19.05
	57 1,2-Dibromoethane	107	7.784	7.784	(0.951)	93653	20.0000	19.48
	58 1-Chlorohexane	55	8.196	8.196	(1.477)	71609	20.0000	18.67
	59 Chlorobenzene	112	8.208	8.208	(1.003)	259416	20.0000	19.61
	60 1,1,1,2-Tetrachloroethane	131	8.283	8.283	(1.012)	93087	20.0000	19.30
	61 Ethylbenzene	106	8.305	8.305	(1.015)	115489	20.0000	19.28
	62 m,p-Xylenes	106	8.406	8.406	(1.027)	280953	40.0000	39.96
	63 o-Xylene	106	8.747	8.747	(1.069)	140809	20.0000	20.47
	64 Styrene	104	8.759	8.759	(1.070)	210754	20.0000	19.63
	66 Bromoform	173	8.916	8.916	(1.089)	62613	20.0000	18.27
	67 Isopropylbenzene	105	9.062	9.062	(1.107)	330709	20.0000	19.87
	68 1,1,2,2-Tetrachloroethane	83	9.328	9.328	(0.917)	130051	20.0000	18.67
$	69 4-Bromofluorobenzene	95	9.193	9.193	(1.123)	131600	20.0000	20.32
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	361627	50.0000	
	71 1,2,3-Trichloropropane	75	9.362	9.362	(0.920)	117425	20.0000	19.36
	73 n-Propylbenzene	91	9.411	9.411	(0.925)	353551	20.0000	18.44
	74 Bromobenzene	156	9.317	9.317	(0.916)	114455	20.0000	19.13
	75 1,3,5-Trimethylbenzene	105	9.561	9.561	(0.940)	240887	20.0000	19.06
	76 2-Chlorotoluene	91	9.482	9.482	(0.932)	254798	20.0000	19.98
	77 4-Chlorotoluene	91	9.576	9.576	(0.941)	290669	20.0000	20.41
	78 tert-Butylbenzene	119	9.835	9.835	(0.967)	234774	20.0000	19.60
	79 1,2,4-Trimethylbenzene	105	9.876	9.876	(0.971)	259961	20.0000	20.31
	81 sec-Butylbenzene	105	10.022	10.022	(0.985)	286254	20.0000	22.41
	82 p-Isopropyltoluene	119	10.146	10.146	(0.997)	235209	20.0000	22.36
	83 1,3-Dichlorobenzene	146	10.116	10.116	(0.994)	192210	20.0000	19.24
	84 1,4-Dichlorobenzene	146	10.191	10.191	(1.002)	204815	20.0000	18.51
	87 n-Butylbenzene	91	10.491	10.491	(1.031)	200492	20.0000	18.05
	88 1,2-Dichlorobenzene	146	10.506	10.506	(1.033)	196170	20.0000	19.14

89	1,2-Dibromo-3-Chloropropane	155	11.165	11.165 (1.098)	16731	20.0000	16.66
90	1,2,4-Trichlorobenzene	180	11.859	11.859 (1.166)	119903	20.0000	19.02

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	91 Hexachlorobutadiene	225	11.998	11.998	(1.179)	49415	20.0000	22.86
	92 Naphthalene	128	12.069	12.069	(1.186)	276874	20.0000	17.69
	93 1,2,3-Trichlorobenzene	180	12.267	12.267	(1.206)	120721	20.0000	18.76
M	94 1,2-Dichloroethylene (total)	96				152232	40.0000	
M	95 Xylenes (total)	106				421762	60.0000	
	135 1,4-Dioxane	88	6.168	6.168	(1.282)	27650	400.000	379.53(M)
	141 Cyclohexane	56	4.774	4.774	(0.992)	110200	20.0000	19.29
	138 Freon TF	101	2.322	2.322	(0.483)	59963	20.0000	23.21
	140 1,3-Butadiene	54	1.392	1.392	(0.289)	74085	20.0000	18.31
	147 Methylcyclohexane	55	5.947	5.947	(1.072)	210480	20.0000	19.67
	146 Methyl Acetate	43	2.705	2.705	(0.562)	68962	20.0000	18.91
	148 Tert-Butyl alcohol	59	2.963	2.963	(0.616)	172724	400.000	402.47
	149 Isopropyl Alcohol	45	2.555	2.555	(0.531)	100114	400.000	356.52

QC Flag Legend

M - Compound response manually integrated.



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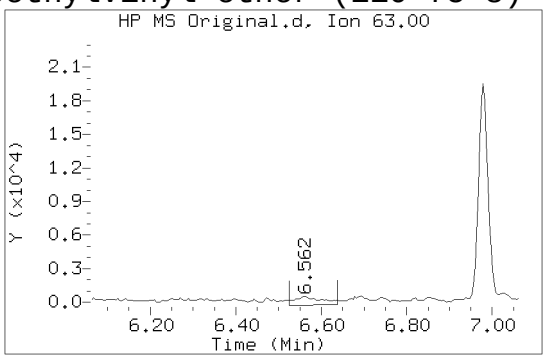
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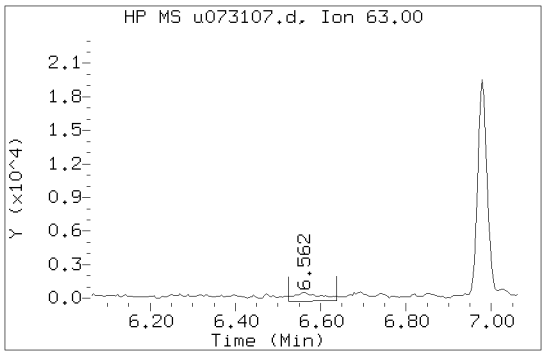
2-Chloroethylvinyl ether (110-75-8)

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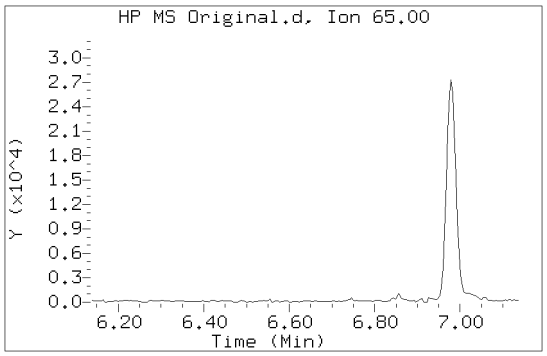
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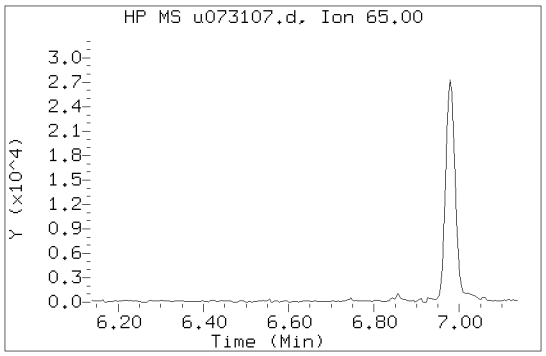
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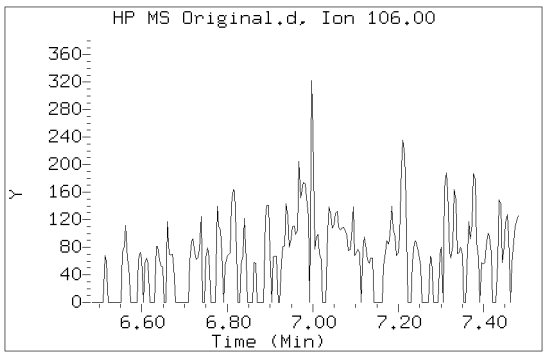
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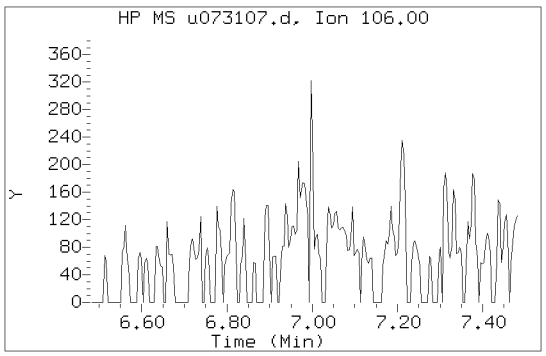
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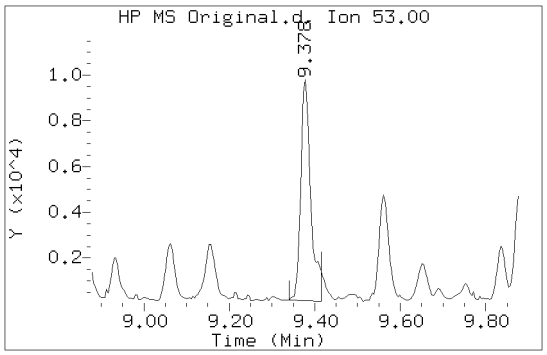
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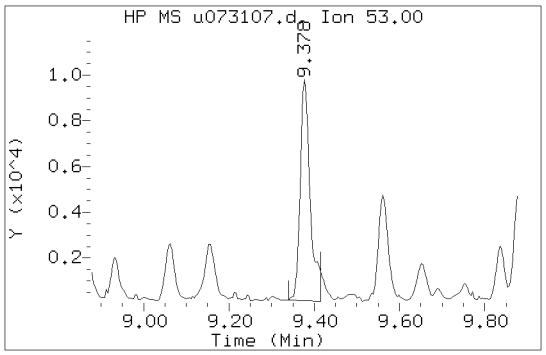
trans-1,4-Dichloro-2-butene (110-57-6)

Reason Code:

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01-Aug-2023
21:03



AFTER
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01-Aug-2023
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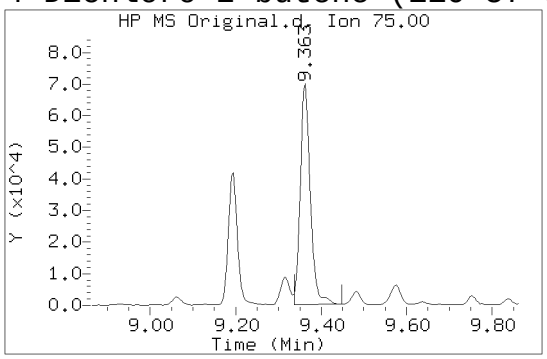
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Inj Date : 31-JUL-2023 13:44
InstruID : VOA9.i
LabSampID : VSTD020

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

Reason Code:

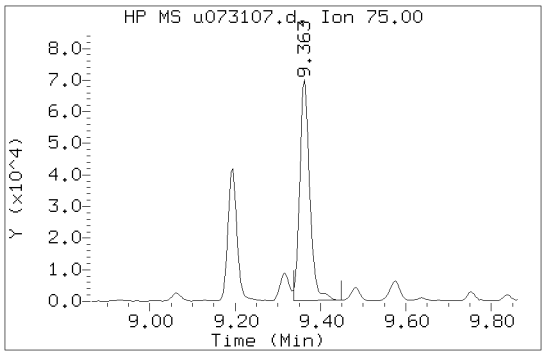
BEFORE

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01-Aug-2023
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AFTER

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HEIGHT
69879
01-Aug-2023
21:03

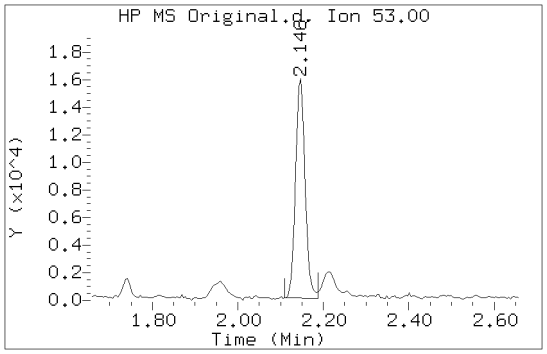


Chloroprene (126-99-8)

Reason Code:

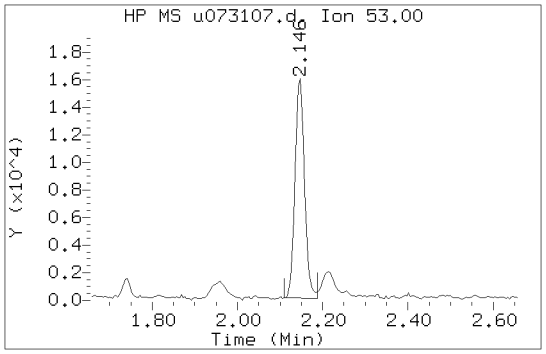
BEFORE

MASS
53
AREA
24858
HEIGHT
15911
01-Aug-2023
21:03



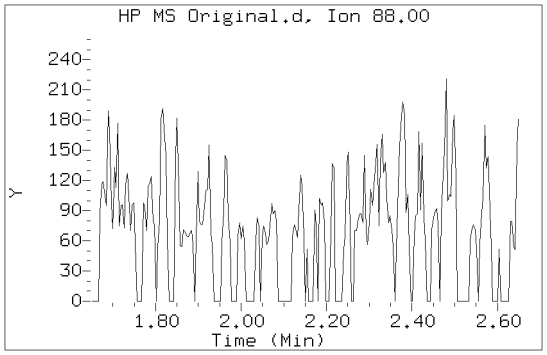
AFTER

MASS
53
AREA
24858
HEIGHT
15911
01-Aug-2023
21:03



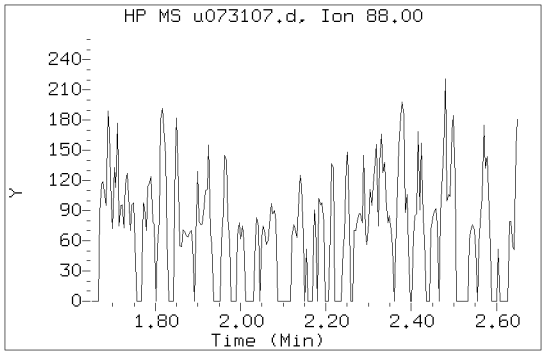
BEFORE

MASS
88
AREA
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HEIGHT
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01-Aug-2023
21:03



AFTER

MASS
88
AREA
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HEIGHT
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01-Aug-2023
21:03

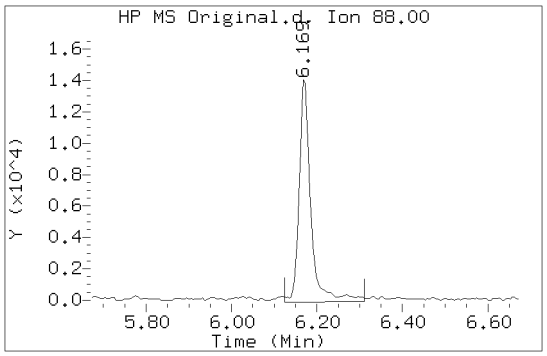


1,4-Dioxane ()

Reason Code:

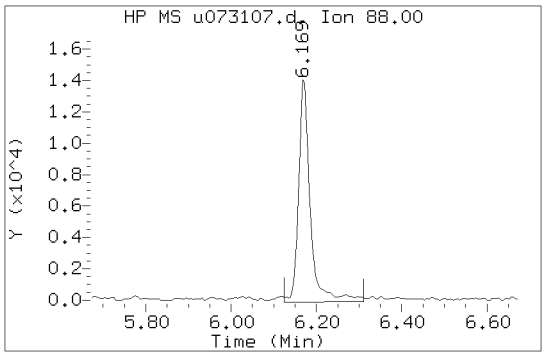
BEFORE

MASS
88
AREA
27650
HEIGHT
14152
01-Aug-2023
21:03



AFTER

MASS
88
AREA
27650
HEIGHT
14152
01-Aug-2023
21:03

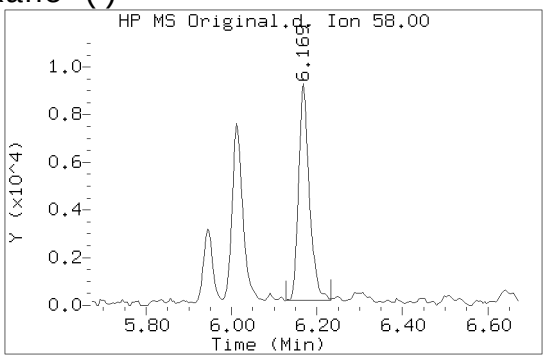


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Inj Date : 31-JUL-2023 13:44
InstruID : VOA9.i
LabSampID : VSTD020

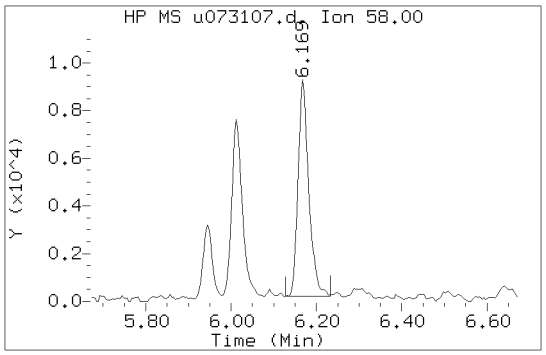
1,4-Dioxane ()

Reason Code:

BEFORE
MASS
58
AREA
16149
HEIGHT
9076
01-Aug-2023
21:03



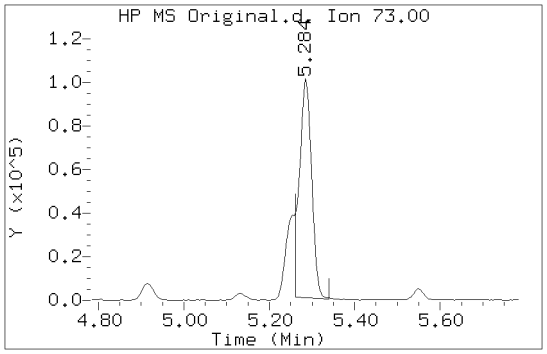
AFTER
MASS
58
AREA
16149
HEIGHT
9076
01-Aug-2023
21:03



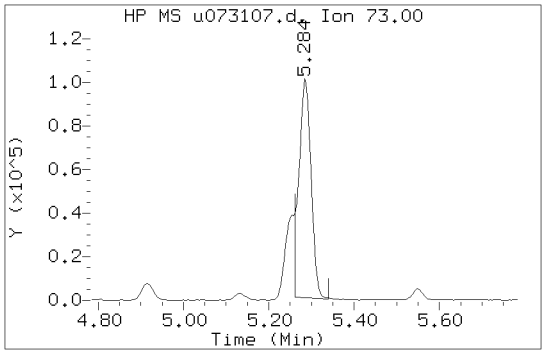
tert-Amyl methyl ether (974-05-08)

Reason Code:

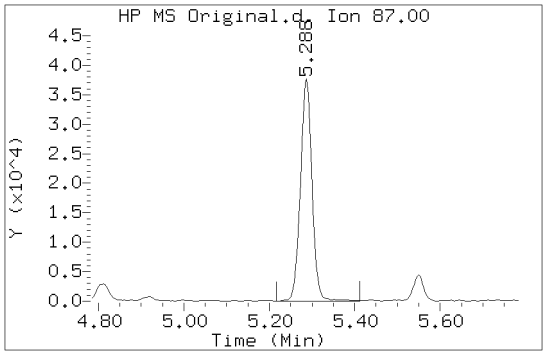
BEFORE
MASS
73
AREA
202905
HEIGHT
100442
01-Aug-2023
21:03



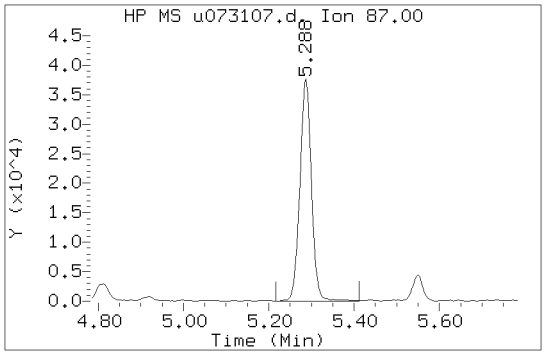
AFTER
MASS
73
AREA
202905
HEIGHT
100442
01-Aug-2023
21:03



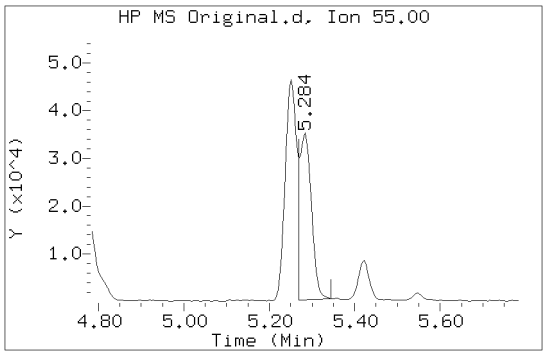
BEFORE
MASS
87
AREA
72882
HEIGHT
37680
01-Aug-2023
21:03



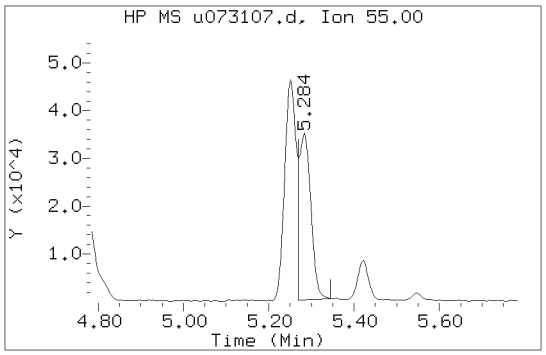
AFTER
MASS
87
AREA
72882
HEIGHT
37680
01-Aug-2023
21:03



BEFORE
MASS
55
AREA
69222
HEIGHT
34865
01-Aug-2023
21:03



AFTER
MASS
55
AREA
69222
HEIGHT
34865
01-Aug-2023
21:03

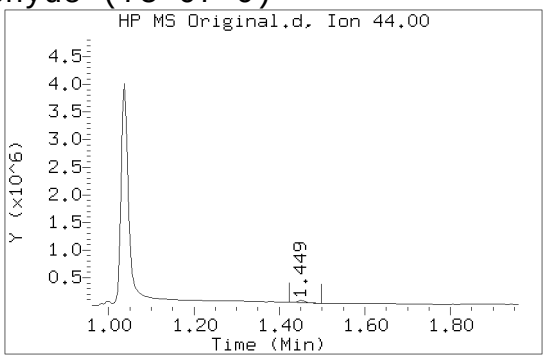


Data File : \\nahstws005\target\chem\voa9.i\u230731.b\u073107.d
Inj Date : 31-JUL-2023 13:44
InstruID : VOA9.i
LabSampID : VSTD020

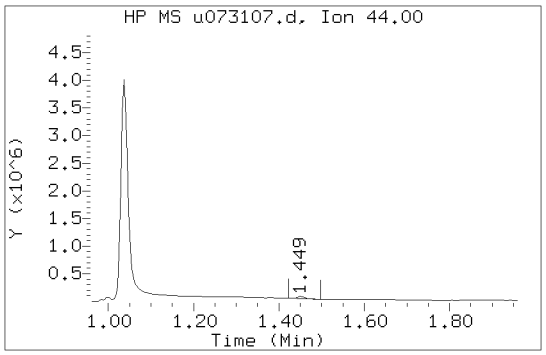
Acetaldehyde (75-07-0)

Reason Code:

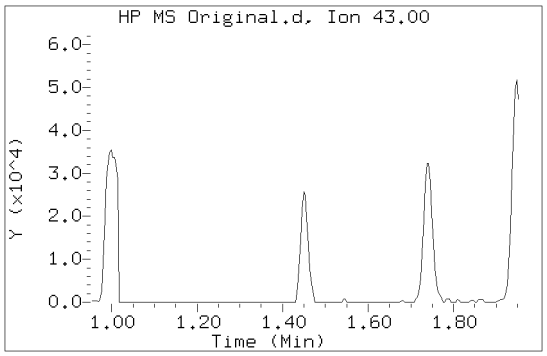
BEFORE
MASS
44
AREA
46567
HEIGHT
39549
01-Aug-2023
21:03



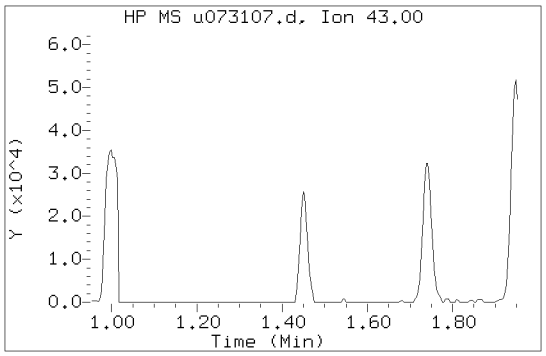
AFTER
MASS
44
AREA
46567
HEIGHT
39549
01-Aug-2023
21:03



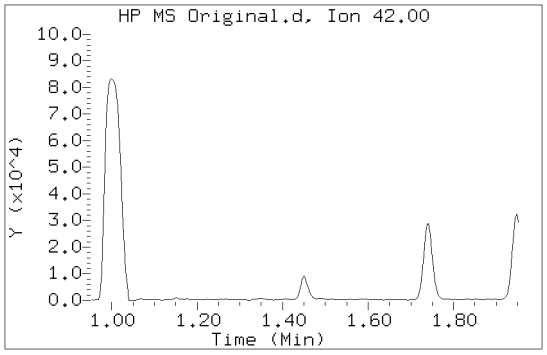
BEFORE
MASS
43
AREA
0
HEIGHT
0
01-Aug-2023
21:03



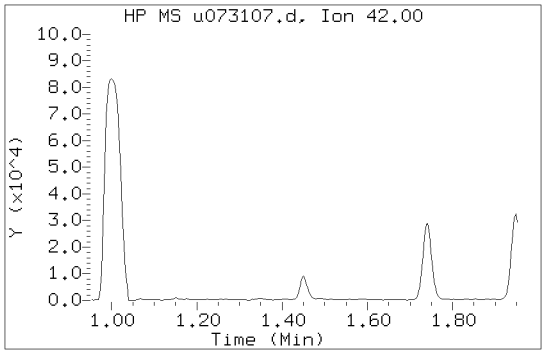
AFTER
MASS
43
AREA
0
HEIGHT
0
01-Aug-2023
21:03



BEFORE
MASS
42
AREA
0
HEIGHT
0
01-Aug-2023
21:03



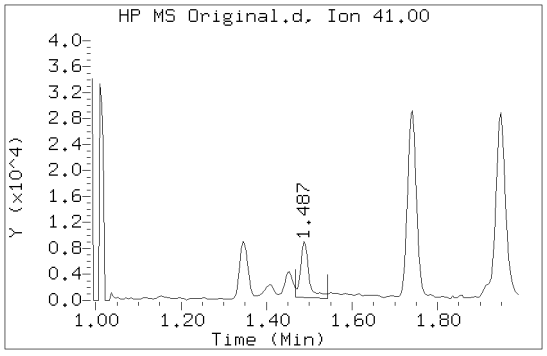
AFTER
MASS
42
AREA
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HEIGHT
0
01-Aug-2023
21:03



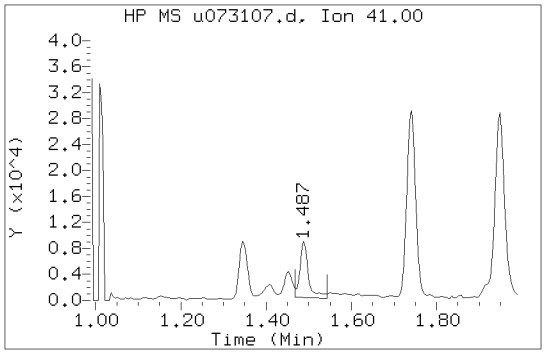
Isobutylene (115-11-7)

Reason Code:

BEFORE
MASS
41
AREA
12262
HEIGHT
8599
01-Aug-2023
21:03



AFTER
MASS
41
AREA
12262
HEIGHT
8599
01-Aug-2023
21:03

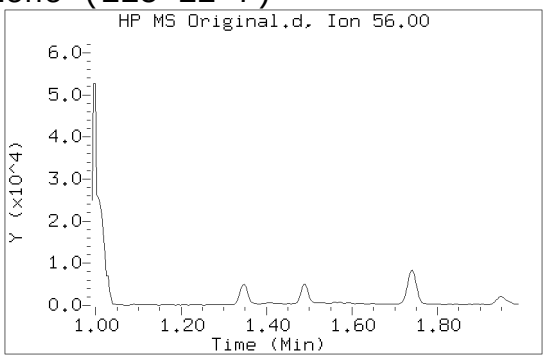


Data File : \\nahstws005\target\chem\voa9.i\u230731.b\u073107.d
Inj Date : 31-JUL-2023 13:44
InstruID : VOA9.i
LabSampID : VSTD020

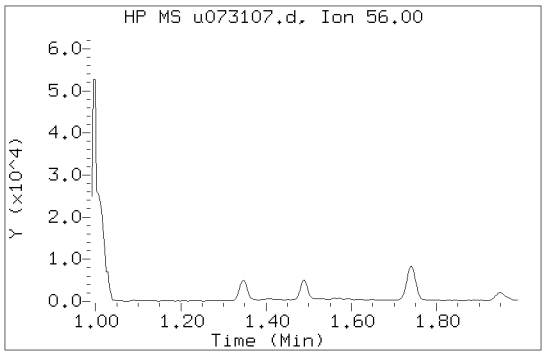
Isobutylene (115-11-7)

Reason Code:

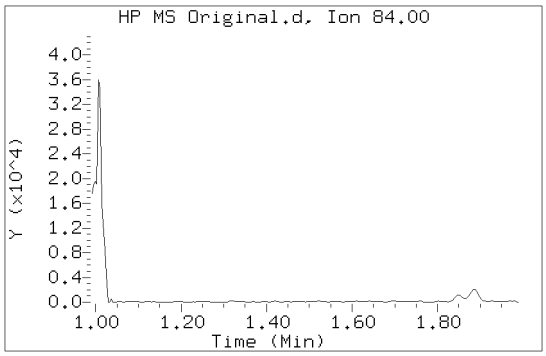
BEFORE
MASS
56
AREA
0
HEIGHT
0
01-Aug-2023
21:03



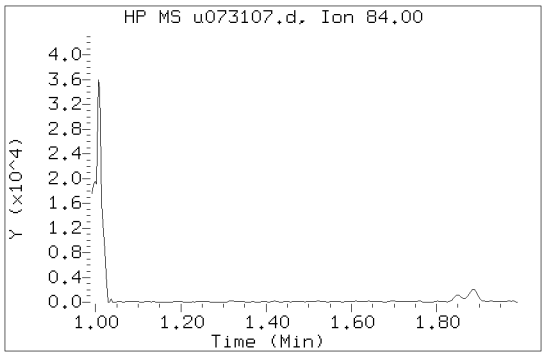
AFTER
MASS
56
AREA
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HEIGHT
0
01-Aug-2023
21:03



BEFORE
MASS
84
AREA
0
HEIGHT
0
01-Aug-2023
21:03



AFTER
MASS
84
AREA
0
HEIGHT
0
01-Aug-2023
21:03



Data File: \\NAHSTWS005\Target\chem\voa9.i\U230731.b\U073108.D Page 1
Report Date: 07-Aug-2023 11:14

ALS Laboratory Group

Data file : \\NAHSTWS005\Target\chem\voa9.i\U230731.b\U073108.D
Lab Smp Id: VSTD050 Client Smp ID: VSTD050
Inj Date : 31-JUL-2023 14:06
Operator : PC Inst ID: VOA9.i
Smp Info : VSTD050;VSTD050;1;7;
Misc Info : V9;WATER;0;1;
Comment   :
Method   : \\NAHSTWS005\Target\chem\voa9.i\U230731.b\8260C.m
Meth Date : 07-Aug-2023 11:14 VOA9.i Quant Type: ISTD
Cal Date : 31-JUL-2023 13:44 Cal File: U073107.D
Als bottle: 9 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 08260V9.sub
Target Version: 4.14
Processing Host: NAHSTW7056

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
* 1	Pentafluorobenzene	168	4.811	4.811	(1.000)	521501	50.0000	
2	Dichlorodifluoromethane	85	1.156	1.156	(0.240)	210687	50.0000	42.40
3	Chloromethane	50	1.291	1.291	(0.268)	290271	50.0000	47.40
5	Vinyl Chloride	62	1.370	1.370	(0.285)	230497	50.0000	44.89
6	Bromomethane	94	1.610	1.610	(0.335)	140100	50.0000	50.62
7	Chloroethane	64	1.693	1.693	(0.352)	140986	50.0000	43.60
8	Trichlorofluoromethane	101	1.887	1.887	(0.392)	278846	50.0000	44.00
9	Acrolein	56	1.741	1.741	(0.362)	30057	100.000	89.85
10	Acetone	43	2.401	2.401	(0.499)	169500	100.000	104.17
11	1,1-Dichloroethene	96	2.326	2.326	(0.483)	156147	50.0000	45.44
15	Iodomethane	142	2.461	2.461	(0.512)	293634	100.000	89.53
16	Acrylonitrile	53	3.061	3.061	(0.636)	164576	100.000	100.39
17	Methylene Chloride	84	2.787	2.787	(0.579)	200746	50.0000	48.08
18	Methyl tert-butyl ether	73	3.072	3.072	(0.639)	524571	50.0000	49.39
19	Carbon Disulfide	76	2.514	2.514	(0.522)	914751	100.000	91.45
20	trans-1,2-Dichloroethene	96	3.050	3.050	(0.634)	173824	50.0000	45.14
21	Vinyl Acetate	43	3.601	3.601	(0.748)	1096284	100.000	99.48
22	1,1-Dichloroethane	63	3.507	3.507	(0.729)	306506	50.0000	43.55
24	2-Butanone	43	4.264	4.264	(0.886)	184731	100.000	90.16
26	2,2-Dichloropropane	77	4.178	4.178	(0.868)	225058	50.0000	46.38

27 cis-1,2-Dichloroethene	96	4.189	4.189 (0.871)	200549	50.0000	46.66
28 Chloroform	83	4.568	4.568 (0.949)	370309	50.0000	45.21

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	29 Bromochloromethane	128	4.463	4.463	(0.928)	114734	50.0000	45.11
$	30 Dibromofluoromethane	113	4.744	4.744	(0.986)	213944	50.0000	51.31
	31 1,1,1-Trichloroethane	97	4.736	4.736	(0.984)	288139	50.0000	45.22
	32 1,1-Dichloropropene	75	4.916	4.916	(0.886)	247660	50.0000	44.27
	33 1,2-Dichloroethane	62	5.171	5.171	(0.932)	310322	50.0000	47.83
	34 Carbon Tetrachloride	117	4.905	4.905	(0.884)	222170	50.0000	44.33
$	35 1,2-Dichloroethane-d4	65	5.093	5.093	(1.058)	242144	50.0000	53.39
*	36 1,4-Difluorobenzene	114	5.550	5.550	(1.000)	753344	50.0000	
	37 Benzene	78	5.134	5.134	(0.925)	847314	50.0000	46.04
	38 Trichloroethene	130	5.786	5.786	(1.043)	234118	50.0000	45.01
	39 Bromodichloromethane	83	6.277	6.277	(1.131)	279504	50.0000	47.48
	41 2-Chloroethylvinyl ether	63	6.573	6.573	(1.184)	8568	100.000	100.26(M)
	42 1,2-Dichloropropane	63	6.007	6.007	(1.082)	233383	50.0000	47.31
	44 Dibromomethane	93	6.116	6.116	(1.102)	151090	50.0000	47.69
	45 4-Methyl-2-Pentanone	43	6.854	6.854	(0.837)	534926	100.000	102.38
	46 cis-1,3-Dichloropropene	75	6.690	6.690	(1.205)	332624	50.0000	44.58
*	47 Chlorobenzene-d5	117	8.185	8.185	(1.000)	702205	50.0000	
$	48 Toluene-d8	98	6.922	6.922	(0.846)	812511	50.0000	49.74
	50 Toluene	91	6.978	6.978	(0.853)	923622	50.0000	48.37
	51 trans-1,3-Dichloropropene	75	7.196	7.196	(1.296)	283880	50.0000	50.04
	52 2-Hexanone	43	7.593	7.593	(0.928)	349171	100.000	100.92
	53 1,1,2-Trichloroethane	83	7.353	7.353	(0.898)	191597	50.0000	46.85
	54 1,3-Dichloropropane	76	7.499	7.499	(0.916)	400885	50.0000	47.79
	55 Dibromochloromethane	129	7.690	7.690	(0.940)	251335	50.0000	50.08
	56 Tetrachloroethene	164	7.454	7.454	(0.911)	200189	50.0000	43.12
	57 1,2-Dibromoethane	107	7.784	7.784	(0.951)	246343	50.0000	50.07
	58 1-Chlorohexane	55	8.197	8.197	(1.477)	157109	50.0000	39.93
	59 Chlorobenzene	112	8.208	8.208	(1.003)	620392	50.0000	45.83
	60 1,1,1,2-Tetrachloroethane	131	8.283	8.283	(1.012)	232375	50.0000	47.10
	61 Ethylbenzene	106	8.305	8.305	(1.015)	284758	50.0000	46.47
	62 m,p-Xylenes	106	8.406	8.406	(1.027)	695488	100.000	96.69
	63 o-Xylene	106	8.744	8.744	(1.068)	348256	50.0000	49.49
	64 Styrene	104	8.759	8.759	(1.070)	567019	50.0000	51.63
	66 Bromoform	173	8.920	8.920	(1.090)	174502	50.0000	49.77
	67 Isopropylbenzene	105	9.062	9.062	(1.107)	789895	50.0000	46.39
	68 1,1,2,2-Tetrachloroethane	83	9.329	9.329	(0.917)	329861	50.0000	46.28
$	69 4-Bromofluorobenzene	95	9.194	9.194	(1.123)	329909	50.0000	51.80
*	70 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	369999	50.0000	
	71 1,2,3-Trichloropropane	75	9.362	9.362	(0.920)	297386	50.0000	47.92
	73 n-Propylbenzene	91	9.411	9.411	(0.925)	850858	50.0000	41.16
	74 Bromobenzene	156	9.317	9.317	(0.916)	282913	50.0000	46.21
	75 1,3,5-Trimethylbenzene	105	9.561	9.561	(0.940)	586347	50.0000	45.34
	76 2-Chlorotoluene	91	9.482	9.482	(0.932)	597862	50.0000	45.83
	77 4-Chlorotoluene	91	9.576	9.576	(0.941)	688448	50.0000	47.24
	78 tert-Butylbenzene	119	9.835	9.835	(0.967)	551666	50.0000	45.03
	79 1,2,4-Trimethylbenzene	105	9.876	9.876	(0.971)	604762	50.0000	46.18
	81 sec-Butylbenzene	105	10.022	10.022	(0.985)	678780	50.0000	48.59
	82 p-Isopropyltoluene	119	10.146	10.146	(0.997)	559357	50.0000	48.64
	83 1,3-Dichlorobenzene	146	10.116	10.116	(0.994)	455217	50.0000	44.55
	84 1,4-Dichlorobenzene	146	10.191	10.191	(1.002)	486155	50.0000	42.94
	87 n-Butylbenzene	91	10.491	10.491	(1.031)	474213	50.0000	38.60
	88 1,2-Dichlorobenzene	146	10.506	10.506	(1.033)	472224	50.0000	45.05

89	1,2-Dibromo-3-Chloropropane	155	11.165	11.165 (1.098)	46740	50.0000	45.48
90	1,2,4-Trichlorobenzene	180	11.855	11.855 (1.165)	306323	50.0000	47.50

		QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	91 Hexachlorobutadiene	225	11.998	11.998	(1.179)	112500	50.0000	48.22
	92 Naphthalene	128	12.065	12.065	(1.186)	769637	50.0000	45.34
	93 1,2,3-Trichlorobenzene	180	12.268	12.268	(1.206)	305902	50.0000	46.46
M	94 1,2-Dichloroethylene (total)	96				374373	100.000	
M	95 Xylenes (total)	106				1043744	150.000	
	135 1,4-Dioxane	88	6.168	6.168	(1.282)	69347	1000.00	927.44(M)
	141 Cyclohexane	56	4.778	4.778	(0.993)	243118	50.0000	41.47
	138 Freon TF	101	2.326	2.326	(0.483)	133548	50.0000	47.95
	140 1,3-Butadiene	54	1.396	1.396	(0.290)	190601	50.0000	45.90
	147 Methylcyclohexane	55	5.947	5.947	(1.072)	564625	50.0000	51.45
	146 Methyl Acetate	43	2.708	2.708	(0.563)	172678	50.0000	46.14
	148 Tert-Butyl alcohol	59	2.963	2.963	(0.616)	427118	1000.00	974.10
	149 Isopropyl Alcohol	45	2.558	2.558	(0.532)	271031	1000.00	940.42

QC Flag Legend

M - Compound response manually integrated.