

LONGHORN ARMY AMMUNITION PLANT KARNACK, TEXAS

ADMINISTRATIVE RECORD

Volume 14 of 19

2010

Bate Stamp Numbers

00093766 – 00094716

Prepared for

**Department of the Army
Longhorn Army Ammunition Plant**

1976 – 2010

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

VOLUME 14 of 19

2010

- A. Title: Report – (Continued) Final Feasibility Study, LHAAP-29, Former TNT
 Production Area, Group 2, Longhorn Army Ammunition Plant, Karnack,
 Texas, April 2010
 Author(s): US Army Corps of Engineers
 Recipient: USEPA
 Date: April 30, 2010
 Bate Stamp: 00093766 – 00094716



156 Starlite Drive, Marietta, OH 45750 • TEL 740-373-4071 • FAX 740-373-4835 • <http://www.kemron.com>

Laboratory Report Number: L0505335

Please find enclosed the analytical results for the samples you submitted to KEMRON Environmental Services.

Review and compilation of your report was completed by KEMRON's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact our team member noted in the Reviewed box below at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

Debra Elliott - Team Leader
delliott@kemron-lab.com

Amanda Fickiesen - Client Services Specialist
afickiesen@kemron-lab.com

Cheryl Koelsch - Team Chemist/Data Specialist
ckoelsch@kemron-lab.com

Annie Bock - Client Services Specialist
abock@kemron-lab.com

Stephanie Mossburg - Team Chemist/Data Specialist
smossburg@kemron-lab.com

Vicki Lauer - Client Services Specialist
vlauer@kemron-lab.com

Kathy Albertson - Team Chemist/Data Specialist
kalbertson@kemron-lab.com

Micalyn Harris - Team Chemist/Data Specialist
mharris@kemron-lab.com

This report was reviewed on May 24, 2005:

A handwritten signature in cursive script, reading "Stephanie Mossburg".

I certify that all test results meet all of the requirements of the NELAP standards and other applicable contract terms and conditions. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on an 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of KEMRON Environmental Services.

This report was certified on May 24, 2005:

A handwritten signature in cursive script, reading "David E. Vandenberg".

FL DOH NELAP ID: E87551

This report contains a total of **121** pages.

Protecting Our Environmental Future

LABORATORY REPORT

L0505335

00093767

05/24/05 14:33

Submitted By

KEMRON Environmental Services

156 Starlite Drive

Marietta, OH 45750

(740) 373 - 4071

For

Account Name: Shaw E & I, Inc.

ABB Lummus Building

3010 Briarpark

Houston, TX 77042

Attention: Diane Mever

Account Number: 307-ALLIANCE-798

Work ID: LONGHORN AAP

P.O. Number: 98696

Sample Summary

Client ID	Lab ID	Date Collected	Date Received
051305-ER	L0505335-01	13-MAY-05	17-MAY-05
051405-ER	L0505335-02	14-MAY-05	17-MAY-05
29WW01-MAY05	L0505335-03	13-MAY-05	17-MAY-05
29WW02-MAY05	L0505335-04	14-MAY-05	17-MAY-05
29WW06-MAY05	L0505335-05	15-MAY-05	17-MAY-05
29WW07-MAY05	L0505335-06	14-MAY-05	17-MAY-05
29WW08-MAY05	L0505335-07	14-MAY-05	17-MAY-05
29WW11-MAY05	L0505335-08	14-MAY-05	17-MAY-05
29WW114-MAY05	L0505335-09	14-MAY-05	17-MAY-05
29WW116-MAY05	L0505335-10	14-MAY-05	17-MAY-05
29WW117-MAY05	L0505335-11	14-MAY-05	17-MAY-05
29WW118-MAY05	L0505335-12	15-MAY-05	17-MAY-05
29WW118-MAY05-MS	L0505335-13	15-MAY-05	17-MAY-05
29WW118-MAY05-MSD	L0505335-14	15-MAY-05	17-MAY-05
29WW12-MAY05	L0505335-15	15-MAY-05	17-MAY-05
29WW13-MAY05	L0505335-16	15-MAY-05	17-MAY-05
29WW14-MAY05	L0505335-17	14-MAY-05	17-MAY-05
29WW18-MAY05	L0505335-18	14-MAY-05	17-MAY-05
29WW25-MAY05	L0505335-19	14-MAY-05	17-MAY-05
29WW27-MAY05	L0505335-20	14-MAY-05	17-MAY-05
29WW28-MAY05	L0505335-21	15-MAY-05	17-MAY-05

KEMRON ENVIRONMENTAL SERVICES
REPORT NARRATIVE

KEMRON Login No.: L0505335

CHAIN OF CUSTODY: The chain of custody number was LHAAP-020

SHIPMENT CONDITIONS: The chain of custody forms were received sealed in a cooler. The cooler temperature was 3 degrees C.

SAMPLE MANAGEMENT: All samples received were intact. There were several time discrepancies between the COC and the labels. The client was notified.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Approved: 17-MAY-05

<i>Stephanie Moseburg</i>

KEMRON ENVIRONMENTAL SERVICES
METALS

KEMRON Login No: L0505335

METHOD

Analysis: SW-846 6010

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibrations: All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration: WG189348(6010) - Due to continuing calibration verification failure on 18-MAY-2005 at 20:19 for cobalt, client sample 01 was reanalyzed at a later date for cobalt. All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Serial Dilution/Post Digestion Spike: WG189348(6010) - All acceptance criteria were met.

SAMPLES

All acceptance criteria were met.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: MMB

Approved: 20-MAY-05
<i>Maren Berry</i>

KEMRON ENVIRONMENTAL SERVICES
METALS

KEMRON Login No: L0505335

METHOD

Analysis: SW-846 6020

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibrations: All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Serial Dilution/Post Digestion Spike: WG189354(6020) - All acceptance criteria were met.

SAMPLES

All acceptance criteria were met.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: JYH

Approved: 20-MAY-05
<i>Maren Berry</i>

KEMRON ENVIRONMENTAL SERVICES
METALS

KEMRON Login No: L0505335

METHOD

Analysis: 7470A

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibrations: All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Serial Dilution/Post Digestion Spike: WG189387(7470A) - All acceptance criteria were met.

SAMPLES

All acceptance criteria were met.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: CRC

Approved: 20-MAY-05
<i>Maren Berry</i>

KEMRON ENVIRONMENTAL SERVICES
Perchlorate**KEMRON Login No.:** L0505335**METHOD****Analysis:** U.S. EPA 314.0**HOLDING TIMES****Sample Preparation:** All holding times were met**Sample Analysis:** All holding times were met**PREPARATION**

Several samples were diluted to get their conductivity within the limits of the method. The reporting limits are elevated accordingly.

CALIBRATION**Initial Calibration:** All acceptance criteria were met.**Alternate Source Standards:** All acceptance criteria were met.**Continuing Calibration:** All acceptance criteria were met.**BATCH QA/QC****Method Blank:** All acceptance criteria were met.**Laboratory Control Sample:** All acceptance criteria were met.**Matrix Spikes:** All acceptance criteria were met.**SAMPLES**

There were no technical difficulties with this sample group.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: JWR

Approved: 24-MAY-05

Report Number: L0505335

Report Date : May 24, 2005

00093773

Sample Number: L0505335-01
 Client ID: 051305-ER
 Matrix: Water
 Workgroup Number: WG189348
 Collect Date: 13-MAY-05
 Sample Tag: 01

Prep Method: 3005A
 Analytical Method: 6010B
 Analyst: KHR
 Dilution: 1
 Units: mg/L

Instrument: PE-ICP
 Prep Date: 05/18/2005 08:20
 Cal Date: 05/18/2005 10:27
 Run Date: 05/18/2005 19:53
 File ID: PE.051805.195324

Analyte	CAS. Number	Result	Qual	RL	MDL
Aluminum, Total	7429-90-5	0.0568	J	0.100	0.0500
Silver, Total	7440-22-4		U	0.0100	0.00500
Arsenic, Total	7440-38-2		U	0.00400	0.00200
Barium, Total	7440-39-3		U	0.0100	0.00250
Beryllium, Total	7440-41-7		U	0.0100	0.000250
Calcium, Total	7440-70-2	0.192	J	0.200	0.100
Cadmium, Total	7440-43-9		U	0.0100	0.00250
Chromium, Total	7440-47-3		U	0.0200	0.00250
Copper, Total	7440-50-8		U	0.0200	0.00500
Iron, Total	7439-89-6	0.0397	J	0.0400	0.0200
Potassium, Total	7440-09-7	0.629	J	1.00	0.250
Magnesium, Total	7439-95-4		U	0.500	0.250
Manganese, Total	7439-96-5		U	0.0100	0.00100
Sodium, Total	7440-23-5	3.53		0.500	0.250
Nickel, Total	7440-02-0		U	0.0400	0.00500
Lead, Total	7439-92-1		U	0.00500	0.00250
Vanadium, Total	7440-62-2		U	0.0100	0.00500
Zinc, Total	7440-66-6		U	0.0200	0.00500

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: L0505335-01
 Client ID: 051305-ER
 Matrix: Water
 Workgroup Number: WG189348
 Collect Date: 13-MAY-05
 Sample Tag: 02

Prep Method: 3005A
 Analytical Method: 6010B
 Analyst: KHR
 Dilution: 1
 Units: mg/L

Instrument: PE-ICP
 Prep Date: 05/18/2005 08:20
 Cal Date: 05/19/2005 09:27
 Run Date: 05/19/2005 10:44
 File ID: PE.051905.104434

Analyte	CAS. Number	Result	Qual	RL	MDL
Cobalt, Total	7440-48-4		U	0.0200	0.00250

U Not detected at or above adjusted sample detection limit

Sample Number: L0505335-01
 Client ID: 051305-ER
 Matrix: Water
 Workgroup Number: WG189354
 Collect Date: 13-MAY-05
 Sample Tag: 01

Prep Method: 3015
 Analytical Method: 6020
 Analyst: JYH
 Dilution: 1
 Units: mg/L

Instrument: ELAN-ICP
 Prep Date: 05/18/2005 08:00
 Cal Date: 05/19/2005 08:06
 Run Date: 05/19/2005 11:20
 File ID: EL.051905.112033

Analyte	CAS. Number	Result	Qual	RL	MDL
Antimony, Total	7440-36-0		U	0.00100	0.000500
Selenium, Total	7782-49-2		U	0.00100	0.000500
Thallium, Total	7440-28-0		U	0.000200	0.000100

U Not detected at or above adjusted sample detection limit

Report Number: L0505335

Report Date : May 24, 2005

00093774

Sample Number: <u>L0505335-01</u>	Prep Method: <u>METHOD</u>	Instrument: <u>HYDRA</u>
Client ID: <u>051305-ER</u>	Analytical Method: <u>7470A</u>	Prep Date: <u>05/18/2005 08:45</u>
Matrix: <u>Water</u>	Analyst: <u>CRC</u>	Cal Date: <u>05/19/2005 12:02</u>
Workgroup Number: <u>WG189387</u>	Dilution: <u>1</u>	Run Date: <u>05/19/2005 14:16</u>
Collect Date: <u>13-MAY-05</u>	Units: <u>mg/L</u>	File ID: <u>HY.051905.141644</u>
Sample Tag: <u>01</u>		

Analyte	CAS. Number	Result	Qual	RL	MDL
Mercury	7439-97-6		U	0.000200	0.000100

U Not detected at or above adjusted sample detection limit

Sample Number: <u>L0505335-02</u>	Prep Method: <u>314.0</u>	Instrument: <u>IC1</u>
Client ID: <u>051405-ER</u>	Analytical Method: <u>314.0</u>	Prep Date: <u>05/17/2005 21:02</u>
Matrix: <u>Water</u>	Analyst: <u>JWR</u>	Cal Date: _____
Workgroup Number: <u>WG189410</u>	Dilution: <u>1</u>	Run Date: <u>05/17/2005 21:02</u>
Collect Date: <u>14-MAY-05</u>	Units: <u>ug/L</u>	File ID: <u>I1051705.28</u>
Sample Tag: <u>01</u>		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	1.00	0.500

U Not detected at or above adjusted sample detection limit

Sample Number: <u>L0505335-03</u>	Prep Method: <u>314.0</u>	Instrument: <u>IC1</u>
Client ID: <u>29WW01-MAY05</u>	Analytical Method: <u>314.0</u>	Prep Date: <u>05/17/2005 21:23</u>
Matrix: <u>Water</u>	Analyst: <u>JWR</u>	Cal Date: _____
Workgroup Number: <u>WG189410</u>	Dilution: <u>2</u>	Run Date: <u>05/17/2005 21:23</u>
Collect Date: <u>13-MAY-05</u>	Units: <u>ug/L</u>	File ID: <u>I1051705.29</u>
Sample Tag: <u>DL01</u>		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	2.00	1.00

U Not detected at or above adjusted sample detection limit

Sample Number: <u>L0505335-04</u>	Prep Method: <u>314.0</u>	Instrument: <u>IC1</u>
Client ID: <u>29WW02-MAY05</u>	Analytical Method: <u>314.0</u>	Prep Date: <u>05/17/2005 21:43</u>
Matrix: <u>Water</u>	Analyst: <u>JWR</u>	Cal Date: _____
Workgroup Number: <u>WG189410</u>	Dilution: <u>5</u>	Run Date: <u>05/17/2005 21:43</u>
Collect Date: <u>14-MAY-05</u>	Units: <u>ug/L</u>	File ID: <u>I1051705.30</u>
Sample Tag: <u>DL01</u>		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	5.00	2.50

U Not detected at or above adjusted sample detection limit

Report Number: L0505335

Report Date : May 24, 2005

00093775

Sample Number: <u>L0505335-05</u>	Prep Method: <u>314.0</u>	Instrument: <u>IC1</u>
Client ID: <u>29WW06-MAY05</u>	Analytical Method: <u>314.0</u>	Prep Date: <u>05/18/2005 22:44</u>
Matrix: <u>Water</u>	Analyst: <u>JWR</u>	Cal Date: _____
Workgroup Number: <u>WG189532</u>	Dilution: <u>20</u>	Run Date: <u>05/18/2005 22:44</u>
Collect Date: <u>15-MAY-05</u>	Units: <u>ug/L</u>	File ID: <u>I1051805.36</u>
Sample Tag: <u>DL01</u>		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0	254		20.0	10.0

Sample Number: <u>L0505335-06</u>	Prep Method: <u>314.0</u>	Instrument: <u>IC1</u>
Client ID: <u>29WW07-MAY05</u>	Analytical Method: <u>314.0</u>	Prep Date: <u>05/17/2005 22:03</u>
Matrix: <u>Water</u>	Analyst: <u>JWR</u>	Cal Date: _____
Workgroup Number: <u>WG189410</u>	Dilution: <u>4</u>	Run Date: <u>05/17/2005 22:03</u>
Collect Date: <u>14-MAY-05</u>	Units: <u>ug/L</u>	File ID: <u>I1051705.31</u>
Sample Tag: <u>DL01</u>		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	4.00	2.00

U Not detected at or above adjusted sample detection limit

Sample Number: <u>L0505335-07</u>	Prep Method: <u>314.0</u>	Instrument: <u>IC1</u>
Client ID: <u>29WW08-MAY05</u>	Analytical Method: <u>314.0</u>	Prep Date: <u>05/17/2005 22:24</u>
Matrix: <u>Water</u>	Analyst: <u>JWR</u>	Cal Date: _____
Workgroup Number: <u>WG189410</u>	Dilution: <u>1</u>	Run Date: <u>05/17/2005 22:24</u>
Collect Date: <u>14-MAY-05</u>	Units: <u>ug/L</u>	File ID: <u>I1051705.32</u>
Sample Tag: <u>01</u>		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	1.00	0.500

U Not detected at or above adjusted sample detection limit

Sample Number: <u>L0505335-08</u>	Prep Method: <u>314.0</u>	Instrument: <u>IC1</u>
Client ID: <u>29WW11-MAY05</u>	Analytical Method: <u>314.0</u>	Prep Date: <u>05/20/2005 21:52</u>
Matrix: <u>Water</u>	Analyst: <u>JWR</u>	Cal Date: _____
Workgroup Number: <u>WG189544</u>	Dilution: <u>10</u>	Run Date: <u>05/20/2005 21:52</u>
Collect Date: <u>14-MAY-05</u>	Units: <u>ug/L</u>	File ID: <u>I1052005.29</u>
Sample Tag: <u>DL01</u>		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	10.0	5.00

U Not detected at or above adjusted sample detection limit

Report Number: **L0505335**Report Date : **May 24, 2005****00093776**

Sample Number: L0505335-09	Prep Method: 314.0	Instrument: IC1
Client ID: 29WW114-MAY05	Analytical Method: 314.0	Prep Date: 05/17/2005 23:05
Matrix: Water	Analyst: JWR	Cal Date: _____
Workgroup Number: WG189410	Dilution: 4	Run Date: 05/17/2005 23:05
Collect Date: 14-MAY-05	Units: ug/L	File ID: I1051705.34
Sample Tag: DL01		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	4.00	2.00

U Not detected at or above adjusted sample detection limit

Sample Number: L0505335-10	Prep Method: 314.0	Instrument: IC1
Client ID: 29WW116-MAY05	Analytical Method: 314.0	Prep Date: 05/17/2005 22:44
Matrix: Water	Analyst: JWR	Cal Date: _____
Workgroup Number: WG189410	Dilution: 4	Run Date: 05/17/2005 22:44
Collect Date: 14-MAY-05	Units: ug/L	File ID: I1051705.33
Sample Tag: DL01		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0	1340	I	4.00	2.00

I Semiquantitative result (out of instrument calibration range)

Sample Number: L0505335-10	Prep Method: 314.0	Instrument: IC1
Client ID: 29WW116-MAY05	Analytical Method: 314.0	Prep Date: 05/18/2005 21:23
Matrix: Water	Analyst: JWR	Cal Date: _____
Workgroup Number: WG189532	Dilution: 40	Run Date: 05/18/2005 21:23
Collect Date: 14-MAY-05	Units: ug/L	File ID: I1051805.32
Sample Tag: DL02		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0	1130		40.0	20.0

Sample Number: L0505335-11	Prep Method: 314.0	Instrument: IC1
Client ID: 29WW117-MAY05	Analytical Method: 314.0	Prep Date: 05/17/2005 23:45
Matrix: Water	Analyst: JWR	Cal Date: _____
Workgroup Number: WG189410	Dilution: 5	Run Date: 05/17/2005 23:45
Collect Date: 14-MAY-05	Units: ug/L	File ID: I1051705.36
Sample Tag: DL01		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	5.00	2.50

U Not detected at or above adjusted sample detection limit

Report Number: L0505335

Report Date : May 24, 2005

00093777

Sample Number: <u>L0505335-12</u>	Prep Method: <u>314.0</u>	Instrument: <u>IC1</u>
Client ID: <u>29WW118-MAY05</u>	Analytical Method: <u>314.0</u>	Prep Date: <u>05/18/2005 15:36</u>
Matrix: <u>Water</u>	Analyst: <u>JWR</u>	Cal Date: _____
Workgroup Number: <u>WG189532</u>	Dilution: <u>4</u>	Run Date: <u>05/18/2005 15:36</u>
Collect Date: <u>15-MAY-05</u>	Units: <u>ug/L</u>	File ID: <u>I1051805.15</u>
Sample Tag: <u>DL01</u>		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	4.00	2.00

U Not detected at or above adjusted sample detection limit

Sample Number: <u>L0505335-13</u>	Prep Method: <u>314.0</u>	Instrument: <u>IC1</u>
Client ID: <u>29WW118-MAY05-MSD</u>	Analytical Method: <u>314.0</u>	Prep Date: <u>05/18/2005 16:17</u>
Matrix: <u>Water</u>	Analyst: <u>JWR</u>	Cal Date: _____
Workgroup Number: <u>WG189532</u>	Dilution: <u>4</u>	Run Date: <u>05/18/2005 16:17</u>
Collect Date: <u>15-MAY-05</u>	Units: <u>ug/L</u>	File ID: <u>I1051805.17</u>
Sample Tag: <u>DL01</u>		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0	97.8		4.00	2.00

Sample Number: <u>L0505335-14</u>	Prep Method: <u>314.0</u>	Instrument: <u>IC1</u>
Client ID: <u>29WW118-MAY05-MSD</u>	Analytical Method: <u>314.0</u>	Prep Date: <u>05/18/2005 16:37</u>
Matrix: <u>Water</u>	Analyst: <u>JWR</u>	Cal Date: _____
Workgroup Number: <u>WG189532</u>	Dilution: <u>4</u>	Run Date: <u>05/18/2005 16:37</u>
Collect Date: <u>15-MAY-05</u>	Units: <u>ug/L</u>	File ID: <u>I1051805.18</u>
Sample Tag: <u>DL01</u>		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0	98.3		4.00	2.00

Sample Number: <u>L0505335-15</u>	Prep Method: <u>314.0</u>	Instrument: <u>IC1</u>
Client ID: <u>29WW12-MAY05</u>	Analytical Method: <u>314.0</u>	Prep Date: <u>05/18/2005 21:43</u>
Matrix: <u>Water</u>	Analyst: <u>JWR</u>	Cal Date: _____
Workgroup Number: <u>WG189532</u>	Dilution: <u>4</u>	Run Date: <u>05/18/2005 21:43</u>
Collect Date: <u>15-MAY-05</u>	Units: <u>ug/L</u>	File ID: <u>I1051805.33</u>
Sample Tag: <u>DL01</u>		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	4.00	2.00

U Not detected at or above adjusted sample detection limit

Report Number: **L0505335**Report Date : **May 24, 2005****00093778**

Sample Number: L0505335-16	Prep Method: 314.0	Instrument: IC1
Client ID: 29WW13-MAY05	Analytical Method: 314.0	Prep Date: 05/18/2005 16:58
Matrix: Water	Analyst: JWR	Cal Date: _____
Workgroup Number: WG189532	Dilution: 1	Run Date: 05/18/2005 16:58
Collect Date: 15-MAY-05	Units: ug/L	File ID: I1051805.19
Sample Tag: 01		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	1.00	0.500

U Not detected at or above adjusted sample detection limit

Sample Number: L0505335-17	Prep Method: 314.0	Instrument: IC1
Client ID: 29WW14-MAY05	Analytical Method: 314.0	Prep Date: 05/18/2005 17:18
Matrix: Water	Analyst: JWR	Cal Date: _____
Workgroup Number: WG189532	Dilution: 1	Run Date: 05/18/2005 17:18
Collect Date: 14-MAY-05	Units: ug/L	File ID: I1051805.20
Sample Tag: 01		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	1.00	0.500

U Not detected at or above adjusted sample detection limit

Sample Number: L0505335-18	Prep Method: 314.0	Instrument: IC1
Client ID: 29WW18-MAY05	Analytical Method: 314.0	Prep Date: 05/18/2005 17:38
Matrix: Water	Analyst: JWR	Cal Date: _____
Workgroup Number: WG189532	Dilution: 2	Run Date: 05/18/2005 17:38
Collect Date: 14-MAY-05	Units: ug/L	File ID: I1051805.21
Sample Tag: DL01		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	2.00	1.00

U Not detected at or above adjusted sample detection limit

Sample Number: L0505335-19	Prep Method: 314.0	Instrument: IC1
Client ID: 29WW25-MAY05	Analytical Method: 314.0	Prep Date: 05/18/2005 23:25
Matrix: Water	Analyst: JWR	Cal Date: _____
Workgroup Number: WG189532	Dilution: 4	Run Date: 05/18/2005 23:25
Collect Date: 14-MAY-05	Units: ug/L	File ID: I1051805.38
Sample Tag: DL01		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	4.00	2.00

U Not detected at or above adjusted sample detection limit

Report Number: **L0505335**Report Date : **May 24, 2005****00093779**

Sample Number: **L0505335-20** Prep Method: **314.0** Instrument: **IC1**
Client ID: **29WW27-MAY05** Analytical Method: **314.0** Prep Date: **05/18/2005 17:59**
Matrix: **Water** Analyst: **JWR** Cal Date: _____
Workgroup Number: **WG189532** Dilution: **4** Run Date: **05/18/2005 17:59**
Collect Date: **14-MAY-05** Units: **ug/L** File ID: **I1051805.22**
Sample Tag: **DL01**

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	4.00	2.00

U Not detected at or above adjusted sample detection limit

Sample Number: **L0505335-21** Prep Method: **314.0** Instrument: **IC1**
Client ID: **29WW28-MAY05** Analytical Method: **314.0** Prep Date: **05/18/2005 18:19**
Matrix: **Water** Analyst: **JWR** Cal Date: _____
Workgroup Number: **WG189532** Dilution: **1** Run Date: **05/18/2005 18:19**
Collect Date: **15-MAY-05** Units: **ug/L** File ID: **I1051805.23**
Sample Tag: **01**

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	1.00	0.500

U Not detected at or above adjusted sample detection limit

WORKGROUP SUMMARY BY METHOD

Analysis:Metals Analysis

Extraction Method:3005A

Workgroup:WG189293

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505335-01	051305-ER		05/18/05 08:20			HOT BLOCK	VC

Analysis:Mercury, Total

Extraction Method:METH0D

Workgroup:WG189295

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505335-01	051305-ER		05/18/05 08:45			HOT BLOCK	REK

Analysis:Antimony, Total

Extraction Method:3015

Workgroup:WG189299

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505335-01	051305-ER		05/18/05 08:00			MICROWAVE	VC

Analysis:Metals Analysis

Analytical Method:6010B

Workgroup:WG189348

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505335-01	051305-ER		05/18/05 08:20	05/18/05 19:53	01	PE-ICP	KHR
L0505335-01	051305-ER		05/18/05 08:20	05/19/05 10:44	02	PE-ICP	KHR

WORKGROUP SUMMARY BY METHOD

00093782

Analysis:Metals Analysis

Analytical Method:6020

Workgroup:WG189354

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505335-01	051305-ER		05/18/05 08:00	05/19/05 11:20	01	ELAN-ICP	JYH

Analysis:Mercury, Total

Analytical Method:7470A

Workgroup:WG189387

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505335-01	051305-ER		05/18/05 08:45	05/19/05 14:16	01	HYDRA	CRC

Analysis:Perchlorate

Analytical Method:314.0

Workgroup:WG189410

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505335-02	051405-ER			05/17/05 21:02	01	IC1	JWR
L0505335-03	29WW01-MAY05			05/17/05 21:23	DL01	IC1	JWR
L0505335-04	29WW02-MAY05			05/17/05 21:43	DL01	IC1	JWR
L0505335-06	29WW07-MAY05			05/17/05 22:03	DL01	IC1	JWR
L0505335-07	29WW08-MAY05			05/17/05 22:24	01	IC1	JWR
L0505335-09	29WW114-MAY05			05/17/05 23:05	DL01	IC1	JWR
L0505335-10	29WW116-MAY05			05/17/05 22:44	DL01	IC1	JWR
L0505335-11	29WW117-MAY05			05/17/05 23:45	DL01	IC1	JWR

Analysis:Perchlorate

Extraction Method:314.0

Workgroup:WG189410

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505335-02	051405-ER		05/17/05 15:15			FILTER	JWR
L0505335-03	29WW01-MAY05		05/17/05 15:15			FILTER	JWR
L0505335-04	29WW02-MAY05		05/17/05 15:15			FILTER	JWR
L0505335-06	29WW07-MAY05		05/17/05 15:15			FILTER	JWR
L0505335-07	29WW08-MAY05		05/17/05 15:15			FILTER	JWR
L0505335-09	29WW114-MAY05		05/17/05 15:15			FILTER	JWR
L0505335-10	29WW116-MAY05		05/17/05 15:15			FILTER	JWR
L0505335-11	29WW117-MAY05		05/17/05 15:15			FILTER	JWR

WORKGROUP SUMMARY BY METHOD

00093783

Analysis:Perchlorate

Analytical Method:314.0

Workgroup:WG189532

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505335-05	29WW06-MAY05			05/18/05 22:44	DL01	IC1	JWR
L0505335-10	29WW116-MAY05			05/18/05 21:23	DL02	IC1	JWR
L0505335-12	29WW118-MAY05			05/18/05 15:36	DL01	IC1	JWR
L0505335-13	29WW118-MAY05-MS			05/18/05 16:17	DL01	IC1	JWR
L0505335-14	29WW118-MAY05-MSD			05/18/05 16:37	DL01	IC1	JWR
L0505335-15	29WW12-MAY05			05/18/05 21:43	DL01	IC1	JWR
L0505335-16	29WW13-MAY05			05/18/05 16:58	01	IC1	JWR
L0505335-17	29WW14-MAY05			05/18/05 17:18	01	IC1	JWR
L0505335-18	29WW18-MAY05			05/18/05 17:38	DL01	IC1	JWR
L0505335-19	29WW25-MAY05			05/18/05 23:25	DL01	IC1	JWR
L0505335-20	29WW27-MAY05			05/18/05 17:59	DL01	IC1	JWR
L0505335-21	29WW28-MAY05			05/18/05 18:19	01	IC1	JWR

Analysis:Perchlorate

Extraction Method:314.0

Workgroup:WG189532

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505335-05	29WW06-MAY05		05/18/05 14:14			FILTER	JWR
L0505335-10	29WW116-MAY05		05/18/05 14:14		DL01	FILTER	JWR
L0505335-12	29WW118-MAY05		05/18/05 14:14			FILTER	JWR
L0505335-13	29WW118-MAY05-MS		05/18/05 14:14			FILTER	JWR
L0505335-14	29WW118-MAY05-MSD		05/18/05 14:14			FILTER	JWR
L0505335-15	29WW12-MAY05		05/18/05 14:14			FILTER	JWR
L0505335-16	29WW13-MAY05		05/18/05 14:14			FILTER	JWR
L0505335-17	29WW14-MAY05		05/18/05 14:14			FILTER	JWR
L0505335-18	29WW18-MAY05		05/18/05 14:14			FILTER	JWR
L0505335-19	29WW25-MAY05		05/18/05 14:14			FILTER	JWR
L0505335-20	29WW27-MAY05		05/18/05 14:14			FILTER	JWR
L0505335-21	29WW28-MAY05		05/18/05 14:14			FILTER	JWR

Analysis:Perchlorate

Analytical Method:314.0

Workgroup:WG189544

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505335-08	29WW11-MAY05			05/20/05 21:52	DL01	IC1	JWR

Analysis:Perchlorate

Extraction Method:314.0

Workgroup:WG189544

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505335-08	29WW11-MAY05		05/20/05 15:24			FILTER	JWR

Kemron Environmental Services
Analyst Listing May 24, 2005

AJF - AMANDA J. FICKIESEN	ALB - ANNIE L. BOCK	ALT - ANN L. THAYER
BRG - BRENDA R. GREGORY	CAF - CHERYL A. FLOWERS	CAK - CHERYL A. KOELSCH
CEB - CHAD E. BARNES	CLC - CHRYS L. CRAWFORD	CLK - CARL L. KING
CLS - CARA L. STRICKLER	CLW - CHARISSA L. WINTERS	CM - CHARLIE MARTIN
CMS - CRYSTAL M. STEPHENS	CPD - CHAD P. DAVIS	CRC - CARLA R. COCHRAN
CSH - CHRIS S. HILL	DAS - DALLAS A. SULLIVAN	DD - DIANE M. DENNIS
DDE - DEBRA D. ELLIOTT	DEL - DON E. LIGHTFRITZ	DEV - DAVID E. VANDENBERG
DGB - DOUGLAS G. BUTCHER	DIH - DEANNA I. HESSON	DLB - DAVID L. BUMGARNER
DLP - DOROTHY L. PAYNE	DLR - DIANNA L. RAUCH	DP - DEANNA L. PIERSON
DR - DEANNA ROBERTS	DRB - DOUG R. BARNETT	DSM - DAVID S. MOSSOR
DST - DENNIS S. TEPE	ECL - ERIC C. LAWSON	ED - EMILY E. DECKER
HAV - HEMA VILASAGAR	JAL - JOHN A. LENT	JJG - JOHN J. GREUEY
JKT - JANE K. THOMPSON	JLS - JANICE L. SCHIMMEL	JWR - JOHN W. RICHARDS
JWS - JACK W. SHEAVES	JYH - JI Y. HU	KEB - KATHRYN E. BARNES
KHR - KIM H. RHODES	KRA - KATHY R. ALBERTSON	LKN - LINDA K. NEDEFF
LSA - LUCINDA S. ARNOLD	LSB - LESLIE S. BUCINA	MAH - MICALYN A. HARRIS
MDA - MICHAEL D. ALBERTSON	MDC - MICHAEL D. COCHRAN	MES - MARY E. SCHILLING
MKZ - MARILYN K. ZUMBRO	MLR - MARY L. ROCHOTTE	MLS - MICHAEL L. SCHIMMEL
MMB - MAREN M. BEERY	MSW - MATT S. WILSON	NJB - NATALIE J. BOOTH
OGT - OKEY G. TUCKER	PAS - PATRICK A. STREET	RB - ROBERT BUCHANAN
RDC - REBECCA D. CUTLIP	REK - ROBERT E. KYER	RWC - RODNEY W. CAMPBELL
SCM - SUSAN C. MOELLENDICK	SK - SANDRA KEENER	SLM - STEPHANIE L. MOSSBURG
SLP - SHERI L. PFALZGRAF	SMH - SHAUNA M. HYDE	TD - TIMOTHY DYSERT
TMM - TAMMY M. MORRIS	VC - VICKI COLLIER	VKL - VICKY K. LAUER

KEMRON Environmental Services, Inc.

List of Valid Qualifiers

May 24, 2005

These are KEMRON's standard report qualifiers:

B	Present in the method blank	NS	Not spiked
C	Confirmed by GC/MS	P	Concentration >40% difference between the two GC columns
CG	Confluent growth		
D	The analyte was quantified as a secondary dilution factor	QNS	Quantity not sufficient to perform analysis
DL	Surrogate or spike was diluted out	RA	Reanalysis confirms reported results
		RE	Reanalysis confirms sample matrix interference
E	Estimated concentration due to sample matrix interference	S	Analyzed by method of standard addition
FL	Free liquid	SMI	Sample matrix interference on surrogate
I	Semi-quantitative result, out of instrument calibration range	SP	Reported results are for spike compounds only
J	Present below normal reporting limit	TNTC	Too numerous to count
L	Sample reporting limits elevated due to matrix interference	U	Analyzed for but not detected
N	Tentatively Identified Compound (TIC)	W	Post-digestion spike for furnace AA out of control limits
NA	Not applicable	X	Exceeds regulatory limit
ND	Not detected at or above the reporting limit (RL)	Z	Can not be resolved from isomer.***
NF	Not found	+	Correlation coefficient for the MSA is less than 0.995
NFL	No free liquid	<	Less than
NI	Non-ignitable	>	Greater than
		*	Surrogate or spike compound out of range

*****Special Notes for Organic Analytes**

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound and are matrix dependent.

AFCEE Qualifiers

These are KEMRON's AFCEE Report Qualifiers

- J** The analyte was positively identified, the quantitation is an estimation.
- U** The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL
- F** The analyte was positively identified by the associated numerical value is below the RL
- R** The data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria
- B** The analyte was found in an associated blank, as well as in the sample
- M** The matrix effect was present
- S** To be applied to all field screening data
- T** Tentatively identified compound (using GC/MS)

Inorganic QA/QC

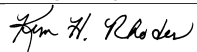
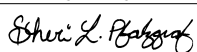
KEMRON Environmental Services
Data Checklist

Date: May 18, 2005
 Analyst: KIM H. RHODES
 Analyst2: MAREN M. BEERY
 Method: 6010B
 Instrument: PE-ICP
 Curve Workgroup: 189302
 Analytical Workgroups: 189247, 189304, 189348

Run Log ID:	5015
Calibration/Linearity	✓
ICV/CCV	✓
ICB/CCB	✓
ICSA/ICSAB	✓
CRI	
Blank/LCS	✓
MS/MSD	✓
Post Spike/Serial Dilution	✓
Upload Results	✓
Data Qualifiers	
Generate PDF Instrument Data	✓
Sign/Annotate PDF Data	✓
Upload Curve Data	✓
Workgroup Forms	✓
Case Narrative	✓
Client Forms	✓
Level X	303
Level 3	276, 323, 324, 334, 335
Level 4	300
Check for compliance with method and project specific requirements	✓
Check the completeness of reported information	✓
Check the information for the report narrative	✓
Primary Reviewer	KHR
Secondary Reviewer	SLP

Comments

Approved By:

Primary: May 18, 2005	Secondary: May 20, 2005
	

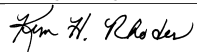
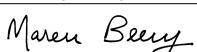
KEMRON Environmental Services
Data Checklist

Date: May 19, 2005
 Analyst: KIM H. RHODES
 Method: 6010B
 Instrument: PE-ICP
 Curve Workgroup: 189502
 Analytical Workgroups: 189348, 189381

Run Log ID:	5036
Calibration/Linearity	✓
ICV/CCV	✓
ICB/CCB	✓
ICSA/ICSAB	✓
CRI	
Blank/LCS	✓
MS/MSD	✓
Post Spike/Serial Dilution	✓
Upload Results	✓
Data Qualifiers	
Generate PDF Instrument Data	✓
Sign/Annotate PDF Data	✓
Upload Curve Data	✓
Workgroup Forms	✓
Case Narrative	✓
Client Forms	✓
Level X	
Level 3	324, 334, 335
Level 4	246
Check for compliance with method and project specific requirements	✓
Check the completeness of reported information	✓
Check the information for the report narrative	✓
Primary Reviewer	KHR
Secondary Reviewer	MMB

Comments

Approved By:

Primary: May 19, 2005	Secondary: May 20, 2005
	

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00093790

Analytical Method: 6010B
Login Number: L0505335

AAB#: WG189348

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
051305-ER	05/13/05	05/17/05	05/18/05	180	4.64	05/18/05	180	0.482	
051305-ER	05/13/05	05/17/05	05/18/05	180	4.64	05/19/05	180	1.10	

* EXT = SEE PROJECT QAPP REQUIREMENTS

* ANAL = SEE PROJECT QAPP REQUIREMENTS

Login Number: L0505335
Blank File ID: PE.051805.172810
Date Analyzed: 05/18/05
Time Analyzed: 17:28
Analyst: KHR

Work Group: WG189348
Blank Sample ID: WG189293-02
Instrument ID: PE-ICP
Method: 6010B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG189293-03	PE.051805.173318	05/18/05 17:33	01
051305-ER	L0505335-01	PE.051805.195324	05/18/05 19:53	01
051305-ER	L0505335-01	PE.051905.104434	05/19/05 10:44	02

Login Number: L0505335 Run Date: 05/18/2005 Sample ID: WG189293-02
 Instrument ID: PE-ICP Run Time: 17:28 Prep Method: 3005A
 File ID: PE.051805.172810 Analyst: KHR Method: 6010B
 Workgroup (AAB#): WG189348 Matrix: Water Units: mg/L
 Contract #: DACA56-94-D-0020 Cal ID: PE-ICP - 18-MAY-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Aluminum	0.0500	0.100	0.0513	1	J
Silver	0.00500	0.0100	0.00500	1	U
Arsenic	0.00200	0.00400	0.00200	1	U
Barium	0.00250	0.0100	0.00250	1	U
Beryllium	0.000250	0.0100	0.000250	1	U
Calcium	0.100	0.200	0.100	1	U
Cadmium	0.00250	0.0100	0.00250	1	U
Cobalt	0.00250	0.0200	0.00250	1	U
Chromium	0.00250	0.0200	0.00250	1	U
Copper	0.00500	0.0200	0.00500	1	U
Iron	0.0200	0.0400	0.0251	1	J
Potassium	0.250	1.00	0.250	1	U
Magnesium	0.250	0.500	0.250	1	U
Manganese	0.00100	0.0100	0.00100	1	U
Sodium	0.250	0.500	0.250	1	U
Nickel	0.00500	0.0400	0.00500	1	U
Lead	0.00250	0.00500	0.00250	1	U
Vanadium	0.00500	0.0100	0.00500	1	U
Zinc	0.00500	0.0200	0.00500	1	U

Login Number: L0505335 Run Date: 05/18/2005 Sample ID: WG189293-03
 Instrument ID: PE-ICP Run Time: 17:33 Prep Method: 3005A
 File ID: PE.051805.173318 Analyst: KHR Method: 6010B
 Workgroup (AAB#): WG189348 Matrix: Water Units: mg/L
 Contract #: DACA56-94-D-0020 Cal ID: PE-ICP-18-MAY-2005 10:27

Analytes	Expected	Found	% Rec	LCS Limits	Q
Aluminum	5.00	4.94	98.8	80 - 120	
Silver	0.200	0.197	98.6	80 - 120	
Arsenic	0.200	0.203	102	80 - 120	
Barium	0.500	0.517	103	80 - 120	
Beryllium	0.0250	0.0253	101	80 - 120	
Calcium	5.00	5.16	103	80 - 120	
Cadmium	0.0250	0.0242	96.9	80 - 120	
Cobalt	0.100	0.111	111	80 - 120	
Chromium	0.250	0.264	106	80 - 120	
Copper	0.250	0.254	101	80 - 120	
Iron	2.00	1.99	99.7	80 - 120	
Potassium	25.0	25.6	102	80 - 120	
Magnesium	5.00	4.93	98.6	80 - 120	
Manganese	0.250	0.258	103	80 - 120	
Sodium	25.0	25.7	103	80 - 120	
Nickel	0.250	0.268	107	80 - 120	
Lead	0.250	0.265	106	80 - 120	
Vanadium	0.500	0.499	99.8	80 - 120	
Zinc	0.500	0.524	105	80 - 120	

Loginnum: L0505335 Cal ID: PE-ICP - 18-MAY-2005 10:27 Worknum: WG189348
 Instrument ID: PE-ICP Contract #: DACA56-94-D-0020 Method: 6010B
 Parent ID: WG189293-01 File ID: PE.051805.174342 Dil: 1 Matrix: WATER
 Sample ID: WG189293-04 MS File ID: PE.051805.174856 Dil: 1 Units: mg/L
 Sample ID: WG189293-05 MSD File ID: PE.051805.175414 Dil: 1

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Aluminum, Dissolved	0.145	5.00	5.27	103	5.00	5.24	102	0.634	75 - 125	20	
Arsenic, Dissolved	ND	0.200	0.205	103	0.200	0.203	102	0.986	75 - 125	20	
Barium, Dissolved	0.0962	0.500	0.610	103	0.500	0.608	102	0.425	75 - 125	20	
Beryllium, Dissolved	ND	0.0250	0.0267	107	0.0250	0.0266	106	0.417	75 - 125	20	
Cadmium, Dissolved	ND	0.0250	0.0247	98.7	0.0250	0.0246	98.3	0.379	75 - 125	20	
Calcium, Dissolved	9.74	5.00	14.3	92.1	5.00	14.2	89.1	1.04	75 - 125	20	
Chromium, Dissolved	ND	0.250	0.256	103	0.250	0.256	102	0.0809	75 - 125	20	
Cobalt, Dissolved	0.0163	0.100	0.127	111	0.100	0.128	112	0.382	75 - 125	20	
Copper, Dissolved	ND	0.250	0.267	107	0.250	0.266	106	0.601	75 - 125	20	
Iron, Dissolved	1.03	2.00	3.07	102	2.00	3.04	100	1.04	75 - 125	20	
Lead, Dissolved	ND	0.250	0.263	105	0.250	0.262	105	0.220	75 - 125	20	
Magnesium, Dissolved	7.62	5.00	12.8	103	5.00	12.7	101	0.805	75 - 125	20	
Manganese, Dissolved	0.243	0.250	0.504	104	0.250	0.499	102	0.994	75 - 125	20	
Nickel, Dissolved	0.0106	0.250	0.275	106	0.250	0.274	106	0.0857	75 - 125	20	
Potassium, Dissolved	2.52	25.0	28.7	105	25.0	28.9	106	0.746	75 - 125	20	
Silver, Dissolved	ND	0.200	0.207	103	0.200	0.206	103	0.640	75 - 125	20	
Sodium, Dissolved	147	25.0	172	96.4	25.0	172	97.9	0.224	75 - 125	20	
Vanadium, Dissolved	ND	0.500	0.501	100	0.500	0.499	99.8	0.372	75 - 125	20	
Zinc, Dissolved	0.0321	0.500	0.558	105	0.500	0.558	105	0.0704	75 - 125	20	

* FAILS %REC LIMIT

FAILS RPD LIMIT

KEMRON ENVIRONMENTAL SERVICES
SERIAL DILUTION REPORT

00093795

Sample Login ID: L0505335
Instrument ID: PE-ICP
Sample ID: L0505324-10 File ID: PE.051805.180436 Dil: 1
Serial Dilution ID: WG189348-02 File ID: PE.051805.181456 Dil: 5

Worknum: WG189348
Method: 6010B
Units: mg/L

Analyte	Sample	C	Serial Dilution	C	% Difference	Q
Aluminum	0.0666	F	0.317	F	376	
Arsenic	0.00139	U	0.00637	U	358	
Barium	0.188		0.174	X	7.45	
Beryllium	ND	U	0.000119	U	239	
Cadmium	0.0000811	U	ND	U		
Calcium	11.4		11.2	X	1.75	
Chromium	ND	U	ND	U		
Cobalt	0.00842	F	0.00641	U	23.9	
Copper	0.00194	U	0.00829	U	327	
Iron	0.0836	X	0.421	X	404	
Lead	0.00166	U	0.00550	U	231	
Magnesium	7.17	X	7.00	X	2.37	
Manganese	0.593		0.604		1.85	
Nickel	0.0126	F	0.00992	U	21.3	
Potassium	8.43	X	8.20	X	2.73	
Silver	0.00182	U	0.0101	U	455	
Sodium	131		128		2.29	
Vanadium	0.000223	U	0.00518	U	2220	
Zinc	0.0538	X	0.0641	F	19.1	

U = Result is below MDL

F = Result is between MDL and RL

X = Result is greater than RL and less than 50 times the MDL

E = %D exceeds control limit of 10% and initial

sample result is greater than or equal to 50 times the MDL

KEMRON ENVIRONMENTAL SERVICES
POST SPIKE REPORT

00093796

Sample Login ID: L0505335

Worknum: WG189348

Instrument ID: PE-ICP

Method: 6010B

Post Spike ID: WG189348-01 File ID: PE.051805.180944 Dil: 1

Units: mg/L

Sample ID: L0505324-10 File ID: PE.051805.180436 Dil: 1

Matrix: Water

Analyte	Control Limit %R	Post Spike Result	C	Sample Result	C	Spike Added (SA)	% R	Q
Aluminum	75 - 125	4.98		0.0666	F	5.0	98.4	
Arsenic	75 - 125	0.200		0	U	0.2	100	
Barium	75 - 125	0.667		0.188		0.5	99.6	
Beryllium	75 - 125	0.0257		ND	U	0.025	103	
Cadmium	75 - 125	0.0238		0	U	0.025	95.2	
Calcium	75 - 125	14.8		11.4		5.0	90.8	
Chromium	75 - 125	0.250		ND	U	0.25	100	
Cobalt	75 - 125	0.114		0.00842	F	0.1	106	
Copper	75 - 125	0.254		0	U	0.25	102	
Iron	75 - 125	2.07		0.0836		2.0	99.7	
Lead	75 - 125	0.256		0	U	0.25	102	
Magnesium	75 - 125	11.4		7.17		5.0	98.9	
Manganese	75 - 125	0.781		0.593		0.25	98.9	
Nickel	75 - 125	0.267		0.0126	F	0.25	102	
Potassium	75 - 125	32.7		8.43		25.0	100	
Silver	75 - 125	0.199		0	U	0.2	99.5	
Sodium	75 - 125	143		131		25.0	100	
Vanadium	75 - 125	0.484		0	U	0.5	96.8	
Zinc	75 - 125	0.557		0.0538		0.5	102	

N = % Recovery exceeds control limits of 75% - 125%

F = Result is between MDL and RL

U = Sample result is below MDL. A value of zero is used in the calculation.

INITIAL CALIBRATION

00093797

Login Number:L0505335

Workgroup (AAB#):WG189348

Analytical Method:6010B

Instrument ID:PE-ICP

ICAL Worknum:WG189302

Initial Calibration Date:18-MAY-2005 10:27:13

Analyte	WG189302-01		WG189302-02		WG189302-03		WG189302-04		R	Q
	STD	INT	STD	INT	STD	INT	STD	INT		
Aluminum	0	896.2	.1	2146.1	10	226186.1	20	464257.2	0.999914	
Arsenic	0	-44	.004	17.5	.4	1936.1	.8	3891.6	0.999997	
Barium	0	307.2	.01	3908.6	1	388963.8	2	766418.6	0.999970	
Beryllium	0	-1525.5	.0005	1203.4	.05	125824.4	.1	250688	0.999998	
Cadmium	0	123.2	.0005	133.8	.05	13188.6	.1	26176.3	0.999992	
Calcium	0	163.3	.1	85.2	10	7612.7	20	14922.7	0.999947	
Chromium	0	-1476	.005	1100	.5	107175.5	1	211450.3	0.999975	
Cobalt	0	-8.5	.002	172.8	.2	16735.9	.4	33060.3	0.999980	
Copper	0	2071.2	.005	2446.1	.5	284169.7	1	573350.1	0.999990	
Iron	0	-723.7	.04	261.9	4	57813.8	8	118041.5	0.999949	
Lead	0	55.2	.005	73.3	.5	7402.4	1	14766.5	0.999999	
Magnesium	0	-881.4	.1	3576.6	10	385651.3	20	795374.8	0.999880	
Manganese	0	-2276.8	.005	5288	.5	518874.7	1	1022450.6	0.999971	
Nickel	0	-315	.005	585.1	.5	56078.5	1	110291.2	0.999963	
Potassium	0	1119.8	.5	7612.5	50	774011.2	100	1535618.9	1.00000	
Silver	0	1403.4	.004	3473.6	.4	371297.4	.8	758086.5	0.999945	
Sodium	0	4549.2	.5	17979.2	50	1755750.5	100	3524268.9	1.00000	
Vanadium	0	-86.2	.01	3367.8	1	364826.2	2	727748.6	0.999999	
Zinc	0	194.6	.01	2694.8	1	184580	2	365997.9	0.999991	

INT = Instrument intensity

R = Coefficient of correlation

Q = Data Qualifier

* = Out of Compliance; R < 0.995

Login Number: L0505335

Workgroup (AAB#): WG189348

Analytical Method: 6010B

Instrument ID: PE-ICP

ICAL Worknum: WG189502

Initial Calibration Date: 19-MAY-2005 09:27:15

Analyte	WG189502-01		WG189502-02		WG189502-03		WG189502-04		R	Q
	STD	INT	STD	INT	STD	INT	STD	INT		
Aluminum	0	885.9	.1	2196.5	10	225889.5	20	465636.6	0.999883	
Arsenic	0	-45	.004	21.2	.4	1964.2	.8	3980.1	0.999977	
Barium	0	307.8	.01	4056	1	389377.8	2	771298.2	0.999988	
Beryllium	0	-1564.6	.0005	1351.3	.05	126236.5	.1	251078.1	0.999996	
Cadmium	0	122.6	.0005	133.7	.05	13082.2	.1	26644.7	0.999957	
Calcium	0	164.5	.1	73.5	10	7578.1	20	14978.8	0.999981	
Chromium	0	-1460.6	.005	1168.5	.5	107701.2	1	212050.8	0.999968	
Cobalt	0	-11.4	.002	174.9	.2	16632.4	.4	32807.3	0.999975	
Copper	0	2084.8	.005	2471.5	.5	282935.5	1	576498.4	0.999956	
Iron	0	-676.7	.04	294.7	4	58355.7	8	119342.1	0.999940	
Lead	0	53	.005	71.4	.5	7376.5	1	14811.6	0.999998	
Magnesium	0	-877	.1	3749.4	10	387262.4	20	800931.6	0.999856	
Manganese	0	-2259.9	.005	5603.8	.5	523388.3	1	1035009.7	0.999983	
Nickel	0	-315.9	.005	614.7	.5	55988.7	1	109818.3	0.999950	
Potassium	0	1361	.5	8171.6	50	804238.7	100	1602657.1	1.00000	
Silver	0	1438.2	.004	3549.5	.4	371161.3	.8	763838.6	0.999895	
Sodium	0	7379.1	.5	18671.2	50	1816787.7	100	3622935.7	1.00000	
Vanadium	0	-106.9	.01	3529.5	1	369179	2	737979.1	1.00000	
Zinc	0	225	.01	2280	1	184260.8	2	361111.2	0.999947	

INT = Instrument intensity

R = Coefficient of correlation

Q = Data Qualifier

* = Out of Compliance; R < 0.995

KEMRON Environmental Services
INITIAL CALIBRATION BLANK REPORT

00093799

Login Number: L0505335 Run Date: 05/18/2005 Sample ID: WG189302-06
Instrument ID: PE-ICP Run Time: 10:37 Method: 6010B
File ID: PE.051805.103757 Analyst: KHR Units: mg/L
Workgroup (AAB#): WG189348 Cal ID: PE-ICP - 18-MAY-05

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Aluminum	0.0500	0.100	.0515	1	F
Silver	0.00500	0.0100	.0018	1	U
Arsenic	0.00200	0.00400	.000729	1	U
Barium	0.00250	0.0100	-.00275	1	F
Beryllium	0.000250	0.0100	-.0000506	1	U
Calcium	0.100	0.200	-.0267	1	U
Cadmium	0.00250	0.0100	-.0000476	1	U
Cobalt	0.00250	0.0200	-.000472	1	U
Chromium	0.00250	0.0200	-.00148	1	U
Copper	0.00500	0.0200	.00125	1	U
Iron	0.0200	0.0400	.0267	1	F
Potassium	0.250	1.00	.0355	1	U
Magnesium	0.250	0.500	.0583	1	U
Manganese	0.00100	0.0100	-.00149	1	F
Sodium	0.250	0.500	.00751	1	U
Nickel	0.00500	0.0400	-.00176	1	U
Lead	0.00250	0.00500	.0000774	1	U
Vanadium	0.00500	0.0100	.000116	1	U
Zinc	0.00500	0.0200	-.00333	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON Environmental Services
INITIAL CALIBRATION BLANK REPORT

00093800

Login Number: L0505335 Run Date: 05/19/2005 Sample ID: WG189502-06
Instrument ID: PE-ICP Run Time: 09:37 Method: 6010B
File ID: PE.051905.093745 Analyst: KHR Units: mg/L
Workgroup (AAB#): WG189348 Cal ID: PE-ICP - 19-MAY-05

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Aluminum	0.0500	0.100	.0576	1	F
Silver	0.00500	0.0100	.00222	1	U
Arsenic	0.00200	0.00400	.000724	1	U
Barium	0.00250	0.0100	-.00193	1	U
Beryllium	0.000250	0.0100	-.0000512	1	U
Calcium	0.100	0.200	-.0139	1	U
Cadmium	0.00250	0.0100	.00016	1	U
Cobalt	0.00250	0.0200	-.000485	1	U
Chromium	0.00250	0.0200	-.0016	1	U
Copper	0.00500	0.0200	.00195	1	U
Iron	0.0200	0.0400	.0277	1	F
Potassium	0.250	1.00	.0209	1	U
Magnesium	0.250	0.500	.0631	1	U
Manganese	0.00100	0.0100	-.00122	1	F
Sodium	0.250	0.500	-.0141	1	U
Nickel	0.00500	0.0400	-.002	1	U
Lead	0.00250	0.00500	.000809	1	U
Vanadium	0.00500	0.0100	.000335	1	U
Zinc	0.00500	0.0200	-.00452	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON Environmental Services
CONTINUING CALIBRATION BLANK REPORT

00093801

Login Number: L0505335	Run Date: 05/18/2005	Sample ID: WG189302-10
Instrument ID: PE-ICP	Run Time: 10:58	Method: 6010B
File ID: PE.051805.105839	Analyst: KHR	Units: mg/L
Workgroup (AAB#): WG189348	Cal ID: PE-ICP - 18-MAY-05	

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Aluminum	0.0500	0.100	.0534	1	F
Silver	0.00500	0.0100	.00194	1	U
Arsenic	0.00200	0.00400	.000952	1	U
Barium	0.00250	0.0100	-.00275	1	F
Beryllium	0.000250	0.0100	-.0000344	1	U
Calcium	0.100	0.200	-.0228	1	U
Cadmium	0.00250	0.0100	-.0000367	1	U
Cobalt	0.00250	0.0200	-.000522	1	U
Chromium	0.00250	0.0200	-.00157	1	U
Copper	0.00500	0.0200	.00135	1	U
Iron	0.0200	0.0400	.0277	1	F
Potassium	0.250	1.00	.0137	1	U
Magnesium	0.250	0.500	.0592	1	U
Manganese	0.00100	0.0100	-.00153	1	F
Sodium	0.250	0.500	-.00528	1	U
Nickel	0.00500	0.0400	-.00173	1	U
Lead	0.00250	0.00500	.000174	1	U
Vanadium	0.00500	0.0100	-.00013	1	U
Zinc	0.00500	0.0200	-.00338	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON Environmental Services
CONTINUING CALIBRATION BLANK REPORT

00093802

Login Number: L0505335	Run Date: 05/18/2005	Sample ID: WG189302-28
Instrument ID: PE-ICP	Run Time: 18:25	Method: 6010B
File ID: PE.051805.182517	Analyst: KHR	Units: mg/L
Workgroup (AAB#): WG189348	Cal ID: PE-ICP - 18-MAY-05	

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Aluminum	0.0500	0.100	.0527	1	F
Silver	0.00500	0.0100	.0017	1	U
Arsenic	0.00200	0.00400	.000614	1	U
Barium	0.00250	0.0100	-.00276	1	F
Beryllium	0.000250	0.0100	-.0000652	1	U
Calcium	0.100	0.200	-.0288	1	U
Cadmium	0.00250	0.0100	-.0000813	1	U
Cobalt	0.00250	0.0200	-.000737	1	U
Chromium	0.00250	0.0200	-.00157	1	U
Copper	0.00500	0.0200	.00108	1	U
Iron	0.0200	0.0400	.0257	1	F
Potassium	0.250	1.00	.0393	1	U
Magnesium	0.250	0.500	.0599	1	U
Manganese	0.00100	0.0100	-.00149	1	F
Sodium	0.250	0.500	.129	1	U
Nickel	0.00500	0.0400	-.00143	1	U
Lead	0.00250	0.00500	.00054	1	U
Vanadium	0.00500	0.0100	-.0000206	1	U
Zinc	0.00500	0.0200	-.00408	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON Environmental Services
CONTINUING CALIBRATION BLANK REPORT

00093803

Login Number: L0505335	Run Date: 05/18/2005	Sample ID: WG189302-30
Instrument ID: PE-ICP	Run Time: 19:16	Method: 6010B
File ID: PE.051805.191611	Analyst: KHR	Units: mg/L
Workgroup (AAB#): WG189348	Cal ID: PE-ICP - 18-MAY-05	

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Aluminum	0.0500	0.100	.0539	1	F
Silver	0.00500	0.0100	.0017	1	U
Arsenic	0.00200	0.00400	.00102	1	U
Barium	0.00250	0.0100	-.00274	1	F
Beryllium	0.000250	0.0100	-.0000975	1	U
Calcium	0.100	0.200	-.0278	1	U
Cadmium	0.00250	0.0100	-.0000817	1	U
Cobalt	0.00250	0.0200	-.000754	1	U
Chromium	0.00250	0.0200	-.00166	1	U
Copper	0.00500	0.0200	.00119	1	U
Iron	0.0200	0.0400	.0282	1	F
Potassium	0.250	1.00	.0364	1	U
Magnesium	0.250	0.500	.059	1	U
Manganese	0.00100	0.0100	-.00154	1	F
Sodium	0.250	0.500	.0582	1	U
Nickel	0.00500	0.0400	-.00139	1	U
Lead	0.00250	0.00500	.000674	1	U
Vanadium	0.00500	0.0100	-.0000651	1	U
Zinc	0.00500	0.0200	-.00378	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON Environmental Services
CONTINUING CALIBRATION BLANK REPORT

00093804

Login Number: L0505335	Run Date: 05/18/2005	Sample ID: WG189302-32
Instrument ID: PE-ICP	Run Time: 20:24	Method: 6010B
File ID: PE.051805.202418	Analyst: KHR	Units: mg/L
Workgroup (AAB#): WG189348	Cal ID: PE-ICP - 18-MAY-05	

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Aluminum	0.0500	0.100	.0578	1	F
Silver	0.00500	0.0100	.00189	1	U
Arsenic	0.00200	0.00400	.000831	1	U
Barium	0.00250	0.0100	-.00239	1	U
Beryllium	0.000250	0.0100	-.000142	1	U
Calcium	0.100	0.200	.00167	1	U
Cadmium	0.00250	0.0100	-.0000585	1	U
Cobalt	0.00250	0.0200	-.000744	1	U
Chromium	0.00250	0.0200	-.00195	1	U
Copper	0.00500	0.0200	.00148	1	U
Iron	0.0200	0.0400	.0266	1	F
Potassium	0.250	1.00	.136	1	U
Magnesium	0.250	0.500	.0597	1	U
Manganese	0.00100	0.0100	-.00159	1	F
Sodium	0.250	0.500	.37	1	F
Nickel	0.00500	0.0400	-.00138	1	U
Lead	0.00250	0.00500	.00108	1	U
Vanadium	0.00500	0.0100	.000072	1	U
Zinc	0.00500	0.0200	-.00352	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON Environmental Services
CONTINUING CALIBRATION BLANK REPORT

00093805

Login Number: L0505335	Run Date: 05/18/2005	Sample ID: WG189302-26
Instrument ID: PE-ICP	Run Time: 17:04	Method: 6010B
File ID: PE.051805.170454	Analyst: KHR	Units: mg/L
Workgroup (AAB#): WG189348	Cal ID: PE-ICP - 18-MAY-05	

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Aluminum	0.0500	0.100	.0515	1	F
Silver	0.00500	0.0100	.00188	1	U
Arsenic	0.00200	0.00400	.000777	1	U
Barium	0.00250	0.0100	-.00278	1	F
Beryllium	0.000250	0.0100	-.0000589	1	U
Calcium	0.100	0.200	-.0294	1	U
Cadmium	0.00250	0.0100	-.0000762	1	U
Cobalt	0.00250	0.0200	-.000684	1	U
Chromium	0.00250	0.0200	-.00143	1	U
Copper	0.00500	0.0200	.00105	1	U
Iron	0.0200	0.0400	.0274	1	F
Potassium	0.250	1.00	.00979	1	U
Magnesium	0.250	0.500	.0608	1	U
Manganese	0.00100	0.0100	-.00148	1	F
Sodium	0.250	0.500	.00988	1	U
Nickel	0.00500	0.0400	-.0015	1	U
Lead	0.00250	0.00500	.0000442	1	U
Vanadium	0.00500	0.0100	-.0000774	1	U
Zinc	0.00500	0.0200	-.00419	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON Environmental Services
CONTINUING CALIBRATION BLANK REPORT

00093806

Login Number: L0505335	Run Date: 05/19/2005	Sample ID: WG189502-10
Instrument ID: PE-ICP	Run Time: 09:58	Method: 6010B
File ID: PE.051905.095829	Analyst: KHR	Units: mg/L
Workgroup (AAB#): WG189348	Cal ID: PE-ICP - 19-MAY-05	

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Aluminum	0.0500	0.100	.0586	1	F
Silver	0.00500	0.0100	.00223	1	U
Arsenic	0.00200	0.00400	.000837	1	U
Barium	0.00250	0.0100	-.00195	1	U
Beryllium	0.000250	0.0100	-.000054	1	U
Calcium	0.100	0.200	-.016	1	U
Cadmium	0.00250	0.0100	.000183	1	U
Cobalt	0.00250	0.0200	-.000416	1	U
Chromium	0.00250	0.0200	-.00174	1	U
Copper	0.00500	0.0200	.00207	1	U
Iron	0.0200	0.0400	.0298	1	F
Potassium	0.250	1.00	-.00511	1	U
Magnesium	0.250	0.500	.0631	1	U
Manganese	0.00100	0.0100	-.00122	1	F
Sodium	0.250	0.500	-.0453	1	U
Nickel	0.00500	0.0400	-.00208	1	U
Lead	0.00250	0.00500	.000885	1	U
Vanadium	0.00500	0.0100	.000211	1	U
Zinc	0.00500	0.0200	-.00453	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON Environmental Services
CONTINUING CALIBRATION BLANK REPORT

00093807

Login Number: L0505335	Run Date: 05/19/2005	Sample ID: WG189502-12
Instrument ID: PE-ICP	Run Time: 10:54	Method: 6010B
File ID: PE.051905.105451	Analyst: KHR	Units: mg/L
Workgroup (AAB#): WG189348	Cal ID: PE-ICP - 19-MAY-05	

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Aluminum	0.0500	0.100	.058	1	F
Silver	0.00500	0.0100	.00219	1	U
Arsenic	0.00200	0.00400	.00122	1	U
Barium	0.00250	0.0100	-.00194	1	U
Beryllium	0.000250	0.0100	-.0000447	1	U
Calcium	0.100	0.200	-.0205	1	U
Cadmium	0.00250	0.0100	.000174	1	U
Cobalt	0.00250	0.0200	-.000516	1	U
Chromium	0.00250	0.0200	-.00174	1	U
Copper	0.00500	0.0200	.00203	1	U
Iron	0.0200	0.0400	.0283	1	F
Potassium	0.250	1.00	-.0179	1	U
Magnesium	0.250	0.500	.0656	1	U
Manganese	0.00100	0.0100	-.00125	1	F
Sodium	0.250	0.500	-.0645	1	U
Nickel	0.00500	0.0400	-.00212	1	U
Lead	0.00250	0.00500	.000797	1	U
Vanadium	0.00500	0.0100	.000132	1	U
Zinc	0.00500	0.0200	-.00446	1	U

U = Result is less than MDL
F = Result is between MDL and RL

Login Number: L0505335 Run Date: 05/18/2005 Sample ID: WG189302-05
 Instrument ID: PE-ICP Run Time: 10:32 Method: 6010B
 File ID: PE.051805.103234 Analyst: KHR Units: mg/L
 Workgroup (AAB#): WG189348 Cal ID: PE-ICP - 18-MAY-05

Analyte	Expected	Found	%REC	LIMITS	Q
Aluminum	10	9.69	96.9	90 - 110	
Silver	.4	0.384	96.1	90 - 110	
Arsenic	.4	0.393	98.2	90 - 110	
Barium	1	1.02	102	90 - 110	
Beryllium	.05	0.0502	100	90 - 110	
Calcium	10	9.90	99.0	90 - 110	
Cadmium	.05	0.0480	96.1	90 - 110	
Cobalt	.2	0.202	101	90 - 110	
Chromium	.5	0.515	103	90 - 110	
Copper	.5	0.503	101	90 - 110	
Iron	4	4.09	102	90 - 110	
Potassium	50	50.0	99.9	90 - 110	
Magnesium	10	9.75	97.5	90 - 110	
Manganese	.5	0.510	102	90 - 110	
Sodium	50	52.2	104	90 - 110	
Nickel	.5	0.534	107	90 - 110	
Lead	.5	0.514	103	90 - 110	
Vanadium	1	1.01	101	90 - 110	
Zinc	1	1.03	103	90 - 110	

* Exceeds LIMITS Limit

Login Number: L0505335 Run Date: 05/19/2005 Sample ID: WG189502-05
 Instrument ID: PE-ICP Run Time: 09:32 Method: 6010B
 File ID: PE.051905.093229 Analyst: KHR Units: mg/L
 Workgroup (AAB#): WG189348 Cal ID: PE-ICP - 19-MAY-05

Analyte	Expected	Found	%REC	LIMITS	Q
Aluminum	10	9.69	96.9	90 - 110	
Silver	.4	0.385	96.2	90 - 110	
Arsenic	.4	0.392	97.9	90 - 110	
Barium	1	1.01	101	90 - 110	
Beryllium	.05	0.0499	99.8	90 - 110	
Calcium	10	9.83	98.3	90 - 110	
Cadmium	.05	0.0480	95.9	90 - 110	
Cobalt	.2	0.203	102	90 - 110	
Chromium	.5	0.513	103	90 - 110	
Copper	.5	0.503	101	90 - 110	
Iron	4	4.06	102	90 - 110	
Potassium	50	49.2	98.4	90 - 110	
Magnesium	10	9.76	97.6	90 - 110	
Manganese	.5	0.509	102	90 - 110	
Sodium	50	51.8	104	90 - 110	
Nickel	.5	0.531	106	90 - 110	
Lead	.5	0.510	102	90 - 110	
Vanadium	1	1.01	101	90 - 110	
Zinc	1	1.01	101	90 - 110	

* Exceeds LIMITS Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00093810

Login Number: L0505335 Run Date: 05/18/2005 Sample ID: WG189302-09
Instrument ID: PE-ICP Run Time: 10:53 Method: 6010B
File ID: PE.051805.105326 Analyst: KHR
Workgroup (AAB#): WG189348 Cal ID: PE-ICP - 18-MAY-05

Analyte	Expected	Found	%REC	LIMITS	UNITS	Q
Aluminum	10	9.81	98.1	90 - 110	mg/L	
Silver	.4	0.389	97.2	90 - 110	mg/L	
Arsenic	.4	0.398	99.5	90 - 110	mg/L	
Barium	1	1.03	103	90 - 110	mg/L	
Beryllium	.05	0.0508	102	90 - 110	mg/L	
Calcium	10	9.95	99.5	90 - 110	mg/L	
Cadmium	.05	0.0488	97.7	90 - 110	mg/L	
Cobalt	.2	0.207	103	90 - 110	mg/L	
Chromium	.5	0.521	104	90 - 110	mg/L	
Copper	.5	0.509	102	90 - 110	mg/L	
Iron	4	4.11	103	90 - 110	mg/L	
Potassium	50	50.6	101	90 - 110	mg/L	
Magnesium	10	9.82	98.2	90 - 110	mg/L	
Manganese	.5	0.512	102	90 - 110	mg/L	
Sodium	50	52.8	106	90 - 110	mg/L	
Nickel	.5	0.540	108	90 - 110	mg/L	
Lead	.5	0.520	104	90 - 110	mg/L	
Vanadium	1	1.01	101	90 - 110	mg/L	
Zinc	1	1.03	103	90 - 110	mg/L	

* Exceeds LIMITS Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00093811

Login Number: L0505335 Run Date: 05/18/2005 Sample ID: WG189302-27
Instrument ID: PE-ICP Run Time: 18:20 Method: 6010B
File ID: PE.051805.182004 Analyst: KHR
Workgroup (AAB#): WG189348 Cal ID: PE-ICP - 18-MAY-05

Analyte	Expected	Found	%REC	LIMITS	UNITS	Q
Aluminum	10	9.72	97.2	90 - 110	mg/L	
Silver	.4	0.387	96.6	90 - 110	mg/L	
Arsenic	.4	0.396	99.0	90 - 110	mg/L	
Barium	1	1.01	101	90 - 110	mg/L	
Beryllium	.05	0.0497	99.3	90 - 110	mg/L	
Calcium	10	9.83	98.3	90 - 110	mg/L	
Cadmium	.05	0.0479	95.9	90 - 110	mg/L	
Cobalt	.2	0.217	109	90 - 110	mg/L	
Chromium	.5	0.518	104	90 - 110	mg/L	
Copper	.5	0.508	102	90 - 110	mg/L	
Iron	4	3.95	98.8	90 - 110	mg/L	
Potassium	50	50.0	99.9	90 - 110	mg/L	
Magnesium	10	9.76	97.6	90 - 110	mg/L	
Manganese	.5	0.502	100	90 - 110	mg/L	
Sodium	50	52.6	105	90 - 110	mg/L	
Nickel	.5	0.531	106	90 - 110	mg/L	
Lead	.5	0.519	104	90 - 110	mg/L	
Vanadium	1	0.981	98.1	90 - 110	mg/L	
Zinc	1	0.998	99.8	90 - 110	mg/L	

* Exceeds LIMITS Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00093812

Login Number: L0505335 Run Date: 05/18/2005 Sample ID: WG189302-29
Instrument ID: PE-ICP Run Time: 19:10 Method: 6010B
File ID: PE.051805.191058 Analyst: KHR
Workgroup (AAB#): WG189348 Cal ID: PE-ICP - 18-MAY-05

Analyte	Expected	Found	%REC	LIMITS	UNITS	Q
Aluminum	10	9.57	95.7	90 - 110	mg/L	
Silver	.4	0.379	94.8	90 - 110	mg/L	
Arsenic	.4	0.393	98.3	90 - 110	mg/L	
Barium	1	1.00	100	90 - 110	mg/L	
Beryllium	.05	0.0491	98.1	90 - 110	mg/L	
Calcium	10	9.62	96.2	90 - 110	mg/L	
Cadmium	.05	0.0473	94.7	90 - 110	mg/L	
Cobalt	.2	0.220	110	90 - 110	mg/L	
Chromium	.5	0.516	103	90 - 110	mg/L	
Copper	.5	0.497	99.4	90 - 110	mg/L	
Iron	4	3.90	97.5	90 - 110	mg/L	
Potassium	50	49.6	99.3	90 - 110	mg/L	
Magnesium	10	9.73	97.3	90 - 110	mg/L	
Manganese	.5	0.499	99.7	90 - 110	mg/L	
Sodium	50	52.9	106	90 - 110	mg/L	
Nickel	.5	0.531	106	90 - 110	mg/L	
Lead	.5	0.516	103	90 - 110	mg/L	
Vanadium	1	0.971	97.1	90 - 110	mg/L	
Zinc	1	0.998	99.8	90 - 110	mg/L	

* Exceeds LIMITS Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00093813

Login Number: L0505335 Run Date: 05/18/2005 Sample ID: WG189302-31
Instrument ID: PE-ICP Run Time: 20:19 Method: 6010B
File ID: PE.051805.201905 Analyst: KHR
Workgroup (AAB#): WG189348 Cal ID: PE-ICP - 18-MAY-05

Analyte	Expected	Found	%REC	LIMITS	UNITS	Q
Aluminum	10	9.61	96.1	90 - 110	mg/L	
Silver	.4	0.380	95.0	90 - 110	mg/L	
Arsenic	.4	0.393	98.2	90 - 110	mg/L	
Barium	1	1.01	101	90 - 110	mg/L	
Beryllium	.05	0.0495	98.9	90 - 110	mg/L	
Calcium	10	9.68	96.8	90 - 110	mg/L	
Cadmium	.05	0.0476	95.3	90 - 110	mg/L	
Cobalt	.2	0.223	112	90 - 110	mg/L	*
Chromium	.5	0.519	104	90 - 110	mg/L	
Copper	.5	0.498	99.7	90 - 110	mg/L	
Iron	4	3.89	97.3	90 - 110	mg/L	
Potassium	50	49.8	99.6	90 - 110	mg/L	
Magnesium	10	9.76	97.6	90 - 110	mg/L	
Manganese	.5	0.502	100	90 - 110	mg/L	
Sodium	50	54.3	109	90 - 110	mg/L	
Nickel	.5	0.536	107	90 - 110	mg/L	
Lead	.5	0.517	103	90 - 110	mg/L	
Vanadium	1	0.980	98.0	90 - 110	mg/L	
Zinc	1	1.01	101	90 - 110	mg/L	

* Exceeds LIMITS Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00093814

Login Number: L0505335 Run Date: 05/18/2005 Sample ID: WG189302-25
Instrument ID: PE-ICP Run Time: 16:59 Method: 6010B
File ID: PE.051805.165942 Analyst: KHR
Workgroup (AAB#): WG189348 Cal ID: PE-ICP - 18-MAY-05

Analyte	Expected	Found	%REC	LIMITS	UNITS	Q
Aluminum	10	9.76	97.6	90 - 110	mg/L	
Silver	.4	0.387	96.8	90 - 110	mg/L	
Arsenic	.4	0.394	98.5	90 - 110	mg/L	
Barium	1	1.01	101	90 - 110	mg/L	
Beryllium	.05	0.0499	99.7	90 - 110	mg/L	
Calcium	10	9.87	98.7	90 - 110	mg/L	
Cadmium	.05	0.0482	96.3	90 - 110	mg/L	
Cobalt	.2	0.214	107	90 - 110	mg/L	
Chromium	.5	0.517	103	90 - 110	mg/L	
Copper	.5	0.509	102	90 - 110	mg/L	
Iron	4	3.99	99.7	90 - 110	mg/L	
Potassium	50	50.6	101	90 - 110	mg/L	
Magnesium	10	9.75	97.5	90 - 110	mg/L	
Manganese	.5	0.504	101	90 - 110	mg/L	
Sodium	50	52.5	105	90 - 110	mg/L	
Nickel	.5	0.532	106	90 - 110	mg/L	
Lead	.5	0.519	104	90 - 110	mg/L	
Vanadium	1	0.987	98.7	90 - 110	mg/L	
Zinc	1	0.996	99.6	90 - 110	mg/L	

* Exceeds LIMITS Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00093815

Login Number: L0505335 Run Date: 05/19/2005 Sample ID: WG189502-09
Instrument ID: PE-ICP Run Time: 09:53 Method: 6010B
File ID: PE.051905.095314 Analyst: KHR
Workgroup (AAB#): WG189348 Cal ID: PE-ICP - 19-MAY-05

Analyte	Expected	Found	%REC	LIMITS	UNITS	Q
Aluminum	10	9.74	97.4	90 - 110	mg/L	
Silver	.4	0.385	96.1	90 - 110	mg/L	
Arsenic	.4	0.395	98.8	90 - 110	mg/L	
Barium	1	1.02	102	90 - 110	mg/L	
Beryllium	.05	0.0504	101	90 - 110	mg/L	
Calcium	10	9.88	98.8	90 - 110	mg/L	
Cadmium	.05	0.0483	96.6	90 - 110	mg/L	
Cobalt	.2	0.204	102	90 - 110	mg/L	
Chromium	.5	0.516	103	90 - 110	mg/L	
Copper	.5	0.503	101	90 - 110	mg/L	
Iron	4	4.11	103	90 - 110	mg/L	
Potassium	50	49.4	98.9	90 - 110	mg/L	
Magnesium	10	9.80	98.0	90 - 110	mg/L	
Manganese	.5	0.511	102	90 - 110	mg/L	
Sodium	50	51.9	104	90 - 110	mg/L	
Nickel	.5	0.537	107	90 - 110	mg/L	
Lead	.5	0.515	103	90 - 110	mg/L	
Vanadium	1	1.01	101	90 - 110	mg/L	
Zinc	1	1.03	103	90 - 110	mg/L	

* Exceeds LIMITS Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00093816

Login Number: L0505335 Run Date: 05/19/2005 Sample ID: WG189502-11
Instrument ID: PE-ICP Run Time: 10:49 Method: 6010B
File ID: PE.051905.104937 Analyst: KHR
Workgroup (AAB#): WG189348 Cal ID: PE-ICP - 19-MAY-05

Analyte	Expected	Found	%REC	LIMITS	UNITS	Q
Aluminum	10	9.79	97.9	90 - 110	mg/L	
Silver	.4	0.386	96.4	90 - 110	mg/L	
Arsenic	.4	0.399	99.8	90 - 110	mg/L	
Barium	1	1.02	102	90 - 110	mg/L	
Beryllium	.05	0.0506	101	90 - 110	mg/L	
Calcium	10	10.0	100	90 - 110	mg/L	
Cadmium	.05	0.0486	97.2	90 - 110	mg/L	
Cobalt	.2	0.205	102	90 - 110	mg/L	
Chromium	.5	0.518	104	90 - 110	mg/L	
Copper	.5	0.504	101	90 - 110	mg/L	
Iron	4	4.11	103	90 - 110	mg/L	
Potassium	50	50.3	101	90 - 110	mg/L	
Magnesium	10	9.82	98.2	90 - 110	mg/L	
Manganese	.5	0.513	103	90 - 110	mg/L	
Sodium	50	52.7	105	90 - 110	mg/L	
Nickel	.5	0.539	108	90 - 110	mg/L	
Lead	.5	0.521	104	90 - 110	mg/L	
Vanadium	1	1.02	102	90 - 110	mg/L	
Zinc	1	1.03	103	90 - 110	mg/L	

* Exceeds LIMITS Limit

**KEMRON ENVIRONMENTAL SERVICES
INTERFERENCE CHECK SAMPLES**

00093817

Login number: L0505335
Instrument ID: PE-ICP
Sol. A : WG189302-07
Sol. AB : WG189302-08

File ID: PE.051805.104302
File ID: PE.051805.104813

Workgroup (AAB#): WG189348
Method: 6010B
Units: mg/L

ANALYTE	Sol. A			Sol. AB			Q
	True	Found	%Recovery	True	Found	%Recovery	
Aluminum	250	267	107	250	268	107	
Arsenic	NS	0.00578	NS	0.250	0.265	106	
Barium	NS	-0.000860	NS	0.250	0.250	100	
Beryllium	NS	-0.000760	NS	0.250	0.293	117	
Cadmium	NS	-0.000170	NS	0.500	0.527	105	
Calcium	250	278	111	250	277	111	
Chromium	NS	-0.00232	NS	0.250	0.244	97.6	
Cobalt	NS	0.00487	NS	0.250	0.239	95.6	
Copper	NS	-0.00399	NS	0.250	0.275	110	
Iron	100	93.8	93.8	100	93.7	93.7	
Lead	NS	0.00729	NS	0.500	0.494	98.8	
Magnesium	250	265	106	250	266	106	
Manganese	NS	-0.0000500	NS	0.250	0.254	102	
Nickel	NS	-0.00291	NS	0.500	0.466	93.2	
Potassium	NS	-0.185	NS	5.00	5.00	100	
Silver	NS	0.000150	NS	0.500	0.568	114	
Sodium	NS	0.0696	NS	5.00	5.29	106	
Vanadium	NS	-0.00104	NS	0.250	0.250	100	
Zinc	NS	0.00571	NS	0.500	0.449	89.8	

NS = Not spiked

*** = Recovery of spiked element is outside acceptance limit of 80% - 120% of true value.**

= Result for unspiked element is outside the acceptance limits of (+/-) 2x the project reporting limit (RL).

**KEMRON ENVIRONMENTAL SERVICES
INTERFERENCE CHECK SAMPLES**

00093818

Login number: L0505335
Instrument ID: PE-ICP
Sol. A : WG189502-07
Sol. AB : WG189502-08

File ID: PE.051905.094250
File ID: PE.051905.094801

Workgroup (AAB#): WG189348
Method: 6010B
Units: mg/L

ANALYTE	Sol. A			Sol. AB			Q
	True	Found	%Recovery	True	Found	%Recovery	
Aluminum	250	267	107	250	267	107	
Arsenic	NS	0.00301	NS	0.250	0.263	105	
Barium	NS	0.0000500	NS	0.250	0.248	99.2	
Beryllium	NS	-0.000850	NS	0.250	0.291	116	
Cadmium	NS	0.000100	NS	0.500	0.520	104	
Calcium	250	275	110	250	274	110	
Chromium	NS	-0.00285	NS	0.250	0.242	96.8	
Cobalt	NS	0.00487	NS	0.250	0.238	95.2	
Copper	NS	-0.00364	NS	0.250	0.273	109	
Iron	100	93.5	93.5	100	93.6	93.6	
Lead	NS	0.00859	NS	0.500	0.488	97.6	
Magnesium	250	264	106	250	263	105	
Manganese	NS	0.000480	NS	0.250	0.252	101	
Nickel	NS	-0.00347	NS	0.500	0.461	92.2	
Potassium	NS	-0.190	NS	5.00	5.02	100	
Silver	NS	0.000730	NS	0.500	0.565	113	
Sodium	NS	0.0654	NS	5.00	5.25	105	
Vanadium	NS	-0.000730	NS	0.250	0.249	99.6	
Zinc	NS	0.00436	NS	0.500	0.445	89.0	

NS = Not spiked

*** = Recovery of spiked element is outside acceptance limit of 80% - 120% of true value.**

= Result for unspiked element is outside the acceptance limits of (+/-) 2x the project reporting limit (RL).

KEMRON Environmental Services
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

00093819

Login Number: L0505335 _____ **Date:** 03/22/2005 _____
Insturment ID: PE-ICP _____ **Method:** 6010B _____

Analyte	Wave Length	AL	AS	BA	BE	CA
ALUMINUM	237.30	0	0	0	130	0
ANTIMONY	206.80	0.0800	0	0	0	0
ARSENIC	189.00	-0.0170	0	0	0	0
BARIUM	230.40	0.00200	0	0	0	0
BERYLLIUM	234.90	0.00195	0	0	0	0
CADMIUM	228.80	0	4.90	0	0	0
CALCIUM	227.50	0.866	0	0	0	0
CHROMIUM	267.70	0	0	0	0	0
COBALT	228.60	0	0	-1.20	0	-0.000500
COPPER	327.40	0.00920	0	0	0	0
IRON	261.40	0.0200	0	0	0	0
LEAD	220.40	-0.104	0	0	0	0
MAGNESIUM	279.10	-0.0100	0	0	0	0.105
MANGANESE	257.60	-0.0528	0	0	0	0.000400
MOLYBDENUM	202.00	0.00260	0	0	0	0
NICKEL	231.60	0	0	0	0	0
POTASSIUM	766.50	0	0	0	0	0
SELENIUM	196.00	0.0180	0	0	0	0
SILICON	288.20	-0.350	0	0	0	-0.500
SILVER	328.10	0	0	0	0	0
SODIUM	589.60	0	0	0	0	0
STRONTIUM	407.80	-0.210	0	0	0	-0.100
THALLIUM	190.80	0	0	0	0	0
TIN	189.90	0.0800	0	0	0	-0.0100
TITANIUM	337.30	0	0	0	0	-0.00160
VANADIUM	292.40	0.00100	0	0	0	0
ZINC	206.20	0	0	0	0	0

KEMRON Environmental Services
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

00093820

Login Number: L0505335 **Date:** 03/22/2005
Insturment ID: PE-ICP **Method:** 6010B

Analyte	Wave Length	CD	CO	CR	CU	FE
ALUMINUM	237.30	0	-5.40	0	0	5.80
ANTIMONY	206.80	0	0	19.0	0	0.100
ARSENIC	189.00	0	0	-4.12	0	-0.120
BARIUM	230.40	0	0.644	0	0	-0.0200
BERYLLIUM	234.90	0	0	0	0	0.0800
CADMIUM	228.80	0	-3.96	0.140	0	-0.00100
CALCIUM	227.50	0	232	0	0	10.8
CHROMIUM	267.70	0	0	0	0	-0.121
COBALT	228.60	0	0	0.0750	0	-0.00500
COPPER	327.40	0	0	0	0	0
IRON	261.40	-0.0240	-119	-7.90	0	0
LEAD	220.40	0	0	-0.568	0	0.180
MAGNESIUM	279.10	0	0	0	0	0
MANGANESE	257.60	0	0	0.580	0	0.00600
MOLYBDENUM	202.00	0	0	0	0	0
NICKEL	231.60	0	0	-0.0800	0	-0.0130
POTASSIUM	766.50	0	0	0	0	0
SELENIUM	196.00	0	0	0	0	0.250
SILICON	288.20	0	0	0	0	0
SILVER	328.10	0	0	0	0	0
SODIUM	589.60	0	0	0	0	2.00
STRONTIUM	407.80	0	0	0	0	-4.70
THALLIUM	190.80	0	0	0	0	-0.200
TIN	189.90	0	0	0	0	0
TITANIUM	337.30	0	0	0	0	-0.0400
VANADIUM	292.40	0	0	-3.78	0	0.0180
ZINC	206.20	0	0	-3.50	0	-0.0733

KEMRON Environmental Services
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

00093821

Login Number: L0505335 **Date:** 03/22/2005
Insturment ID: PE-ICP **Method:** 6010B

Analyte	Wave Length	MG	MN	MO	NI	PB
ALUMINUM	237.30	-0.340	0	0	0	0
ANTIMONY	206.80	0	0.370	3.67	-3.00	0
ARSENIC	189.00	0	-0.00250	5.00	0	0
BARIUM	230.40	0	0	3.30	0	0
BERYLLIUM	234.90	0	0	-0.120	0	0
CADMIUM	228.80	0.000800	0	0	0	0
CALCIUM	227.50	0	0	0	-8.00	0
CHROMIUM	267.70	-0.0201	0	0	0	0
COBALT	228.60	-0.000500	0	-0.920	0	0
COPPER	327.40	0	0	0	0	0
IRON	261.40	-0.100	-5.00	0	0	-5.55
LEAD	220.40	0	0	-1.30	0	0
MAGNESIUM	279.10	0	0	45.0	0	0
MANGANESE	257.60	0.0100	0	0.0900	0	0
MOLYBDENUM	202.00	0	0	0	0	0
NICKEL	231.60	0	0	0	0	0
POTASSIUM	766.50	1.70	0	0	0	0
SELENIUM	196.00	0	0	0	0.960	0
SILICON	288.20	0	0	0	0	0
SILVER	328.10	0	0	0	0	0
SODIUM	589.60	0	0	0	0	0
STRONTIUM	407.80	-0.360	0	165	0	0
THALLIUM	190.80	0	-6.90	0	0	0
TIN	189.90	0	0	0	0	0
TITANIUM	337.30	0	0	4.34	0	0
VANADIUM	292.40	0	0	-0.900	0	0
ZINC	206.20	0.0500	0	0	0	0

KEMRON Environmental Services
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

00093822

Login Number: L0505335 **Date:** 03/22/2005
Insturment ID: PE-ICP **Method:** 6010B

Analyte	Wave Length	TI	TL	V
ALUMINUM	237.30	4.50	0	0
ANTIMONY	206.80	-1.58	0	-2.10
ARSENIC	189.00	2.30	0	0.100
BARIUM	230.40	-1.00	0	0
BERYLLIUM	234.90	-0.00100	0	0
CADMIUM	228.80	0.300	0	0.190
CALCIUM	227.50	4.50	0	60.0
CHROMIUM	267.70	0	0	0
COBALT	228.60	2.30	0	-0.0700
COPPER	327.40	-0.800	0	0
IRON	261.40	0	0	-9.66
LEAD	220.40	-0.710	-0.200	-0.200
MAGNESIUM	279.10	-7.60	0	4.60
MANGANESE	257.60	0.0700	0	-0.0200
MOLYBDENUM	202.00	0	0	0
NICKEL	231.60	-0.160	0	-0.0700
POTASSIUM	766.50	0	0	0
SELENIUM	196.00	-0.200	0	0.940
SILICON	288.20	0	0	0
SILVER	328.10	0	0	0
SODIUM	589.60	0	0	0
STRONTIUM	407.80	0	0	0
THALLIUM	190.80	-4.00	0	-6.83
TIN	189.90	-6.00	0	0
TITANIUM	337.30	0	0	0
VANADIUM	292.40	0.500	0	0
ZINC	206.20	2.20	0	3.50

Login Number: L0505335
Instrument ID: PE-ICP

Date: 03/09/2005
Method: 6010B

Analyte	Integration Time (Sec.)	Concentration (mg/L)
Aluminum	10.00	500.0
Antimony	10.00	6.0
Arsenic	10.00	2.0
Barium	10.00	10.0
Beryllium	10.00	1.0
Cadmium	10.00	1.0
Calcium	10.00	500.0
Chromium	10.00	10.0
Cobalt	10.00	10.0
Copper	10.00	10.0
Iron	10.00	50.0
Lead	10.00	100.0
Magnesium	10.00	500.0
Manganese	10.00	5.0
Molybdenum	10.00	10.0
Nickel	10.00	10.0
Potassium	10.00	250.0
Selenium	10.00	1.0
Silicon	10.00	10.0
Silver	10.00	2.0
Sodium	10.00	250.0
Strontium	10.00	5.0
Thallium	10.00	1.0
Tin	10.00	1.0
Titanium	10.00	5.0
Vanadium	10.00	10.0
Zinc	10.00	10.0

Comments:

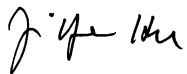
KEMRON Environmental Services
Data Checklist

Date: May 19, 2005
Analyst: JI Y. HU
Method: 6020A
Instrument: ELAN-ICP
Curve Workgroup: 189388
Analytical Workgroups: 189354,189355,189270,189269

Run Log ID:	5034
Calibration/Linearity	✓
ICV/CCV	✓
ICB/CCB	✓
ICSA/ICSAB	✓
CRI	
Blank/LCS	✓
MS/MSD	✓
Post Spike/Serial Dilution	✓
Upload Results	✓
Data Qualifiers	
Generate PDF Instrument Data	✓
Sign/Annotate PDF Data	✓
Upload Curve Data	
Workgroup Forms	✓
Case Narrative	✓
Client Forms	
Level X	303
Level 3	323,334,324,335
Level 4	275
Check for compliance with method and project specific requirements	✓
Check the completeness of reported information	✓
Check the information for the report narrative	✓
Primary Reviewer	JYH
Secondary Reviewer	MMB

Comments

Approved By:

Primary: May 19, 2005	Secondary: May 20, 2005
	

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00093825

Analytical Method: 6020
Login Number: L0505335

AAB#: WG189354

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
051305-ER	05/13/05	05/17/05	05/18/05	180	4.63	05/19/05	180	1.14	

* EXT = SEE PROJECT QAPP REQUIREMENTS

* ANAL = SEE PROJECT QAPP REQUIREMENTS

Login Number: L0505335
Blank File ID: EL.051905.084900
Date Analyzed: 05/19/05
Time Analyzed: 08:49
Analyst: JYH

Work Group: WG189354
Blank Sample ID: WG189299-02
Instrument ID: ELAN-ICP
Method: 6020

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG189299-03	EL.051905.085422	05/19/05 08:54	DL01
051305-ER	L0505335-01	EL.051905.112033	05/19/05 11:20	01

Login Number: L0505335 Run Date: 05/19/2005 Sample ID: WG189299-02
Instrument ID: ELAN-ICP Run Time: 08:49 Prep Method: 3015
File ID: EL_051905.084900 Analyst: JYH Method: 6020
Workgroup (AAB#): WG189354 Matrix: Water Units: mg/L
Contract #: DACA56-94-D-0020 Cal ID: ELAN-I - 19-MAY-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Antimony	0.000500	0.00100	0.000500	1	U
Selenium	0.000500	0.00100	0.000500	1	U
Thallium	0.000100	0.000200	0.000100	1	U

Login Number: L0505335 Run Date: 05/19/2005 Sample ID: WG189299-03
Instrument ID: ELAN-ICP Run Time: 08:54 Prep Method: 3015
File ID: EL_051905.085422 Analyst: JYH Method: 6020
Workgroup (AAB#): WG189354 Matrix: Water Units: mg/L
Contract #: DACA56-94-D-0020 Cal ID: ELAN-I - 19-MAY-2005 08:06

Analytes	Expected	Found	% Rec	LCS Limits	Q
Antimony	0.125	0.105	84.0	80 - 120	
Selenium	0.125	0.106	84.5	80 - 120	
Thallium	0.125	0.105	83.6	80 - 120	

Loginnum: L0505335 Cal ID: ELAN-ICP - 19-MAY-2005 08:06 Worknum: WG189354
 Instrument ID: ELAN-ICP Contract #: DACA56-94-D-0020 Method: 6020
 Parent ID: WG189299-01 File ID: EL.051905.085943 Dil: 1 Matrix: WATER
 Sample ID: WG189299-04 MS File ID: EL.051905.090505 Dil: 1 Units: mg/L
 Sample ID: WG189299-05 MSD File ID: EL.051905.091027 Dil: 1

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Antimony, Dissolved	0.000524	0.125	0.140	111	0.125	0.146	116	4.27	75 - 125	20	
Selenium, Dissolved	0.000615	0.125	0.143	114	0.125	0.141	113	1.21	75 - 125	20	
Thallium, Dissolved	0.000103	0.125	0.134	107	0.125	0.137	109	2.33	75 - 125	20	

* FAILS %REC LIMIT

FAILS RPD LIMIT

KEMRON ENVIRONMENTAL SERVICES
SERIAL DILUTION REPORT

00093830

Sample Login ID:L0505335

Instrument ID:ELAN-ICP

Sample ID:L0505323-06 File ID:EL.051905.091550 Dil:1

Serial Dilution ID:WG189354-02 File ID:EL.051905.092636 Dil:5

Worknum:WG189354

Method:6020

Units:ug/L

Analyte	Sample	C	Serial Dilution	C	% Difference	Q
Antimony	0.140	U	0.550	U	293	
Selenium	0.136	U	ND	U		
Thallium	0.0454	F	0.141	U	211	

U = Result is below MDL

F = Result is between MDL and RL

X = Result is greater than RL and less than 100 times the MDL

E = %D exceeds control limit of 10% and initial

sample result is greater than or equal to 100 times the MDL

KEMRON ENVIRONMENTAL SERVICES
POST SPIKE REPORT

00093831

Sample Login ID: L0505335

Worknum: WG189354

Instrument ID: ELAN-ICP

Method: 6020

Post Spike ID: WG189354-01 File ID: EL.051905.092113 Dil: 1

Units: ug/L

Sample ID: L0505323-06 File ID: EL.051905.091550 Dil: 1

Matrix: Water

Analyte	Control Limit %R	Post Spike Result	C	Sample Result	C	Spike Added (SA)	% R	Q
Antimony	75 - 125	43.5		0	U	50.0	87.0	
Selenium	75 - 125	41.7		0	U	50.0	83.4	
Thallium	75 - 125	43.1		0.0454	F	50.0	86.1	

N = % Recovery exceeds control limits of 75% - 125%

F = Result is between MDL and RL

U = Sample result is below MDL. A value of zero is used in the calculation.

Login Number:L0505335

Workgroup (AAB#):WG189354

Analytical Method:6020

Instrument ID:ELAN-ICP

ICAL Worknum:WG189388

Initial Calibration Date:19-MAY-2005 08:06:22

Analyte	WG189388-01		WG189388-02		WG189388-03		WG189388-04		R	Q
	STD	INT	STD	INT	STD	INT	STD	INT		
Antimony	0	42.033	.5	2356.334	50	249058.727	100	501316.599	0.999884	
Selenium	0	13.641	.5	79.843	50	7432.945	100	15423.97	0.999588	
Thallium	0	53.334	.5	2563.354	50	265490.811	100	523709.501	0.999975	

INT = Instrument intensity

R = Coefficient of correlation

Q = Data Qualifier

* = Out of Compliance; R < 0.995

KEMRON Environmental Services
INITIAL CALIBRATION BLANK REPORT

00093833

Login Number: L0505335 Run Date: 05/19/2005 Sample ID: WG189388-06
Instrument ID: ELAN-ICP Run Time: 08:15 Method: 6020
File ID: EL.051905.081538 Analyst: JYH Units: ug/L
Workgroup (AAB#): WG189354 Cal ID: ELAN-I - 19-MAY-05

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Antimony	0.200	0.400	.169	1	U
Selenium	0.200	0.400	-.107	1	U
Thallium	0.0400	0.0800	.0305	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON Environmental Services
CONTINUING CALIBRATION BLANK REPORT

00093834

Login Number: L0505335 Run Date: 05/19/2005 Sample ID: WG189388-11
Instrument ID: ELAN-ICP Run Time: 08:43 Method: 6020
File ID: EL.051905.084330 Analyst: JYH Units: ug/L
Workgroup (AAB#): WG189354 Cal ID: ELAN-I - 19-MAY-05

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Antimony	0.200	0.400	.155	1	U
Selenium	0.200	0.400	.0348	1	U
Thallium	0.0400	0.0800	.0331	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON Environmental Services
CONTINUING CALIBRATION BLANK REPORT

00093835

Login Number: L0505335 Run Date: 05/19/2005 Sample ID: WG189388-13
Instrument ID: ELAN-ICP Run Time: 09:48 Method: 6020
File ID: EL.051905.094822 Analyst: JYH Units: ug/L
Workgroup (AAB#): WG189354 Cal ID: ELAN-I - 19-MAY-05

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Antimony	0.200	0.400	.155	1	U
Selenium	0.200	0.400	.048	1	U
Thallium	0.0400	0.0800	.0255	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON Environmental Services
CONTINUING CALIBRATION BLANK REPORT

00093836

Login Number: L0505335 Run Date: 05/19/2005 Sample ID: WG189388-15
Instrument ID: ELAN-ICP Run Time: 10:53 Method: 6020
File ID: EL.051905.105319 Analyst: JYH Units: ug/L
Workgroup (AAB#): WG189354 Cal ID: ELAN-I - 19-MAY-05

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Antimony	0.200	0.400	.167	1	U
Selenium	0.200	0.400	.0305	1	U
Thallium	0.0400	0.0800	.0235	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON Environmental Services
CONTINUING CALIBRATION BLANK REPORT

00093837

Login Number: L0505335 Run Date: 05/19/2005 Sample ID: WG189388-17
Instrument ID: ELAN-ICP Run Time: 11:58 Method: 6020
File ID: EL.051905.115824 Analyst: JYH Units: ug/L
Workgroup (AAB#): WG189354 Cal ID: ELAN-I - 19-MAY-05

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Antimony	0.200	0.400	.186	1	U
Selenium	0.200	0.400	.11	1	U
Thallium	0.0400	0.0800	.0357	1	U

U = Result is less than MDL
F = Result is between MDL and RL

Login Number: L0505335 Run Date: 05/19/2005 Sample ID: WG189388-05
Instrument ID: ELAN-ICP Run Time: 08:10 Method: 6020
File ID: EL.051905.081005 Analyst: JYH Units: ug/L
Workgroup (AAB#): WG189354 Cal ID: ELAN-I - 19-MAY-05

Analyte		Expected	Found	%REC	LIMITS	Q
Antimony		50	49.1	98.2	90 - 110	
Selenium		50	49.2	98.5	90 - 110	
Thallium		50	50.5	101	90 - 110	

* Exceeds LIMITS Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00093839

Login Number: L0505335 Run Date: 05/19/2005 Sample ID: WG189388-10
Instrument ID: ELAN-ICP Run Time: 08:37 Method: 6020
File ID: EL.051905.083757 Analyst: JYH
Workgroup (AAB#): WG189354 Cal ID: ELAN-I - 19-MAY-05

Analyte		Expected	Found	%REC	LIMITS	UNITS	Q
Antimony		50	49.0	98.1	90 - 110	ug/L	
Selenium		50	49.5	99.0	90 - 110	ug/L	
Thallium		50	49.1	98.2	90 - 110	ug/L	

* Exceeds LIMITS Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00093840

Login Number: L0505335 Run Date: 05/19/2005 Sample ID: WG189388-12
Instrument ID: ELAN-ICP Run Time: 09:42 Method: 6020
File ID: EL.051905.094248 Analyst: JYH
Workgroup (AAB#): WG189354 Cal ID: ELAN-I - 19-MAY-05

Analyte		Expected	Found	%REC	LIMITS	UNITS	Q
Antimony		50	47.5	94.9	90 - 110	ug/L	
Selenium		50	48.6	97.2	90 - 110	ug/L	
Thallium		50	48.7	97.4	90 - 110	ug/L	

* Exceeds LIMITS Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00093841

Login Number: L0505335 Run Date: 05/19/2005 Sample ID: WG189388-14
Instrument ID: ELAN-ICP Run Time: 10:47 Method: 6020
File ID: EL.051905.104747 Analyst: JYH
Workgroup (AAB#): WG189354 Cal ID: ELAN-I - 19-MAY-05

Analyte		Expected	Found	%REC	LIMITS	UNITS	Q
Antimony		50	48.7	97.4	90 - 110	ug/L	
Selenium		50	50.4	101	90 - 110	ug/L	
Thallium		50	48.3	96.7	90 - 110	ug/L	

* Exceeds LIMITS Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00093842

Login Number: L0505335 Run Date: 05/19/2005 Sample ID: WG189388-16
Instrument ID: ELAN-ICP Run Time: 11:52 Method: 6020
File ID: EL.051905.115252 Analyst: JYH
Workgroup (AAB#): WG189354 Cal ID: ELAN-I - 19-MAY-05

Analyte		Expected	Found	%REC	LIMITS	UNITS	Q
Antimony		50	46.9	93.8	90 - 110	ug/L	
Selenium		50	50.0	100	90 - 110	ug/L	
Thallium		50	48.5	97.0	90 - 110	ug/L	

* Exceeds LIMITS Limit

KEMRON ENVIRONMENTAL SERVICES
INTERFERENCE CHECK SAMPLES

00093843

Login number: L0505335
Instrument ID: ELAN-ICP
Sol. A : WG189388-08
Sol. AB : WG189388-09

File ID: EL_051905.082648
File ID: EL_051905.083222

Workgroup (AAB#): WG189354
Method: 6020
Units: ug/L

ANALYTE	Sol. A			Sol. AB			Q
	True	Found	%Recovery	True	Found	%Recovery	
Antimony	NS	0.0906	NS	100	91.1	91.1	
Selenium	NS	0.0568	NS	100	89.4	89.4	
Thallium	NS	0.0271	NS	100	87.4	87.4	

NS = Not spiked

* = Recovery of spiked element is outside acceptance limit of 80% - 120% of true value.

= Result for unspiked element is outside the acceptance limits of (+/-) 2x the project reporting limit (RL).

Login Number: L0505335 Date: 03/07/2005
Insturment ID: ELAN-ICP Method: 6020

Analyte	Integration Time (Sec.)	Concentration (ug/L)
Antimony	1.00	100.0
Arsenic	1.00	100.0
Lead	1.00	100.0
Selenium	1.00	100.0
Silver	1.00	100.0
Thallium	1.00	100.0

Comments:

KEMRON Environmental Services
Data Checklist

Date: May 19, 2005
 Analyst: CARLA R. COCHRAN
 Method: 7471A
 Instrument: HYDRA
 Curve Workgroup: 189420
 Analytical Workgroups: 189386,189387

Run Log ID:	5043
Calibration/Linearity	✓
ICV/CCV	✓
ICB/CCB	✓
ICSA/ICSAB	
CRI	
Blank/LCS	✓
MS/MSD	✓
Post Spike/Serial Dilution	✓
Upload Results	✓
Data Qualifiers	
Generate PDF Instrument Data	✓
Sign/Annotate PDF Data	✓
Upload Curve Data	
Workgroup Forms	
Case Narrative	05-275,300,304,309,310,311,323,324,334,335
Client Forms	✓
Level X	
Level 3	05-323,324,334,335
Level 4	05-275,300
Check for compliance with method and project specific requirements	✓
Check the completeness of reported information	✓
Check the information for the report narrative	✓
Primary Reviewer	CRC
Secondary Reviewer	MMB

Approved By:

Primary: May 19, 2005	Secondary: May 20, 2005
<i>Carla R. Cochran</i>	<i>Maren Berry</i>

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00093846

Analytical Method: 7470A
Login Number: L0505335

AAB#: WG189387

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
051305-ER	05/13/05	05/17/05	05/18/05	28	4.66	05/19/05	28	1.23	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

Login Number: L0505335
Blank File ID: HY.051905.131252
Date Analyzed: 05/19/05
Time Analyzed: 13:12
Analyst: CRC

Work Group: WG189387
Blank Sample ID: WG189295-02
Instrument ID: HYDRA
Method: 7470A

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG189295-03	HY.051905.131449	05/19/05 13:14	01
051305-ER	L0505335-01	HY.051905.141644	05/19/05 14:16	01

Login Number: L0505335 Run Date: 05/19/2005 Sample ID: WG189295-02
Instrument ID: HYDRA Run Time: 13:12 Prep Method: METHOD
File ID: HY.051905.131252 Analyst: CRC Method: 7470A
Workgroup (AAB#): WG189387 Matrix: Water Units: mg/L
Contract #: DACA56-94-D-0020 Cal ID: HYDRA - 19-MAY-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.000100	0.000200	0.000100	1	U

Login Number: L0505335 Run Date: 05/19/2005 Sample ID: WG189295-03
Instrument ID: HYDRA Run Time: 13:14 Prep Method: METHOD
File ID: HY.051905.131449 Analyst: CRC Method: 7470A
Workgroup (AAB#): WG189387 Matrix: Water Units: mg/L
Contract #: DACA56-94-D-0020 Cal ID: HYDRA-19-MAY-2005

Analytes	Expected	Found	% Rec	LCS Limits	Q
Mercury	0.00400	0.00455	114	80 - 120	

Loginnum: L0505335 Cal ID: HYDRA-19-MAY-2005 Worknum: WG189387
Instrument ID: HYDRA Contract #: DACA56-94-D-0020 Method: 7470A
Parent ID: WG189295-01 File ID: HY.051905.132853 Dil: 1 Matrix: WATER
Sample ID: WG189295-04 MS File ID: HY.051905.133044 Dil: 1 Units: mg/L
Sample ID: WG189295-05 MSD File ID: HY.051905.133236 Dil: 1

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Mercury	ND	0.00444	0.00538	121	0.00444	0.00530	119	1.46	75 - 125	15	

* FAILS %REC LIMIT

FAILS RPD LIMIT

KEMRON ENVIRONMENTAL SERVICES
POST SPIKE REPORT

00093851

Sample Login ID:L0505335

Worknum: WG189387

Instrument ID:HYDRA

Method:7470A

Post Spike ID:WG189387-01 File ID:HY.051905.131939 Dil:1

Units:ug/L

Sample ID:L0505323-06 File ID:HY.051905.131640 Dil:1

Matrix:Water

Analyte	Control Limit %R	Post Spike Result	C	Sample Result	C	Spike Added (SA)	% R	Q
Mercury	85 - 115	0.972		ND	U	1.0	97.2	

N = % Recovery exceeds control limits of 85% - 115%

F = Result is between MDL and RL

U = Sample result is below MDL. A value of zero is used in the calculation.

Login Number: L0505335Instrument ID: HYDRAAnalytical Method: 7470AInitial Calibration Date: 05/19/2005 12:02

Analyte	WG189420-01		WG189420-02		WG189420-03		WG189420-04		WG189420-05		WG189420-06		R	Q
	STD	INT	STD	INT	STD	INT	STD	INT	STD	INT	STD	INT		
Mercury	0	10634	0.200	30268	1.00	75930	2.00	134290	5.00	335130	10.0	631458	0.9997	

INT = Instrument intensity

R = Coefficient of correlation

Q = Data Qualifier

* = Out of Compliance; R < 0.995

KEMRON Environmental Services
INITIAL CALIBRATION BLANK REPORT

00093853

Login Number: L0505335 Run Date: 05/19/2005 Sample ID: WG189420-08
Instrument ID: HYDRA Run Time: 12:06 Method: 7470A
File ID: HY.051905.120641 Analvst: CRC Units: ug/L
Workgroup (AAB#): WG189387 Cal ID: HYDRA - 19-MAY-05

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Mercury	0.100	0.200	-.08	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON Environmental Services
CONTINUING CALIBRATION BLANK REPORT

00093854

Login Number: L0505335 Run Date: 05/19/2005 Sample ID: WG189420-14
Instrument ID: HYDRA Run Time: 13:01 Method: 7470A
File ID: HY.051905.130114 Analyst: CRC Units: ug/L
Workgroup (AAB#): WG189387 Cal ID: HYDRA - 19-MAY-05

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Mercury	0.100	0.200	-.177	1	F

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON Environmental Services
CONTINUING CALIBRATION BLANK REPORT

00093855

Login Number: L0505335 Run Date: 05/19/2005 Sample ID: WG189420-16
Instrument ID: HYDRA Run Time: 13:25 Method: 7470A
File ID: HY.051905.132501 Analyst: CRC Units: ug/L
Workgroup (AAB#): WG189387 Cal ID: HYDRA - 19-MAY-05

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Mercury	0.100	0.200	-.081	1	U

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON Environmental Services
CONTINUING CALIBRATION BLANK REPORT

00093856

Login Number: L0505335 Run Date: 05/19/2005 Sample ID: WG189420-18
Instrument ID: HYDRA Run Time: 13:49 Method: 7470A
File ID: HY.051905.134930 Analyst: CRC Units: ug/L
Workgroup (AAB#): WG189387 Cal ID: HYDRA - 19-MAY-05

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Mercury	0.100	0.200	-.194	1	F

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON Environmental Services
CONTINUING CALIBRATION BLANK REPORT

00093857

Login Number: L0505335 Run Date: 05/19/2005 Sample ID: WG189420-20
Instrument ID: HYDRA Run Time: 14:01 Method: 7470A
File ID: HY.051905.140104 Analyst: CRC Units: ug/L
Workgroup (AAB#): WG189387 Cal ID: HYDRA - 19-MAY-05

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Mercury	0.100	0.200	-.12	1	F

U = Result is less than MDL
F = Result is between MDL and RL

KEMRON Environmental Services
CONTINUING CALIBRATION BLANK REPORT

00093858

Login Number: L0505335 Run Date: 05/19/2005 Sample ID: WG189420-22
Instrument ID: HYDRA Run Time: 14:21 Method: 7470A
File ID: HY.051905.142154 Analyst: CRC Units: ug/L
Workgroup (AAB#): WG189387 Cal ID: HYDRA - 19-MAY-05

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Mercury	0.100	0.200	-.153	1	F

U = Result is less than MDL
F = Result is between MDL and RL

Login Number: L0505335 Run Date: 05/19/2005 Sample ID: WG189420-07
Instrument ID: HYDRA Run Time: 12:05 Method: 7470A
File ID: HY.051905.120501 Analyst: CRC Units: ug/L
Workgroup (AAB#): WG189387 Cal ID: HYDRA - 19-MAY-05

Analyte	Expected	Found	%REC	LIMITS	Q
Mercury	2	2.08	104	90 - 110	

* Exceeds LIMITS Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00093860

Login Number: L0505335 Run Date: 05/19/2005 Sample ID: WG189420-13
Instrument ID: HYDRA Run Time: 12:59 Method: 7470A
File ID: HY.051905.125932 Analvst: CRC
Workgroup (AAB#): WG189387 Cal ID: HYDRA - 19-MAY-05

Analyte	Expected	Found	%REC	LIMITS	UNITS	Q
Mercury	2	1.84	92.0	80 - 120	ug/L	

* Exceeds LIMITS Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00093861

Login Number: L0505335 Run Date: 05/19/2005 Sample ID: WG189420-15
Instrument ID: HYDRA Run Time: 13:23 Method: 7470A
File ID: HY.051905.132319 Analvst: CRC
Workgroup (AAB#): WG189387 Cal ID: HYDRA - 19-MAY-05

Analyte		Expected	Found	%REC	LIMITS	UNITS	Q
Mercury		2	1.82	91.0	80 - 120	ug/L	

* Exceeds LIMITS Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00093862

Login Number: L0505335 Run Date: 05/19/2005 Sample ID: WG189420-17
Instrument ID: HYDRA Run Time: 13:47 Method: 7470A
File ID: HY.051905.134717 Analvst: CRC
Workgroup (AAB#): WG189387 Cal ID: HYDRA - 19-MAY-05

Analyte	Expected	Found	%REC	LIMITS	UNITS	Q
Mercury	2	1.87	93.5	80 - 120	ug/L	

* Exceeds LIMITS Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00093863

Login Number: L0505335 Run Date: 05/19/2005 Sample ID: WG189420-19
Instrument ID: HYDRA Run Time: 13:59 Method: 7470A
File ID: HY.051905.135923 Analvst: CRC
Workgroup (AAB#): WG189387 Cal ID: HYDRA - 19-MAY-05

Analyte	Expected	Found	%REC	LIMITS	UNITS	Q
Mercury	2	1.89	94.5	80 - 120	ug/L	

* Exceeds LIMITS Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00093864

Login Number: L0505335 Run Date: 05/19/2005 Sample ID: WG189420-21
Instrument ID: HYDRA Run Time: 14:20 Method: 7470A
File ID: HY.051905.142017 Analvst: CRC
Workgroup (AAB#): WG189387 Cal ID: HYDRA - 19-MAY-05

Analyte	Expected	Found	%REC	LIMITS	UNITS	Q
Mercury	2	1.96	98.0	80 - 120	ug/L	

* Exceeds LIMITS Limit

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00093865

Analytical Method: 314.0
Login Number: L0505335

AAB#: WG189410

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
051405-ER	05/14/05	05/17/05	05/17/05	28	3.51	05/17/05	28	3.51	
29WW01-MAY05	05/13/05	05/17/05	05/17/05	28	4.21	05/17/05	28	4.21	
29WW02-MAY05	05/14/05	05/17/05	05/17/05	28	3.32	05/17/05	28	3.32	
29WW07-MAY05	05/14/05	05/17/05	05/17/05	28	3.42	05/17/05	28	3.42	
29WW08-MAY05	05/14/05	05/17/05	05/17/05	28	3.52	05/17/05	28	3.52	
29WW114-MAY05	05/14/05	05/17/05	05/17/05	28	3.46	05/17/05	28	3.46	
29WW116-MAY05	05/14/05	05/17/05	05/17/05	28	3.37	05/17/05	28	3.37	
29WW117-MAY05	05/14/05	05/17/05	05/17/05	28	3.60	05/17/05	28	3.60	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00093866

Analytical Method: 314.0
 Login Number: L0505335

AAB#: WG189532

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
29WW06-MAY05	05/15/05	05/17/05	05/18/05	28	3.45	05/18/05	28	3.45	
29WW116-MAY05	05/14/05	05/17/05	05/18/05	28	4.31	05/18/05	28	4.31	
29WW118-MAY05	05/15/05	05/17/05	05/18/05	28	3.26	05/18/05	28	3.26	
29WW118-MAY05-MS	05/15/05	05/17/05	05/18/05	28	3.29	05/18/05	28	3.29	
29WW118-MAY05-MSD	05/15/05	05/17/05	05/18/05	28	3.30	05/18/05	28	3.30	
29WW12-MAY05	05/15/05	05/17/05	05/18/05	28	3.52	05/18/05	28	3.52	
29WW13-MAY05	05/15/05	05/17/05	05/18/05	28	3.33	05/18/05	28	3.33	
29WW14-MAY05	05/14/05	05/17/05	05/18/05	28	4.01	05/18/05	28	4.01	
29WW18-MAY05	05/14/05	05/17/05	05/18/05	28	4.15	05/18/05	28	4.15	
29WW25-MAY05	05/14/05	05/17/05	05/18/05	28	4.56	05/18/05	28	4.56	
29WW27-MAY05	05/14/05	05/17/05	05/18/05	28	4.07	05/18/05	28	4.07	
29WW28-MAY05	05/15/05	05/17/05	05/18/05	28	3.36	05/18/05	28	3.36	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00093867

Analytical Method: 314.0
Login Number: L0505335

AAB#: WG189544

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
29WW11-MAY05	05/14/05	05/17/05	05/20/05	28	6.46	05/20/05	28	6.46	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

Login Number: L0505335
Blank File ID: I1051705.12
Date Analyzed: 05/17/05
Time Analyzed: 15:36
Analyst: JWR

Work Group: WG189410
Blank Sample ID: WG189410-01
Instrument ID: IC1
Method: 314.0

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG189410-02	I1051705.14	05/17/05 16:16	01
DUP	WG189410-04	I1051705.25	05/17/05 20:01	01
051405-ER	L0505335-02	I1051705.28	05/17/05 21:02	01
29WW01-MAY05	L0505335-03	I1051705.29	05/17/05 21:23	DL01
29WW02-MAY05	L0505335-04	I1051705.30	05/17/05 21:43	DL01
29WW07-MAY05	L0505335-06	I1051705.31	05/17/05 22:03	DL01
29WW08-MAY05	L0505335-07	I1051705.32	05/17/05 22:24	01
29WW116-MAY05	L0505335-10	I1051705.33	05/17/05 22:44	DL01
29WW114-MAY05	L0505335-09	I1051705.34	05/17/05 23:05	DL01
29WW117-MAY05	L0505335-11	I1051705.36	05/17/05 23:45	DL01

Login Number: L0505335
Blank File ID: I1051805.12
Date Analyzed: 05/18/05
Time Analyzed: 14:35
Analyst: JWR

Work Group: WG189532
Blank Sample ID: WG189532-01
Instrument ID: IC1
Method: 314.0

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG189532-02	I1051805.14	05/18/05 15:15	01
29WW118-MAY05	L0505335-12	I1051805.15	05/18/05 15:36	DL01
DUP	WG189532-04	I1051805.16	05/18/05 15:56	DL01
29WW118-MAY05-MS	L0505335-13	I1051805.17	05/18/05 16:17	DL01
29WW118-MAY05-MSD	L0505335-14	I1051805.18	05/18/05 16:37	DL01
29WW13-MAY05	L0505335-16	I1051805.19	05/18/05 16:58	01
29WW14-MAY05	L0505335-17	I1051805.20	05/18/05 17:18	01
29WW18-MAY05	L0505335-18	I1051805.21	05/18/05 17:38	DL01
29WW27-MAY05	L0505335-20	I1051805.22	05/18/05 17:59	DL01
29WW28-MAY05	L0505335-21	I1051805.23	05/18/05 18:19	01
29WW116-MAY05	L0505335-10	I1051805.32	05/18/05 21:23	DL02
29WW12-MAY05	L0505335-15	I1051805.33	05/18/05 21:43	DL01
29WW06-MAY05	L0505335-05	I1051805.36	05/18/05 22:44	DL01
29WW25-MAY05	L0505335-19	I1051805.38	05/18/05 23:25	DL01

Login Number: L0505335
Blank File ID: I1052005.12
Date Analyzed: 05/20/05
Time Analyzed: 16:05
Analyst: JWR

Work Group: WG189544
Blank Sample ID: WG189544-01
Instrument ID: IC1
Method: 314.0

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG189544-02	I1052005.14	05/20/05 16:45	01
DUP	WG189544-04	I1052005.23	05/20/05 19:49	DL01
29WW11-MAY05	L0505335-08	I1052005.29	05/20/05 21:52	DL01

Login Number: L0505335 Run Date: 05/17/2005 Sample ID: WG189410-01
Instrument ID: IC1 Run Time: 15:36 Prep Method: 314.0
File ID: I1051705.12 Analyst: JWR Method: 314.0
Workgroup (AAB#): WG189410 Matrix: Water Units: ug/L
Contract #: DACA56-94-D-0020 Cal ID: IC1-

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Perchlorate	0.500	1.00	0.500	1	U

Login Number: L0505335 Run Date: 05/18/2005 Sample ID: WG189532-01
Instrument ID: IC1 Run Time: 14:35 Prep Method: 314.0
File ID: I1051805.12 Analyst: JWR Method: 314.0
Workgroup (AAB#): WG189532 Matrix: Water Units: ug/L
Contract #: DACA56-94-D-0020 Cal ID: IC1-

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Perchlorate	0.500	1.00	0.500	1	U

Login Number: L0505335 Run Date: 05/20/2005 Sample ID: WG189544-01
Instrument ID: IC1 Run Time: 16:05 Prep Method: 314.0
File ID: I1052005.12 Analyst: JWR Method: 314.0
Workgroup (AAB#): WG189544 Matrix: Water Units: ug/L
Contract #: DACA56-94-D-0020 Cal ID: IC1-

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Perchlorate	0.500	1.00	0.500	1	U

Login Number: L0505335 Run Date: 05/17/2005 Sample ID: WG189410-02
Instrument ID: IC1 Run Time: 16:16 Prep Method: 314.0
File ID: I1051705.14 Analyst: JWR Method: 314.0
Workgroup (AAB#): WG189410 Matrix: Water Units: ug/L
Contract #: DACA56-94-D-0020 Cal ID: IC1-

Analytes	Expected	Found	% Rec	LCS Limits	Q
Perchlorate	25.0	23.3	93.3	85 - 115	

Login Number: L0505335 Run Date: 05/18/2005 Sample ID: WG189532-02
Instrument ID: IC1 Run Time: 15:15 Prep Method: 314.0
File ID: I1051805.14 Analyst: JWR Method: 314.0
Workgroup (AAB#): WG189532 Matrix: Water Units: ug/L
Contract #: DACA56-94-D-0020 Cal ID: IC1-

Analytes	Expected	Found	% Rec	LCS Limits	Q
Perchlorate	25.0	23.7	94.8	85 - 115	

Login Number: L0505335 Run Date: 05/20/2005 Sample ID: WG189544-02
Instrument ID: IC1 Run Time: 16:45 Prep Method: 314.0
File ID: I1052005.14 Analyst: JWR Method: 314.0
Workgroup (AAB#): WG189544 Matrix: Water Units: ug/L
Contract #: DACA56-94-D-0020 Cal ID: IC1-

Analytes	Expected	Found	% Rec	LCS Limits	Q
Perchlorate	25.0	24.1	96.6	85 - 115	

MS/MSD REPORT

00093877

Loginnum: L0505335 Cal ID: IC1 - Worknum: WG189532
Instrument ID: IC1 Contract #: DACA56-94-D-0020 Prep Method: 314.0
Parent ID: L0505335-12 File ID: I1051805.15 Dil: 4 Method: 314.0
Sample ID: L0505335-13 MS File ID: I1051805.17 Dil: 4 Matrix: Water
Sample ID: L0505335-14 MSD File ID: I1051805.18 Dil: 4 Units: ug/L

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Perchlorate	ND	100	97.8	97.8	100	98.3	98.3	0.530	80 - 120	25	

* FAILS %REC LIMIT

FAILS RPD LIMIT



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: LHAAP-020

Page 1 of 2

Project Number: 845714

Samples Shipment Date: 16 MAY 2005

Bill To: Diane Meyer

3010 Briarpark Drive

Houston

TX 77042

Project Name: Longhorn Army Ammunition Plant Lab Destination: Kemron Lab

Sample Coordinator: Phil Conley

Lab Contact: Stephanie Mossburg

Report To: Diane Meyer

3010 Briarpark Drive

Houston

TX 77042

Turnaround Time:

Project Contact: Diane Meyer

Carrier/Waybill No.: UPS/J178 825 543 3

Special Instructions:

Possible Hazard Identification:

Non-hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown ☐Radiological ☐

Sample Disposal:

Return to Client ☐Disposal by Lab ☐

Archive

(mos.)

1. Relinquished By
(Signature/Affiliation)Date: 5/16/05
Time: 17001. Received By
(Signature/Affiliation)

Brenda Gregory

Date: 5/17/05
Time: 09402. Relinquished By
(Signature/Affiliation)Date:
Time:2. Received By
(Signature/Affiliation)Date:
Time:3. Relinquished By
(Signature/Affiliation)Date:
Time:3. Received By
(Signature/Affiliation)Date:
Time:

Comments:

clerk dated
5/16/05
cooling mp 3
by

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	File	CID	Condition On Receipt
051305-ER	LHSMW67-WA-051305-ER-ER	13 MAY 2005	17:00	500 mL HDPE	1	HNO3<pH 2	TAL METALS by 6010b, 6020, 7471A				N KL148	
051405-ER	29WW10-WA-051405-ER-ER	14 MAY 2005	08:50	1 L HDPE	1		Perchlorate by 314.0				N KL148	
29WW01-MAY05	29WW01-GW-29WW01-MAY05-REG	13 MAY 2005	16:25	1 L HDPE	1		Perchlorate by 314.0				N KL148	
29WW02-MAY05	29WW02-GW-29WW02-MAY05-REG	14 MAY 2005	14:00	1 L HDPE	1		Perchlorate by 314.0				N KL148	
29WW06-MAY05	29WW06-GW-29WW06-MAY05-REG	15 MAY 2005	11:50	1 L HDPE	1		Perchlorate by 314.0				N KL148	
29WW07-MAY05	29WW07-GW-29WW07-MAY05-REG	14 MAY 2005	12:00	1 L HDPE	1		Perchlorate by 314.0				N KL148	
29WW08-MAY05	29WW08-GW-29WW08-MAY05-REG	14 MAY 2005	09:50	1 L HDPE	1		Perchlorate by 314.0				N KL148	
29WW11-MAY05	29WW11-GW-29WW11-MAY05-REG	14 MAY 2005	10:53	1 L HDPE	1		Perchlorate by 314.0				N KL148	



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: LHAAP-020

Page 2 of 2

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Sample Vol	Units	Fill	CID	Condition On Receipt
29WW114-MAY	114-GW-29WW114-MAY05-REG	14 MAY 2005	12:00	1 L HDPE	1	Perchlorate by 314.0				N KL148	
29WW116-MAY	116-GW-29WW116-MAY05-REG	14 MAY 2005	13:51	1 L HDPE	1	Perchlorate by 314.0				N KL148	
29WW117-MAY	117-GW-29WW117-MAY05-REG	14 MAY 2005	09:25	1 L HDPE	1	Perchlorate by 314.0				N KL148	
29WW118-MAY	118-GW-29WW118-MAY05-REG	15 MAY 2005	09:25	1 L HDPE	1	Perchlorate by 314.0				N KL148	
29WW118-MAY	118-GW-29WW118-MAY05-MS-MS	15 MAY 2005	09:25	1 L HDPE	1	Perchlorate by 314.0				N KL148	
29WW118-MAY	118-GW-29WW118-MAY05-MSD-MSD	15 MAY 2005	09:25	1 L HDPE	1	Perchlorate by 314.0				N KL148	
29WW12-MAY05	29WW12-GW-29WW12-MAY05-REG	15 MAY 2005	09:08	1 L HDPE	1	Perchlorate by 314.0				N KL148	
29WW13-MAY05	29WW13-GW-29WW13-MAY05-REG	15 MAY 2005	09:10	1 L HDPE	1	Perchlorate by 314.0				N KL148	
29WW14-MAY05	29WW14-GW-29WW14-MAY05-REG	14 MAY 2005	17:10	1 L HDPE	1	Perchlorate by 314.0				N KL148	
29WW18-MAY05	29WW18-GW-29WW18-MAY05-REG	14 MAY 2005	14:00	1 L HDPE	1	Perchlorate by 314.0				N KL148	
29WW25-MAY05	29WW25-GW-29WW25-MAY05-REG	14 MAY 2005	10:00	1 L HDPE	1	Perchlorate by 314.0				N KL148	
29WW27-MAY05	29WW27-GW-29WW27-MAY05-REG	14 MAY 2005	16:15	1 L HDPE	1	Perchlorate by 314.0				N KL148	
29WW28-MAY05	29WW28-GW-29WW28-MAY05-REG	15 MAY 2005	09:40	1 L HDPE	1	Perchlorate by 314.0				N KL148	
LHSMW71-MAY	LHSMW71-GW-LHSMW71-MAY05-REG	14 MAY 2005	13:00	1000 mL HDPE	1	HNO3<pH 2	TAL METALS by 6010b, 6020, 7471A			N KL148	
LHSMW71-MAY	LHSMW71-GW-LHSMW71-MAY05-REG	14 MAY 2005	13:00	1000 mL HDPE	1	None except cool to 4 C	TAL METALS by 6010B, 6020, 7471A, DISSOLVED			N KL148	

KEMRON Environmental Services
Internal Chain of Custody Report

00093880

Login: L0505335
Account: SHAW-ALLIANCE-798
Project: 798-LONGHORN
Samples: 21
Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**
L0505335-01 133376 DIG-MW PB-AX SB-MS SE-MS TL-MS V ZN AG AL AS-/

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:17	BRG	
2	PREP	W1	DIG	18-MAY-2005 06:49	REK	JKT
3	STORE	DIG	A1	19-MAY-2005 07:28	JKT	REK

Samplenum **Container ID** **Products**
L0505335-02 133377 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:17	BRG	
2	ANALYZ	W1	WET	17-MAY-2005 15:30	JWR	BRG

Samplenum **Container ID** **Products**
L0505335-03 133378 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:17	BRG	
2	ANALYZ	W1	WET	17-MAY-2005 15:30	JWR	BRG

Samplenum **Container ID** **Products**
L0505335-04 133379 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:17	BRG	
2	ANALYZ	W1	WET	17-MAY-2005 15:30	JWR	BRG

Samplenum **Container ID** **Products**
L0505335-05 133380 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:17	BRG	
2	ANALYZ	W1	WET	17-MAY-2005 15:30	JWR	BRG

KEMRON Environmental Services
Internal Chain of Custody Report

00093881

Login: L0505335
Account: SHAW-ALLIANCE-798
Project: 798-LONGHORN
Samples: 21
Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505335-06 133381 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:17	BRG	
2	ANALYZ	W1	WET	17-MAY-2005 15:30	JWR	BRG

Samplenum **Container ID** **Products**

L0505335-07 133382 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:17	BRG	
2	ANALYZ	W1	WET	17-MAY-2005 15:30	JWR	BRG

Samplenum **Container ID** **Products**

L0505335-08 133383 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:17	BRG	
2	ANALYZ	W1	WET	17-MAY-2005 15:30	JWR	BRG

Samplenum **Container ID** **Products**

L0505335-09 133384 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:17	BRG	
2	ANALYZ	W1	WET	17-MAY-2005 15:30	JWR	BRG

Samplenum **Container ID** **Products**

L0505335-10 133385 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:17	BRG	
2	ANALYZ	W1	WET	17-MAY-2005 15:30	JWR	BRG

KEMRON Environmental Services
Internal Chain of Custody Report

00093882

Login: L0505335
Account: SHAW-ALLIANCE-798
Project: 798-LONGHORN
Samples: 21
Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505335-11 133386 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:17	BRG	
2	ANALYZ	W1	WET	17-MAY-2005 15:30	JWR	BRG

Samplenum **Container ID** **Products**

L0505335-12 133387 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:17	BRG	
2	ANALYZ	W1	WET	18-MAY-2005 13:31	JWR	BRG

Samplenum **Container ID** **Products**

L0505335-13 133388 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:17	BRG	
2	ANALYZ	W1	WET	18-MAY-2005 13:31	JWR	BRG

Samplenum **Container ID** **Products**

L0505335-14 133389 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:17	BRG	
2	ANALYZ	W1	WET	18-MAY-2005 13:31	JWR	BRG

Samplenum **Container ID** **Products**

L0505335-15 133390 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:17	BRG	
2	ANALYZ	W1	WET	18-MAY-2005 13:31	JWR	BRG

KEMRON Environmental Services
Internal Chain of Custody Report

00093883

Login: L0505335
Account: SHAW-ALLIANCE-798
Project: 798-LONGHORN
Samples: 21
Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505335-16 133391 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:17	BRG	
2	ANALYZ	W1	WET	18-MAY-2005 13:31	JWR	BRG

Samplenum **Container ID** **Products**

L0505335-17 133392 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:17	BRG	
2	ANALYZ	W1	WET	18-MAY-2005 13:31	JWR	BRG

Samplenum **Container ID** **Products**

L0505335-18 133393 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:17	BRG	
2	ANALYZ	W1	WET	18-MAY-2005 13:31	JWR	BRG

Samplenum **Container ID** **Products**

L0505335-19 133394 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:17	BRG	
2	ANALYZ	W1	WET	18-MAY-2005 13:31	JWR	BRG

Samplenum **Container ID** **Products**

L0505335-20 133395 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:17	BRG	
2	ANALYZ	W1	WET	18-MAY-2005 13:31	JWR	BRG

KEMRON Environmental Services
Internal Chain of Custody Report

00093884

Login: L0505335
Account: SHAW-ALLIANCE-798
Project: 798-LONGHORN
Samples: 21
Due Date: 24-MAY-2005

<u>Samplenum</u>	<u>Container ID</u>	<u>Products</u>
L0505335-21	133396	CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:17	BRG	
2	ANALYZ	W1	WET	18-MAY-2005 13:31	JWR	BRG

CRF#4

Sample Discrepancy Form

Client: Shaw Project: C/C 020

Date Received: 5/17

_____ Cooler temperature > than 6 degrees Celsius

Reason _____

_____ Samples received not on chain of custody

_____ Samples on chain of custody not received

✓ Information on sample containers different from chain of custody
C/C 051305-ER 5/13 @ 1700 = label 5/14
C/C 29WW14-may05 5/14 @ 1710 = label 5/13
C/C 29WW25-may05 5/14 @ 1000 = label 5/13
C/C 29WW27-may05 5/14 @ 1615 = label 5/13

Sample containers received broken, leaking or not sealed (List sample ID)
C/C LH5mw71-may05 5/14 @ 1300 = label 5/13

_____ pH out (List sample ID, which container, pH prior to adjusting, amount of acid, preservative)

_____ Insufficient sample volume

_____ Air bubbles present in VOA vials (List sample ID)

_____ Hold time expired (List sample ID)

Service Representative:

Was client notified regarding information: YES

NO

Name of Person contacted: _____

Company: _____

Service Representative: _____

Date: _____

Last Revised 08/22/03

SAMPLE RECEIPT FORM

00093886

Date: 5-17-05 Client: ShAW-LH156 STARLITE DRIVE
MARIETTA, OH
45750
(740) 373-4071Shipped By: () Fed-Ex (☒) UPS () DHL () KEMRON () Client () OtherOpened By: BLGLogged By: BLG Login # L05 05335IR Temp Gun: ☒ D () F

COOLER INFORMATION

Number	Cooler ID	Temp °C	Airbill#	COC#	Other
1	KL1484	3	J1788255433	020	
2	KL1519	4	J1788255424	023	
3	KL1316	1	J1788255442	021	
4	KL1665	2	J1788255460	019	
5	KL1045	2	J1800104053	025	
6	KL1706	5	J1788255406	024	

Were all coolers sealed?

Y

N N/A

Were custody seals used on all coolers?

Y

N N/A

Were custody seals intact?

Y

N N/A

Was visible ice present?

Y

N N/A

Were all coolers in the temperature range of 2-6C? (>6C*)

Y

N

N/A

Were the samples frozen?*

Y

N

N/A

Were COC papers provided?

Y

N N/A

Were all sample containers intact?*

Y

N N/A

Were all sample labels intact?

Y

N N/A

Were all sample labels legible?*

Y

N N/A

Did all sample labels match the COC?*

Y

N

N/A

Was the label information complete?*

Y

N N/A

Were the correct containers used?*

Y

N N/A

Were the correct preservatives added to water samples?*

Y

N N/A

Was the pH tested on preserved water samples?

Y

N N/A

Were pH ranges acceptable?*

Y

N N/A

Was sufficient amount of sample provided?*

Y

N N/A

Were bubbles present in VOA samples?*

Y

N

N/A

Were COC's signed and dated?

Y

N N/A

Did samples arrive before hold time expired?*

Y

N N/A

Are discrepancy forms attached?

Y

N N/A

*Requires a discrepancy form

CRF #1

Revised 8/22/03

Comments: _____



156 Starlite Drive, Marietta, OH 45750 • TEL 740-373-4071 • FAX 740-373-4835 • <http://www.kemron.com>

Laboratory Report Number: L0505336

Please find enclosed the analytical results for the samples you submitted to KEMRON Environmental Services.

Review and compilation of your report was completed by KEMRON's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact our team member noted in the Reviewed box below at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

Debra Elliott - Team Leader
delliott@kemron-lab.com

Amanda Fickiesen - Client Services Specialist
afickiesen@kemron-lab.com

Cheryl Koelsch - Team Chemist/Data Specialist
ckoelsch@kemron-lab.com

Annie Bock - Client Services Specialist
abock@kemron-lab.com

Stephanie Mossburg - Team Chemist/Data Specialist
smossburg@kemron-lab.com

Vicki Lauer - Client Services Specialist
vlauer@kemron-lab.com

Kathy Albertson - Team Chemist/Data Specialist
kalbertson@kemron-lab.com

Micalyn Harris - Team Chemist/Data Specialist
mharris@kemron-lab.com

This report was reviewed on May 24, 2005:

A handwritten signature in cursive script, reading "Stephanie Mossburg".

I certify that all test results meet all of the requirements of the NELAP standards and other applicable contract terms and conditions. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on an 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of KEMRON Environmental Services.

This report was certified on May 24, 2005:

A handwritten signature in cursive script, reading "David E. Vandenberg".

FL DOH NELAP ID: E87551

This report contains a total of **141** pages.

Protecting Our Environmental Future

LABORATORY REPORT

L0505336

00093888

05/24/05 13:33

Submitted By

KEMRON Environmental Services

156 Starlite Drive

Marietta , OH 45750

(740) 373 - 4071

For

Account Name: Shaw E & I, Inc.

ABB Lummus Building

3010 Briarpark

Houston, TX 77042

Attention: Diane Mever

Account Number: 307-ALLIANCE-798

Work ID: LONGHORN AAP

P.O. Number: 98696

Sample Summary

Client ID	Lab ID	Date Collected	Date Received
051305-ER	L0505336-01	13-MAY-05	17-MAY-05
051305-TB-2	L0505336-02	13-MAY-05	17-MAY-05
051405-TB-1	L0505336-03	14-MAY-05	17-MAY-05
051505-TB-1	L0505336-04	15-MAY-05	17-MAY-05
29WW01-MAY05	L0505336-05	13-MAY-05	17-MAY-05
29WW02-MAY05	L0505336-06	14-MAY-05	17-MAY-05
29WW06-MAY05	L0505336-07	15-MAY-05	17-MAY-05
29WW07-MAY05	L0505336-08	14-MAY-05	17-MAY-05
29WW08-MAY05	L0505336-09	14-MAY-05	17-MAY-05
29WW11-MAY05	L0505336-10	14-MAY-05	17-MAY-05
29WW114-MAY05	L0505336-11	14-MAY-05	17-MAY-05
29WW116-MAY05	L0505336-12	14-MAY-05	17-MAY-05
29WW117-MAY05	L0505336-13	14-MAY-05	17-MAY-05
29WW118-MAY05	L0505336-14	15-MAY-05	17-MAY-05
29WW118-MAY05-MS	L0505336-15	15-MAY-05	17-MAY-05
29WW118-MAY05-MSD	L0505336-16	15-MAY-05	17-MAY-05
29WW12-MAY05	L0505336-17	15-MAY-05	17-MAY-05
29WW13-MAY05	L0505336-18	15-MAY-05	17-MAY-05
29WW14-MAY05	L0505336-19	14-MAY-05	17-MAY-05
29WW18-MAY05	L0505336-20	14-MAY-05	17-MAY-05
29WW25-MAY05	L0505336-21	14-MAY-05	17-MAY-05
29WW27-MAY05	L0505336-22	14-MAY-05	17-MAY-05
29WW28-MAY05	L0505336-23	15-MAY-05	17-MAY-05

KEMRON ENVIRONMENTAL SERVICES
REPORT NARRATIVE

KEMRON Login No.: L0505336

CHAIN OF CUSTODY: The chain of custody number was LHAAP-021

SHIPMENT CONDITIONS: The chain of custody forms were received sealed in a cooler. The cooler temperature was 1 degrees C.

SAMPLE MANAGEMENT: All samples received were intact. There were several discrepancies between the COC and the labels. The client was notified.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Approved: 17-MAY-05

<i>Stephanie Moseburg</i>

KEMRON ENVIRONMENTAL SERVICES
GC/MS VOLATILE ORGANICS

KEMRON Login No.: L0505336

METHOD

Preparation: SW-846 5030B

Analysis: SW-846 8260B

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds which yielded a %RSD greater than 15%, linear or higher order equations were applied or if the mean %RSD for all analytes was less than 15% the average response factors were used. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration and Tune: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: Dichlorodifluoromethane exceeded the upper advisory limit in the LCS/LCSD analyzed 5/19/05 on HPMS-11. All other acceptance criteria were met.

Matrix Spike: 2-Chloroethylvinyl ether, styrene, and vinyl acetate were below lower advisory limits in the MS/MSD analyses of sample 14. The outliers were acceptable in the associated LCS.

SAMPLES

Internal Standards: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Samples: All acceptance criteria were met.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: CMS

Approved: 24-MAY-05


Report Number: L0505336

Report Date : May 24, 2005

00093892

Sample Number: L0505336-01
 Client ID: 051305-ER
 Matrix: Water
 Workgroup Number: WG189367
 Collect Date: 13-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/19/2005 20:46
 Cal Date: 04/23/2005 16:36
 Run Date: 05/19/2005 20:46
 File ID: 10M38119

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2	0.512	J	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125

Report Number: L0505336

Report Date : May 24, 2005

00093893

Sample Number: **L0505336-01**
 Client ID: **051305-ER**
 Matrix: **Water**
 Workgroup Number: **WG189367**
 Collect Date: **13-MAY-05**
 Sample Tag: **01**

Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPMS10**
 Prep Date: **05/19/2005 20:46**
 Cal Date: **04/23/2005 16:36**
 Run Date: **05/19/2005 20:46**
 File ID: **10M38119**

Analyte	CAS. Number	Result	Qual	RL	MDL
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	98.4	86	118		
1,2-Dichloroethane-d4	98.9	80	120		
Toluene-d8	93.1	88	110		
4-Bromofluorobenzene	87.9	86	115		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: **L0505336-02**
 Client ID: **051305-TB-2**
 Matrix: **Water**
 Workgroup Number: **WG189367**
 Collect Date: **13-MAY-05**
 Sample Tag: **01**

Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPMS10**
 Prep Date: **05/19/2005 16:08**
 Cal Date: **04/23/2005 16:36**
 Run Date: **05/19/2005 16:08**
 File ID: **10M38110**

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125

Report Number: L0505336

Report Date : May 24, 2005

00093894

Sample Number: L0505336-02
 Client ID: 051305-TB-2
 Matrix: Water
 Workgroup Number: WG189367
 Collect Date: 13-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/19/2005 16:08
 Cal Date: 04/23/2005 16:36
 Run Date: 05/19/2005 16:08
 File ID: 10M38110

Analyte	CAS. Number	Result	Qual	RL	MDL
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2	0.857	J	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250

Report Number: L0505336

Report Date : May 24, 2005

00093895

Sample Number: L0505336-02
 Client ID: 051305-TB-2
 Matrix: Water
 Workgroup Number: WG189367
 Collect Date: 13-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/19/2005 16:08
 Cal Date: 04/23/2005 16:36
 Run Date: 05/19/2005 16:08
 File ID: 10M38110

Analyte	CAS. Number	Result	Qual	RL	MDL
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-, p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	94.5	86	118		
1,2-Dichloroethane-d4	95.2	80	120		
Toluene-d8	93.5	88	110		
4-Bromofluorobenzene	90.6	86	115		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: L0505336-03
 Client ID: 051405-TB-1
 Matrix: Water
 Workgroup Number: WG189367
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/19/2005 17:09
 Cal Date: 04/23/2005 16:36
 Run Date: 05/19/2005 17:09
 File ID: 10M38112

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250

Report Number: L0505336

Report Date : May 24, 2005

00093896

Sample Number: L0505336-03
 Client ID: 051405-TB-1
 Matrix: Water
 Workgroup Number: WG189367
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/19/2005 17:09
 Cal Date: 04/23/2005 16:36
 Run Date: 05/19/2005 17:09
 File ID: 10M38112

Analyte	CAS. Number	Result	Qual	RL	MDL
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2	1.25	J	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-, p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	96.5	86	118		
1,2-Dichloroethane-d4	97.7	80	120		
Toluene-d8	91.2	88	110		
4-Bromofluorobenzene	88.4	86	115		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Report Number: L0505336

Report Date : May 24, 2005

00093897

Sample Number: L0505336-04
 Client ID: 051505-TB-1
 Matrix: Water
 Workgroup Number: WG189367
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/19/2005 17:40
 Cal Date: 04/23/2005 16:36
 Run Date: 05/19/2005 17:40
 File ID: 10M38113

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2	0.832	J	5.00	0.250
Napthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125

Report Number: L0505336

Report Date : May 24, 2005

00093898

Sample Number: L0505336-04
 Client ID: 051505-TB-1
 Matrix: Water
 Workgroup Number: WG189367
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/19/2005 17:40
 Cal Date: 04/23/2005 16:36
 Run Date: 05/19/2005 17:40
 File ID: 10M38113

Analyte	CAS. Number	Result	Qual	RL	MDL
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	95.5	86	118		
1,2-Dichloroethane-d4	98.5	80	120		
Toluene-d8	92.5	88	110		
4-Bromofluorobenzene	89.7	86	115		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: L0505336-05
 Client ID: 29WW01-MAY05
 Matrix: Water
 Workgroup Number: WG189367
 Collect Date: 13-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/19/2005 21:17
 Cal Date: 04/23/2005 16:36
 Run Date: 05/19/2005 21:17
 File ID: 10M38120

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125

Report Number: L0505336

Report Date : May 24, 2005

00093899

Sample Number: L0505336-05
 Client ID: 29WW01-MAY05
 Matrix: Water
 Workgroup Number: WG189367
 Collect Date: 13-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/19/2005 21:17
 Cal Date: 04/23/2005 16:36
 Run Date: 05/19/2005 21:17
 File ID: 10M38120

Analyte	CAS. Number	Result	Qual	RL	MDL
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250

Report Number: L0505336

Report Date : May 24, 2005

00093900

Sample Number: L0505336-05
 Client ID: 29WW01-MAY05
 Matrix: Water
 Workgroup Number: WG189367
 Collect Date: 13-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/19/2005 21:17
 Cal Date: 04/23/2005 16:36
 Run Date: 05/19/2005 21:17
 File ID: 10M38120

Analyte	CAS. Number	Result	Qual	RL	MDL
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-, p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	96.9	86	118		
1,2-Dichloroethane-d4	99.8	80	120		
Toluene-d8	91.8	88	110		
4-Bromofluorobenzene	87.0	86	115		

U Not detected at or above adjusted sample detection limit

Sample Number: L0505336-06
 Client ID: 29WW02-MAY05
 Matrix: Water
 Workgroup Number: WG189367
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/19/2005 21:48
 Cal Date: 04/23/2005 16:36
 Run Date: 05/19/2005 21:48
 File ID: 10M38121

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3	1.35		1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125

Report Number: L0505336

Report Date : May 24, 2005

00093901

Sample Number: L0505336-06
 Client ID: 29WW02-MAY05
 Matrix: Water
 Workgroup Number: WG189367
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/19/2005 21:48
 Cal Date: 04/23/2005 16:36
 Run Date: 05/19/2005 21:48
 File ID: 10M38121

Analyte	CAS. Number	Result	Qual	RL	MDL
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	97.3	86	118		
1,2-Dichloroethane-d4	102	80	120		
Toluene-d8	92.6	88	110		
4-Bromofluorobenzene	89.2	86	115		

U Not detected at or above adjusted sample detection limit

Report Number: L0505336

Report Date : May 24, 2005

00093902

Sample Number: L0505336-07
 Client ID: 29W06-MAY05
 Matrix: Water
 Workgroup Number: WG189445
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/20/2005 11:36
 Cal Date: 04/23/2005 16:36
 Run Date: 05/20/2005 11:36
 File ID: 10M38138

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125

Report Number: L0505336

Report Date : May 24, 2005

00093903

Sample Number: L0505336-07
 Client ID: 29WW06-MAY05
 Matrix: Water
 Workgroup Number: WG189445
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/20/2005 11:36
 Cal Date: 04/23/2005 16:36
 Run Date: 05/20/2005 11:36
 File ID: 10M38138

Analyte	CAS. Number	Result	Qual	RL	MDL
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-, p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	94.6	86	118		
1,2-Dichloroethane-d4	92.6	80	120		
Toluene-d8	93.2	88	110		
4-Bromofluorobenzene	87.9	86	115		

U Not detected at or above adjusted sample detection limit

Sample Number: L0505336-08
 Client ID: 29WW07-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/19/2005 18:46
 Cal Date: 05/19/2005 12:16
 Run Date: 05/19/2005 18:46
 File ID: 11M27029

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2	0.171	J	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250

12 of 39

Report Number: L0505336

Report Date : May 24, 2005

00093904

Sample Number: L0505336-08
 Client ID: 29WW07-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/19/2005 18:46
 Cal Date: 05/19/2005 12:16
 Run Date: 05/19/2005 18:46
 File ID: 11M27029

Analyte	CAS. Number	Result	Qual	RL	MDL
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50

Report Number: L0505336

Report Date : May 24, 2005

00093905

Sample Number: L0505336-08
 Client ID: 29WW07-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/19/2005 18:46
 Cal Date: 05/19/2005 12:16
 Run Date: 05/19/2005 18:46
 File ID: 11M27029

Analyte	CAS. Number	Result	Qual	RL	MDL
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	101	86	118		
1,2-Dichloroethane-d4	97.9	80	120		
Toluene-d8	102	88	110		
4-Bromofluorobenzene	96.8	86	115		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: L0505336-09
 Client ID: 29WW08-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/19/2005 19:16
 Cal Date: 05/19/2005 12:16
 Run Date: 05/19/2005 19:16
 File ID: 11M27030

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1	0.133	J	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3	0.162	J	1.00	0.125

Report Number: L0505336

Report Date : May 24, 2005

00093906

Sample Number: L0505336-09
 Client ID: 29WW08-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/19/2005 19:16
 Cal Date: 05/19/2005 12:16
 Run Date: 05/19/2005 19:16
 File ID: 11M27030

Analyte	CAS. Number	Result	Qual	RL	MDL
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3	0.310	J	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6	0.389	J	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	99.3	86	118		
1,2-Dichloroethane-d4	96.6	80	120		
Toluene-d8	103	88	110		
4-Bromofluorobenzene	97.3	86	115		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Report Number: L0505336

Report Date : May 24, 2005

00093907

Sample Number: L0505336-10
 Client ID: 29WW11-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/19/2005 19:46
 Cal Date: 05/19/2005 12:16
 Run Date: 05/19/2005 19:46
 File ID: 11M27031

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125

Report Number: L0505336

Report Date : May 24, 2005

00093908

Sample Number: L0505336-10
 Client ID: 29WW11-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/19/2005 19:46
 Cal Date: 05/19/2005 12:16
 Run Date: 05/19/2005 19:46
 File ID: 11M27031

Analyte	CAS. Number	Result	Qual	RL	MDL
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	101	86	118		
1,2-Dichloroethane-d4	102	80	120		
Toluene-d8	103	88	110		
4-Bromofluorobenzene	97.0	86	115		

U Not detected at or above adjusted sample detection limit

Sample Number: L0505336-11
 Client ID: 29WW114-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/19/2005 20:15
 Cal Date: 05/19/2005 12:16
 Run Date: 05/19/2005 20:15
 File ID: 11M27032

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250

17 of 39

Report Number: L0505336

Report Date : May 24, 2005

00093909

Sample Number: L0505336-11
 Client ID: 29WW114-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/19/2005 20:15
 Cal Date: 05/19/2005 12:16
 Run Date: 05/19/2005 20:15
 File ID: 11M27032

Analyte	CAS. Number	Result	Qual	RL	MDL
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50

Report Number: L0505336

Report Date : May 24, 2005

00093910

Sample Number: L0505336-11
 Client ID: 29WW114-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/19/2005 20:15
 Cal Date: 05/19/2005 12:16
 Run Date: 05/19/2005 20:15
 File ID: 11M27032

Analyte	CAS. Number	Result	Qual	RL	MDL
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	99.6	86	118		
1,2-Dichloroethane-d4	101	80	120		
Toluene-d8	102	88	110		
4-Bromofluorobenzene	97.4	86	115		

U Not detected at or above adjusted sample detection limit

Sample Number: L0505336-12
 Client ID: 29WW116-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/19/2005 20:46
 Cal Date: 05/19/2005 12:16
 Run Date: 05/19/2005 20:46
 File ID: 11M27033

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3	0.429	J	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250

19 of 39

Report Number: L0505336

Report Date : May 24, 2005

00093911

Sample Number: L0505336-12
 Client ID: 29WW116-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/19/2005 20:46
 Cal Date: 05/19/2005 12:16
 Run Date: 05/19/2005 20:46
 File ID: 11M27033

Analyte	CAS. Number	Result	Qual	RL	MDL
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3	0.822	J	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	101	86	118		
1,2-Dichloroethane-d4	101	80	120		
Toluene-d8	103	88	110		
4-Bromofluorobenzene	97.7	86	115		

J The analyte was positively identified, but the quantitation was below the RL
 U Not detected at or above adjusted sample detection limit

Report Number: L0505336

Report Date : May 24, 2005

00093912

Sample Number: L0505336-13
 Client ID: 29WW117-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/19/2005 21:15
 Cal Date: 05/19/2005 12:16
 Run Date: 05/19/2005 21:15
 File ID: 11M27034

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125

Report Number: L0505336

Report Date : May 24, 2005

00093913

Sample Number: L0505336-13
 Client ID: 29WW117-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/19/2005 21:15
 Cal Date: 05/19/2005 12:16
 Run Date: 05/19/2005 21:15
 File ID: 11M27034

Analyte	CAS. Number	Result	Qual	RL	MDL
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-, p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	102	86	118		
1,2-Dichloroethane-d4	99.9	80	120		
Toluene-d8	103	88	110		
4-Bromofluorobenzene	98.2	86	115		

U Not detected at or above adjusted sample detection limit

Sample Number: L0505336-14
 Client ID: 29WW118-MAY05
 Matrix: Water
 Workgroup Number: WG189367
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/19/2005 18:42
 Cal Date: 04/23/2005 16:36
 Run Date: 05/19/2005 18:42
 File ID: 10M38115

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250

22 of 39

Report Number: L0505336

Report Date : May 24, 2005

00093914

Sample Number: L0505336-14
 Client ID: 29WW118-MAY05
 Matrix: Water
 Workgroup Number: WG189367
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/19/2005 18:42
 Cal Date: 04/23/2005 16:36
 Run Date: 05/19/2005 18:42
 File ID: 10M38115

Analyte	CAS. Number	Result	Qual	RL	MDL
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3	0.270	J	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50

Report Number: L0505336

Report Date : May 24, 2005

00093915

Sample Number: L0505336-14
 Client ID: 29WW118-MAY05
 Matrix: Water
 Workgroup Number: WG189367
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/19/2005 18:42
 Cal Date: 04/23/2005 16:36
 Run Date: 05/19/2005 18:42
 File ID: 10M38115

Analyte	CAS. Number	Result	Qual	RL	MDL
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	96.5	86	118		
1,2-Dichloroethane-d4	100	80	120		
Toluene-d8	92.8	88	110		
4-Bromofluorobenzene	90.2	86	115		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: L0505336-15
 Client ID: 29WW118-MAY05-MS
 Matrix: Water
 Workgroup Number: WG189367
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/19/2005 19:13
 Cal Date: 04/23/2005 16:36
 Run Date: 05/19/2005 19:13
 File ID: 10M38116

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1	19.6		10.0	2.50
Benzene	71-43-2	20.4		1.00	0.125
Bromobenzene	108-86-1	20.5		1.00	0.125
Bromochloromethane	74-97-5	21.1		1.00	0.200
Bromodichloromethane	75-27-4	23.0		1.00	0.250
Bromoform	75-25-2	20.1		1.00	0.540
Bromomethane	74-83-9	22.0		1.00	0.500
2-Butanone	78-93-3	18.1		10.0	2.50
n-Butylbenzene	104-51-8	20.0		1.00	0.250
sec-Butylbenzene	135-98-8	19.9		1.00	0.250
tert-Butylbenzene	98-06-6	19.7		1.00	0.250
Carbon disulfide	75-15-0	19.8		1.00	0.500
Carbon tetrachloride	56-23-5	22.0		1.00	0.250
Chlorobenzene	108-90-7	20.7		1.00	0.125
Chlorodibromomethane	124-48-1	20.3		1.00	0.250
Chloroethane	75-00-3	19.9		1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3	21.4		1.00	0.125
Chloromethane	74-87-3	21.4		1.00	0.250
2-Chlorotoluene	95-49-8	19.7		1.00	0.125
4-Chlorotoluene	106-43-4	20.2		1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8	18.6		5.00	1.00
1,2-Dibromoethane	106-93-4	20.8		1.00	0.250
Dibromomethane	74-95-3	21.4		1.00	0.250
1,2-Dichlorobenzene	95-50-1	20.0		1.00	0.125
1,3-Dichlorobenzene	541-73-1	20.1		1.00	0.250
1,4-Dichlorobenzene	106-46-7	19.7		1.00	0.125
Dichlorodifluoromethane	75-71-8	23.1		1.00	0.250
1,1-Dichloroethane	75-34-3	20.0		1.00	0.125

Report Number: L0505336

Report Date : May 24, 2005

00093916

Sample Number: L0505336-15
 Client ID: 29WW118-MAY05-MS
 Matrix: Water
 Workgroup Number: WG189367
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/19/2005 19:13
 Cal Date: 04/23/2005 16:36
 Run Date: 05/19/2005 19:13
 File ID: 10M38116

Analyte	CAS. Number	Result	Qual	RL	MDL
1,2-Dichloroethane	107-06-2	22.2		1.00	0.250
1,1-Dichloroethene	75-35-4	19.3		1.00	0.500
cis-1,2-Dichloroethene	156-59-2	20.5		1.00	0.250
trans-1,2-Dichloroethene	156-60-5	20.8		1.00	0.250
1,2-Dichloropropane	78-87-5	19.7		1.00	0.125
1,3-Dichloropropane	142-28-9	19.7		1.00	0.200
2,2-Dichloropropane	594-20-7	22.0		1.00	0.250
cis-1,3-Dichloropropene	10061-01-5	21.1		1.00	0.250
trans-1,3-Dichloropropene	10061-02-6	22.7		1.00	0.500
1,1-Dichloropropene	563-58-6	19.7		1.00	0.250
Ethylbenzene	100-41-4	20.8		1.00	0.250
2-Hexanone	591-78-6	17.9		10.0	2.50
Hexachlorobutadiene	87-68-3	21.3		1.00	0.250
Isopropylbenzene	98-82-8	21.9		1.00	0.250
p-Isopropyltoluene	99-87-6	20.6		1.00	0.250
4-Methyl-2-pentanone	108-10-1	17.8		10.0	2.50
Methylene chloride	75-09-2	19.3		5.00	0.250
Naphthalene	91-20-3	20.4		1.00	0.200
n-Propylbenzene	103-65-1	19.7		1.00	0.125
Styrene	100-42-5	2.37		1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6	23.9		1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5	19.2		1.00	0.125
Tetrachloroethene	127-18-4	21.0		1.00	0.250
Toluene	108-88-3	20.7		1.00	0.250
1,2,3-Trichlorobenzene	87-61-6	23.3		1.00	0.125
1,2,4-Trichlorobenzene	120-82-1	20.7		1.00	0.200
1,1,1-Trichloroethane	71-55-6	23.2		1.00	0.250
1,1,2-Trichloroethane	79-00-5	19.8		1.00	0.250
Trichloroethene	79-01-6	20.3		1.00	0.250
Trichlorofluoromethane	75-69-4	22.7		1.00	0.250
1,2,3-Trichloropropane	96-18-4	20.8		1.00	0.750
1,2,4-Trimethylbenzene	95-63-6	19.7		1.00	0.250
1,3,5-Trimethylbenzene	108-67-8	20.4		1.00	0.250
Vinyl acetate	108-05-4	7.54	J	10.0	2.50
Vinyl chloride	75-01-4	23.7		1.00	0.250
o-Xylene	95-47-6	20.9		1.00	0.250
m-,p-Xylene	136777-61-2	41.3		1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	97.8	86	118		
1,2-Dichloroethane-d4	99.1	80	120		
Toluene-d8	90.9	88	110		
4-Bromofluorobenzene	86.8	86	115		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Report Number: L0505336

Report Date : May 24, 2005

00093917

Sample Number: L0505336-16
 Client ID: 29WW118-MAY05-MSD
 Matrix: Water
 Workgroup Number: WG189367
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/19/2005 19:44
 Cal Date: 04/23/2005 16:36
 Run Date: 05/19/2005 19:44
 File ID: 10M38117

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1	19.6		10.0	2.50
Benzene	71-43-2	20.6		1.00	0.125
Bromobenzene	108-86-1	20.6		1.00	0.125
Bromochloromethane	74-97-5	21.6		1.00	0.200
Bromodichloromethane	75-27-4	23.2		1.00	0.250
Bromoform	75-25-2	20.6		1.00	0.540
Bromomethane	74-83-9	22.3		1.00	0.500
2-Butanone	78-93-3	18.8		10.0	2.50
n-Butylbenzene	104-51-8	20.0		1.00	0.250
sec-Butylbenzene	135-98-8	20.2		1.00	0.250
tert-Butylbenzene	98-06-6	19.8		1.00	0.250
Carbon disulfide	75-15-0	19.9		1.00	0.500
Carbon tetrachloride	56-23-5	22.0		1.00	0.250
Chlorobenzene	108-90-7	20.6		1.00	0.125
Chlorodibromomethane	124-48-1	21.3		1.00	0.250
Chloroethane	75-00-3	20.1		1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3	21.6		1.00	0.125
Chloromethane	74-87-3	21.2		1.00	0.250
2-Chlorotoluene	95-49-8	20.1		1.00	0.125
4-Chlorotoluene	106-43-4	20.0		1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8	18.8		5.00	1.00
1,2-Dibromoethane	106-93-4	21.8		1.00	0.250
Dibromomethane	74-95-3	21.3		1.00	0.250
1,2-Dichlorobenzene	95-50-1	20.4		1.00	0.125
1,3-Dichlorobenzene	541-73-1	20.3		1.00	0.250
1,4-Dichlorobenzene	106-46-7	19.7		1.00	0.125
Dichlorodifluoromethane	75-71-8	22.7		1.00	0.250
1,1-Dichloroethane	75-34-3	19.9		1.00	0.125
1,2-Dichloroethane	107-06-2	21.8		1.00	0.250
1,1-Dichloroethene	75-35-4	19.4		1.00	0.500
cis-1,2-Dichloroethene	156-59-2	20.5		1.00	0.250
trans-1,2-Dichloroethene	156-60-5	20.8		1.00	0.250
1,2-Dichloropropane	78-87-5	20.3		1.00	0.125
1,3-Dichloropropane	142-28-9	20.2		1.00	0.200
2,2-Dichloropropane	594-20-7	22.1		1.00	0.250
cis-1,3-Dichloropropene	10061-01-5	21.5		1.00	0.250
trans-1,3-Dichloropropene	10061-02-6	23.0		1.00	0.500
1,1-Dichloropropene	563-58-6	20.0		1.00	0.250
Ethylbenzene	100-41-4	21.1		1.00	0.250
2-Hexanone	591-78-6	18.5		10.0	2.50
Hexachlorobutadiene	87-68-3	21.5		1.00	0.250
Isopropylbenzene	98-82-8	21.9		1.00	0.250
p-Isopropyltoluene	99-87-6	20.6		1.00	0.250
4-Methyl-2-pentanone	108-10-1	18.8		10.0	2.50
Methylene chloride	75-09-2	19.2		5.00	0.250
Naphthalene	91-20-3	20.8		1.00	0.200
n-Propylbenzene	103-65-1	19.7		1.00	0.125

Report Number: L0505336

Report Date : May 24, 2005

00093918

Sample Number: L0505336-16
 Client ID: 29WW118-MAY05-MSD
 Matrix: Water
 Workgroup Number: WG189367
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/19/2005 19:44
 Cal Date: 04/23/2005 16:36
 Run Date: 05/19/2005 19:44
 File ID: 10M38117

Analyte	CAS. Number	Result	Qual	RL	MDL
Styrene	100-42-5	0.625	J	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6	24.3		1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5	19.6		1.00	0.125
Tetrachloroethene	127-18-4	20.9		1.00	0.250
Toluene	108-88-3	20.7		1.00	0.250
1,2,3-Trichlorobenzene	87-61-6	23.7		1.00	0.125
1,2,4-Trichlorobenzene	120-82-1	20.9		1.00	0.200
1,1,1-Trichloroethane	71-55-6	23.0		1.00	0.250
1,1,2-Trichloroethane	79-00-5	20.6		1.00	0.250
Trichloroethene	79-01-6	20.6		1.00	0.250
Trichlorofluoromethane	75-69-4	22.1		1.00	0.250
1,2,3-Trichloropropane	96-18-4	21.2		1.00	0.750
1,2,4-Trimethylbenzene	95-63-6	20.1		1.00	0.250
1,3,5-Trimethylbenzene	108-67-8	20.5		1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4	22.9		1.00	0.250
o-Xylene	95-47-6	21.0		1.00	0.250
m-,p-Xylene	136777-61-2	42.2		1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	98.8	86	118		
1,2-Dichloroethane-d4	100	80	120		
Toluene-d8	92.5	88	110		
4-Bromofluorobenzene	88.4	86	115		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: L0505336-17
 Client ID: 29WW12-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/19/2005 21:45
 Cal Date: 05/19/2005 12:16
 Run Date: 05/19/2005 21:45
 File ID: 11M27035

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125

Report Number: L0505336

Report Date : May 24, 2005

00093919

Sample Number: L0505336-17
 Client ID: 29WW12-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/19/2005 21:45
 Cal Date: 05/19/2005 12:16
 Run Date: 05/19/2005 21:45
 File ID: 11M27035

Analyte	CAS. Number	Result	Qual	RL	MDL
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3	0.455	J	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250

Report Number: L0505336

Report Date : May 24, 2005

00093920

Sample Number: L0505336-17
 Client ID: 29WW12-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/19/2005 21:45
 Cal Date: 05/19/2005 12:16
 Run Date: 05/19/2005 21:45
 File ID: 11M27035

Analyte	CAS. Number	Result	Qual	RL	MDL
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-, p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	99.7	86	118		
1,2-Dichloroethane-d4	101	80	120		
Toluene-d8	103	88	110		
4-Bromofluorobenzene	96.5	86	115		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: L0505336-18
 Client ID: 29WW13-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/19/2005 22:16
 Cal Date: 05/19/2005 12:16
 Run Date: 05/19/2005 22:16
 File ID: 11M27036

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250

Report Number: L0505336

Report Date : May 24, 2005

00093921

Sample Number: L0505336-18
 Client ID: 29WW13-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/19/2005 22:16
 Cal Date: 05/19/2005 12:16
 Run Date: 05/19/2005 22:16
 File ID: 11M27036

Analyte	CAS. Number	Result	Qual	RL	MDL
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-, p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	102	86	118		
1,2-Dichloroethane-d4	103	80	120		
Toluene-d8	103	88	110		
4-Bromofluorobenzene	98.0	86	115		

U Not detected at or above adjusted sample detection limit

Report Number: L0505336

Report Date : May 24, 2005

00093922

Sample Number: L0505336-19
 Client ID: 29WW14-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/19/2005 22:46
 Cal Date: 05/19/2005 12:16
 Run Date: 05/19/2005 22:46
 File ID: 11M27037

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125

Report Number: L0505336

Report Date : May 24, 2005

00093923

Sample Number: L0505336-19
 Client ID: 29WW14-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/19/2005 22:46
 Cal Date: 05/19/2005 12:16
 Run Date: 05/19/2005 22:46
 File ID: 11M27037

Analyte	CAS. Number	Result	Qual	RL	MDL
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	103	86	118		
1,2-Dichloroethane-d4	105	80	120		
Toluene-d8	102	88	110		
4-Bromofluorobenzene	97.2	86	115		

U Not detected at or above adjusted sample detection limit

Sample Number: L0505336-20
 Client ID: 29WW18-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/19/2005 23:16
 Cal Date: 05/19/2005 12:16
 Run Date: 05/19/2005 23:16
 File ID: 11M27038

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250

32 of 39

Report Number: L0505336

Report Date : May 24, 2005

00093924

Sample Number: L0505336-20
 Client ID: 29WW18-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/19/2005 23:16
 Cal Date: 05/19/2005 12:16
 Run Date: 05/19/2005 23:16
 File ID: 11M27038

Analyte	CAS. Number	Result	Qual	RL	MDL
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2	1.34	J	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3	0.303	J	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50

Report Number: L0505336

Report Date : May 24, 2005

00093925

Sample Number: L0505336-20
 Client ID: 29WW18-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/19/2005 23:16
 Cal Date: 05/19/2005 12:16
 Run Date: 05/19/2005 23:16
 File ID: 11M27038

Analyte	CAS. Number	Result	Qual	RL	MDL
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	102	86	118		
1,2-Dichloroethane-d4	102	80	120		
Toluene-d8	101	88	110		
4-Bromofluorobenzene	96.9	86	115		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: L0505336-21
 Client ID: 29WW25-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/19/2005 23:46
 Cal Date: 05/19/2005 12:16
 Run Date: 05/19/2005 23:46
 File ID: 11M27039

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1	0.614	J	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3	0.935	J	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125

Report Number: L0505336

Report Date : May 24, 2005

00093926

Sample Number: L0505336-21
 Client ID: 29WW25-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/19/2005 23:46
 Cal Date: 05/19/2005 12:16
 Run Date: 05/19/2005 23:46
 File ID: 11M27039

Analyte	CAS. Number	Result	Qual	RL	MDL
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	99.5	86	118		
1,2-Dichloroethane-d4	100	80	120		
Toluene-d8	102	88	110		
4-Bromofluorobenzene	96.0	86	115		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Report Number: L0505336

Report Date : May 24, 2005

00093927

Sample Number: L0505336-22
 Client ID: 29WW27-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 00:16
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 00:16
 File ID: 11M27040

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1	0.634	J	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3	2.25		1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125

Report Number: L0505336

Report Date : May 24, 2005

00093928

Sample Number: L0505336-22
 Client ID: 29WW27-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 00:16
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 00:16
 File ID: 11M27040

Analyte	CAS. Number	Result	Qual	RL	MDL
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	103	86	118		
1,2-Dichloroethane-d4	105	80	120		
Toluene-d8	102	88	110		
4-Bromofluorobenzene	97.5	86	115		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: L0505336-23
 Client ID: 29WW28-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 00:46
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 00:46
 File ID: 11M27041

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125

37 of 39

Report Number: L0505336

Report Date : May 24, 2005

00093929

Sample Number: L0505336-23
 Client ID: 29WW28-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 00:46
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 00:46
 File ID: 11M27041

Analyte	CAS. Number	Result	Qual	RL	MDL
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250

Report Number: **L0505336**Report Date : **May 24, 2005****00093930**

Sample Number: L0505336-23	Prep Method: 5030B	Instrument: HPMS11
Client ID: 29WW28-MAY05	Analytical Method: 8260B	Prep Date: 05/20/2005 00:46
Matrix: Water	Analyst: CMS	Cal Date: 05/19/2005 12:16
Workgroup Number: WG189416	Dilution: 1	Run Date: 05/20/2005 00:46
Collect Date: 15-MAY-05	Units: ug/L	File ID: 11M27041
Sample Tag: 01		

Analyte	CAS. Number	Result	Qual	RL	MDL
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	101	86	118		
1,2-Dichloroethane-d4	105	80	120		
Toluene-d8	102	88	110		
4-Bromofluorobenzene	95.8	86	115		

U Not detected at or above adjusted sample detection limit

WORKGROUP SUMMARY BY METHOD

Analysis:Volatile Organics

Analytical Method:8260B

Workgroup:WG189367

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505336-01	051305-ER			05/19/05 20:46	01	HPMS10	MES
L0505336-02	051305-TB-2			05/19/05 16:08	01	HPMS10	MES
L0505336-03	051405-TB-1			05/19/05 17:09	01	HPMS10	MES
L0505336-04	051505-TB-1			05/19/05 17:40	01	HPMS10	MES
L0505336-05	29WW01-MAY05			05/19/05 21:17	01	HPMS10	MES
L0505336-06	29WW02-MAY05			05/19/05 21:48	01	HPMS10	MES
L0505336-14	29WW118-MAY05			05/19/05 18:42	01	HPMS10	MES
L0505336-15	29WW118-MAY05-MS			05/19/05 19:13	01	HPMS10	MES
L0505336-16	29WW118-MAY05-MSD			05/19/05 19:44	01	HPMS10	MES

Analysis:Volatile Organics

Extraction Method:5030B

Workgroup:WG189367

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505336-01	051305-ER				189367	HPMS10	MES
L0505336-02	051305-TB-2				189367	HPMS10	MES
L0505336-03	051405-TB-1				189367	HPMS10	MES
L0505336-04	051505-TB-1				189367	HPMS10	MES
L0505336-05	29WW01-MAY05				189367	HPMS10	MES
L0505336-06	29WW02-MAY05				189367	HPMS10	MES
L0505336-14	29WW118-MAY05				189367	HPMS10	MES
L0505336-15	29WW118-MAY05-MS				189367	HPMS10	MES
L0505336-16	29WW118-MAY05-MSD				189367	HPMS10	MES

Analysis:Volatile Organics

Analytical Method:8260B

Workgroup:WG189416

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505336-08	29WW07-MAY05			05/19/05 18:46	01	HPMS11	CMS
L0505336-09	29WW08-MAY05			05/19/05 19:16	01	HPMS11	CMS
L0505336-10	29WW11-MAY05			05/19/05 19:46	01	HPMS11	CMS
L0505336-11	29WW114-MAY05			05/19/05 20:15	01	HPMS11	CMS
L0505336-12	29WW116-MAY05			05/19/05 20:46	01	HPMS11	CMS
L0505336-13	29WW117-MAY05			05/19/05 21:15	01	HPMS11	CMS
L0505336-17	29WW12-MAY05			05/19/05 21:45	01	HPMS11	CMS
L0505336-18	29WW13-MAY05			05/19/05 22:16	01	HPMS11	CMS
L0505336-19	29WW14-MAY05			05/19/05 22:46	01	HPMS11	CMS
L0505336-20	29WW18-MAY05			05/19/05 23:16	01	HPMS11	CMS
L0505336-21	29WW25-MAY05			05/19/05 23:46	01	HPMS11	CMS
L0505336-22	29WW27-MAY05			05/20/05 00:16	01	HPMS11	CMS
L0505336-23	29WW28-MAY05			05/20/05 00:46	01	HPMS11	CMS

Analysis:Volatile Organics

Extraction Method:5030B

Workgroup:WG189416

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505336-08	29WW07-MAY05				189416	HPMS11	CMS
L0505336-09	29WW08-MAY05				189416	HPMS11	CMS
L0505336-10	29WW11-MAY05				189416	HPMS11	CMS
L0505336-11	29WW114-MAY05				189416	HPMS11	CMS
L0505336-12	29WW116-MAY05				189416	HPMS11	CMS
L0505336-13	29WW117-MAY05				189416	HPMS11	CMS
L0505336-17	29WW12-MAY05				189416	HPMS11	CMS
L0505336-18	29WW13-MAY05				189416	HPMS11	CMS
L0505336-19	29WW14-MAY05				189416	HPMS11	CMS
L0505336-20	29WW18-MAY05				189416	HPMS11	CMS
L0505336-21	29WW25-MAY05				189416	HPMS11	CMS
L0505336-22	29WW27-MAY05				189416	HPMS11	CMS
L0505336-23	29WW28-MAY05				189416	HPMS11	CMS

Analysis:Volatile Organics

Analytical Method:8260B

Workgroup:WG189445

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505336-07	29WW06-MAY05			05/20/05 11:36	01	HPMS10	MES

Analysis:Volatile Organics

Extraction Method:5030B

Workgroup:WG189445

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505336-07	29WW06-MAY05				189445	HPMS10	MES

Kemron Environmental Services
Analyst Listing May 24, 2005

AJF - AMANDA J. FICKIESEN	ALB - ANNIE L. BOCK	ALT - ANN L. THAYER
BRG - BRENDA R. GREGORY	CAF - CHERYL A. FLOWERS	CAK - CHERYL A. KOELSCH
CEB - CHAD E. BARNES	CLC - CHRYS L. CRAWFORD	CLK - CARL L. KING
CLS - CARA L. STRICKLER	CLW - CHARISSA L. WINTERS	CM - CHARLIE MARTIN
CMS - CRYSTAL M. STEPHENS	CPD - CHAD P. DAVIS	CRC - CARLA R. COCHRAN
CSH - CHRIS S. HILL	DAS - DALLAS A. SULLIVAN	DD - DIANE M. DENNIS
DDE - DEBRA D. ELLIOTT	DEL - DON E. LIGHTFRITZ	DEV - DAVID E. VANDENBERG
DGB - DOUGLAS G. BUTCHER	DIH - DEANNA I. HESSON	DLB - DAVID L. BUMGARNER
DLP - DOROTHY L. PAYNE	DLR - DIANNA L. RAUCH	DP - DEANNA L. PIERSON
DR - DEANNA ROBERTS	DRB - DOUG R. BARNETT	DSM - DAVID S. MOSSOR
DST - DENNIS S. TEPE	ECL - ERIC C. LAWSON	ED - EMILY E. DECKER
HAV - HEMA VILASAGAR	JAL - JOHN A. LENT	JJG - JOHN J. GREUEY
JKT - JANE K. THOMPSON	JLS - JANICE L. SCHIMMEL	JWR - JOHN W. RICHARDS
JWS - JACK W. SHEAVES	JYH - JI Y. HU	KEB - KATHRYN E. BARNES
KHR - KIM H. RHODES	KRA - KATHY R. ALBERTSON	LKN - LINDA K. NEDEFF
LSA - LUCINDA S. ARNOLD	LSB - LESLIE S. BUCINA	MAH - MICALYN A. HARRIS
MDA - MICHAEL D. ALBERTSON	MDC - MICHAEL D. COCHRAN	MES - MARY E. SCHILLING
MKZ - MARILYN K. ZUMBRO	MLR - MARY L. ROCHOTTE	MLS - MICHAEL L. SCHIMMEL
MMB - MAREN M. BEERY	MSW - MATT S. WILSON	NJB - NATALIE J. BOOTH
OGT - OKEY G. TUCKER	PAS - PATRICK A. STREET	RB - ROBERT BUCHANAN
RDC - REBECCA D. CUTLIP	REK - ROBERT E. KYER	RWC - RODNEY W. CAMPBELL
SCM - SUSAN C. MOELLENDICK	SK - SANDRA KEENER	SLM - STEPHANIE L. MOSSBURG
SLP - SHERI L. PFALZGRAF	SMH - SHAUNA M. HYDE	TD - TIMOTHY DYSERT
TMM - TAMMY M. MORRIS	VC - VICKI COLLIER	VKL - VICKY K. LAUER

KEMRON Environmental Services, Inc.

List of Valid Qualifiers

May 24, 2005

These are KEMRON's standard report qualifiers:

B	Present in the method blank	NS	Not spiked
C	Confirmed by GC/MS	P	Concentration >40% difference between the two GC columns
CG	Confluent growth		
D	The analyte was quantified as a secondary dilution factor	QNS	Quantity not sufficient to perform analysis
DL	Surrogate or spike was diluted out	RA	Reanalysis confirms reported results
		RE	Reanalysis confirms sample matrix interference
E	Estimated concentration due to sample matrix interference	S	Analyzed by method of standard addition
FL	Free liquid	SMI	Sample matrix interference on surrogate
I	Semi-quantitative result, out of instrument calibration range	SP	Reported results are for spike compounds only
J	Present below normal reporting limit	TNTC	Too numerous to count
L	Sample reporting limits elevated due to matrix interference	U	Analyzed for but not detected
N	Tentatively Identified Compound (TIC)	W	Post-digestion spike for furnace AA out of control limits
NA	Not applicable	X	Exceeds regulatory limit
ND	Not detected at or above the reporting limit (RL)	Z	Can not be resolved from isomer.***
NF	Not found	+	Correlation coefficient for the MSA is less than 0.995
NFL	No free liquid	<	Less than
NI	Non-ignitable	>	Greater than
		*	Surrogate or spike compound out of range

*****Special Notes for Organic Analytes**

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound and are matrix dependent.

AFCEE Qualifiers

These are KEMRON's AFCEE Report Qualifiers

- J** The analyte was positively identified, the quantitation is an estimation.
- U** The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL
- F** The analyte was positively identified by the associated numerical value is below the RL
- R** The data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria
- B** The analyte was found in an associated blank, as well as in the sample
- M** The matrix effect was present
- S** To be applied to all field screening data
- T** Tentatively identified compound (using GC/MS)

Organic QA/QC

VOA - GC/MS

Date: 4/23/05 Analyst: MES Method: (8260) (624)
 Instrument: HPMS10 Work Group: WG 187632

	Analyst
System Performance Check	
BFB	✓
Initial Calibration	✓
Average RF	✓
Linear Reg or Higher Order Curve	✓
Second Source standard % Difference	✓
Continuing Calibration / Check Standards	NA
Project / Client Specific Requirements	
Special Standards	
Blanks	
TCL's	
Surrogates	
LCS (Laboratory Control Sample)	
Recoveries	
Surrogates	
MS / MSD / Duplicates	
Samples	
TCL Hits	
Spectra of TCL Hits	
Surrogates	
Internal Standards Criteria	
Calculations & Correct Factors	
Dilutions Run	
Reruns	
Manual Integrations	
Excel Spreadsheets	✓
Case Narrative	✓
Narrative Summary	NA
Results Reporting / Data Qualifiers	
Client Data Package Assembly	
Check for Completeness	✓

Primary Reviewers Initials & Date Checked: mf 4/25/05

Secondary Reviewers Initials & Date Checked: Cur 4/25/05

Comments: _____

✓ = Checked & OK
 NA = Not Applicable

Date: 5/19/05 Analyst: CMS Method: 8260 624Instrument: HPMS11 Work Group: WG 189358, 189416

	Analyst
System Performance Check	✓
BFB	✓
Initial Calibration	✓
Average RF	✓
Linear Reg or Higher Order Curve	✓
Second Source standard % Difference	✓
Continuing Calibration / Check Standards	NA
Project / Client Specific Requirements	
Special Standards	
Blanks	
TCL's	
Surrogates	
LCS (Laboratory Control Sample)	
Recoveries	
Surrogates	
MS / MSD / Duplicates	
Samples	
TCL Hits	
Spectra of TCL Hits	
Surrogates	
Internal Standards Criteria	
Calculations & Correct Factors	
Dilutions Run	
Reruns	
Manual Integrations	✓
Excel Spreadsheets	✓
Case Narrative	NA
Narrative Summary	
Results Reporting / Data Qualifiers	
Client Data Package Assembly	
Check for Completeness	

Primary Reviewers Initials & Date Checked: CMS 5/20/05Secondary Reviewers Initials & Date Checked: CM 5/20/05

Comments: _____

✓ = Checked & OK
 NA = Not Applicable

VOA - GC/MS

Date: 5/19/05 Analyst: MES Method: 8260 624Instrument: HPMS10 Work Group: WG 189367

	Analyst
System Performance Check	✓
BFB	✓
Initial Calibration	✓
Average RF	✓
Linear Reg or Higher Order Curve	✓
Second Source standard % Difference	✓
Continuing Calibration / Check Standards	✓
Project / Client Specific Requirements	✓
Special Standards	✓
Blanks	NA
TCL's	✓
Surrogates	✓
LCS (Laboratory Control Sample)	✓
Recoveries	✓
Surrogates	✓
MS / MSD / Duplicates	✓
Samples	✓
TCL Hits	✓
Spectra of TCL Hits	✓
Surrogates	✓
Internal Standards Criteria	✓
Calculations & Correct Factors	✓
Dilutions Run	✓
Reruns	NA
Manual Integrations	✓
Excel Spreadsheets	✓
Case Narrative	✓
Narrative Summary	NA
Results Reporting / Data Qualifiers	✓
Client Data Package Assembly	✓
Check for Completeness	NA

Primary Reviewers Initials & Date Checked: mg 5/20/05Secondary Reviewers Initials & Date Checked: cm 5/20/05

Comments: _____

✓ = Checked & OK
 NA = Not Applicable

Date: 5/19/05 Analyst: CMS Method: 8260 624Instrument: HPMS11 Work Group: WG 189358, 189416

	Analyst
System Performance Check	✓
BFB	✓
Initial Calibration	✓
Average RF	✓
Linear Reg or Higher Order Curve	✓
Second Source standard % Difference	✓
Continuing Calibration / Check Standards	NA
Project / Client Specific Requirements	
Special Standards	
Blanks	
TCL's	
Surrogates	
LCS (Laboratory Control Sample)	
Recoveries	
Surrogates	
MS / MSD / Duplicates	
Samples	
TCL Hits	
Spectra of TCL Hits	
Surrogates	
Internal Standards Criteria	
Calculations & Correct Factors	
Dilutions Run	
Reruns	
Manual Integrations	✓
Excel Spreadsheets	✓
Case Narrative	NA
Narrative Summary	
Results Reporting / Data Qualifiers	
Client Data Package Assembly	
Check for Completeness	

Primary Reviewers Initials & Date Checked: CMS 5/20/05Secondary Reviewers Initials & Date Checked: CM 5/20/05

Comments: _____

✓ = Checked & OK
 NA = Not Applicable

Date: 5/20/05 Analyst: MES Method: (8260) 624Instrument: #PMS10 Work Group: WG 189445

System Performance Check	Analyst
BFB	✓
Initial Calibration	✓
Average RF	✓
Linear Reg or Higher Order Curve	✓
Second Source standard % Difference	✓
Continuing Calibration / Check Standards	✓
Project / Client Specific Requirements	✓
Special Standards	✓
Blanks	NA
TCL's	✓
Surrogates	✓
LCS (Laboratory Control Sample)	✓
Recoveries	✓
Surrogates	✓
MS / MSD / Duplicates	✓
Samples	✓
TCL Hits	✓
Spectra of TCL Hits	✓
Surrogates	✓
Internal Standards Criteria	✓
Calculations & Correct Factors	✓
Dilutions Run	NA
Reruns	✓
Manual Integrations	NA
Excel Spreadsheets	✓
Case Narrative	NA
Narrative Summary	✓
Results Reporting / Data Qualifiers	✓
Client Data Package Assembly	NA
Check for Completeness	✓

Primary Reviewers Initials & Date Checked: mg ^{5/23/05} 5/21/05 5/23/05Secondary Reviewers Initials & Date Checked: cm 5/23/05

Comments: _____

✓ = Checked & OK
NA = Not Applicable

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00093942

Analytical Method: 8260B
 Login Number: L0505336

AAB#: WG189367

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
051305-ER	05/13/05	05/17/05	05/19/05	14	6.16	05/19/05	14	6.16	
051305-TB-2	05/13/05	05/17/05	05/19/05	14	6.38	05/19/05	14	6.38	
051405-TB-1	05/14/05	05/17/05	05/19/05	14	5.42	05/19/05	14	5.42	
051505-TB-1	05/15/05	05/17/05	05/19/05	14	4.44	05/19/05	14	4.44	
29WW01-MAY05	05/13/05	05/17/05	05/19/05	14	6.20	05/19/05	14	6.20	
29WW02-MAY05	05/14/05	05/17/05	05/19/05	14	5.33	05/19/05	14	5.33	
29WW118-MAY05	05/15/05	05/17/05	05/19/05	14	4.39	05/19/05	14	4.39	
29WW118-MAY05-MS	05/15/05	05/17/05	05/19/05	14	4.41	05/19/05	14	4.41	
29WW118-MAY05-MSD	05/15/05	05/17/05	05/19/05	14	4.43	05/19/05	14	4.43	

* EXT = SEE PROJECT QAPP REQUIREMENTS

* ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00093943

Analytical Method: 8260B
Login Number: L0505336

AAB#: WG189416

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
29WW07-MAY05	05/14/05	05/17/05	05/19/05	14	5.28	05/19/05	14	5.28	
29WW08-MAY05	05/14/05	05/17/05	05/19/05	14	5.39	05/19/05	14	5.39	
29WW11-MAY05	05/14/05	05/17/05	05/19/05	14	5.37	05/19/05	14	5.37	
29WW114-MAY05	05/14/05	05/17/05	05/19/05	14	5.34	05/19/05	14	5.34	
29WW116-MAY05	05/14/05	05/17/05	05/19/05	14	5.29	05/19/05	14	5.29	
29WW117-MAY05	05/14/05	05/17/05	05/19/05	14	5.49	05/19/05	14	5.49	
29WW12-MAY05	05/15/05	05/17/05	05/19/05	14	4.53	05/19/05	14	4.53	
29WW13-MAY05	05/15/05	05/17/05	05/19/05	14	4.55	05/19/05	14	4.55	
29WW14-MAY05	05/14/05	05/17/05	05/19/05	14	5.23	05/19/05	14	5.23	
29WW18-MAY05	05/14/05	05/17/05	05/19/05	14	5.39	05/19/05	14	5.39	
29WW25-MAY05	05/14/05	05/17/05	05/19/05	14	5.57	05/19/05	14	5.57	
29WW27-MAY05	05/14/05	05/17/05	05/20/05	14	5.33	05/20/05	14	5.33	
29WW28-MAY05	05/15/05	05/17/05	05/20/05	14	4.63	05/20/05	14	4.63	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00093944

Analytical Method: 8260B
Login Number: L0505336

AAB#: WG189445

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
29WW06-MAY05	05/15/05	05/17/05	05/20/05	14	4.99	05/20/05	14	4.99	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

SURROGATE STANDARDS

Login Number:L0505336

Method:8260

Instrument Id:HPMS10

CAL ID: HPMS10 - 23-APR-05

Workgroup (AAB#):WG189367

Matrix:WATER

Sample Number	Dilution	Tag	1	2	3	4
L0505336-01	1.00	01	98.9	98.4	87.9	93.1
L0505336-02	1.00	01	95.2	94.5	90.6	93.5
L0505336-03	1.00	01	97.7	96.5	88.4	91.2
L0505336-04	1.00	01	98.5	95.5	89.7	92.5
L0505336-05	1.00	01	99.8	96.9	87.0	91.8
L0505336-06	1.00	01	102	97.3	89.2	92.6
L0505336-14	1.00	01	100	96.5	90.2	92.8
L0505336-15	1.00	01	99.1	97.8	86.8	90.9
L0505336-16	1.00	01	100	98.8	88.4	92.5
WG189367-01	1.00	01	96.1	96.5	89.8	93.6
WG189367-02	1.00	01	95.3	96.5	90.0	92.4
WG189367-06	1.00	01	96.5	95.3	87.0	91.7

Surrogates	Surrogate Limits
1 - 1,2-Dichloroethane-d4	80 - 120
2 - Dibromofluoromethane	86 - 118
3 - 4-Bromofluorobenzene	86 - 115
4 - Toluene-d8	88 - 110

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

SURROGATE STANDARDS

Login Number: L0505336
 Instrument Id: HPMS11
 Workgroup (AAB#): WG189416

Method: 8260
 CAL ID: HPMS11 - 19-MAY-05
 Matrix: WATER

Sample Number	Dilution	Tag	1	2	3	4
L0505336-08	1.00	01	97.9	101	96.8	102
L0505336-09	1.00	01	96.6	99.3	97.3	103
L0505336-10	1.00	01	102	101	97.0	103
L0505336-11	1.00	01	101	99.6	97.4	102
L0505336-12	1.00	01	101	101	97.7	103
L0505336-13	1.00	01	99.9	102	98.2	103
L0505336-17	1.00	01	101	99.7	96.5	103
L0505336-18	1.00	01	103	102	98.0	103
L0505336-19	1.00	01	105	103	97.2	102
L0505336-20	1.00	01	102	102	96.9	101
L0505336-21	1.00	01	100	99.5	96.0	102
L0505336-22	1.00	01	105	103	97.5	102
L0505336-23	1.00	01	105	101	95.8	102
WG189416-01	1.00	01	93.8	99.5	98.3	102
WG189416-02	1.00	01	94.0	98.3	98.2	101
WG189416-03	1.00	01	93.3	99.3	97.4	102
WG189416-04	1.00	01	96.4	99.4	98.4	101

Surrogates	Surrogate Limits		
1 - 1,2-Dichloroethane-d4	80	-	120
2 - Dibromofluoromethane	86	-	118
3 - 4-Bromofluorobenzene	86	-	115
4 - Toluene-d8	88	-	110

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

SURROGATE STANDARDS

Login Number: L0505336
Instrument Id: HPMS10
Workgroup (AAB#): WG189445

Method: 8260
CAL ID: HPMS10 - 23-APR-05
Matrix: WATER

Sample Number	Dilution	Tag	1	2	3	4
L0505336-07	1.00	01	92.6	94.6	87.9	93.2
WG189445-01	1.00	01	98.1	97.3	87.0	91.5
WG189445-02	1.00	01	96.8	98.8	88.2	91.5

Surrogates	Surrogate Limits
1 - 1,2-Dichloroethane-d4	80 - 120
2 - Dibromofluoromethane	86 - 118
3 - 4-Bromofluorobenzene	86 - 115
4 - Toluene-d8	88 - 110

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

Login Number: L0505336
Blank File ID: 10M38105
Date Analyzed: 05/19/05
Time Analyzed: 13:29
Analyst: MES

Work Group: WG189367
Blank Sample ID: WG189367-01
Instrument ID: HPMS10
Method: 8260B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG189367-02	10M38106	05/19/05 14:00	01
051305-TB-2	L0505336-02	10M38110	05/19/05 16:08	01
051405-TB-1	L0505336-03	10M38112	05/19/05 17:09	01
051505-TB-1	L0505336-04	10M38113	05/19/05 17:40	01
29WW118-MAY05	L0505336-14	10M38115	05/19/05 18:42	01
29WW118-MAY05-MS	L0505336-15	10M38116	05/19/05 19:13	01
29WW118-MAY05-MSD	L0505336-16	10M38117	05/19/05 19:44	01
051305-ER	L0505336-01	10M38119	05/19/05 20:46	01
29WW01-MAY05	L0505336-05	10M38120	05/19/05 21:17	01
29WW02-MAY05	L0505336-06	10M38121	05/19/05 21:48	01
BLANK2	WG189367-06	10M38127	05/20/05 00:55	01

Login Number: L0505336
Blank File ID: 11M27024
Date Analyzed: 05/19/05
Time Analyzed: 16:16
Analyst: CMS

Work Group: WG189416
Blank Sample ID: WG189416-01
Instrument ID: HPMS11
Method: 8260B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG189416-02	11M27025	05/19/05 16:46	01
LCS2	WG189416-03	11M27026	05/19/05 17:16	01
FBLK	WG189416-04	11M27027	05/19/05 17:46	01
29WW07-MAY05	L0505336-08	11M27029	05/19/05 18:46	01
29WW08-MAY05	L0505336-09	11M27030	05/19/05 19:16	01
29WW11-MAY05	L0505336-10	11M27031	05/19/05 19:46	01
29WW114-MAY05	L0505336-11	11M27032	05/19/05 20:15	01
29WW116-MAY05	L0505336-12	11M27033	05/19/05 20:46	01
29WW117-MAY05	L0505336-13	11M27034	05/19/05 21:15	01
29WW12-MAY05	L0505336-17	11M27035	05/19/05 21:45	01
29WW13-MAY05	L0505336-18	11M27036	05/19/05 22:16	01
29WW14-MAY05	L0505336-19	11M27037	05/19/05 22:46	01
29WW18-MAY05	L0505336-20	11M27038	05/19/05 23:16	01
29WW25-MAY05	L0505336-21	11M27039	05/19/05 23:46	01
29WW27-MAY05	L0505336-22	11M27040	05/20/05 00:16	01
29WW28-MAY05	L0505336-23	11M27041	05/20/05 00:46	01

Login Number: L0505336
Blank File ID: 10M38135
Date Analyzed: 05/20/05
Time Analyzed: 10:03
Analyst: MES

Work Group: WG189445
Blank Sample ID: WG189445-01
Instrument ID: HPMS10
Method: 8260B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG189445-02	10M38136	05/20/05 10:34	01
29WW06-MAY05	L0505336-07	10M38138	05/20/05 11:36	01

Login Number: L0505336	Run Date: 05/19/2005	Sample ID: WG189367-01
Instrument ID: HPMS10	Run Time: 13:29	Prep Method: 5030B
File ID: 10M38105	Analyst: MES	Method: 8260B
Workgroup (AAB#): WG189367	Matrix: Water	Units: ug/L
Contract #: DACA56-94-D-0020	Cal ID: HPMS10 - 23-APR-05	

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Acetone	2.50	10.0	2.50	1	U
Benzene	0.125	1.00	0.125	1	U
Bromobenzene	0.125	1.00	0.125	1	U
Bromochloromethane	0.200	1.00	0.200	1	U
Bromodichloromethane	0.250	1.00	0.250	1	U
Bromoform	0.540	1.00	0.540	1	U
Bromomethane	0.500	1.00	0.500	1	U
2-Butanone	2.50	10.0	2.50	1	U
n-Butylbenzene	0.250	1.00	0.250	1	U
sec-Butylbenzene	0.250	1.00	0.250	1	U
tert-Butylbenzene	0.250	1.00	0.250	1	U
Carbon disulfide	0.500	1.00	0.500	1	U
Carbon tetrachloride	0.250	1.00	0.250	1	U
Chlorobenzene	0.125	1.00	0.125	1	U
Chlorodibromomethane	0.250	1.00	0.250	1	U
Chloroethane	0.500	1.00	0.500	1	U
2-Chloroethyl vinyl ether	2.00	10.0	2.00	1	U
Chloroform	0.125	1.00	0.125	1	U
Chloromethane	0.250	1.00	0.250	1	U
2-Chlorotoluene	0.125	1.00	0.125	1	U
4-Chlorotoluene	0.250	1.00	0.250	1	U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1	U
1,2-Dibromoethane	0.250	1.00	0.250	1	U
Dibromomethane	0.250	1.00	0.250	1	U
1,2-Dichlorobenzene	0.125	1.00	0.125	1	U
1,3-Dichlorobenzene	0.250	1.00	0.250	1	U
1,4-Dichlorobenzene	0.125	1.00	0.125	1	U
Dichlorodifluoromethane	0.250	1.00	0.250	1	U
1,1-Dichloroethane	0.125	1.00	0.125	1	U
1,2-Dichloroethane	0.250	1.00	0.250	1	U
1,1-Dichloroethene	0.500	1.00	0.500	1	U
cis-1,2-Dichloroethene	0.250	1.00	0.250	1	U
trans-1,2-Dichloroethene	0.250	1.00	0.250	1	U
1,2-Dichloropropane	0.125	1.00	0.125	1	U
1,3-Dichloropropane	0.200	1.00	0.200	1	U
2,2-Dichloropropane	0.250	1.00	0.250	1	U
cis-1,3-Dichloropropene	0.250	1.00	0.250	1	U
trans-1,3-Dichloropropene	0.500	1.00	0.500	1	U
1,1-Dichloropropene	0.250	1.00	0.250	1	U
Ethylbenzene	0.250	1.00	0.250	1	U
2-Hexanone	2.50	10.0	2.50	1	U
Hexachlorobutadiene	0.250	1.00	0.250	1	U

KEMRON FORMS - Modified 05/17/2005
Version 1.5 PDF File ID: 240313
Report generated 05/24/2005 13:08

Login Number: L0505336 Run Date: 05/19/2005 Sample ID: WG189367-01
 Instrument ID: HPMS10 Run Time: 13:29 Prep Method: 5030B
 File ID: 10M38105 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG189367 Matrix: Water Units: ug/L
 Contract #: Cal ID: HPMS10 - 23-APR-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Isopropylbenzene	0.250	1.00	0.250	1	U
p-Isopropyltoluene	0.250	1.00	0.250	1	U
4-Methyl-2-pentanone	2.50	10.0	2.50	1	U
Methylene chloride	0.250	5.00	0.250	1	U
Naphthalene	0.200	1.00	0.200	1	U
n-Propylbenzene	0.125	1.00	0.125	1	U
Styrene	0.125	1.00	0.125	1	U
1,1,1,2-Tetrachloroethane	0.250	1.00	0.250	1	U
1,1,2,2-Tetrachloroethane	0.125	1.00	0.125	1	U
Tetrachloroethene	0.250	1.00	0.250	1	U
Toluene	0.250	1.00	0.250	1	U
1,2,3-Trichlorobenzene	0.125	1.00	0.125	1	U
1,2,4-Trichlorobenzene	0.200	1.00	0.200	1	U
1,1,1-Trichloroethane	0.250	1.00	0.250	1	U
1,1,2-Trichloroethane	0.250	1.00	0.250	1	U
Trichloroethene	0.250	1.00	0.250	1	U
Trichlorofluoromethane	0.250	1.00	0.250	1	U
1,2,3-Trichloropropane	0.750	1.00	0.750	1	U
1,2,4-Trimethylbenzene	0.250	1.00	0.250	1	U
1,3,5-Trimethylbenzene	0.250	1.00	0.250	1	U
Vinyl acetate	2.50	10.0	2.50	1	U
Vinyl chloride	0.250	1.00	0.250	1	U
o-Xylene	0.250	1.00	0.250	1	U
m-,p-Xylene	0.500	1.00	0.500	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	96.5	86 - 118	PASS
1,2-Dichloroethane-d4	96.1	80 - 120	PASS
Toluene-d8	93.6	88 - 110	PASS
4-Bromofluorobenzene	89.8	86 - 115	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

ND Analyte Not detected at or above reporting limit

Login Number: L0505336	Run Date: 05/20/2005	Sample ID: WG189367-06
Instrument ID: HPMS10	Run Time: 00:55	Prep Method: 5030B
File ID: 10M38127	Analyst: MES	Method: 8260B
Workgroup (AAB#): WG189367	Matrix: Water	Units: ug/L
Contract #: DACA56-94-D-0020	Cal ID: HPMS10 - 23-APR-05	

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Acetone	2.50	10.0	2.50	1	U
Benzene	0.125	1.00	0.125	1	U
Bromobenzene	0.125	1.00	0.125	1	U
Bromochloromethane	0.200	1.00	0.200	1	U
Bromodichloromethane	0.250	1.00	0.250	1	U
Bromoform	0.540	1.00	0.540	1	U
Bromomethane	0.500	1.00	0.500	1	U
2-Butanone	2.50	10.0	2.50	1	U
n-Butylbenzene	0.250	1.00	0.250	1	U
sec-Butylbenzene	0.250	1.00	0.250	1	U
tert-Butylbenzene	0.250	1.00	0.250	1	U
Carbon disulfide	0.500	1.00	0.500	1	U
Carbon tetrachloride	0.250	1.00	0.250	1	U
Chlorobenzene	0.125	1.00	0.125	1	U
Chlorodibromomethane	0.250	1.00	0.250	1	U
Chloroethane	0.500	1.00	0.500	1	U
2-Chloroethyl vinyl ether	2.00	10.0	2.00	1	U
Chloroform	0.125	1.00	0.125	1	U
Chloromethane	0.250	1.00	0.250	1	U
2-Chlorotoluene	0.125	1.00	0.125	1	U
4-Chlorotoluene	0.250	1.00	0.250	1	U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1	U
1,2-Dibromoethane	0.250	1.00	0.250	1	U
Dibromomethane	0.250	1.00	0.250	1	U
1,2-Dichlorobenzene	0.125	1.00	0.125	1	U
1,3-Dichlorobenzene	0.250	1.00	0.250	1	U
1,4-Dichlorobenzene	0.125	1.00	0.125	1	U
Dichlorodifluoromethane	0.250	1.00	0.250	1	U
1,1-Dichloroethane	0.125	1.00	0.125	1	U
1,2-Dichloroethane	0.250	1.00	0.250	1	U
1,1-Dichloroethene	0.500	1.00	0.500	1	U
cis-1,2-Dichloroethene	0.250	1.00	0.250	1	U
trans-1,2-Dichloroethene	0.250	1.00	0.250	1	U
1,2-Dichloropropane	0.125	1.00	0.125	1	U
1,3-Dichloropropane	0.200	1.00	0.200	1	U
2,2-Dichloropropane	0.250	1.00	0.250	1	U
cis-1,3-Dichloropropene	0.250	1.00	0.250	1	U
trans-1,3-Dichloropropene	0.500	1.00	0.500	1	U
1,1-Dichloropropene	0.250	1.00	0.250	1	U
Ethylbenzene	0.250	1.00	0.250	1	U
2-Hexanone	2.50	10.0	2.50	1	U
Hexachlorobutadiene	0.250	1.00	0.250	1	U

KEMRON FORMS - Modified 05/17/2005
Version 1.5 PDF File ID: 240313
Report generated 05/24/2005 13:08

Login Number: L0505336 Run Date: 05/20/2005 Sample ID: WG189367-06
 Instrument ID: HPMS10 Run Time: 00:55 Prep Method: 5030B
 File ID: 10M38127 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG189367 Matrix: Water Units: ug/L
 Contract #: Cal ID: HPMS10 - 23-APR-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Isopropylbenzene	0.250	1.00	0.250	1	U
p-Isopropyltoluene	0.250	1.00	0.250	1	U
4-Methyl-2-pentanone	2.50	10.0	2.50	1	U
Methylene chloride	0.250	5.00	0.250	1	U
Naphthalene	0.200	1.00	0.200	1	U
n-Propylbenzene	0.125	1.00	0.125	1	U
Styrene	0.125	1.00	0.125	1	U
1,1,1,2-Tetrachloroethane	0.250	1.00	0.250	1	U
1,1,2,2-Tetrachloroethane	0.125	1.00	0.125	1	U
Tetrachloroethene	0.250	1.00	0.250	1	U
Toluene	0.250	1.00	0.250	1	U
1,2,3-Trichlorobenzene	0.125	1.00	0.125	1	U
1,2,4-Trichlorobenzene	0.200	1.00	0.200	1	U
1,1,1-Trichloroethane	0.250	1.00	0.250	1	U
1,1,2-Trichloroethane	0.250	1.00	0.250	1	U
Trichloroethene	0.250	1.00	0.250	1	U
Trichlorofluoromethane	0.250	1.00	0.250	1	U
1,2,3-Trichloropropane	0.750	1.00	0.750	1	U
1,2,4-Trimethylbenzene	0.250	1.00	0.250	1	U
1,3,5-Trimethylbenzene	0.250	1.00	0.250	1	U
Vinyl acetate	2.50	10.0	2.50	1	U
Vinyl chloride	0.250	1.00	0.250	1	U
o-Xylene	0.250	1.00	0.250	1	U
m-,p-Xylene	0.500	1.00	0.500	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	95.3	86 - 118	PASS
1,2-Dichloroethane-d4	96.5	80 - 120	PASS
Toluene-d8	91.7	88 - 110	PASS
4-Bromofluorobenzene	87.0	86 - 115	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

ND Analyte Not detected at or above reporting limit

Login Number: L0505336	Run Date: 05/19/2005	Sample ID: WG189416-01
Instrument ID: HPMS11	Run Time: 16:16	Prep Method: 5030B
File ID: 11M27024	Analyst: CMS	Method: 8260B
Workgroup (AAB#): WG189416	Matrix: Water	Units: ug/L
Contract #: DACA56-94-D-0020	Cal ID: HPMS11-19-MAY-05	

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Acetone	2.50	10.0	2.50	1	U
Benzene	0.125	1.00	0.125	1	U
Bromobenzene	0.125	1.00	0.125	1	U
Bromochloromethane	0.200	1.00	0.200	1	U
Bromodichloromethane	0.250	1.00	0.250	1	U
Bromoform	0.540	1.00	0.540	1	U
Bromomethane	0.500	1.00	0.500	1	U
2-Butanone	2.50	10.0	2.50	1	U
n-Butylbenzene	0.250	1.00	0.250	1	U
sec-Butylbenzene	0.250	1.00	0.250	1	U
tert-Butylbenzene	0.250	1.00	0.250	1	U
Carbon disulfide	0.500	1.00	0.500	1	U
Carbon tetrachloride	0.250	1.00	0.250	1	U
Chlorobenzene	0.125	1.00	0.125	1	U
Chlorodibromomethane	0.250	1.00	0.250	1	U
Chloroethane	0.500	1.00	0.500	1	U
2-Chloroethyl vinyl ether	2.00	10.0	2.00	1	U
Chloroform	0.125	1.00	0.125	1	U
Chloromethane	0.250	1.00	0.250	1	U
2-Chlorotoluene	0.125	1.00	0.125	1	U
4-Chlorotoluene	0.250	1.00	0.250	1	U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1	U
1,2-Dibromoethane	0.250	1.00	0.250	1	U
Dibromomethane	0.250	1.00	0.250	1	U
1,2-Dichlorobenzene	0.125	1.00	0.125	1	U
1,3-Dichlorobenzene	0.250	1.00	0.250	1	U
1,4-Dichlorobenzene	0.125	1.00	0.125	1	U
Dichlorodifluoromethane	0.250	1.00	0.250	1	U
1,1-Dichloroethane	0.125	1.00	0.125	1	U
1,2-Dichloroethane	0.250	1.00	0.250	1	U
1,1-Dichloroethene	0.500	1.00	0.500	1	U
cis-1,2-Dichloroethene	0.250	1.00	0.250	1	U
trans-1,2-Dichloroethene	0.250	1.00	0.250	1	U
1,2-Dichloropropane	0.125	1.00	0.125	1	U
1,3-Dichloropropane	0.200	1.00	0.200	1	U
2,2-Dichloropropane	0.250	1.00	0.250	1	U
cis-1,3-Dichloropropene	0.250	1.00	0.250	1	U
trans-1,3-Dichloropropene	0.500	1.00	0.500	1	U
1,1-Dichloropropene	0.250	1.00	0.250	1	U
Ethylbenzene	0.250	1.00	0.250	1	U
2-Hexanone	2.50	10.0	2.50	1	U
Hexachlorobutadiene	0.250	1.00	0.455	1	J

KEMRON FORMS - Modified 05/17/2005
Version 1.5 PDF File ID: 240313
Report generated 05/24/2005 13:08

Login Number: L0505336 Run Date: 05/19/2005 Sample ID: WG189416-01
 Instrument ID: HPMS11 Run Time: 16:16 Prep Method: 5030B
 File ID: 11M27024 Analyst: CMS Method: 8260B
 Workgroup (AAB#): WG189416 Matrix: Water Units: ug/L
 Contract #: Cal ID: HPMS11 - 19-MAY-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Isopropylbenzene	0.250	1.00	0.250	1	U
p-Isopropyltoluene	0.250	1.00	0.250	1	U
4-Methyl-2-pentanone	2.50	10.0	2.50	1	U
Methylene chloride	0.250	5.00	0.250	1	U
Naphthalene	0.200	1.00	0.584	1	J
n-Propylbenzene	0.125	1.00	0.125	1	U
Styrene	0.125	1.00	0.125	1	U
1,1,1,2-Tetrachloroethane	0.250	1.00	0.250	1	U
1,1,2,2-Tetrachloroethane	0.125	1.00	0.125	1	U
Tetrachloroethene	0.250	1.00	0.250	1	U
Toluene	0.250	1.00	0.250	1	U
1,2,3-Trichlorobenzene	0.125	1.00	0.598	1	J
1,2,4-Trichlorobenzene	0.200	1.00	0.366	1	J
1,1,1-Trichloroethane	0.250	1.00	0.250	1	U
1,1,2-Trichloroethane	0.250	1.00	0.250	1	U
Trichloroethene	0.250	1.00	0.250	1	U
Trichlorofluoromethane	0.250	1.00	0.250	1	U
1,2,3-Trichloropropane	0.750	1.00	0.750	1	U
1,2,4-Trimethylbenzene	0.250	1.00	0.250	1	U
1,3,5-Trimethylbenzene	0.250	1.00	0.250	1	U
Vinyl acetate	2.50	10.0	2.50	1	U
Vinyl chloride	0.250	1.00	0.250	1	U
o-Xylene	0.250	1.00	0.250	1	U
m-,p-Xylene	0.500	1.00	0.500	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	99.5	86 - 118	PASS
1,2-Dichloroethane-d4	93.8	80 - 120	PASS
Toluene-d8	102	88 - 110	PASS
4-Bromofluorobenzene	98.3	86 - 115	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

ND Analyte Not detected at or above reporting limit

Login Number: L0505336 Run Date: 05/20/2005 Sample ID: WG189445-01
 Instrument ID: HPMS10 Run Time: 10:03 Prep Method: 5030B
 File ID: 10M38135 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG189445 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS10 - 23-APR-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Acetone	2.50	10.0	2.50	1	U
Benzene	0.125	1.00	0.125	1	U
Bromobenzene	0.125	1.00	0.125	1	U
Bromochloromethane	0.200	1.00	0.200	1	U
Bromodichloromethane	0.250	1.00	0.250	1	U
Bromoform	0.540	1.00	0.540	1	U
Bromomethane	0.500	1.00	0.500	1	U
2-Butanone	2.50	10.0	2.50	1	U
n-Butylbenzene	0.250	1.00	0.250	1	U
sec-Butylbenzene	0.250	1.00	0.250	1	U
tert-Butylbenzene	0.250	1.00	0.250	1	U
Carbon disulfide	0.500	1.00	0.500	1	U
Carbon tetrachloride	0.250	1.00	0.250	1	U
Chlorobenzene	0.125	1.00	0.125	1	U
Chlorodibromomethane	0.250	1.00	0.250	1	U
Chloroethane	0.500	1.00	0.500	1	U
2-Chloroethyl vinyl ether	2.00	10.0	2.00	1	U
Chloroform	0.125	1.00	0.125	1	U
Chloromethane	0.250	1.00	0.250	1	U
2-Chlorotoluene	0.125	1.00	0.125	1	U
4-Chlorotoluene	0.250	1.00	0.250	1	U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1	U
1,2-Dibromoethane	0.250	1.00	0.250	1	U
Dibromomethane	0.250	1.00	0.250	1	U
1,2-Dichlorobenzene	0.125	1.00	0.125	1	U
1,3-Dichlorobenzene	0.250	1.00	0.250	1	U
1,4-Dichlorobenzene	0.125	1.00	0.125	1	U
Dichlorodifluoromethane	0.250	1.00	0.250	1	U
1,1-Dichloroethane	0.125	1.00	0.125	1	U
1,2-Dichloroethane	0.250	1.00	0.250	1	U
1,1-Dichloroethene	0.500	1.00	0.500	1	U
cis-1,2-Dichloroethene	0.250	1.00	0.250	1	U
trans-1,2-Dichloroethene	0.250	1.00	0.250	1	U
1,2-Dichloropropane	0.125	1.00	0.125	1	U
1,3-Dichloropropane	0.200	1.00	0.200	1	U
2,2-Dichloropropane	0.250	1.00	0.250	1	U
cis-1,3-Dichloropropene	0.250	1.00	0.250	1	U
trans-1,3-Dichloropropene	0.500	1.00	0.500	1	U
1,1-Dichloropropene	0.250	1.00	0.250	1	U
Ethylbenzene	0.250	1.00	0.250	1	U
2-Hexanone	2.50	10.0	2.50	1	U
Hexachlorobutadiene	0.250	1.00	0.250	1	U

KEMRON FORMS - Modified 05/17/2005
 Version 1.5 PDF File ID: 240313
 Report generated 05/24/2005 13:08

Login Number: L0505336 Run Date: 05/20/2005 Sample ID: WG189445-01
 Instrument ID: HPMS10 Run Time: 10:03 Prep Method: 5030B
 File ID: 10M38135 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG189445 Matrix: Water Units: ug/L
 Contract #: Cal ID: HPMS10 - 23-APR-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Isopropylbenzene	0.250	1.00	0.250	1	U
p-Isopropyltoluene	0.250	1.00	0.250	1	U
4-Methyl-2-pentanone	2.50	10.0	2.50	1	U
Methylene chloride	0.250	5.00	0.250	1	U
Naphthalene	0.200	1.00	0.200	1	U
n-Propylbenzene	0.125	1.00	0.125	1	U
Styrene	0.125	1.00	0.125	1	U
1,1,1,2-Tetrachloroethane	0.250	1.00	0.250	1	U
1,1,2,2-Tetrachloroethane	0.125	1.00	0.125	1	U
Tetrachloroethene	0.250	1.00	0.250	1	U
Toluene	0.250	1.00	0.250	1	U
1,2,3-Trichlorobenzene	0.125	1.00	0.125	1	U
1,2,4-Trichlorobenzene	0.200	1.00	0.200	1	U
1,1,1-Trichloroethane	0.250	1.00	0.250	1	U
1,1,2-Trichloroethane	0.250	1.00	0.250	1	U
Trichloroethene	0.250	1.00	0.250	1	U
Trichlorofluoromethane	0.250	1.00	0.250	1	U
1,2,3-Trichloropropane	0.750	1.00	0.750	1	U
1,2,4-Trimethylbenzene	0.250	1.00	0.250	1	U
1,3,5-Trimethylbenzene	0.250	1.00	0.250	1	U
Vinyl acetate	2.50	10.0	2.50	1	U
Vinyl chloride	0.250	1.00	0.250	1	U
o-Xylene	0.250	1.00	0.250	1	U
m-,p-Xylene	0.500	1.00	0.500	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	97.3	86 - 118	PASS
1,2-Dichloroethane-d4	98.1	80 - 120	PASS
Toluene-d8	91.5	88 - 110	PASS
4-Bromofluorobenzene	87.0	86 - 115	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

ND Analyte Not detected at or above reporting limit

Login Number: L0505336 Run Date: 05/19/2005 Sample ID: WG189367-02
 Instrument ID: HPMS10 Run Time: 14:00 Prep Method: 5030B
 File ID: 10M38106 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG189367 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS10 - 23-APR-2005

Analytes	Expected	Found	% Rec	LCS Limits			Q
Acetone	20.0	18.6	92.8	40	-	142	
Benzene	20.0	21.0	105	80	-	121	
Bromobenzene	20.0	21.2	106	80	-	120	
Bromochloromethane	20.0	21.5	107	80	-	124	
Bromodichloromethane	20.0	22.6	113	80	-	131	
Bromoform	20.0	20.0	99.9	74	-	130	
Bromomethane	20.0	22.5	112	61	-	151	
2-Butanone	20.0	18.4	92.0	58	-	149	
n-Butylbenzene	20.0	21.1	106	80	-	131	
sec-Butylbenzene	20.0	21.3	106	80	-	127	
tert-Butylbenzene	20.0	21.0	105	80	-	126	
Carbon disulfide	20.0	20.9	105	58	-	138	
Carbon tetrachloride	20.0	22.7	113	80	-	137	
Chlorobenzene	20.0	20.9	104	80	-	120	
Chlorodibromomethane	20.0	20.3	101	80	-	127	
Chloroethane	20.0	20.5	103	77	-	133	
2-Chloroethyl vinyl ether	20.0	23.0	115	10	-	211	
Chloroform	20.0	21.5	107	80	-	125	
Chloromethane	20.0	22.2	111	60	-	130	
2-Chlorotoluene	20.0	20.7	104	80	-	127	
4-Chlorotoluene	20.0	21.0	105	80	-	126	
1,2-Dibromo-3-chloropropane	20.0	18.6	93.2	65	-	129	
1,2-Dibromoethane	20.0	20.7	103	80	-	125	
Dibromomethane	20.0	20.7	103	80	-	126	
1,2-Dichlorobenzene	20.0	20.5	103	80	-	125	
1,3-Dichlorobenzene	20.0	20.9	104	80	-	120	
1,4-Dichlorobenzene	20.0	20.3	102	80	-	120	
Dichlorodifluoromethane	20.0	24.6	123	50	-	133	
1,1-Dichloroethane	20.0	20.5	102	80	-	125	
1,2-Dichloroethane	20.0	21.3	106	80	-	129	
1,1-Dichloroethene	20.0	20.4	102	80	-	132	
cis-1,2-Dichloroethene	20.0	20.9	104	80	-	121	
trans-1,2-Dichloroethene	20.0	21.1	106	80	-	127	
1,2-Dichloropropane	20.0	20.3	101	80	-	120	
1,3-Dichloropropane	20.0	19.5	97.3	80	-	120	
2,2-Dichloropropane	20.0	24.1	121	80	-	133	
cis-1,3-Dichloropropene	20.0	21.6	108	80	-	132	
trans-1,3-Dichloropropene	20.0	22.5	113	80	-	130	
1,1-Dichloropropene	20.0	20.5	103	74	-	139	
Ethylbenzene	20.0	21.3	107	80	-	122	
2-Hexanone	20.0	16.8	84.1	56	-	136	

Login Number: L0505336 Run Date: 05/19/2005 Sample ID: WG189367-02
 Instrument ID: HPMS10 Run Time: 14:00 Prep Method: 5030B
 File ID: 10M38106 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG189367 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS10 - 23-APR-2005

Analytes	Expected	Found	% Rec	LCS Limits	Q
Hexachlorobutadiene	20.0	22.6	113	72 - 132	
Isopropylbenzene	20.0	22.7	113	80 - 122	
p-Isopropyltoluene	20.0	21.7	108	80 - 122	
4-Methyl-2-pentanone	20.0	18.1	90.6	64 - 140	
Methylene chloride	20.0	19.5	97.6	80 - 123	
Naphthalene	20.0	20.3	102	59 - 149	
n-Propylbenzene	20.0	20.6	103	80 - 129	
Styrene	20.0	21.3	107	80 - 123	
1,1,1,2-Tetrachloroethane	20.0	24.2	121	80 - 130	
1,1,2,2-Tetrachloroethane	20.0	18.9	94.5	79 - 125	
Tetrachloroethene	20.0	21.8	109	80 - 124	
Toluene	20.0	21.1	105	80 - 124	
1,2,3-Trichlorobenzene	20.0	23.5	118	62 - 140	
1,2,4-Trichlorobenzene	20.0	21.3	106	77 - 131	
1,1,1-Trichloroethane	20.0	23.7	119	80 - 134	
1,1,2-Trichloroethane	20.0	19.8	98.8	80 - 125	
Trichloroethene	20.0	21.1	106	80 - 122	
Trichlorofluoromethane	20.0	23.3	117	62 - 151	
1,2,3-Trichloropropane	20.0	20.0	99.8	80 - 126	
1,2,4-Trimethylbenzene	20.0	20.9	104	80 - 125	
1,3,5-Trimethylbenzene	20.0	21.4	107	80 - 127	
Vinyl acetate	20.0	20.6	103	10 - 285	
Vinyl chloride	20.0	23.5	117	65 - 140	
o-Xylene	20.0	21.6	108	80 - 122	
m-, p-Xylene	40.0	42.7	107	80 - 122	

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	96.5	86 - 118	PASS
1,2-Dichloroethane-d4	95.3	80 - 120	PASS
Toluene-d8	92.4	88 - 110	PASS
4-Bromofluorobenzene	90.0	86 - 115	PASS

* FAILS %REC LIMIT

Login Number: L0505336 Run Date: 05/19/2005 Sample ID: WG189416-02
 Instrument ID: HPMS11 Run Time: 16:46 Prep Method: 5030B
 File ID: 11M27025 Analyst: CMS Method: 8260B
 Workgroup (AAB#): WG189416 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS11-19-MAY-2005

Analytes	Expected	Found	% Rec	LCS Limits	Q
Acetone	20.0	17.6	88.0	40 - 142	
Benzene	20.0	20.4	102	80 - 121	
Bromobenzene	20.0	20.8	104	80 - 120	
Bromochloromethane	20.0	21.4	107	80 - 124	
Bromodichloromethane	20.0	23.2	116	80 - 131	
Bromoform	20.0	17.8	88.9	74 - 130	
Bromomethane	20.0	19.5	97.3	61 - 151	
2-Butanone	20.0	18.3	91.6	58 - 149	
n-Butylbenzene	20.0	20.9	105	80 - 131	
sec-Butylbenzene	20.0	21.1	105	80 - 127	
tert-Butylbenzene	20.0	20.7	104	80 - 126	
Carbon disulfide	20.0	19.8	99.1	58 - 138	
Carbon tetrachloride	20.0	18.5	92.7	80 - 137	
Chlorobenzene	20.0	21.2	106	80 - 120	
Chlorodibromomethane	20.0	19.2	96.0	80 - 127	
Chloroethane	20.0	20.0	100	77 - 133	
2-Chloroethyl vinyl ether	20.0	21.7	108	10 - 211	
Chloroform	20.0	21.3	106	80 - 125	
Chloromethane	20.0	19.3	96.7	60 - 130	
2-Chlorotoluene	20.0	20.8	104	80 - 127	
4-Chlorotoluene	20.0	22.0	110	80 - 126	
1,2-Dibromo-3-chloropropane	20.0	19.7	98.7	65 - 129	
1,2-Dibromoethane	20.0	21.3	107	80 - 125	
Dibromomethane	20.0	20.5	103	80 - 126	
1,2-Dichlorobenzene	20.0	20.6	103	80 - 125	
1,3-Dichlorobenzene	20.0	20.3	101	80 - 120	
1,4-Dichlorobenzene	20.0	20.4	102	80 - 120	
Dichlorodifluoromethane	20.0	27.9	140	50 - 133	*
1,1-Dichloroethane	20.0	20.2	101	80 - 125	
1,2-Dichloroethane	20.0	20.7	103	80 - 129	
1,1-Dichloroethene	20.0	19.9	99.3	80 - 132	
cis-1,2-Dichloroethene	20.0	20.6	103	80 - 121	
trans-1,2-Dichloroethene	20.0	20.3	101	80 - 127	
1,2-Dichloropropane	20.0	20.4	102	80 - 120	
1,3-Dichloropropane	20.0	20.6	103	80 - 120	
2,2-Dichloropropane	20.0	20.9	105	80 - 133	
cis-1,3-Dichloropropene	20.0	22.2	111	80 - 132	
trans-1,3-Dichloropropene	20.0	22.1	110	80 - 130	
1,1-Dichloropropene	20.0	21.1	105	74 - 139	
Ethylbenzene	20.0	20.8	104	80 - 122	
2-Hexanone	20.0	17.8	89.2	56 - 136	

Login Number: L0505336 Run Date: 05/19/2005 Sample ID: WG189416-02
 Instrument ID: HPMS11 Run Time: 16:46 Prep Method: 5030B
 File ID: 11M27025 Analyst: CMS Method: 8260B
 Workgroup (AAB#): WG189416 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS11-19-MAY-2005

Analytes	Expected	Found	% Rec	LCS Limits	Q
Hexachlorobutadiene	20.0	20.3	102	72 - 132	
Isopropylbenzene	20.0	19.6	98.0	80 - 122	
p-Isopropyltoluene	20.0	20.5	102	80 - 122	
4-Methyl-2-pentanone	20.0	19.1	95.7	64 - 140	
Methylene chloride	20.0	19.9	99.5	80 - 123	
Naphthalene	20.0	21.3	107	59 - 149	
n-Propylbenzene	20.0	20.8	104	80 - 129	
Styrene	20.0	21.7	108	80 - 123	
1,1,1,2-Tetrachloroethane	20.0	22.2	111	80 - 130	
1,1,2,2-Tetrachloroethane	20.0	20.5	102	79 - 125	
Tetrachloroethene	20.0	20.6	103	80 - 124	
Toluene	20.0	20.7	103	80 - 124	
1,2,3-Trichlorobenzene	20.0	20.8	104	62 - 140	
1,2,4-Trichlorobenzene	20.0	20.9	104	77 - 131	
1,1,1-Trichloroethane	20.0	20.8	104	80 - 134	
1,1,2-Trichloroethane	20.0	20.7	103	80 - 125	
Trichloroethene	20.0	20.8	104	80 - 122	
Trichlorofluoromethane	20.0	20.0	99.9	62 - 151	
1,2,3-Trichloropropane	20.0	20.7	104	80 - 126	
1,2,4-Trimethylbenzene	20.0	20.7	104	80 - 125	
1,3,5-Trimethylbenzene	20.0	20.9	105	80 - 127	
Vinyl acetate	20.0	19.7	98.4	10 - 285	
Vinyl chloride	20.0	20.3	102	65 - 140	
o-Xylene	20.0	21.3	106	80 - 122	
m-, p-Xylene	40.0	42.4	106	80 - 122	

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	98.3	86 - 118	PASS
1,2-Dichloroethane-d4	94.0	80 - 120	PASS
Toluene-d8	101	88 - 110	PASS
4-Bromofluorobenzene	98.2	86 - 115	PASS

* FAILS %REC LIMIT

Login Number: L0505336 Run Date: 05/20/2005 Sample ID: WG189445-02
 Instrument ID: HPMS10 Run Time: 10:34 Prep Method: 5030B
 File ID: 10M38136 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG189445 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS10 - 23-APR-2005

Analytes	Expected	Found	% Rec	LCS Limits		Q
Acetone	20.0	16.8	83.8	40	- 142	
Benzene	20.0	20.8	104	80	- 121	
Bromobenzene	20.0	20.5	102	80	- 120	
Bromochloromethane	20.0	21.2	106	80	- 124	
Bromodichloromethane	20.0	22.8	114	80	- 131	
Bromoform	20.0	19.7	98.7	74	- 130	
Bromomethane	20.0	23.6	118	61	- 151	
2-Butanone	20.0	16.3	81.3	58	- 149	
n-Butylbenzene	20.0	19.7	98.5	80	- 131	
sec-Butylbenzene	20.0	20.0	100	80	- 127	
tert-Butylbenzene	20.0	20.3	102	80	- 126	
Carbon disulfide	20.0	20.8	104	58	- 138	
Carbon tetrachloride	20.0	23.5	118	80	- 137	
Chlorobenzene	20.0	20.6	103	80	- 120	
Chlorodibromomethane	20.0	20.6	103	80	- 127	
Chloroethane	20.0	20.9	104	77	- 133	
2-Chloroethyl vinyl ether	20.0	22.0	110	10	- 211	
Chloroform	20.0	21.9	109	80	- 125	
Chloromethane	20.0	22.7	114	60	- 130	
2-Chlorotoluene	20.0	20.2	101	80	- 127	
4-Chlorotoluene	20.0	20.2	101	80	- 126	
1,2-Dibromo-3-chloropropane	20.0	17.4	86.8	65	- 129	
1,2-Dibromoethane	20.0	20.3	102	80	- 125	
Dibromomethane	20.0	20.7	104	80	- 126	
1,2-Dichlorobenzene	20.0	19.7	98.4	80	- 125	
1,3-Dichlorobenzene	20.0	20.2	101	80	- 120	
1,4-Dichlorobenzene	20.0	19.7	98.6	80	- 120	
Dichlorodifluoromethane	20.0	24.4	122	50	- 133	
1,1-Dichloroethane	20.0	20.4	102	80	- 125	
1,2-Dichloroethane	20.0	21.4	107	80	- 129	
1,1-Dichloroethene	20.0	20.3	101	80	- 132	
cis-1,2-Dichloroethene	20.0	20.9	105	80	- 121	
trans-1,2-Dichloroethene	20.0	21.5	107	80	- 127	
1,2-Dichloropropane	20.0	20.1	101	80	- 120	
1,3-Dichloropropane	20.0	19.3	96.3	80	- 120	
2,2-Dichloropropane	20.0	25.1	125	80	- 133	
cis-1,3-Dichloropropene	20.0	22.1	111	80	- 132	
trans-1,3-Dichloropropene	20.0	22.7	114	80	- 130	
1,1-Dichloropropene	20.0	21.1	106	74	- 139	
Ethylbenzene	20.0	21.0	105	80	- 122	
2-Hexanone	20.0	15.8	79.1	56	- 136	

Login Number: L0505336 Run Date: 05/20/2005 Sample ID: WG189445-02
 Instrument ID: HPMS10 Run Time: 10:34 Prep Method: 5030B
 File ID: 10M38136 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG189445 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS10 - 23-APR-2005

Analytes	Expected	Found	% Rec	LCS Limits	Q
Hexachlorobutadiene	20.0	18.2	90.8	72 - 132	
Isopropylbenzene	20.0	22.1	110	80 - 122	
p-Isopropyltoluene	20.0	20.6	103	80 - 122	
4-Methyl-2-pentanone	20.0	17.7	88.4	64 - 140	
Methylene chloride	20.0	19.3	96.7	80 - 123	
Naphthalene	20.0	19.6	98.2	59 - 149	
n-Propylbenzene	20.0	19.8	99.2	80 - 129	
Styrene	20.0	20.6	103	80 - 123	
1,1,1,2-Tetrachloroethane	20.0	24.1	121	80 - 130	
1,1,2,2-Tetrachloroethane	20.0	18.0	89.9	79 - 125	
Tetrachloroethene	20.0	21.4	107	80 - 124	
Toluene	20.0	20.5	103	80 - 124	
1,2,3-Trichlorobenzene	20.0	20.7	103	62 - 140	
1,2,4-Trichlorobenzene	20.0	20.1	101	77 - 131	
1,1,1-Trichloroethane	20.0	24.6	123	80 - 134	
1,1,2-Trichloroethane	20.0	19.6	97.8	80 - 125	
Trichloroethene	20.0	21.4	107	80 - 122	
Trichlorofluoromethane	20.0	23.5	117	62 - 151	
1,2,3-Trichloropropane	20.0	19.6	98.1	80 - 126	
1,2,4-Trimethylbenzene	20.0	20.3	102	80 - 125	
1,3,5-Trimethylbenzene	20.0	20.6	103	80 - 127	
Vinyl acetate	20.0	21.0	105	10 - 285	
Vinyl chloride	20.0	25.7	128	65 - 140	
o-Xylene	20.0	21.1	105	80 - 122	
m-, p-Xylene	40.0	41.9	105	80 - 122	

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	98.8	86 - 118	PASS
1,2-Dichloroethane-d4	96.8	80 - 120	PASS
Toluene-d8	91.5	88 - 110	PASS
4-Bromofluorobenzene	88.2	86 - 115	PASS

* FAILS %REC LIMIT

Login Number: L0505336 Analyst: CMS Prep Method: 5030B
 Instrument ID: HPMS11 Matrix: Water Method: 8260B
 Workgroup (AAB#): WG189416 Units: ug/L
 Sample ID: WG189416-02 LCS File ID: 11M27025 Run Date: 05/19/2005 16:46
 Sample ID: WG189416-03 LCS2 File ID: 11M27026 Run Date: 05/19/2005 17:16

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Acetone	20.0	17.6	88.0	20.0	19.8	99.0	11.8	40 - 142	63	
Benzene	20.0	20.4	102	20.0	21.4	107	4.69	80 - 121	21	
Bromobenzene	20.0	20.8	104	20.0	21.4	107	2.60	80 - 120	18	
Bromochloromethane	20.0	21.4	107	20.0	21.7	108	1.24	80 - 124	20	
Bromodichloromethane	20.0	23.2	116	20.0	24.2	121	4.36	80 - 131	25	
Bromoform	20.0	17.8	88.9	20.0	17.8	89.1	0.221	74 - 130	35	
Bromomethane	20.0	19.5	97.3	20.0	20.3	101	4.16	61 - 151	56	
2-Butanone	20.0	18.3	91.6	20.0	18.6	92.8	1.29	58 - 149	56	
n-Butylbenzene	20.0	20.9	105	20.0	22.0	110	5.04	80 - 131	29	
sec-Butylbenzene	20.0	21.1	105	20.0	22.3	112	5.83	80 - 127	28	
tert-Butylbenzene	20.0	20.7	104	20.0	21.9	109	5.44	80 - 126	27	
Carbon disulfide	20.0	19.8	99.1	20.0	21.3	106	7.05	58 - 138	49	
Carbon tetrachloride	20.0	18.5	92.7	20.0	20.0	100	7.64	80 - 137	32	
Chlorobenzene	20.0	21.2	106	20.0	22.0	110	3.76	80 - 120	16	
Chlorodibromomethane	20.0	19.2	96.0	20.0	19.4	96.9	0.977	80 - 127	26	
Chloroethane	20.0	20.0	100	20.0	21.2	106	5.56	77 - 133	34	
2-Chloroethyl vinyl ether	20.0	21.7	108	20.0	21.2	106	1.98	10 - 211	125	
Chloroform	20.0	21.3	106	20.0	22.1	110	3.63	80 - 125	23	
Chloromethane	20.0	19.3	96.7	20.0	21.1	106	8.70	60 - 130	43	
2-Chlorotoluene	20.0	20.8	104	20.0	21.4	107	2.82	80 - 127	28	
4-Chlorotoluene	20.0	22.0	110	20.0	23.0	115	4.46	80 - 126	26	
1,2-Dibromo-3-chloropropane	20.0	19.7	98.7	20.0	19.3	96.6	2.13	65 - 129	39	
1,2-Dibromoethane	20.0	21.3	107	20.0	21.1	105	1.29	80 - 125	20	
Dibromomethane	20.0	20.5	103	20.0	20.6	103	0.576	80 - 126	24	
1,2-Dichlorobenzene	20.0	20.6	103	20.0	21.1	105	2.55	80 - 125	15	
1,3-Dichlorobenzene	20.0	20.3	101	20.0	21.1	105	3.83	80 - 120	16	
1,4-Dichlorobenzene	20.0	20.4	102	20.0	20.9	105	2.55	80 - 120	15	
Dichlorodifluoromethane	20.0	27.9	140	20.0	29.9	150	6.79	50 - 133	51	*
1,1-Dichloroethane	20.0	20.2	101	20.0	21.3	106	5.18	80 - 125	21	
1,2-Dichloroethane	20.0	20.7	103	20.0	20.8	104	0.613	80 - 129	29	
1,1-Dichloroethene	20.0	19.9	99.3	20.0	21.4	107	7.46	80 - 132	26	
cis-1,2-Dichloroethene	20.0	20.6	103	20.0	21.7	109	5.19	80 - 121	19	
trans-1,2-Dichloroethene	20.0	20.3	101	20.0	22.1	110	8.43	80 - 127	24	
1,2-Dichloropropane	20.0	20.4	102	20.0	21.1	105	3.16	80 - 120	20	
1,3-Dichloropropane	20.0	20.6	103	20.0	20.7	104	0.470	80 - 120	20	
2,2-Dichloropropane	20.0	20.9	105	20.0	22.0	110	4.98	80 - 133	29	
cis-1,3-Dichloropropene	20.0	22.2	111	20.0	22.8	114	2.64	80 - 132	26	
trans-1,3-Dichloropropene	20.0	22.1	110	20.0	22.3	111	0.968	80 - 130	25	
1,1-Dichloropropene	20.0	21.1	105	20.0	22.4	112	6.09	74 - 139	40	
Ethylbenzene	20.0	20.8	104	20.0	22.2	111	6.46	80 - 122	20	
2-Hexanone	20.0	17.8	89.2	20.0	17.6	87.9	1.46	56 - 136	49	
Hexachlorobutadiene	20.0	20.3	102	20.0	21.6	108	6.22	72 - 132	36	

KEMRON FORMS - Modified 01/03/2005
 Version 1.5 PDF File ID: 240310
 Report generated 05/24/2005 13:08

Login Number: L0505336 Analyst: CMS Prep Method: 5030B
 Instrument ID: HPMS11 Matrix: Water Method: 8260B
 Workgroup (AAB#): WG189416 Units: ug/L
 Sample ID: WG189416-02 LCS File ID: 11M27025 Run Date: 05/19/2005 16:46
 Sample ID: WG189416-03 LCS2 File ID: 11M27026 Run Date: 05/19/2005 17:16

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Isopropylbenzene	20.0	19.6	98.0	20.0	20.8	104	5.93	80 - 122	24	
p-Isopropyltoluene	20.0	20.5	102	20.0	21.3	107	4.25	80 - 122	24	
4-Methyl-2-pentanone	20.0	19.1	95.7	20.0	19.3	96.3	0.621	64 - 140	47	
Methylene chloride	20.0	19.9	99.5	20.0	20.6	103	3.43	80 - 123	22	
Naphthalene	20.0	21.3	107	20.0	21.0	105	1.79	59 - 149	55	
n-Propylbenzene	20.0	20.8	104	20.0	21.8	109	4.55	80 - 129	27	
Styrene	20.0	21.7	108	20.0	22.6	113	4.43	80 - 123	20	
1,1,1,2-Tetrachloroethane	20.0	22.2	111	20.0	23.0	115	3.79	80 - 130	25	
1,1,2,2-Tetrachloroethane	20.0	20.5	102	20.0	20.2	101	1.17	79 - 125	28	
Tetrachloroethene	20.0	20.6	103	20.0	22.2	111	7.38	80 - 124	22	
Toluene	20.0	20.7	103	20.0	21.7	109	4.98	80 - 124	22	
1,2,3-Trichlorobenzene	20.0	20.8	104	20.0	20.9	104	0.552	62 - 140	48	
1,2,4-Trichlorobenzene	20.0	20.9	104	20.0	21.1	106	1.10	77 - 131	33	
1,1,1-Trichloroethane	20.0	20.8	104	20.0	22.3	111	6.74	80 - 134	28	
1,1,2-Trichloroethane	20.0	20.7	103	20.0	21.2	106	2.28	80 - 125	20	
Trichloroethene	20.0	20.8	104	20.0	22.5	113	7.73	80 - 122	21	
Trichlorofluoromethane	20.0	20.0	99.9	20.0	21.4	107	6.91	62 - 151	55	
1,2,3-Trichloropropane	20.0	20.7	104	20.0	20.2	101	2.92	80 - 126	25	
1,2,4-Trimethylbenzene	20.0	20.7	104	20.0	21.8	109	5.01	80 - 125	26	
1,3,5-Trimethylbenzene	20.0	20.9	105	20.0	22.1	111	5.48	80 - 127	25	
Vinyl acetate	20.0	19.7	98.4	20.0	18.6	93.1	5.58	10 - 285	201	
Vinyl chloride	20.0	20.3	102	20.0	21.8	109	6.84	65 - 140	46	
o-Xylene	20.0	21.3	106	20.0	22.4	112	5.03	80 - 122	18	
m-, p-Xylene	40.0	42.4	106	40.0	44.5	111	4.80	80 - 122	21	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
Dibromofluoromethane	98.3	99.3	86 - 118	PASS
1,2-Dichloroethane-d4	94.0	93.3	80 - 120	PASS
Toluene-d8	101	102	88 - 110	PASS
4-Bromofluorobenzene	98.2	97.4	86 - 115	PASS

* FAILS %REC LIMIT

FAILS RPD LIMIT

Loginnum:L0505336

Cal ID: HPMS10 - 23-APR-05

Worknum: WG189367

Instrument ID: HPMS10

Contract #: DACA56-94-D-0020

Prep Method: 5030B

Parent ID: L0505336-14

File ID: 10M38115

Dil: 1

Method: 8260B

Sample ID: L0505336-15 MS

File ID: 10M38116

Dil: 1

Matrix: Water

Sample ID: L0505336-16 MSD

File ID: 10M38117

Dil: 1

Units: ug/L

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Acetone	ND	20.0	19.6	98.2	20.0	19.6	97.9	0.296	40 - 142	63	
Benzene	ND	20.0	20.4	102	20.0	20.6	103	0.768	80 - 121	21	
Bromobenzene	ND	20.0	20.5	102	20.0	20.6	103	0.438	80 - 120	18	
Bromochloromethane	ND	20.0	21.1	105	20.0	21.6	108	2.29	80 - 124	20	
Bromodichloromethane	ND	20.0	23.0	115	20.0	23.2	116	1.01	80 - 131	25	
Bromoform	ND	20.0	20.1	100	20.0	20.6	103	2.48	74 - 130	35	
Bromomethane	ND	20.0	22.0	110	20.0	22.3	111	1.06	61 - 151	56	
2-Butanone	ND	20.0	18.1	90.4	20.0	18.8	94.1	3.98	58 - 149	56	
n-Butylbenzene	ND	20.0	20.0	100	20.0	20.0	100	0.0676	80 - 131	29	
sec-Butylbenzene	ND	20.0	19.9	99.6	20.0	20.2	101	1.61	80 - 127	28	
tert-Butylbenzene	ND	20.0	19.7	98.6	20.0	19.8	99.1	0.542	80 - 126	27	
Carbon disulfide	ND	20.0	19.8	99.1	20.0	19.9	99.6	0.508	58 - 138	49	
Carbon tetrachloride	ND	20.0	22.0	110	20.0	22.0	110	0.0612	80 - 137	32	
Chlorobenzene	ND	20.0	20.7	104	20.0	20.6	103	0.354	80 - 120	16	
Chlorodibromomethane	ND	20.0	20.3	102	20.0	21.3	106	4.41	80 - 127	26	
Chloroethane	ND	20.0	19.9	99.6	20.0	20.1	100	0.861	77 - 133	34	
2-Chloroethyl vinyl ether	ND	20.0	0	0	20.0	0	0	0	10 - 211	125	*
Chloroform	ND	20.0	21.4	107	20.0	21.6	108	0.713	80 - 125	23	
Chloromethane	ND	20.0	21.4	107	20.0	21.2	106	1.21	60 - 130	43	
2-Chlorotoluene	ND	20.0	19.7	98.3	20.0	20.1	101	2.30	80 - 127	28	
4-Chlorotoluene	ND	20.0	20.2	101	20.0	20.0	99.9	1.12	80 - 126	26	
1,2-Dibromo-3-chloropropane	ND	20.0	18.6	92.8	20.0	18.8	93.9	1.20	65 - 129	39	
1,2-Dibromoethane	ND	20.0	20.8	104	20.0	21.8	109	4.58	80 - 125	20	
Dibromomethane	ND	20.0	21.4	107	20.0	21.3	107	0.178	80 - 126	24	
1,2-Dichlorobenzene	ND	20.0	20.0	100	20.0	20.4	102	1.97	80 - 125	15	
1,3-Dichlorobenzene	ND	20.0	20.1	100	20.0	20.3	101	1.08	80 - 120	16	
1,4-Dichlorobenzene	ND	20.0	19.7	98.7	20.0	19.7	98.7	0.0505	80 - 120	15	
Dichlorodifluoromethane	ND	20.0	23.1	115	20.0	22.7	113	1.87	50 - 133	51	
1,1-Dichloroethane	ND	20.0	20.0	100	20.0	19.9	99.5	0.633	80 - 125	21	
1,2-Dichloroethane	ND	20.0	22.2	111	20.0	21.8	109	1.45	80 - 129	29	
1,1-Dichloroethene	ND	20.0	19.3	96.3	20.0	19.4	96.9	0.654	80 - 132	26	
cis-1,2-Dichloroethene	ND	20.0	20.5	102	20.0	20.5	102	0.187	80 - 121	19	
trans-1,2-Dichloroethene	ND	20.0	20.8	104	20.0	20.8	104	0.0376	80 - 127	24	
1,2-Dichloropropane	ND	20.0	19.7	98.7	20.0	20.3	101	2.62	80 - 120	20	
1,3-Dichloropropane	ND	20.0	19.7	98.3	20.0	20.2	101	2.68	80 - 120	20	
2,2-Dichloropropane	ND	20.0	22.0	110	20.0	22.1	110	0.444	80 - 133	29	
cis-1,3-Dichloropropene	ND	20.0	21.1	106	20.0	21.5	108	2.09	80 - 132	26	
trans-1,3-Dichloropropene	ND	20.0	22.7	114	20.0	23.0	115	1.36	80 - 130	25	
1,1-Dichloropropene	ND	20.0	19.7	98.7	20.0	20.0	100	1.40	74 - 139	40	
Ethylbenzene	ND	20.0	20.8	104	20.0	21.1	105	1.27	80 - 122	20	
2-Hexanone	ND	20.0	17.9	89.3	20.0	18.5	92.4	3.50	56 - 136	49	

Loginnum:L0505336

Cal ID: HPMS10 23-APR-05

Worknum: WG189367

Instrument ID: HPMS10

Contract #: DACA56-94-D-0020

Prep Method: 5030B

Parent ID: L0505336-14

File ID: 10M38115

Dil: 1

Method: 8260B

Sample ID: L0505336-15 MS

File ID: 10M38116

Dil: 1

Matrix: Water

Sample ID: L0505336-16 MSD

File ID: 10M38117

Dil: 1

Units: ug/L

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Hexachlorobutadiene	ND	20.0	21.3	106	20.0	21.5	107	1.08	72 - 132	36	
Isopropylbenzene	ND	20.0	21.9	110	20.0	21.9	110	0.0127	80 - 122	24	
p-Isopropyltoluene	ND	20.0	20.6	103	20.0	20.6	103	0.177	80 - 122	24	
4-Methyl-2-pentanone	ND	20.0	17.8	89.0	20.0	18.8	93.8	5.29	64 - 140	47	
Methylene chloride	ND	20.0	19.3	96.7	20.0	19.2	96.2	0.443	80 - 123	22	
Naphthalene	ND	20.0	20.4	102	20.0	20.8	104	1.92	59 - 149	55	
n-Propylbenzene	ND	20.0	19.7	98.4	20.0	19.7	98.7	0.272	80 - 129	27	
Styrene	ND	20.0	2.37	11.8	20.0	0.625	3.12	116	80 - 123	20	*
1,1,1,2-Tetrachloroethane	ND	20.0	23.9	119	20.0	24.3	122	1.79	80 - 130	25	
1,1,2,2-Tetrachloroethane	ND	20.0	19.2	95.9	20.0	19.6	98.2	2.36	79 - 125	28	
Tetrachloroethene	ND	20.0	21.0	105	20.0	20.9	104	0.293	80 - 124	22	
Toluene	0.270	20.0	20.7	102	20.0	20.7	102	0.0713	80 - 124	22	
1,2,3-Trichlorobenzene	ND	20.0	23.3	117	20.0	23.7	119	1.66	62 - 140	48	
1,2,4-Trichlorobenzene	ND	20.0	20.7	104	20.0	20.9	105	1.14	77 - 131	33	
1,1,1-Trichloroethane	ND	20.0	23.2	116	20.0	23.0	115	0.857	80 - 134	28	
1,1,2-Trichloroethane	ND	20.0	19.8	99.1	20.0	20.6	103	3.78	80 - 125	20	
Trichloroethene	ND	20.0	20.3	102	20.0	20.6	103	1.36	80 - 122	21	
Trichlorofluoromethane	ND	20.0	22.7	113	20.0	22.1	111	2.41	62 - 151	55	
1,2,3-Trichloropropane	ND	20.0	20.8	104	20.0	21.2	106	1.86	80 - 126	25	
1,2,4-Trimethylbenzene	ND	20.0	19.7	98.7	20.0	20.1	100	1.79	80 - 125	26	
1,3,5-Trimethylbenzene	ND	20.0	20.4	102	20.0	20.5	103	0.761	80 - 127	25	
Vinyl acetate	ND	20.0	7.54	37.7	20.0	0	0	200	10 - 285	201	*
Vinyl chloride	ND	20.0	23.7	119	20.0	22.9	115	3.40	65 - 140	46	
o-Xylene	ND	20.0	20.9	104	20.0	21.0	105	0.859	80 - 122	18	
m-,p-Xylene	ND	40.0	41.3	103	40.0	42.2	105	2.04	80 - 122	21	

* FAILS %REC LIMIT

FAILS RPD LIMIT

KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK

BFB

Login Number: L0505336	Tune ID: WG187632-01
Instrument: HPMS10	Run Date: 04/23/2005
Analyst: MES	Run Time: 11:48
Workgroup: WG187632	File ID: 10M37431
Cal ID: HPMS10 - 23-APR-05	

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	20.4	4731	PASS
75.0	95.0	30.0	60.0	50.5	11723	PASS
95.0	95.0	100	100	100	23213	PASS
96.0	95.0	5.00	9.00	6.79	1576	PASS
173	174	0	2.00	0	0	PASS
174	95.0	50.0	100	81.9	19021	PASS
175	174	5.00	9.00	7.79	1482	PASS
176	174	95.0	101	101	19202	PASS
177	176	5.00	9.00	6.20	1191	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG187632-11	SSCV	01	04/23/2005 18:10	
WG187632-10	STD	01	04/23/2005 16:36	
WG187632-09	STD	01	04/23/2005 16:05	
WG187632-08	CCV	01	04/23/2005 15:34	
WG187632-07	STD	01	04/23/2005 15:02	
WG187632-06	STD	01	04/23/2005 14:31	
WG187632-05	STD	01	04/23/2005 14:00	
WG187632-04	STD	01	04/23/2005 13:29	
WG187632-03	STD	01	04/23/2005 12:57	
WG187632-02	STD	01	04/23/2005 12:24	

* Sample past 12 hour tune limit

**KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK**

BFB

Login Number: L0505336	Tune ID: WG189358-01
Instrument: HPMS11	Run Date: 05/19/2005
Analyst: CMS	Run Time: 07:33
Workgroup: WG189358	File ID: 11M27007
Cal ID: HPMS11 - 19-MAY-05	

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	20.5	12166	PASS
75.0	95.0	30.0	60.0	52.7	31349	PASS
95.0	95.0	100	100	100	59440	PASS
96.0	95.0	5.00	9.00	6.61	3930	PASS
173	174	0	2.00	0.888	470	PASS
174	95.0	50.0	100	89.1	52933	PASS
175	174	5.00	9.00	7.12	3768	PASS
176	174	95.0	101	99.1	52474	PASS
177	176	5.00	9.00	5.79	3037	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG189358-11	SSCV	01	05/19/2005 13:45	
WG189358-10	STD	01	05/19/2005 12:16	
WG189358-09	STD	01	05/19/2005 11:46	
WG189358-02	STD	01	05/19/2005 11:16	
WG189358-03	STD	01	05/19/2005 10:39	
WG189358-04	STD	01	05/19/2005 10:09	
WG189358-05	STD	01	05/19/2005 09:39	
WG189358-06	STD	01	05/19/2005 09:09	
WG189358-07	STD	01	05/19/2005 08:35	
WG189358-08	CCV	01	05/19/2005 08:05	

* Sample past 12 hour tune limit

KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK

BFB

Login Number: L0505336 Tune ID: WG189366-01
Instrument: HPMS10 Run Date: 05/19/2005
Analyst: MES Run Time: 11:52
Workgroup: WG189366 File ID: 10M38102
Cal ID: HPMS10 -23-APR-05

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	21.3	4886	PASS
75.0	95.0	30.0	60.0	49.7	11399	PASS
95.0	95.0	100	100	100	22944	PASS
96.0	95.0	5.00	9.00	6.86	1575	PASS
173	174	0	2.00	0.694	126	PASS
174	95.0	50.0	100	79.2	18168	PASS
175	174	5.00	9.00	8.57	1557	PASS
176	174	95.0	101	98.6	17905	PASS
177	176	5.00	9.00	6.71	1201	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG189367-01	BLANK	01	05/19/2005 13:29	
WG189367-02	LCS	01	05/19/2005 14:00	
L0505336-02	051305-TB-2	01	05/19/2005 16:08	
L0505336-03	051405-TB-1	01	05/19/2005 17:09	
L0505336-04	051505-TB-1	01	05/19/2005 17:40	
L0505336-14	29WW118-MAY05	01	05/19/2005 18:42	
L0505336-15	29WW118-MAY05-MS	01	05/19/2005 19:13	
L0505336-16	29WW118-MAY05-MSD	01	05/19/2005 19:44	
L0505336-01	051305-ER	01	05/19/2005 20:46	
L0505336-05	29WW01-MAY05	01	05/19/2005 21:17	
L0505336-06	29WW02-MAY05	01	05/19/2005 21:48	
WG189367-06	BLANK2	01	05/20/2005 00:55	*

* Sample past 12 hour tune limit

KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK

BFB

Login Number: <u>L0505336</u>	Tune ID: <u>WG189414-01</u>
Instrument: <u>HPMS11</u>	Run Date: <u>05/19/2005</u>
Analyst: <u>CMS</u>	Run Time: <u>15:17</u>
Workgroup: <u>WG189414</u>	File ID: <u>11M27022</u>
Cal ID: <u>HPMS11 -19-MAY-05</u>	

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	20.3	13961	PASS
75.0	95.0	30.0	60.0	51.3	35250	PASS
95.0	95.0	100	100	100	68677	PASS
96.0	95.0	5.00	9.00	6.51	4472	PASS
173	174	0	2.00	0.295	177	PASS
174	95.0	50.0	100	87.4	60026	PASS
175	174	5.00	9.00	7.19	4315	PASS
176	174	95.0	101	95.7	57418	PASS
177	176	5.00	9.00	7.51	4310	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG189416-01	BLANK	01	05/19/2005 16:16	
WG189416-02	LCS	01	05/19/2005 16:46	
WG189416-03	LCS2	01	05/19/2005 17:16	
WG189416-04	FBLK	01	05/19/2005 17:46	
L0505336-08	29WW07-MAY05	01	05/19/2005 18:46	
L0505336-09	29WW08-MAY05	01	05/19/2005 19:16	
L0505336-10	29WW11-MAY05	01	05/19/2005 19:46	
L0505336-11	29WW114-MAY05	01	05/19/2005 20:15	
L0505336-12	29WW116-MAY05	01	05/19/2005 20:46	
L0505336-13	29WW117-MAY05	01	05/19/2005 21:15	
L0505336-17	29WW12-MAY05	01	05/19/2005 21:45	
L0505336-18	29WW13-MAY05	01	05/19/2005 22:16	
L0505336-19	29WW14-MAY05	01	05/19/2005 22:46	
L0505336-20	29WW18-MAY05	01	05/19/2005 23:16	
L0505336-21	29WW25-MAY05	01	05/19/2005 23:46	
L0505336-22	29WW27-MAY05	01	05/20/2005 00:16	
L0505336-23	29WW28-MAY05	01	05/20/2005 00:46	

* Sample past 12 hour tune limit

**KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK**

BFB

Login Number: L0505336

Tune ID: WG189444-01

Instrument: HPMS10

Run Date: 05/20/2005

Analyst: MES

Run Time: 09:02

Workgroup: WG189444

File ID: 10M38133

Cal ID: HPMS10 -23-APR-05

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	21.1	4575	PASS
75.0	95.0	30.0	60.0	51.4	11120	PASS
95.0	95.0	100	100	100	21645	PASS
96.0	95.0	5.00	9.00	7.09	1535	PASS
173	174	0	2.00	0	0	PASS
174	95.0	50.0	100	83.3	18040	PASS
175	174	5.00	9.00	7.66	1382	PASS
176	174	95.0	101	100	18037	PASS
177	176	5.00	9.00	6.13	1105	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG189445-01	BLANK	01	05/20/2005 10:03	
WG189445-02	LCS	01	05/20/2005 10:34	
L0505336-07	29WW06-MAY05	01	05/20/2005 11:36	

* Sample past 12 hour tune limit

Login Number: L0505336
 Analytical Method: 8260B
 ICAL Workgroup: WG187632

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte		AVG RF	% RSD	R2	QUAD
1,1-Dichloroethene	CCC	0.2234	11.8		
1,2-Dichloropropane	CCC	0.2377	5.95		
1,4-Dichlorobenzene	CCC	1.469	7.21		
Chloroform	CCC	0.4895	6.25		
Ethylbenzene	CCC	0.4983	6.68		
Hexachlorobutadiene	CCC	0.4582	5.70		
Toluene	CCC	1.346	5.45		
Vinyl Chloride	CCC	0.1812	10.2		
1,1,2,2-Tetrachloroethane	SPCC	0.4704	6.31		
1,1-Dichloroethane	SPCC	0.4751	5.07		
Bromoform	SPCC	0.1340	30.2	0.999	
Chlorobenzene	SPCC	0.8928	3.83		
Chloromethane	SPCC	0.2309	4.55		
1,1,1,2-Tetrachloroethane		0.2908	11.5		
1,1,1-Trichloroethane		0.4064	11.3		
1,1,2-Trichloroethane		0.2437	4.57		
1,1-Dichloropropene		0.3555	9.56		
1,2,3-Trichlorobenzene		0.7032	10.4		
1,2,3-Trichloropropane		0.1555	7.53		
1,2,4-Trichlorobenzene		0.8917	8.34		
1,2,4-Trimethylbenzene		2.623	4.75		
1,2-Dibromo-3-Chloropropane		0.07558	21.2	1.00	
1,2-Dibromoethane		0.2437	11.6		
1,2-Dichlorobenzene		1.286	7.16		
1,2-Dichloroethane		0.3544	6.13		
1,3,5-Trimethylbenzene		2.480	7.35		
1,3-Dichlorobenzene		1.419	6.39		
1,3-Dichloropropane		0.4281	4.45		
2,2-Dichloropropane		0.3560	13.5		
2-Butanone		0.06014	2.87		
2-Chloroethyl Vinyl Ether		0.08524	10.6		
2-Chlorotoluene		2.455	4.18		
2-Hexanone		0.1330	7.28		
4-Chlorotoluene		2.166	3.80		
4-Methyl-2-Pentanone		0.05336	3.76		
Acetone		0.04278	2.97		
Benzene		0.9302	5.96		
Bromobenzene		0.7266	4.31		
Bromochloromethane		0.1182	11.8		
Bromodichloromethane		0.3226	12.3		
Bromomethane		0.1295	11.1		
Carbon Disulfide		0.7510	3.47		
Carbon Tetrachloride		0.2992	23.2	1.00	
Chloroethane		0.1642	10.2		
Dibromochloromethane		0.2606	20.1	0.999	

Login Number: L0505336
 Analytical Method: 8260B
 ICAL Workgroup: WG187632

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	AVG RF	% RSD	R2	QUAD
Dibromomethane	0.1277	10.1		
Dichlorodifluoromethane	0.3345	12.7		
Isopropylbenzene	1.390	6.02		
Methylene Chloride	0.2534	4.50		
Naphthalene	1.336	9.39		
Styrene	0.9941	7.60		
Tetrachloroethene	0.3040	7.46		
Trichloroethene	0.2652	6.99		
Trichlorofluoromethane	0.4549	11.7		
Vinyl Acetate	0.3060	11.6		
cis-1,2-Dichloroethene	0.2636	9.92		
cis-1,3-Dichloropropene	0.3542	10.6		
m-,p-Xylene	0.6101	4.86		
n-Butylbenzene	2.349	4.58		
n-Propylbenzene	3.391	6.22		
o-Xylene	0.5838	8.27		
p-Isopropyltoluene	2.495	6.07		
sec-Butylbenzene	3.088	5.86		
tert-Butylbenzene	0.4969	6.33		
trans-1,2-Dichloroethene	0.2472	6.93		
trans-1,3-Dichloropropene	0.4075	13.5		
1,2-Dichloroethane-d4	0.2740	4.87		
Dibromofluoromethane	0.2378	8.17		
Toluene-d8	1.114	5.78		
p-Bromofluorobenzene	0.8548	6.02		

Login Number: L0505336
 Analytical Method: 8260B
 ICAL Workgroup: WG189358

Instrument ID: HPMS11
 Initial Calibration Date: 19-MAY-05

Analyte		AVG RF	% RSD	R2	QUAD
1,1-Dichloroethene	CCC	0.2842	8.09		
1,2-Dichloropropane	CCC	0.2931	3.52		
Chloroform	CCC	0.5264	8.06		
Ethylbenzene	CCC	0.6509	7.21		
Toluene	CCC	1.634	6.63		
Vinyl Chloride	CCC	0.1959	5.47		
1,1,2,2-Tetrachloroethane	SPCC	0.3560	7.71		
1,1-Dichloroethane	SPCC	0.5802	4.05		
Bromoform	SPCC	0.1307	26.2		1.00
Chlorobenzene	SPCC	1.107	6.56		
Chloromethane	SPCC	0.2204	12.4		
1,1,1,2-Tetrachloroethane		0.3392	14.6		
1,1,1-Trichloroethane		0.4835	12.5		
1,1,2-Trichloroethane		0.2033	6.88		
1,1-Dichloropropene		0.4436	11.2		
1,2,3-Trichlorobenzene		0.8393	5.01		
1,2,3-Trichloropropane		0.1102	10.0		
1,2,4-Trichlorobenzene		1.063	3.56		
1,2,4-Trimethylbenzene		2.995	8.59		
1,2-Dibromo-3-Chloropropane		0.05583	9.40		
1,2-Dibromoethane		0.2045	7.07		
1,2-Dichlorobenzene		1.432	3.55		
1,2-Dichloroethane		0.3457	4.62		
1,3,5-Trimethylbenzene		2.887	10.2		
1,3-Dichlorobenzene		1.729	4.45		
1,3-Dichloropropane		0.3963	4.27		
1,4-Dichlorobenzene		1.703	4.10		
2,2-Dichloropropane		0.5074	11.6		
2-Butanone		0.03840	11.1		
2-Chloroethyl Vinyl Ether		0.09470	14.9		
2-Chlorotoluene		2.390	8.34		
2-Hexanone		0.08528	6.31		
4-Chlorotoluene		2.261	4.33		
4-Methyl-2-Pentanone		0.04170	6.84		
Acetone		0.02542	28.3	0.997	
Benzene		1.269	4.34		
Bromobenzene		0.7974	4.51		
Bromochloromethane		0.1576	5.67		
Bromodichloromethane		0.3041	12.0		
Bromomethane		0.2448	0.506		
Carbon Disulfide		1.057	4.65		
Carbon Tetrachloride		0.4187	19.7		1.00
Chloroethane		0.2332	3.52		
Dibromochloromethane		0.2355	21.1		1.00
Dibromomethane		0.1234	5.09		

Login Number: L0505336
 Analytical Method: 8260B
 ICAL Workgroup: WG189358

Instrument ID: HPMS11
 Initial Calibration Date: 19-MAY-05

Analyte	AVG RF	% RSD	R2	QUAD
Dichlorodifluoromethane	0.3475	6.74		
Hexachlorobutadiene	0.4441	8.48		
Isopropylbenzene	1.963	8.85		
Methylene Chloride	0.2941	3.48		
Naphthalene	1.359	6.46		
Styrene	1.218	11.0		
Tetrachloroethene	0.3749	8.61		
Trichloroethene	0.3391	6.28		
Trichlorofluoromethane	0.5889	6.39		
Vinyl Acetate	0.3128	7.57		
cis-1,2-Dichloroethene	0.3199	5.60		
cis-1,3-Dichloropropene	0.4018	12.3		
m-,p-Xylene	0.7989	7.70		
n-Butylbenzene	2.675	10.1		
n-Propylbenzene	3.909	9.58		
o-Xylene	0.7625	8.63		
p-Isopropyltoluene	3.048	10.2		
sec-Butylbenzene	3.625	10.5		
tert-Butylbenzene	0.6690	9.29		
trans-1,2-Dichloroethene	0.3165	5.09		
trans-1,3-Dichloropropene	0.4022	13.4		
1,2-Dichloroethane-d4	0.2538	6.48		
Dibromofluoromethane	0.2797	9.78		
Toluene-d8	1.232	10.9		
p-Bromofluorobenzene	0.8797	4.65		

Login Number: L0505336
 Analytical Method: 8260B

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	WG187632-02			WG187632-03		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	NA	NA	NA	0.400	1996	0.1652
1,2-Dichloropropane	NA	NA	NA	0.400	2604	0.2155
1,4-Dichlorobenzene	0.250	4623	1.643	0.400	7357	1.620
Chloroform	0.250	3950	0.5149	0.400	5266	0.4359
Ethylbenzene	NA	NA	NA	0.400	3902	0.4490
Hexachlorobutadiene	NA	NA	NA	0.400	1882	0.4143
Toluene	NA	NA	NA	0.400	10535	1.212
Vinyl Chloride	NA	NA	NA	0.400	1807	0.1496
1,1,2,2-Tetrachloroethane	NA	NA	NA	0.400	2379	0.5237
1,1-Dichloroethane	NA	NA	NA	0.400	5261	0.4354
Bromoform	NA	NA	NA	NA	NA	NA
Chlorobenzene	NA	NA	NA	0.400	7717	0.8881
Chloromethane	NA	NA	NA	0.400	2681	0.2219
1,1,1,2-Tetrachloroethane	NA	NA	NA	0.400	2328	0.2679
1,1,1-Trichloroethane	NA	NA	NA	0.400	3985	0.3298
1,1,2-Trichloroethane	NA	NA	NA	0.400	1969	0.2266
1,1-Dichloropropene	NA	NA	NA	0.400	3429	0.2838
1,2,3-Trichlorobenzene	0.250	1832	0.6512	0.400	4021	0.8852
1,2,3-Trichloropropane	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA	0.400	4801	1.057
1,2,4-Trimethylbenzene	NA	NA	NA	0.400	12153	2.675
1,2-Dibromo-3-Chloropropane	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	NA	NA	NA	0.400	1602	0.1844
1,2-Dichlorobenzene	0.250	4073	1.448	0.400	6415	1.412
1,2-Dichloroethane	NA	NA	NA	0.400	3817	0.3159
1,3,5-Trimethylbenzene	NA	NA	NA	0.400	10017	2.205
1,3-Dichlorobenzene	NA	NA	NA	0.400	7318	1.611
1,3-Dichloropropane	NA	NA	NA	0.400	3639	0.4188
2,2-Dichloropropane	NA	NA	NA	0.400	3412	0.2824
2-Butanone	NA	NA	NA	NA	NA	NA
2-Chloroethyl Vinyl Ether	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	NA	NA	NA	0.400	11106	2.445
2-Hexanone	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	NA	NA	NA	0.400	10188	2.243
4-Methyl-2-Pentanone	NA	NA	NA	NA	NA	NA
Acetone	NA	NA	NA	NA	NA	NA
Benzene	NA	NA	NA	0.400	9923	0.8213
Bromobenzene	0.250	2022	0.7188	0.400	3132	0.6895
Bromochloromethane	NA	NA	NA	0.400	1076	0.08910
Bromodichloromethane	NA	NA	NA	0.400	3028	0.2506
Bromomethane	NA	NA	NA	NA	NA	NA
Carbon Disulfide	NA	NA	NA	0.400	9429	0.7804

Login Number: L0505336
 Analytical Method: 8260B

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	WG187632-04			WG187632-05		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	1.00	6296	0.2095	2.00	13059	0.2200
1,2-Dichloropropane	1.00	6935	0.2308	2.00	13134	0.2212
1,4-Dichlorobenzene	1.00	15727	1.389	2.00	32223	1.424
Chloroform	1.00	13605	0.4527	2.00	28110	0.4735
Ethylbenzene	1.00	10364	0.4869	2.00	20440	0.4728
Hexachlorobutadiene	1.00	4886	0.4316	2.00	9960	0.4400
Toluene	1.00	27442	1.289	2.00	57546	1.331
Vinyl Chloride	1.00	6074	0.2021	2.00	11587	0.1952
1,1,2,2-Tetrachloroethane	1.00	4893	0.4323	2.00	10096	0.4460
1,1-Dichloroethane	1.00	13679	0.4552	2.00	27151	0.4573
Bromoform	1.00	1642	0.07710	2.00	4068	0.09410
Chlorobenzene	1.00	18628	0.8752	2.00	39444	0.9124
Chloromethane	1.00	7324	0.2437	2.00	13767	0.2319
1,1,1,2-Tetrachloroethane	1.00	5434	0.2553	2.00	10624	0.2458
1,1,1-Trichloroethane	1.00	10690	0.3557	2.00	22619	0.3810
1,1,2-Trichloroethane	1.00	5153	0.2421	2.00	10466	0.2421
1,1-Dichloropropene	1.00	10102	0.3362	2.00	20662	0.3480
1,2,3-Trichlorobenzene	1.00	7582	0.6698	2.00	14766	0.6523
1,2,3-Trichloropropane	1.00	1573	0.1390	2.00	3215	0.1420
1,2,4-Trichlorobenzene	1.00	9196	0.8124	2.00	19053	0.8417
1,2,4-Trimethylbenzene	1.00	27462	2.426	2.00	57186	2.526
1,2-Dibromo-3-Chloropropane	NA	NA	NA	2.00	1167	0.05160
1,2-Dibromoethane	1.00	5002	0.2350	2.00	10000	0.2313
1,2-Dichlorobenzene	1.00	13388	1.183	2.00	28530	1.260
1,2-Dichloroethane	1.00	10966	0.3649	2.00	20570	0.3465
1,3,5-Trimethylbenzene	1.00	25830	2.282	2.00	53630	2.369
1,3-Dichlorobenzene	1.00	15088	1.333	2.00	31559	1.394
1,3-Dichloropropane	1.00	8849	0.4158	2.00	17784	0.4114
2,2-Dichloropropane	1.00	9151	0.3045	2.00	18901	0.3184
2-Butanone	NA	NA	NA	NA	NA	NA
2-Chloroethyl Vinyl Ether	1.00	2450	0.08150	2.00	5623	0.09470
2-Chlorotoluene	1.00	26289	2.322	2.00	54641	2.414
2-Hexanone	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	1.00	23447	2.071	2.00	47044	2.078
4-Methyl-2-Pentanone	NA	NA	NA	NA	NA	NA
Acetone	NA	NA	NA	NA	NA	NA
Benzene	1.00	26882	0.8945	2.00	55142	0.9288
Bromobenzene	1.00	7910	0.6988	2.00	16358	0.7227
Bromochloromethane	1.00	3402	0.1132	2.00	7322	0.1233
Bromodichloromethane	1.00	8768	0.2918	2.00	17682	0.2978
Bromomethane	1.00	3264	0.1086	2.00	6785	0.1143
Carbon Disulfide	1.00	22768	0.7576	2.00	42884	0.7223

Login Number: L0505336
 Analytical Method: 8260B

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	WG187632-06			WG187632-07		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	5.00	34386	0.2306	20.0	146670	0.2463
1,2-Dichloropropane	5.00	36490	0.2447	20.0	151286	0.2540
1,4-Dichlorobenzene	5.00	83847	1.497	20.0	333555	1.493
Chloroform	5.00	77308	0.5184	20.0	309551	0.5198
Ethylbenzene	5.00	57042	0.5293	20.0	231885	0.5437
Hexachlorobutadiene	5.00	25970	0.4638	20.0	108179	0.4840
Toluene	5.00	151483	1.406	20.0	608912	1.428
Vinyl Chloride	5.00	27588	0.1850	20.0	116860	0.1962
1,1,2,2-Tetrachloroethane	5.00	27073	0.4835	20.0	109335	0.4892
1,1-Dichloroethane	5.00	72935	0.4891	20.0	302171	0.5074
Bromoform	5.00	11485	0.1066	20.0	63767	0.1495
Chlorobenzene	5.00	98462	0.9137	20.0	398476	0.9343
Chloromethane	5.00	32918	0.2207	20.0	143990	0.2418
1,1,1,2-Tetrachloroethane	5.00	30919	0.2869	20.0	139289	0.3266
1,1,1-Trichloroethane	5.00	61569	0.4129	20.0	265086	0.4451
1,1,2-Trichloroethane	5.00	27246	0.2528	20.0	110084	0.2581
1,1-Dichloropropene	5.00	56176	0.3767	20.0	232378	0.3902
1,2,3-Trichlorobenzene	5.00	39904	0.7126	20.0	161494	0.7226
1,2,3-Trichloropropane	5.00	8720	0.1557	20.0	38069	0.1703
1,2,4-Trichlorobenzene	5.00	49960	0.8922	20.0	204691	0.9159
1,2,4-Trimethylbenzene	5.00	153421	2.740	20.0	620860	2.778
1,2-Dibromo-3-Chloropropane	5.00	3342	0.05970	20.0	17669	0.07910
1,2-Dibromoethane	5.00	27017	0.2507	20.0	116663	0.2735
1,2-Dichlorobenzene	5.00	71454	1.276	20.0	293129	1.312
1,2-Dichloroethane	5.00	56318	0.3777	20.0	224196	0.3764
1,3,5-Trimethylbenzene	5.00	146433	2.615	20.0	605476	2.709
1,3-Dichlorobenzene	5.00	80257	1.433	20.0	326918	1.463
1,3-Dichloropropane	5.00	47807	0.4436	20.0	195231	0.4577
2,2-Dichloropropane	5.00	53212	0.3568	20.0	230107	0.3864
2-Butanone	5.00	8927	0.05990	20.0	36226	0.06080
2-Chloroethyl Vinyl Ether	5.00	13672	0.09170	20.0	55575	0.09330
2-Chlorotoluene	5.00	145636	2.601	20.0	575091	2.573
2-Hexanone	5.00	15344	0.1424	20.0	59061	0.1385
4-Chlorotoluene	5.00	122237	2.183	20.0	509196	2.278
4-Methyl-2-Pentanone	5.00	7919	0.05310	20.0	32275	0.05420
Acetone	5.00	6428	0.04310	20.0	26118	0.04390
Benzene	5.00	145129	0.9732	20.0	591567	0.9933
Bromobenzene	5.00	43238	0.7722	20.0	172405	0.7714
Bromochloromethane	5.00	19602	0.1315	20.0	77375	0.1299
Bromodichloromethane	5.00	47849	0.3209	20.0	208550	0.3502
Bromomethane	5.00	18193	0.1220	20.0	84124	0.1413
Carbon Disulfide	5.00	107095	0.7182	20.0	467559	0.7851

Login Number: L0505336
 Analytical Method: 8260B

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	WG187632-08			WG187632-09		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	50.0	371474	0.2438	100	721551	0.2386
1,2-Dichloropropane	50.0	382961	0.2514	100	747192	0.2471
1,4-Dichlorobenzene	50.0	819513	1.440	100	1581401	1.387
Chloroform	50.0	776327	0.5095	100	1513385	0.5005
Ethylbenzene	50.0	576243	0.5294	100	1108098	0.5010
Hexachlorobutadiene	50.0	271555	0.4771	100	545424	0.4785
Toluene	50.0	1542741	1.417	100	3021398	1.366
Vinyl Chloride	50.0	281665	0.1849	100	535548	0.1771
1,1,2,2-Tetrachloroethane	50.0	273031	0.4797	100	527065	0.4624
1,1-Dichloroethane	50.0	755221	0.4957	100	1469955	0.4861
Bromoform	50.0	185879	0.1708	100	385553	0.1743
Chlorobenzene	50.0	999125	0.9178	100	1933303	0.8741
Chloromethane	50.0	363469	0.2386	100	705914	0.2334
1,1,1,2-Tetrachloroethane	50.0	363277	0.3337	100	708864	0.3205
1,1,1-Trichloroethane	50.0	686597	0.4506	100	1357112	0.4488
1,1,2-Trichloroethane	50.0	276135	0.2537	100	539358	0.2439
1,1-Dichloropropene	50.0	578594	0.3798	100	1124198	0.3718
1,2,3-Trichlorobenzene	50.0	395678	0.6952	100	779345	0.6837
1,2,3-Trichloropropane	50.0	94539	0.1661	100	183906	0.1613
1,2,4-Trichlorobenzene	50.0	505359	0.8879	100	999090	0.8765
1,2,4-Trimethylbenzene	50.0	1539056	2.704	100	2992078	2.625
1,2-Dibromo-3-Chloropropane	50.0	49502	0.08700	100	99530	0.08730
1,2-Dibromoethane	50.0	292620	0.2688	100	576203	0.2605
1,2-Dichlorobenzene	50.0	721596	1.268	100	1406477	1.234
1,2-Dichloroethane	50.0	557709	0.3660	100	1075135	0.3555
1,3,5-Trimethylbenzene	50.0	1504515	2.643	100	2923366	2.565
1,3-Dichlorobenzene	50.0	804344	1.413	100	1569303	1.377
1,3-Dichloropropane	50.0	486158	0.4466	100	942195	0.4260
2,2-Dichloropropane	50.0	610273	0.4005	100	1217455	0.4026
2-Butanone	50.0	93920	0.06160	100	184615	0.06110
2-Chloroethyl Vinyl Ether	50.0	131260	0.08620	100	241232	0.07980
2-Chlorotoluene	50.0	1417489	2.490	100	2818972	2.473
2-Hexanone	50.0	148271	0.1362	100	288385	0.1304
4-Chlorotoluene	50.0	1274782	2.240	100	2450588	2.150
4-Methyl-2-Pentanone	50.0	83641	0.05490	100	165083	0.05460
Acetone	50.0	65581	0.04300	100	130817	0.04330
Benzene	50.0	1477773	0.9699	100	2881697	0.9529
Bromobenzene	50.0	423382	0.7438	100	832351	0.7302
Bromochloromethane	50.0	193330	0.1269	100	365431	0.1208
Bromodichloromethane	50.0	546185	0.3585	100	1098570	0.3633
Bromomethane	50.0	221504	0.1454	100	411885	0.1362
Carbon Disulfide	50.0	1165181	0.7648	100	2277381	0.7531

Login Number: L0505336
 Analytical Method: 8260B

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	WG187632-10		
	CONC	RESP	RF
1,1-Dichloroethene	200	1389464	0.2328
1,2-Dichloropropane	200	1415219	0.2371
1,4-Dichlorobenzene	200	2926643	1.329
Chloroform	200	2867277	0.4804
Ethylbenzene	200	2036572	0.4745
Hexachlorobutadiene	200	1049148	0.4766
Toluene	200	5667972	1.321
Vinyl Chloride	200	950055	0.1592
1,1,2,2-Tetrachloroethane	200	982125	0.4461
1,1-Dichloroethane	200	2833930	0.4748
Bromoform	200	711670	0.1658
Chlorobenzene	200	3548899	0.8269
Chloromethane	200	1285483	0.2154
1,1,1,2-Tetrachloroethane	200	1242830	0.2896
1,1,1-Trichloroethane	200	2549431	0.4272
1,1,2-Trichloroethane	200	988455	0.2303
1,1-Dichloropropene	200	2134275	0.3576
1,2,3-Trichlorobenzene	200	1444399	0.6561
1,2,3-Trichloropropane	200	339429	0.1542
1,2,4-Trichlorobenzene	200	1870717	0.8497
1,2,4-Trimethylbenzene	200	5520689	2.508
1,2-Dibromo-3-Chloropropane	200	195470	0.08880
1,2-Dibromoethane	200	1051581	0.2450
1,2-Dichlorobenzene	200	2604803	1.183
1,2-Dichloroethane	200	1983904	0.3324
1,3,5-Trimethylbenzene	200	5390117	2.448
1,3-Dichlorobenzene	200	2918398	1.326
1,3-Dichloropropane	200	1736155	0.4045
2,2-Dichloropropane	200	2367804	0.3967
2-Butanone	200	341754	0.05730
2-Chloroethyl Vinyl Ether	200	414974	0.06950
2-Chlorotoluene	200	5113912	2.323
2-Hexanone	200	504416	0.1175
4-Chlorotoluene	200	4593693	2.087
4-Methyl-2-Pentanone	200	298302	0.05000
Acetone	200	242100	0.04060
Benzene	200	5419288	0.9080
Bromobenzene	200	1522542	0.6916
Bromochloromethane	200	660310	0.1106
Bromodichloromethane	200	2074683	0.3476
Bromomethane	200	827190	0.1386
Carbon Disulfide	200	4335929	0.7265

Login Number: L0505336
 Analytical Method: 8260B

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	WG187632-02			WG187632-03		
	CONC	RESP	RF	CONC	RESP	RF
Carbon Tetrachloride	NA	NA	NA	0.400	2180	0.1804
Chloroethane	NA	NA	NA	0.400	1559	0.1290
Dibromochloromethane	NA	NA	NA	0.400	1825	0.2100
Dibromomethane	NA	NA	NA	0.400	1230	0.1018
Dichlorodifluoromethane	NA	NA	NA	0.400	2875	0.2380
Isopropylbenzene	NA	NA	NA	0.400	10944	1.259
Methylene Chloride	NA	NA	NA	0.400	3172	0.2625
Naphthalene	NA	NA	NA	0.400	6445	1.419
Styrene	NA	NA	NA	0.400	7771	0.8943
Tetrachloroethene	NA	NA	NA	0.400	2243	0.2581
Trichloroethene	NA	NA	NA	0.400	2746	0.2273
Trichlorofluoromethane	NA	NA	NA	0.400	4001	0.3312
Vinyl Acetate	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	NA	NA	NA	0.400	2441	0.2020
cis-1,3-Dichloropropene	NA	NA	NA	0.400	3568	0.2953
m-,p-Xylene	NA	NA	NA	0.800	10394	0.5981
n-Butylbenzene	NA	NA	NA	0.400	10344	2.277
n-Propylbenzene	NA	NA	NA	0.400	14323	3.153
o-Xylene	NA	NA	NA	0.400	4280	0.4925
p-Isopropyltoluene	NA	NA	NA	0.400	10674	2.350
sec-Butylbenzene	NA	NA	NA	0.400	13086	2.881
tert-Butylbenzene	NA	NA	NA	0.400	2333	0.5136
trans-1,2-Dichloroethene	NA	NA	NA	0.400	2604	0.2155
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane-d4	NA	NA	NA	NA	NA	NA
Dibromofluoromethane	NA	NA	NA	NA	NA	NA
Toluene-d8	NA	NA	NA	NA	NA	NA
p-Bromofluorobenzene	NA	NA	NA	NA	NA	NA

Login Number: L0505336
 Analytical Method: 8260B

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	WG187632-04			WG187632-05		
	CONC	RESP	RF	CONC	RESP	RF
Carbon Tetrachloride	1.00	7536	0.2508	2.00	14878	0.2506
Chloroethane	1.00	5358	0.1783	2.00	8954	0.1508
Dibromochloromethane	1.00	4112	0.1932	2.00	8914	0.2062
Dibromomethane	1.00	3597	0.1197	2.00	7419	0.1250
Dichlorodifluoromethane	1.00	9791	0.3258	2.00	19943	0.3359
Isopropylbenzene	1.00	27893	1.311	2.00	58250	1.347
Methylene Chloride	1.00	7305	0.2431	2.00	16062	0.2705
Naphthalene	1.00	12220	1.080	2.00	27654	1.222
Styrene	1.00	18942	0.8900	2.00	41370	0.9570
Tetrachloroethene	1.00	6504	0.3056	2.00	12642	0.2924
Trichloroethene	1.00	7620	0.2536	2.00	15569	0.2622
Trichlorofluoromethane	1.00	13501	0.4493	2.00	27484	0.4629
Vinyl Acetate	NA	NA	NA	2.00	16988	0.2861
cis-1,2-Dichloroethene	1.00	7819	0.2602	2.00	15738	0.2651
cis-1,3-Dichloropropene	1.00	9826	0.3270	2.00	18960	0.3193
m-,p-Xylene	2.00	25739	0.6046	4.00	52100	0.6026
n-Butylbenzene	1.00	24540	2.168	2.00	50918	2.249
n-Propylbenzene	1.00	35079	3.099	2.00	73217	3.235
o-Xylene	1.00	11876	0.5580	2.00	23944	0.5539
p-Isopropyltoluene	1.00	25934	2.291	2.00	53243	2.352
sec-Butylbenzene	1.00	31710	2.801	2.00	67956	3.002
tert-Butylbenzene	1.00	5028	0.4442	2.00	10591	0.4679
trans-1,2-Dichloroethene	1.00	7088	0.2359	2.00	13913	0.2343
trans-1,3-Dichloropropene	1.00	6851	0.3219	2.00	14837	0.3432
1,2-Dichloroethane-d4	0.500	4108	0.2734	1.00	7437	0.2505
Dibromofluoromethane	0.500	3823	0.2544	1.00	6133	0.2066
Toluene-d8	0.500	11907	1.119	1.00	21501	0.9947
p-Bromofluorobenzene	0.500	5128	0.9060	1.00	8606	0.7604

Login Number: L0505336
 Analytical Method: 8260B

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	WG187632-06			WG187632-07		
	CONC	RESP	RF	CONC	RESP	RF
Carbon Tetrachloride	5.00	42457	0.2847	20.0	194596	0.3267
Chloroethane	5.00	24410	0.1637	20.0	106187	0.1783
Dibromochloromethane	5.00	26714	0.2479	20.0	124715	0.2924
Dibromomethane	5.00	21237	0.1424	20.0	82428	0.1384
Dichlorodifluoromethane	5.00	51493	0.3453	20.0	224327	0.3767
Isopropylbenzene	5.00	154866	1.437	20.0	640209	1.501
Methylene Chloride	5.00	39101	0.2622	20.0	152505	0.2561
Naphthalene	5.00	76730	1.370	20.0	325969	1.459
Styrene	5.00	112532	1.044	20.0	464281	1.089
Tetrachloroethene	5.00	34142	0.3168	20.0	141195	0.3310
Trichloroethene	5.00	41229	0.2765	20.0	169733	0.2850
Trichlorofluoromethane	5.00	69001	0.4627	20.0	300515	0.5046
Vinyl Acetate	5.00	46083	0.3090	20.0	206342	0.3465
cis-1,2-Dichloroethene	5.00	40797	0.2736	20.0	169000	0.2838
cis-1,3-Dichloropropene	5.00	51801	0.3474	20.0	229200	0.3848
m-,p-Xylene	10.0	137149	0.6364	40.0	555352	0.6510
n-Butylbenzene	5.00	133684	2.387	20.0	555804	2.487
n-Propylbenzene	5.00	199131	3.556	20.0	815001	3.647
o-Xylene	5.00	67713	0.6284	20.0	270543	0.6343
p-Isopropyltoluene	5.00	146494	2.616	20.0	602875	2.698
sec-Butylbenzene	5.00	180782	3.229	20.0	738161	3.303
tert-Butylbenzene	5.00	29813	0.5324	20.0	118120	0.5285
trans-1,2-Dichloroethene	5.00	38330	0.2570	20.0	158180	0.2656
trans-1,3-Dichloropropene	5.00	43218	0.4011	20.0	192942	0.4524
1,2-Dichloroethane-d4	2.50	20242	0.2715	10.0	86676	0.2911
Dibromofluoromethane	2.50	16155	0.2167	10.0	76797	0.2579
Toluene-d8	2.50	58089	1.078	10.0	253905	1.191
p-Bromofluorobenzene	2.50	22811	0.8147	10.0	99728	0.8925

Login Number: L0505336
 Analytical Method: 8260B

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	WG187632-08			WG187632-09		
	CONC	RESP	RF	CONC	RESP	RF
Carbon Tetrachloride	50.0	545437	0.3580	100	1129290	0.3734
Chloroethane	50.0	263405	0.1729	100	523077	0.1730
Dibromochloromethane	50.0	342359	0.3145	100	700238	0.3166
Dibromomethane	50.0	205614	0.1350	100	403756	0.1335
Dichlorodifluoromethane	50.0	559838	0.3674	100	1065923	0.3525
Isopropylbenzene	50.0	1608110	1.477	100	3151065	1.425
Methylene Chloride	50.0	380698	0.2499	100	745057	0.2464
Naphthalene	50.0	802512	1.410	100	1581895	1.388
Styrene	50.0	1158497	1.064	100	2279026	1.030
Tetrachloroethene	50.0	351721	0.3231	100	684249	0.3094
Trichloroethene	50.0	424892	0.2789	100	833346	0.2756
Trichlorofluoromethane	50.0	752848	0.4941	100	1440144	0.4762
Vinyl Acetate	50.0	522971	0.3432	100	899875	0.2976
cis-1,2-Dichloroethene	50.0	429207	0.2817	100	833237	0.2755
cis-1,3-Dichloropropene	50.0	601967	0.3951	100	1183440	0.3914
m-,p-Xylene	100	1377794	0.6329	200	2649429	0.5990
n-Butylbenzene	50.0	1388322	2.439	100	2749127	2.412
n-Propylbenzene	50.0	2042259	3.588	100	3989214	3.500
o-Xylene	50.0	677262	0.6222	100	1334582	0.6034
p-Isopropyltoluene	50.0	1493874	2.625	100	2915407	2.558
sec-Butylbenzene	50.0	1843795	3.239	100	3619481	3.176
tert-Butylbenzene	50.0	293911	0.5164	100	563243	0.4942
trans-1,2-Dichloroethene	50.0	398885	0.2618	100	777389	0.2571
trans-1,3-Dichloropropene	50.0	501039	0.4603	100	990903	0.4480
1,2-Dichloroethane-d4	25.0	216634	0.2844	50.0	424760	0.2809
Dibromofluoromethane	25.0	189194	0.2484	50.0	370157	0.2448
Toluene-d8	25.0	634828	1.166	50.0	1262272	1.141
p-Bromofluorobenzene	25.0	252161	0.8861	50.0	497781	0.8734

Login Number: L0505336
 Analytical Method: 8260B

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	WG187632-10		
	CONC	RESP	RF
Carbon Tetrachloride	200	2203086	0.3691
Chloroethane	200	1001920	0.1679
Dibromochloromethane	200	1302931	0.3036
Dibromomethane	200	748206	0.1254
Dichlorodifluoromethane	200	1997222	0.3346
Isopropylbenzene	200	5863409	1.366
Methylene Chloride	200	1412184	0.2366
Naphthalene	200	2950278	1.340
Styrene	200	4224340	0.9842
Tetrachloroethene	200	1268436	0.2955
Trichloroethene	200	1564399	0.2621
Trichlorofluoromethane	200	2735015	0.4583
Vinyl Acetate	200	1513324	0.2536
cis-1,2-Dichloroethene	200	1592250	0.2668
cis-1,3-Dichloropropene	200	2228555	0.3734
m-,p-Xylene	400	4774092	0.5562
n-Butylbenzene	200	5214307	2.369
n-Propylbenzene	200	7374173	3.350
o-Xylene	200	2480311	0.5779
p-Isopropyltoluene	200	5432819	2.468
sec-Butylbenzene	200	6757695	3.070
tert-Butylbenzene	200	1051426	0.4776
trans-1,2-Dichloroethene	200	1496310	0.2507
trans-1,3-Dichloropropene	200	1826627	0.4256
1,2-Dichloroethane-d4	100	793624	0.2659
Dibromofluoromethane	100	703017	0.2356
Toluene-d8	100	2384526	1.111
p-Bromofluorobenzene	100	935965	0.8503

Login Number: L0505336
 Analytical Method: 8260B

Instrument ID: HPMS11
 Initial Calibration Date: 19-MAY-05

Analyte	WG189358-02			WG189358-03		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	NA	NA	NA	0.400	3486	0.2357
1,2-Dichloropropane	NA	NA	NA	0.400	4356	0.2946
Chloroform	0.300	4787	0.4314	0.400	7221	0.4883
Ethylbenzene	NA	NA	NA	0.400	6826	0.5989
Toluene	NA	NA	NA	0.400	16927	1.485
Vinyl Chloride	NA	NA	NA	0.400	3027	0.2047
1,1,2,2-Tetrachloroethane	NA	NA	NA	0.400	2120	0.3257
1,1-Dichloroethane	NA	NA	NA	0.400	8265	0.5589
Bromoform	NA	NA	NA	NA	NA	NA
Chlorobenzene	NA	NA	NA	0.400	12733	1.117
Chloromethane	NA	NA	NA	0.400	3975	0.2688
1,1,1,2-Tetrachloroethane	NA	NA	NA	0.400	3024	0.2653
1,1,1-Trichloroethane	NA	NA	NA	0.400	5461	0.3693
1,1,2-Trichloroethane	NA	NA	NA	0.400	2156	0.1892
1,1-Dichloropropene	NA	NA	NA	0.400	5078	0.3434
1,2,3-Trichlorobenzene	0.300	3948	0.8108	0.400	5682	0.8730
1,2,3-Trichloropropane	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA	0.400	6847	1.052
1,2,4-Trimethylbenzene	NA	NA	NA	0.400	17566	2.699
1,2-Dibromo-3-Chloropropane	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	NA	NA	NA	0.400	2107	0.1849
1,2-Dichlorobenzene	0.300	6783	1.393	0.400	9683	1.488
1,2-Dichloroethane	NA	NA	NA	0.400	5279	0.3570
1,3,5-Trimethylbenzene	NA	NA	NA	0.400	15844	2.434
1,3-Dichlorobenzene	NA	NA	NA	0.400	10999	1.690
1,3-Dichloropropane	NA	NA	NA	0.400	4399	0.3859
1,4-Dichlorobenzene	0.300	8001	1.643	0.400	10728	1.648
2,2-Dichloropropane	NA	NA	NA	0.400	5907	0.3994
2-Butanone	NA	NA	NA	NA	NA	NA
2-Chloroethyl Vinyl Ether	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	NA	NA	NA	0.400	14534	2.233
2-Hexanone	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	NA	NA	NA	0.400	14708	2.260
4-Methyl-2-Pentanone	NA	NA	NA	NA	NA	NA
Acetone	NA	NA	NA	NA	NA	NA
Benzene	NA	NA	NA	0.400	18087	1.223
Bromobenzene	0.300	3608	0.7409	0.400	5203	0.7994
Bromochloromethane	NA	NA	NA	0.400	2141	0.1448
Bromodichloromethane	NA	NA	NA	0.400	3716	0.2513
Bromomethane	NA	NA	NA	0.400	3610	0.2441
Carbon Disulfide	NA	NA	NA	0.400	16585	1.122
Carbon Tetrachloride	NA	NA	NA	0.400	3893	0.2633

Login Number: L0505336
 Analytical Method: 8260B

Instrument ID: HPMS11
 Initial Calibration Date: 19-MAY-05

Analyte	WG189358-04			WG189358-05		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	1.00	10234	0.2730	2.00	21687	0.2833
1,2-Dichloropropane	1.00	10314	0.2751	2.00	21851	0.2855
Chloroform	1.00	19642	0.5239	2.00	41409	0.5410
Ethylbenzene	1.00	18561	0.6425	2.00	39426	0.6634
Toluene	1.00	43553	1.508	2.00	94043	1.582
Vinyl Chloride	1.00	7894	0.2106	2.00	15299	0.1999
1,1,2,2-Tetrachloroethane	1.00	5283	0.3136	2.00	11763	0.3464
1,1-Dichloroethane	1.00	20699	0.5521	2.00	43466	0.5679
Bromoform	1.00	2309	0.07990	2.00	5833	0.09810
Chlorobenzene	1.00	30224	1.046	2.00	66521	1.119
Chloromethane	1.00	9603	0.2561	2.00	17068	0.2230
1,1,1,2-Tetrachloroethane	1.00	8018	0.2775	2.00	19232	0.3236
1,1,1-Trichloroethane	1.00	15914	0.4245	2.00	36049	0.4710
1,1,2-Trichloroethane	1.00	5131	0.1776	2.00	12778	0.2150
1,1-Dichloropropene	1.00	15034	0.4010	2.00	34702	0.4534
1,2,3-Trichlorobenzene	1.00	13217	0.7844	2.00	29686	0.8742
1,2,3-Trichloropropane	1.00	1481	0.08790	2.00	3828	0.1127
1,2,4-Trichlorobenzene	1.00	17465	1.037	2.00	36519	1.075
1,2,4-Trimethylbenzene	1.00	43496	2.582	2.00	100243	2.952
1,2-Dibromo-3-Chloropropane	NA	NA	NA	2.00	1734	0.05110
1,2-Dibromoethane	1.00	5357	0.1854	2.00	11948	0.2010
1,2-Dichlorobenzene	1.00	22652	1.344	2.00	48646	1.433
1,2-Dichloroethane	1.00	11858	0.3163	2.00	25940	0.3389
1,3,5-Trimethylbenzene	1.00	42350	2.514	2.00	95986	2.827
1,3-Dichlorobenzene	1.00	26990	1.602	2.00	58198	1.714
1,3-Dichloropropane	1.00	10650	0.3686	2.00	23695	0.3987
1,4-Dichlorobenzene	1.00	27092	1.608	2.00	58074	1.710
2,2-Dichloropropane	1.00	17038	0.4544	2.00	37507	0.4900
2-Butanone	NA	NA	NA	NA	NA	NA
2-Chloroethyl Vinyl Ether	1.00	2596	0.06920	2.00	6314	0.08250
2-Chlorotoluene	1.00	35855	2.128	2.00	78503	2.312
2-Hexanone	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	1.00	36451	2.163	2.00	79651	2.346
4-Methyl-2-Pentanone	NA	NA	NA	NA	NA	NA
Acetone	NA	NA	NA	NA	NA	NA
Benzene	1.00	44185	1.179	2.00	97453	1.273
Bromobenzene	1.00	12648	0.7507	2.00	27378	0.8062
Bromochloromethane	1.00	5535	0.1476	2.00	11659	0.1523
Bromodichloromethane	1.00	9854	0.2628	2.00	21798	0.2848
Bromomethane	1.00	9228	0.2461	2.00	18696	0.2443
Carbon Disulfide	1.00	39444	1.052	2.00	77293	1.010
Carbon Tetrachloride	1.00	13180	0.3515	2.00	30146	0.3939

Login Number: L0505336
 Analytical Method: 8260B

Instrument ID: HPMS11
 Initial Calibration Date: 19-MAY-05

Analyte	WG189358-06			WG189358-07		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	5.00	54011	0.2790	20.0	239176	0.3004
1,2-Dichloropropane	5.00	56699	0.2929	20.0	244571	0.3072
Chloroform	5.00	102056	0.5272	20.0	446623	0.5610
Ethylbenzene	5.00	98642	0.6555	20.0	441135	0.7023
Toluene	5.00	245113	1.629	20.0	1085832	1.729
Vinyl Chloride	5.00	37107	0.1917	20.0	149738	0.1881
1,1,2,2-Tetrachloroethane	5.00	31306	0.3625	20.0	145342	0.4018
1,1-Dichloroethane	5.00	108783	0.5619	20.0	483042	0.6067
Bromoform	5.00	16597	0.1103	20.0	91741	0.1461
Chlorobenzene	5.00	169166	1.124	20.0	751834	1.197
Chloromethane	5.00	40330	0.2083	20.0	160008	0.2010
1,1,1,2-Tetrachloroethane	5.00	50445	0.3352	20.0	246962	0.3932
1,1,1-Trichloroethane	5.00	93400	0.4825	20.0	414702	0.5209
1,1,2-Trichloroethane	5.00	29977	0.1992	20.0	138042	0.2198
1,1-Dichloropropene	5.00	84809	0.4381	20.0	380139	0.4775
1,2,3-Trichlorobenzene	5.00	71979	0.8335	20.0	332065	0.9181
1,2,3-Trichloropropane	5.00	9289	0.1076	20.0	44909	0.1242
1,2,4-Trichlorobenzene	5.00	91187	1.056	20.0	411761	1.138
1,2,4-Trimethylbenzene	5.00	254376	2.946	20.0	1155804	3.195
1,2-Dibromo-3-Chloropropane	5.00	4122	0.04770	20.0	22142	0.06120
1,2-Dibromoethane	5.00	29938	0.1989	20.0	141153	0.2247
1,2-Dichlorobenzene	5.00	120902	1.400	20.0	542645	1.500
1,2-Dichloroethane	5.00	66058	0.3412	20.0	294264	0.3696
1,3,5-Trimethylbenzene	5.00	247065	2.861	20.0	1122972	3.105
1,3-Dichlorobenzene	5.00	146193	1.693	20.0	658438	1.820
1,3-Dichloropropane	5.00	57978	0.3852	20.0	267757	0.4263
1,4-Dichlorobenzene	5.00	145703	1.687	20.0	655188	1.811
2,2-Dichloropropane	5.00	95898	0.4954	20.0	435617	0.5471
2-Butanone	5.00	7759	0.04010	20.0	35741	0.04490
2-Chloroethyl Vinyl Ether	5.00	18390	0.09500	20.0	86756	0.1090
2-Chlorotoluene	5.00	200954	2.327	20.0	906316	2.506
2-Hexanone	5.00	12376	0.08220	20.0	59299	0.09440
4-Chlorotoluene	5.00	186151	2.156	20.0	820278	2.268
4-Methyl-2-Pentanone	5.00	7832	0.04050	20.0	37006	0.04650
Acetone	5.00	7078	0.03660	20.0	22890	0.02880
Benzene	5.00	244118	1.261	20.0	1060116	1.332
Bromobenzene	5.00	69403	0.8037	20.0	306359	0.8470
Bromochloromethane	5.00	30801	0.1591	20.0	136635	0.1716
Bromodichloromethane	5.00	55904	0.2888	20.0	265931	0.3340
Bromomethane	5.00	47074	0.2432	20.0	195759	0.2459
Carbon Disulfide	5.00	188051	0.9714	20.0	858710	1.079
Carbon Tetrachloride	5.00	77543	0.4006	20.0	369994	0.4647

Login Number: L0505336
 Analytical Method: 8260B

Instrument ID: HPMS11
 Initial Calibration Date: 19-MAY-05

Analyte	WG189358-08			WG189358-09		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	50.0	634236	0.3072	100	1154335	0.3023
1,2-Dichloropropane	50.0	620887	0.3007	100	1151299	0.3015
Chloroform	50.0	1151650	0.5577	100	2131783	0.5583
Ethylbenzene	50.0	1114251	0.7097	100	2000820	0.6629
Toluene	50.0	2801556	1.785	100	5225897	1.731
Vinyl Chloride	50.0	407520	0.1974	100	760754	0.1992
1,1,2,2-Tetrachloroethane	50.0	327870	0.3674	100	638827	0.3680
1,1-Dichloroethane	50.0	1258634	0.6095	100	2307179	0.6042
Bromoform	50.0	239667	0.1527	100	483507	0.1602
Chlorobenzene	50.0	1846797	1.176	100	3353323	1.111
Chloromethane	50.0	414054	0.2005	100	790168	0.2069
1,1,1,2-Tetrachloroethane	50.0	619200	0.3944	100	1149818	0.3809
1,1,1-Trichloroethane	50.0	1098751	0.5321	100	2058267	0.5390
1,1,2-Trichloroethane	50.0	326600	0.2080	100	633894	0.2100
1,1-Dichloropropene	50.0	998677	0.4837	100	1865349	0.4885
1,2,3-Trichlorobenzene	50.0	738797	0.8278	100	1444245	0.8321
1,2,3-Trichloropropane	50.0	100181	0.1122	100	197413	0.1137
1,2,4-Trichlorobenzene	50.0	958903	1.074	100	1845525	1.063
1,2,4-Trimethylbenzene	50.0	2955076	3.311	100	5620666	3.238
1,2-Dibromo-3-Chloropropane	50.0	51195	0.05740	100	101383	0.05840
1,2-Dibromoethane	50.0	333988	0.2127	100	646322	0.2141
1,2-Dichlorobenzene	50.0	1312539	1.471	100	2523890	1.454
1,2-Dichloroethane	50.0	711060	0.3444	100	1363458	0.3570
1,3,5-Trimethylbenzene	50.0	2898839	3.248	100	5489160	3.163
1,3-Dichlorobenzene	50.0	1634092	1.831	100	3089219	1.780
1,3-Dichloropropane	50.0	630710	0.4017	100	1221521	0.4047
1,4-Dichlorobenzene	50.0	1600306	1.793	100	3039317	1.751
2,2-Dichloropropane	50.0	1170584	0.5669	100	2134122	0.5589
2-Butanone	50.0	69685	0.03370	100	139775	0.03660
2-Chloroethyl Vinyl Ether	50.0	205034	0.09930	100	397624	0.1041
2-Chlorotoluene	50.0	2476274	2.775	100	4331387	2.496
2-Hexanone	50.0	127962	0.08150	100	259272	0.08590
4-Chlorotoluene	50.0	2172301	2.434	100	3979155	2.293
4-Methyl-2-Pentanone	50.0	80552	0.03900	100	159298	0.04170
Acetone	50.0	41063	0.01990	100	78359	0.02050
Benzene	50.0	2734723	1.324	100	5046370	1.322
Bromobenzene	50.0	747956	0.8380	100	1413561	0.8144
Bromochloromethane	50.0	333304	0.1614	100	629204	0.1648
Bromodichloromethane	50.0	682724	0.3306	100	1294557	0.3390
Bromomethane	50.0	505749	0.2449	100	929426	0.2434
Carbon Disulfide	50.0	2244868	1.087	100	4185414	1.096
Carbon Tetrachloride	50.0	1005980	0.4872	100	1884118	0.4934

Login Number: L0505336
 Analytical Method: 8260B

Instrument ID: HPMS11
 Initial Calibration Date: 19-MAY-05

Analyte	WG189358-10		
	CONC	RESP	RF
1,1-Dichloroethene	200	2295387	0.2929
1,2-Dichloropropane	200	2250493	0.2872
Chloroform	200	4301408	0.5490
Ethylbenzene	200	3528987	0.5721
Toluene	200	10014153	1.624
Vinyl Chloride	200	1377676	0.1758
1,1,2,2-Tetrachloroethane	200	1275124	0.3626
1,1-Dichloroethane	200	4547319	0.5803
Bromoform	200	1035190	0.1678
Chlorobenzene	200	5961664	0.9665
Chloromethane	200	1552870	0.1982
1,1,1,2-Tetrachloroethane	200	2119653	0.3436
1,1,1-Trichloroethane	200	4143098	0.5287
1,1,2-Trichloroethane	200	1278263	0.2072
1,1-Dichloropropene	200	3630976	0.4634
1,2,3-Trichlorobenzene	200	2814163	0.8001
1,2,3-Trichloropropane	200	398348	0.1133
1,2,4-Trichlorobenzene	200	3540396	1.007
1,2,4-Trimethylbenzene	200	10671884	3.034
1,2-Dibromo-3-Chloropropane	200	208251	0.05920
1,2-Dibromoethane	200	1323863	0.2146
1,2-Dichlorobenzene	200	4944658	1.406
1,2-Dichloroethane	200	2670095	0.3408
1,3,5-Trimethylbenzene	200	10354611	2.944
1,3-Dichlorobenzene	200	5979496	1.700
1,3-Dichloropropane	200	2460328	0.3989
1,4-Dichlorobenzene	200	5888034	1.674
2,2-Dichloropropane	200	4284229	0.5468
2-Butanone	200	287572	0.03670
2-Chloroethyl Vinyl Ether	200	813442	0.1038
2-Chlorotoluene	200	8244113	2.344
2-Hexanone	200	508067	0.08240
4-Chlorotoluene	200	7627204	2.169
4-Methyl-2-Pentanone	200	319402	0.04080
Acetone	200	167056	0.02130
Benzene	200	9685486	1.236
Bromobenzene	200	2729043	0.7759
Bromochloromethane	200	1246963	0.1591
Bromodichloromethane	200	2676882	0.3416
Bromomethane	200	1930180	0.2463
Carbon Disulfide	200	8154703	1.041
Carbon Tetrachloride	200	3875496	0.4946

Login Number: L0505336
 Analytical Method: 8260B

Instrument ID: HPMS11
 Initial Calibration Date: 19-MAY-05

Analyte	WG189358-02			WG189358-03		
	CONC	RESP	RF	CONC	RESP	RF
Chloroethane	NA	NA	NA	0.400	3203	0.2166
Dibromochloromethane	NA	NA	NA	0.400	1901	0.1668
Dibromomethane	NA	NA	NA	0.400	1980	0.1339
Dichlorodifluoromethane	NA	NA	NA	0.400	4373	0.2957
Hexachlorobutadiene	NA	NA	NA	0.400	2481	0.3812
Isopropylbenzene	NA	NA	NA	0.400	18750	1.645
Methylene Chloride	NA	NA	NA	0.400	4578	0.3096
Naphthalene	NA	NA	NA	0.400	9203	1.414
Styrene	NA	NA	NA	0.400	11654	1.023
Tetrachloroethene	NA	NA	NA	0.400	3523	0.3091
Trichloroethene	NA	NA	NA	0.400	4600	0.3111
Trichlorofluoromethane	NA	NA	NA	0.400	7417	0.5016
Vinyl Acetate	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	NA	NA	NA	0.400	4407	0.2980
cis-1,3-Dichloropropene	NA	NA	NA	0.400	4895	0.3310
m-,p-Xylene	NA	NA	NA	0.800	16804	0.7371
n-Butylbenzene	NA	NA	NA	0.400	14342	2.204
n-Propylbenzene	NA	NA	NA	0.400	21240	3.263
o-Xylene	NA	NA	NA	0.400	7436	0.6524
p-Isopropyltoluene	NA	NA	NA	0.400	16168	2.484
sec-Butylbenzene	NA	NA	NA	0.400	19309	2.967
tert-Butylbenzene	NA	NA	NA	0.400	3608	0.5543
trans-1,2-Dichloroethene	NA	NA	NA	0.400	4613	0.3119
trans-1,3-Dichloropropene	NA	NA	NA	0.400	3863	0.3389
1,2-Dichloroethane-d4	NA	NA	NA	NA	NA	NA
Dibromofluoromethane	NA	NA	NA	NA	NA	NA
Toluene-d8	NA	NA	NA	NA	NA	NA
p-Bromofluorobenzene	NA	NA	NA	NA	NA	NA

Login Number: L0505336
 Analytical Method: 8260B

Instrument ID: HPMS11
 Initial Calibration Date: 19-MAY-05

Analyte	WG189358-04			WG189358-05		
	CONC	RESP	RF	CONC	RESP	RF
Chloroethane	1.00	8730	0.2329	2.00	17540	0.2292
Dibromochloromethane	1.00	5285	0.1829	2.00	11925	0.2007
Dibromomethane	1.00	4276	0.1141	2.00	9441	0.1233
Dichlorodifluoromethane	1.00	13314	0.3551	2.00	26126	0.3413
Hexachlorobutadiene	1.00	6771	0.4019	2.00	14796	0.4357
Isopropylbenzene	1.00	52482	1.817	2.00	115838	1.949
Methylene Chloride	1.00	11513	0.3071	2.00	22486	0.2938
Naphthalene	1.00	20247	1.202	2.00	44930	1.323
Styrene	1.00	30124	1.043	2.00	69355	1.167
Tetrachloroethene	1.00	10012	0.3466	2.00	22855	0.3846
Trichloroethene	1.00	11626	0.3101	2.00	25379	0.3316
Trichlorofluoromethane	1.00	22763	0.6071	2.00	44312	0.5789
Vinyl Acetate	1.00	10633	0.2836	2.00	22247	0.2907
cis-1,2-Dichloroethene	1.00	11093	0.2959	2.00	23461	0.3065
cis-1,3-Dichloropropene	1.00	12622	0.3367	2.00	28929	0.3780
m-,p-Xylene	2.00	43543	0.7536	4.00	96425	0.8112
n-Butylbenzene	1.00	40404	2.398	2.00	88830	2.616
n-Propylbenzene	1.00	60306	3.579	2.00	130218	3.835
o-Xylene	1.00	20097	0.6956	2.00	44124	0.7424
p-Isopropyltoluene	1.00	46986	2.789	2.00	100807	2.969
sec-Butylbenzene	1.00	54432	3.231	2.00	120438	3.547
tert-Butylbenzene	1.00	10196	0.6051	2.00	22817	0.6719
trans-1,2-Dichloroethene	1.00	10716	0.2858	2.00	24272	0.3171
trans-1,3-Dichloropropene	1.00	9673	0.3348	2.00	20819	0.3503
1,2-Dichloroethane-d4	0.500	4200	0.2240	1.00	9321	0.2436
Dibromofluoromethane	0.500	4832	0.2578	1.00	8740	0.2284
Toluene-d8	0.500	16917	1.171	1.00	28592	0.9622
p-Bromofluorobenzene	0.500	7848	0.9316	1.00	13648	0.8038

Login Number: L0505336
 Analytical Method: 8260B

Instrument ID: HPMS11
 Initial Calibration Date: 19-MAY-05

Analyte	WG189358-06			WG189358-07		
	CONC	RESP	RF	CONC	RESP	RF
Chloroethane	5.00	45961	0.2374	20.0	188858	0.2372
Dibromochloromethane	5.00	32260	0.2144	20.0	170507	0.2715
Dibromomethane	5.00	23253	0.1201	20.0	103457	0.1299
Dichlorodifluoromethane	5.00	69864	0.3609	20.0	285207	0.3582
Hexachlorobutadiene	5.00	37536	0.4347	20.0	166814	0.4612
Isopropylbenzene	5.00	290477	1.930	20.0	1316538	2.096
Methylene Chloride	5.00	54111	0.2795	20.0	235611	0.2959
Naphthalene	5.00	115618	1.339	20.0	547626	1.514
Styrene	5.00	183622	1.220	20.0	854018	1.360
Tetrachloroethene	5.00	57426	0.3816	20.0	245096	0.3902
Trichloroethene	5.00	64361	0.3325	20.0	287294	0.3609
Trichlorofluoromethane	5.00	114218	0.5900	20.0	482448	0.6060
Vinyl Acetate	5.00	59471	0.3072	20.0	275223	0.3457
cis-1,2-Dichloroethene	5.00	61774	0.3191	20.0	269742	0.3388
cis-1,3-Dichloropropene	5.00	76026	0.3927	20.0	359842	0.4520
m-,p-Xylene	10.0	247645	0.8228	40.0	1085339	0.8640
n-Butylbenzene	5.00	229685	2.660	20.0	1030507	2.849
n-Propylbenzene	5.00	339828	3.935	20.0	1519654	4.201
o-Xylene	5.00	115751	0.7691	20.0	521137	0.8297
p-Isopropyltoluene	5.00	258465	2.993	20.0	1177739	3.256
sec-Butylbenzene	5.00	313021	3.625	20.0	1414884	3.912
tert-Butylbenzene	5.00	58240	0.6744	20.0	260206	0.7194
trans-1,2-Dichloroethene	5.00	59045	0.3050	20.0	262084	0.3292
trans-1,3-Dichloropropene	5.00	59390	0.3946	20.0	286260	0.4557
1,2-Dichloroethane-d4	2.50	25051	0.2588	10.0	109926	0.2761
Dibromofluoromethane	2.50	27173	0.2807	10.0	121242	0.3046
Toluene-d8	2.50	92055	1.223	10.0	419832	1.337
p-Bromofluorobenzene	2.50	37616	0.8712	10.0	165413	0.9146

Login Number: L0505336
 Analytical Method: 8260B

Instrument ID: HPMS11
 Initial Calibration Date: 19-MAY-05

Analyte	WG189358-08			WG189358-09		
	CONC	RESP	RF	CONC	RESP	RF
Chloroethane	50.0	504664	0.2444	100	905191	0.2370
Dibromochloromethane	50.0	430835	0.2744	100	851474	0.2821
Dibromomethane	50.0	246211	0.1192	100	477377	0.1250
Dichlorodifluoromethane	50.0	766981	0.3714	100	1368398	0.3583
Hexachlorobutadiene	50.0	430793	0.4827	100	830287	0.4784
Isopropylbenzene	50.0	3413481	2.174	100	6400943	2.121
Methylene Chloride	50.0	603682	0.2924	100	1108323	0.2902
Naphthalene	50.0	1205208	1.350	100	2394549	1.380
Styrene	50.0	2135512	1.360	100	4037322	1.338
Tetrachloroethene	50.0	642757	0.4094	100	1204593	0.3991
Trichloroethene	50.0	741729	0.3592	100	1383307	0.3622
Trichlorofluoromethane	50.0	1281163	0.6205	100	2334396	0.6113
Vinyl Acetate	50.0	679571	0.3291	100	1276264	0.3342
cis-1,2-Dichloroethene	50.0	699263	0.3386	100	1283638	0.3361
cis-1,3-Dichloropropene	50.0	905049	0.4383	100	1706426	0.4469
m-,p-Xylene	100	2760252	0.8791	200	4940318	0.8184
n-Butylbenzene	50.0	2683542	3.007	100	5100121	2.938
n-Propylbenzene	50.0	3941736	4.416	100	7333292	4.225
o-Xylene	50.0	1321741	0.8419	100	2451074	0.8120
p-Isopropyltoluene	50.0	3069300	3.439	100	5790882	3.336
sec-Butylbenzene	50.0	3651621	4.091	100	6884304	3.966
tert-Butylbenzene	50.0	660946	0.7405	100	1241309	0.7152
trans-1,2-Dichloroethene	50.0	693854	0.3360	100	1259300	0.3298
trans-1,3-Dichloropropene	50.0	703195	0.4479	100	1354711	0.4488
1,2-Dichloroethane-d4	25.0	263477	0.2552	50.0	504215	0.2641
Dibromofluoromethane	25.0	306941	0.2973	50.0	564108	0.2954
Toluene-d8	25.0	1064724	1.356	50.0	1953082	1.294
p-Bromofluorobenzene	25.0	398257	0.8924	50.0	757429	0.8728

Login Number: L0505336
 Analytical Method: 8260B

Instrument ID: HPMS11
 Initial Calibration Date: 19-MAY-05

Analyte	WG189358-10		
	CONC	RESP	RF
Chloroethane	200	1807916	0.2307
Dibromochloromethane	200	1795306	0.2911
Dibromomethane	200	950196	0.1213
Dichlorodifluoromethane	200	2654195	0.3387
Hexachlorobutadiene	200	1676509	0.4767
Isopropylbenzene	200	12156282	1.971
Methylene Chloride	200	2229838	0.2846
Naphthalene	200	4763401	1.354
Styrene	200	7635511	1.238
Tetrachloroethene	200	2334584	0.3785
Trichloroethene	200	2703870	0.3451
Trichlorofluoromethane	200	4666876	0.5956
Vinyl Acetate	200	2345028	0.2993
cis-1,2-Dichloroethene	200	2557530	0.3264
cis-1,3-Dichloropropene	200	3439993	0.4390
m-,p-Xylene	400	8693535	0.7047
n-Butylbenzene	200	9590658	2.727
n-Propylbenzene	200	13432834	3.819
o-Xylene	200	4668855	0.7569
p-Isopropyltoluene	200	10980606	3.122
sec-Butylbenzene	200	12888037	3.664
tert-Butylbenzene	200	2360951	0.6713
trans-1,2-Dichloroethene	200	2485660	0.3172
trans-1,3-Dichloropropene	200	2754165	0.4465
1,2-Dichloroethane-d4	100	998668	0.2549
Dibromofluoromethane	100	1150065	0.2935
Toluene-d8	100	3936885	1.277
p-Bromofluorobenzene	100	1532066	0.8712

KEMRON Environmental Services
ALTERNATE SOURCE CALIBRATION REPORT

00093998

Login Number: L0505336	Run Date: 04/23/2005	Sample ID: WG187632-11
Instrument ID: HPMS10	Run Time: 18:10	Method: 8260B
File ID: 10M37443	Analyst: MES	
ICal Workgroup: WG187632	Cal ID: HPMS10 - 23-APR-05	

Analyte		Expected	Found	RF	%D	UNITS	Q
Chloroform	CCC	20	20.3	0.496	1.4	ug/L	
1,4-Dichlorobenzene	CCC	20	20.0	1.47	.1	ug/L	
1,1-Dichloroethene	CCC	20	20.4	0.228	2.2	ug/L	
1,2-Dichloropropane	CCC	20	20.7	0.246	3.4	ug/L	
Ethylbenzene	CCC	20	21.2	0.529	6.1	ug/L	
Hexachlorobutadiene	CCC	20	19.9	0.455	.7	ug/L	
Toluene	CCC	20	21.1	1.42	5.7	ug/L	
Vinyl Chloride	CCC	20	19.1	0.173	4.7	ug/L	
Bromoform	SPCC	20	17.6	0.143	12.1	ug/L	
Chlorobenzene	SPCC	20	20.8	0.929	4	ug/L	
Chloromethane	SPCC	20	18.7	0.216	6.6	ug/L	
1,1-Dichloroethane	SPCC	20	20.2	0.479	.8	ug/L	
1,1,2,2-Tetrachloroethane	SPCC	20	19.1	0.449	4.5	ug/L	
Acetone		20	22.3	0.0478	11.7	ug/L	
Benzene		20	20.8	0.970	4.2	ug/L	
Bromobenzene		20	20.9	0.759	4.4	ug/L	
Bromochloromethane		20	20.8	0.123	3.9	ug/L	
Bromodichloromethane		20	21.1	0.340	5.5	ug/L	
Bromomethane		20	19.6	0.127	2	ug/L	
2-Butanone		20	21.3	0.0639	6.3	ug/L	
n-Butylbenzene		20	20.5	2.41	2.6	ug/L	
sec-Butylbenzene		20	21.4	3.30	6.8	ug/L	
tert-Butylbenzene		20	20.9	0.519	4.4	ug/L	
Carbon Disulfide		20	21.8	0.820	9.2	ug/L	
Carbon Tetrachloride		20	18.7	0.331	6.5	ug/L	
Dibromochloromethane		20	18.8	0.288	6	ug/L	
Chloroethane		20	20.0	0.164	.2	ug/L	
2-Chloroethyl Vinyl Ether		20	21.9	0.0933	9.5	ug/L	
2-Chlorotoluene		20	20.8	2.55	4	ug/L	
4-Chlorotoluene		20	20.9	2.26	4.3	ug/L	
1,2-Dibromo-3-Chloropropane		20	19.0	0.0778	4.8	ug/L	
1,2-Dibromoethane		20	21.5	0.262	7.6	ug/L	
Dibromomethane		20	20.8	0.133	3.8	ug/L	
1,2-Dichlorobenzene		20	20.3	1.31	1.6	ug/L	
1,3-Dichlorobenzene		20	20.6	1.46	2.8	ug/L	
Dichlorodifluoromethane		20	20.8	0.349	4.2	ug/L	
1,2-Dichloroethane		20	19.7	0.350	1.3	ug/L	
cis-1,2-Dichloroethene		20	20.9	0.276	4.7	ug/L	
trans-1,2-Dichloroethene		20	21.1	0.260	5.3	ug/L	
1,3-Dichloropropane		20	20.1	0.429	.3	ug/L	
2,2-Dichloropropane		20	19.9	0.354	.6	ug/L	
cis-1,3-Dichloropropene		20	20.8	0.369	4.1	ug/L	

KEMRON FORMS - Modified 05/04/2005
Version 1.5 PDF File ID: 240315
Report generated 05/24/2005 13:08

KEMRON Environmental Services
ALTERNATE SOURCE CALIBRATION REPORT

00093999

Login Number: L0505336 Run Date: 04/23/2005 Sample ID: WG187632-11
Instrument ID: HPMS10 Run Time: 18:10 Method: 8260B
File ID: 10M37443 Analvst: MES
ICal Workgroup: WG187632 Cal ID: HPMS10 - 23-APR-05

Analyte	Expected	Found	RF	%D	UNITS	Q
trans-1,3-Dichloropropene	20	21.9	0.446	9.4	ug/L	
1,1-Dichloropropene	20	20.2	0.359	1	ug/L	
2-Hexanone	20	20.1	0.134	.6	ug/L	
Isopropylbenzene	20	22.1	1.54	10.7	ug/L	
p-Isopropyltoluene	20	21.2	2.65	6.1	ug/L	
4-Methyl-2-Pentanone	20	20.7	0.0551	3.3	ug/L	
Methylene Chloride	20	19.7	0.250	1.3	ug/L	
Naphthalene	20	21.1	1.41	5.4	ug/L	
n-Propylbenzene	20	21.0	3.55	4.8	ug/L	
Styrene	20	21.5	1.07	7.5	ug/L	
1,1,1,2-Tetrachloroethane	20	22.4	0.326	12	ug/L	
Tetrachloroethene	20	21.0	0.319	5	ug/L	
1,2,3-Trichlorobenzene	20	19.6	0.690	1.9	ug/L	
1,2,4-Trichlorobenzene	20	20.1	0.897	.6	ug/L	
1,1,1-Trichloroethane	20	21.1	0.429	5.6	ug/L	
1,1,2-Trichloroethane	20	20.4	0.249	2.1	ug/L	
Trichloroethene	20	21.7	0.288	8.6	ug/L	
Trichlorofluoromethane	20	20.8	0.473	3.9	ug/L	
1,2,3-Trichloropropane	20	20.7	0.161	3.6	ug/L	
1,2,4-Trimethylbenzene	20	20.7	2.71	3.4	ug/L	
1,3,5-Trimethylbenzene	20	21.4	2.65	7	ug/L	
Vinyl Acetate	20	16.1	0.247	19.5	ug/L	
o-Xylene	20	21.7	0.635	8.7	ug/L	
m-,p-Xylene	40	42.3	0.645	5.6	ug/L	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

KEMRON Environmental Services
ALTERNATE SOURCE CALIBRATION REPORT

00094000

Login Number: L0505336	Run Date: 05/19/2005	Sample ID: WG189358-11
Instrument ID: HPMS11	Run Time: 13:45	Method: 8260B
File ID: 11M27019	Analyst: CMS	
ICal Workgroup: WG189358	Cal ID: HPMS11 - 19-MAY-05	

Analyte		Expected	Found	RF	%D	UNITS	Q
Chloroform	CCC	20	22.5	0.592	12.4	ug/L	
1,1-Dichloroethene	CCC	20	21.1	0.300	5.4	ug/L	
1,2-Dichloropropane	CCC	20	21.3	0.312	6.3	ug/L	
Ethylbenzene	CCC	20	22.0	0.716	10	ug/L	
Toluene	CCC	20	21.7	1.78	8.6	ug/L	
Vinyl Chloride	CCC	20	21.5	0.210	7.3	ug/L	
Bromoform	SPCC	20	17.9	0.131	10.7	ug/L	
Chlorobenzene	SPCC	20	21.8	1.21	9.2	ug/L	
Chloromethane	SPCC	20	20.9	0.231	4.6	ug/L	
1,1-Dichloroethane	SPCC	20	21.5	0.624	7.6	ug/L	
1,1,2,2-Tetrachloroethane	SPCC	20	20.9	0.372	4.4	ug/L	
Acetone		20	16.8	0.0202	16	ug/L	
Benzene		20	21.5	1.36	7.4	ug/L	
Bromobenzene		20	21.1	0.843	5.7	ug/L	
Bromochloromethane		20	22.1	0.174	10.7	ug/L	
Bromodichloromethane		20	24.3	0.370	21.7	ug/L	
Bromomethane		20	20.7	0.253	3.3	ug/L	
2-Butanone		20	18.6	0.0357	6.9	ug/L	
n-Butylbenzene		20	21.7	2.90	8.3	ug/L	
sec-Butylbenzene		20	21.8	3.96	9.2	ug/L	
tert-Butylbenzene		20	21.6	0.722	7.9	ug/L	
Carbon Disulfide		20	21.0	1.11	5.2	ug/L	
Carbon Tetrachloride		20	19.6	0.469	2.2	ug/L	
Dibromochloromethane		20	19.3	0.259	3.5	ug/L	
Chloroethane		20	21.3	0.248	6.4	ug/L	
2-Chloroethyl Vinyl Ether		20	21.8	0.103	9.1	ug/L	
2-Chlorotoluene		20	21.7	2.59	8.4	ug/L	
4-Chlorotoluene		20	22.5	2.54	12.4	ug/L	
1,2-Dibromo-3-Chloropropane		20	19.8	0.0552	1.1	ug/L	
1,2-Dibromoethane		20	21.6	0.221	7.9	ug/L	
Dibromomethane		20	20.8	0.129	4.2	ug/L	
1,2-Dichlorobenzene		20	21.0	1.50	5.1	ug/L	
1,3-Dichlorobenzene		20	20.9	1.81	4.5	ug/L	
1,4-Dichlorobenzene		20	20.7	1.76	3.5	ug/L	
Dichlorodifluoromethane		20	29.8	0.518	49.1	ug/L	*
1,2-Dichloroethane		20	21.2	0.367	6	ug/L	
cis-1,2-Dichloroethene		20	21.9	0.350	9.4	ug/L	
trans-1,2-Dichloroethene		20	21.9	0.346	9.4	ug/L	
1,3-Dichloropropane		20	21.2	0.420	5.9	ug/L	
2,2-Dichloropropane		20	22.3	0.566	11.6	ug/L	
cis-1,3-Dichloropropene		20	23.3	0.469	16.7	ug/L	
trans-1,3-Dichloropropene		20	22.4	0.451	12.1	ug/L	

KEMRON FORMS - Modified 05/04/2005
Version 1.5 PDF File ID: 240315
Report generated 05/24/2005 13:08

KEMRON Environmental Services
ALTERNATE SOURCE CALIBRATION REPORT

00094001

Login Number: L0505336 Run Date: 05/19/2005 Sample ID: WG189358-11
Instrument ID: HPMS11 Run Time: 13:45 Method: 8260B
File ID: 11M27019 Analyst: CMS
ICal Workgroup: WG189358 Cal ID: HPMS11 - 19-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,1-Dichloropropene	20	22.4	0.496	11.8	ug/L	
2-Hexanone	20	18.4	0.0784	8	ug/L	
Hexachlorobutadiene	20	20.9	0.463	4.3	ug/L	
Isopropylbenzene	20	20.8	2.04	3.8	ug/L	
p-Isopropyltoluene	20	21.2	3.23	5.8	ug/L	
4-Methyl-2-Pentanone	20	19.9	0.0414	.6	ug/L	
Methylene Chloride	20	20.8	0.306	4.2	ug/L	
Naphthalene	20	21.1	1.44	5.7	ug/L	
n-Propylbenzene	20	21.6	4.23	8.2	ug/L	
Styrene	20	22.9	1.39	14.4	ug/L	
1,1,1,2-Tetrachloroethane	20	22.9	0.389	14.6	ug/L	
Tetrachloroethene	20	21.5	0.403	7.5	ug/L	
1,2,3-Trichlorobenzene	20	21.0	0.880	4.9	ug/L	
1,2,4-Trichlorobenzene	20	20.7	1.10	3.7	ug/L	
1,1,1-Trichloroethane	20	22.0	0.531	9.9	ug/L	
1,1,2-Trichloroethane	20	21.5	0.218	7.3	ug/L	
Trichloroethene	20	22.1	0.375	10.7	ug/L	
Trichlorofluoromethane	20	21.7	0.638	8.3	ug/L	
1,2,3-Trichloropropane	20	20.4	0.112	2	ug/L	
1,2,4-Trimethylbenzene	20	21.5	3.22	7.4	ug/L	
1,3,5-Trimethylbenzene	20	21.9	3.16	9.5	ug/L	
Vinyl Acetate	20	19.8	0.309	1.1	ug/L	
o-Xylene	20	22.4	0.854	12	ug/L	
m-,p-Xylene	40	45.0	0.898	12.4	ug/L	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094002

Login Number: L0505336 Run Date: 05/19/2005 Sample ID: WG189366-02
Instrument ID: HPMS10 Run Time: 12:27 Method: 8260B
File ID: 10M38103 Analyst: MES
Workgroup (AAB#): WG189367 Cal ID: HPMS10 - 23-APR-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Chloroform	CCC	50	49.4	0.484	1.2	ug/L	
1,1-Dichloroethene	CCC	50	48.6	0.217	2.9	ug/L	
1,2-Dichloropropane	CCC	50	46.8	0.223	6.4	ug/L	
Ethylbenzene	CCC	50	51.2	0.510	2.3	ug/L	
Toluene	CCC	50	49.7	1.34	.6	ug/L	
Vinyl Chloride	CCC	50	50.4	0.183	.9	ug/L	
Bromoform	SPCC	50	49.2	0.164	1.6	ug/L	
Chlorobenzene	SPCC	50	49.6	0.886	.7	ug/L	
Chloromethane	SPCC	50	48.7	0.225	2.5	ug/L	
1,1-Dichloroethane	SPCC	50	48.1	0.457	3.9	ug/L	
1,1,2,2-Tetrachloroethane	SPCC	50	42.6	0.401	14.8	ug/L	
Acetone		50	46.9	0.0401	6.1	ug/L	
Benzene		50	48.8	0.908	2.4	ug/L	
Bromobenzene		50	49.2	0.715	1.6	ug/L	
Bromochloromethane		50	48.0	0.114	4	ug/L	
Bromodichloromethane		50	48.2	0.311	3.7	ug/L	
Bromomethane		50	49.1	0.127	1.9	ug/L	
2-Butanone		50	40.5	0.0487	19.1	ug/L	
n-Butylbenzene		50	51.3	2.41	2.5	ug/L	
sec-Butylbenzene		50	51.2	3.16	2.4	ug/L	
tert-Butylbenzene		50	50.7	0.504	1.4	ug/L	
Carbon Disulfide		50	50.7	0.762	1.5	ug/L	
Carbon Tetrachloride		50	52.9	0.387	5.9	ug/L	
Dibromochloromethane		50	49.0	0.300	2	ug/L	
Chloroethane		50	48.7	0.160	2.6	ug/L	
2-Chloroethyl Vinyl Ether		50	52.6	0.0897	5.2	ug/L	
2-Chlorotoluene		50	49.6	2.44	.8	ug/L	
4-Chlorotoluene		50	49.9	2.16	.2	ug/L	
1,2-Dibromo-3-Chloropropane		50	42.8	0.0735	14.5	ug/L	
1,2-Dibromoethane		50	48.7	0.237	2.7	ug/L	
Dibromomethane		50	47.7	0.122	4.7	ug/L	
1,2-Dichlorobenzene		50	47.6	1.22	4.9	ug/L	
1,3-Dichlorobenzene		50	49.3	1.40	1.3	ug/L	
1,4-Dichlorobenzene		50	47.8	1.41	4.3	ug/L	
Dichlorodifluoromethane		50	43.1	0.288	13.8	ug/L	
1,2-Dichloroethane		50	48.0	0.340	4	ug/L	
cis-1,2-Dichloroethene		50	48.0	0.253	4	ug/L	
trans-1,2-Dichloroethene		50	48.6	0.240	2.8	ug/L	
1,3-Dichloropropane		50	44.4	0.380	11.2	ug/L	
2,2-Dichloropropane		50	55.7	0.396	11.3	ug/L	
cis-1,3-Dichloropropene		50	49.4	0.350	1.2	ug/L	
trans-1,3-Dichloropropene		50	52.6	0.429	5.3	ug/L	

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 240319
Report generated 05/24/2005 13:09

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094003

Login Number: L0505336 Run Date: 05/19/2005 Sample ID: WG189366-02
Instrument ID: HPMS10 Run Time: 12:27 Method: 8260B
File ID: 10M38103 Analyst: MES
Workgroup (AAB#): WG189367 Cal ID: HPMS10 - 23-APR-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,1-Dichloropropene	50	49.1	0.349	1.7	ug/L	
2-Hexanone	50	42.3	0.113	15.4	ug/L	
Hexachlorobutadiene	50	54.2	0.497	8.5	ug/L	
Isopropylbenzene	50	57.3	1.59	14.6	ug/L	
p-Isopropyltoluene	50	53.7	2.68	7.3	ug/L	
4-Methyl-2-Pentanone	50	43.2	0.0461	13.6	ug/L	
Methylene Chloride	50	44.1	0.223	11.9	ug/L	
Naphthalene	50	48.6	1.30	2.9	ug/L	
n-Propylbenzene	50	50.8	3.45	1.7	ug/L	
Styrene	50	50.7	1.01	1.3	ug/L	
1,1,1,2-Tetrachloroethane	50	57.4	0.334	14.8	ug/L	
Tetrachloroethene	50	52.0	0.316	4	ug/L	
1,2,3-Trichlorobenzene	50	54.6	0.767	9.1	ug/L	
1,2,4-Trichlorobenzene	50	50.4	0.899	.8	ug/L	
1,1,1-Trichloroethane	50	56.0	0.456	12.1	ug/L	
1,1,2-Trichloroethane	50	45.5	0.222	8.9	ug/L	
Trichloroethene	50	50.5	0.268	1.1	ug/L	
Trichlorofluoromethane	50	55.0	0.500	10	ug/L	
1,2,3-Trichloropropane	50	46.0	0.143	7.9	ug/L	
1,2,4-Trimethylbenzene	50	50.2	2.64	.5	ug/L	
1,3,5-Trimethylbenzene	50	51.4	2.55	2.8	ug/L	
Vinyl Acetate	50	42.9	0.263	14.2	ug/L	
o-Xylene	50	51.2	0.598	2.4	ug/L	
m-, p-Xylene	100	102	0.621	1.7	ug/L	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094004

Login Number: L0505336 Run Date: 05/19/2005 Sample ID: WG189414-02
Instrument ID: HPMS11 Run Time: 15:46 Method: 8260B
File ID: 11M27023 Analvt: CMS
Workgroup (AAB#): WG189416 Cal ID: HPMS11 - 19-MAY-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Chloroform	CCC	50	53.3	0.561	6.6	ug/L	
1,1-Dichloroethene	CCC	50	55.0	0.313	10	ug/L	
1,2-Dichloropropane	CCC	50	50.9	0.298	1.8	ug/L	
Ethylbenzene	CCC	50	55.6	0.723	11.1	ug/L	
Toluene	CCC	50	55.5	1.82	11.1	ug/L	
Vinyl Chloride	CCC	50	51.7	0.203	3.4	ug/L	
Bromoform	SPCC	50	46.3	0.142	7.4	ug/L	
Chlorobenzene	SPCC	50	54.0	1.20	8	ug/L	
Chloromethane	SPCC	50	47.6	0.210	4.9	ug/L	
1,1-Dichloroethane	SPCC	50	52.9	0.614	5.8	ug/L	
1,1,2,2-Tetrachloroethane	SPCC	50	48.5	0.346	2.9	ug/L	
Acetone		50	39.0	0.0173	22	ug/L	
Benzene		50	53.5	1.36	7	ug/L	
Bromobenzene		50	52.4	0.836	4.8	ug/L	
Bromochloromethane		50	51.0	0.161	1.9	ug/L	
Bromodichloromethane		50	53.0	0.322	6	ug/L	
Bromomethane		50	51.4	0.252	2.9	ug/L	
2-Butanone		50	38.6	0.0296	22.9	ug/L	
n-Butylbenzene		50	57.8	3.09	15.6	ug/L	
sec-Butylbenzene		50	57.9	4.20	15.7	ug/L	
tert-Butylbenzene		50	56.9	0.761	13.8	ug/L	
Carbon Disulfide		50	52.9	1.12	5.7	ug/L	
Carbon Tetrachloride		50	49.5	0.483	1.1	ug/L	
Dibromochloromethane		50	47.6	0.262	4.7	ug/L	
Chloroethane		50	52.2	0.243	4.4	ug/L	
2-Chloroethyl Vinyl Ether		50	49.5	0.0937	1	ug/L	
2-Chlorotoluene		50	59.4	2.84	18.7	ug/L	
4-Chlorotoluene		50	54.3	2.46	8.7	ug/L	
1,2-Dibromo-3-Chloropropane		50	46.6	0.0521	6.8	ug/L	
1,2-Dibromoethane		50	49.7	0.203	.7	ug/L	
Dibromomethane		50	47.1	0.116	5.8	ug/L	
1,2-Dichlorobenzene		50	50.9	1.46	1.9	ug/L	
1,3-Dichlorobenzene		50	52.8	1.82	5.5	ug/L	
1,4-Dichlorobenzene		50	52.7	1.79	5.3	ug/L	
Dichlorodifluoromethane		50	52.6	0.366	5.2	ug/L	
1,2-Dichloroethane		50	48.8	0.337	2.4	ug/L	
cis-1,2-Dichloroethene		50	52.9	0.339	5.8	ug/L	
trans-1,2-Dichloroethene		50	53.6	0.339	7.1	ug/L	
1,3-Dichloropropane		50	49.2	0.390	1.6	ug/L	
2,2-Dichloropropane		50	55.8	0.566	11.6	ug/L	
cis-1,3-Dichloropropene		50	53.4	0.429	6.8	ug/L	
trans-1,3-Dichloropropene		50	53.1	0.427	6.2	ug/L	

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 240319
Report generated 05/24/2005 13:09

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094005

Login Number: L0505336 Run Date: 05/19/2005 Sample ID: WG189414-02
Instrument ID: HPMS11 Run Time: 15:46 Method: 8260B
File ID: 11M27023 Analyst: CMS
Workgroup (AAB#): WG189416 Cal ID: HPMS11 - 19-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,1-Dichloropropene	50	55.6	0.493	11.1	ug/L	
2-Hexanone	50	43.5	0.0742	13	ug/L	
Hexachlorobutadiene	50	55.7	0.495	11.4	ug/L	
Isopropylbenzene	50	56.5	2.22	13.1	ug/L	
p-Isopropyltoluene	50	57.7	3.52	15.3	ug/L	
4-Methyl-2-Pentanone	50	43.1	0.0359	13.8	ug/L	
Methylene Chloride	50	49.3	0.290	1.3	ug/L	
Naphthalene	50	47.6	1.29	4.9	ug/L	
n-Propylbenzene	50	57.9	4.53	15.8	ug/L	
Styrene	50	56.0	1.37	12.1	ug/L	
1,1,1,2-Tetrachloroethane	50	56.9	0.386	13.7	ug/L	
Tetrachloroethene	50	55.7	0.418	11.4	ug/L	
1,2,3-Trichlorobenzene	50	48.0	0.807	3.9	ug/L	
1,2,4-Trichlorobenzene	50	49.4	1.05	1.2	ug/L	
1,1,1-Trichloroethane	50	56.3	0.545	12.6	ug/L	
1,1,2-Trichloroethane	50	49.6	0.202	.8	ug/L	
Trichloroethene	50	54.0	0.366	8	ug/L	
Trichlorofluoromethane	50	52.8	0.622	5.6	ug/L	
1,2,3-Trichloropropane	50	47.4	0.105	5.1	ug/L	
1,2,4-Trimethylbenzene	50	56.6	3.39	13.1	ug/L	
1,3,5-Trimethylbenzene	50	57.8	3.34	15.6	ug/L	
Vinyl Acetate	50	48.6	0.304	2.7	ug/L	
o-Xylene	50	56.0	0.854	12	ug/L	
m-, p-Xylene	100	112	0.895	12	ug/L	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094006

Login Number: L0505336 Run Date: 05/20/2005 Sample ID: WG189444-02
Instrument ID: HPMS10 Run Time: 09:32 Method: 8260B
File ID: 10M38134 Analyst: MES
Workgroup (AAB#): WG189445 Cal ID: HPMS10 - 23-APR-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Chloroform	CCC	50	52.1	0.510	4.2	ug/L	
1,1-Dichloroethene	CCC	50	50.9	0.227	1.8	ug/L	
1,2-Dichloropropane	CCC	50	48.9	0.232	2.2	ug/L	
Ethylbenzene	CCC	50	51.1	0.509	2.1	ug/L	
Toluene	CCC	50	49.6	1.34	.7	ug/L	
Vinyl Chloride	CCC	50	57.4	0.208	14.8	ug/L	
Bromoform	SPCC	50	54.8	0.182	9.5	ug/L	
Chlorobenzene	SPCC	50	49.9	0.892	.1	ug/L	
Chloromethane	SPCC	50	52.8	0.244	5.5	ug/L	
1,1-Dichloroethane	SPCC	50	50.7	0.481	1.3	ug/L	
1,1,2,2-Tetrachloroethane	SPCC	50	45.7	0.430	8.5	ug/L	
Acetone		50	53.6	0.0458	7.1	ug/L	
Benzene		50	50.1	0.932	.2	ug/L	
Bromobenzene		50	48.8	0.709	2.4	ug/L	
Bromochloromethane		50	51.5	0.122	3	ug/L	
Bromodichloromethane		50	51.9	0.335	3.9	ug/L	
Bromomethane		50	53.6	0.139	7.1	ug/L	
2-Butanone		50	46.6	0.0561	6.7	ug/L	
n-Butylbenzene		50	47.1	2.21	5.8	ug/L	
sec-Butylbenzene		50	48.1	2.97	3.7	ug/L	
tert-Butylbenzene		50	49.0	0.487	1.9	ug/L	
Carbon Disulfide		50	50.5	0.759	1	ug/L	
Carbon Tetrachloride		50	57.7	0.422	15.3	ug/L	
Dibromochloromethane		50	52.8	0.323	5.6	ug/L	
Chloroethane		50	50.8	0.167	1.6	ug/L	
2-Chloroethyl Vinyl Ether		50	55.7	0.0950	11.5	ug/L	
2-Chlorotoluene		50	49.1	2.41	1.9	ug/L	
4-Chlorotoluene		50	47.8	2.07	4.4	ug/L	
1,2-Dibromo-3-Chloropropane		50	45.9	0.0791	8.3	ug/L	
1,2-Dibromoethane		50	50.7	0.247	1.4	ug/L	
Dibromomethane		50	51.1	0.131	2.3	ug/L	
1,2-Dichlorobenzene		50	47.0	1.21	6.1	ug/L	
1,3-Dichlorobenzene		50	48.2	1.37	3.5	ug/L	
1,4-Dichlorobenzene		50	47.2	1.39	5.5	ug/L	
Dichlorodifluoromethane		50	44.6	0.298	10.8	ug/L	
1,2-Dichloroethane		50	53.2	0.377	6.4	ug/L	
cis-1,2-Dichloroethene		50	50.2	0.265	.5	ug/L	
trans-1,2-Dichloroethene		50	50.8	0.251	1.5	ug/L	
1,3-Dichloropropane		50	46.5	0.398	6.9	ug/L	
2,2-Dichloropropane		50	61.3	0.436	22.5	ug/L	
cis-1,3-Dichloropropene		50	52.7	0.373	5.3	ug/L	
trans-1,3-Dichloropropene		50	56.5	0.460	13	ug/L	

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 240319
Report generated 05/24/2005 13:09

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094007

Login Number: L0505336 Run Date: 05/20/2005 Sample ID: WG189444-02
Instrument ID: HPMS10 Run Time: 09:32 Method: 8260B
File ID: 10M38134 Analyst: MES
Workgroup (AAB#): WG189445 Cal ID: HPMS10 - 23-APR-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,1-Dichloropropene	50	51.7	0.367	3.3	ug/L	
2-Hexanone	50	47.7	0.127	4.6	ug/L	
Hexachlorobutadiene	50	42.3	0.388	15.3	ug/L	
Isopropylbenzene	50	57.4	1.60	14.7	ug/L	
p-Isopropyltoluene	50	51.1	2.55	2.3	ug/L	
4-Methyl-2-Pentanone	50	48.6	0.0519	2.7	ug/L	
Methylene Chloride	50	46.5	0.236	7	ug/L	
Naphthalene	50	47.9	1.28	4.3	ug/L	
n-Propylbenzene	50	49.1	3.33	1.7	ug/L	
Styrene	50	50.8	1.01	1.6	ug/L	
1,1,1,2-Tetrachloroethane	50	60.0	0.349	20.1	ug/L	
Tetrachloroethene	50	53.0	0.322	6	ug/L	
1,2,3-Trichlorobenzene	50	50.1	0.704	.1	ug/L	
1,2,4-Trichlorobenzene	50	47.7	0.851	4.5	ug/L	
1,1,1-Trichloroethane	50	60.7	0.493	21.3	ug/L	
1,1,2-Trichloroethane	50	47.1	0.230	5.7	ug/L	
Trichloroethene	50	51.7	0.274	3.4	ug/L	
Trichlorofluoromethane	50	60.2	0.548	20.4	ug/L	
1,2,3-Trichloropropane	50	50.0	0.156	.1	ug/L	
1,2,4-Trimethylbenzene	50	48.5	2.55	2.9	ug/L	
1,3,5-Trimethylbenzene	50	50.0	2.48	0	ug/L	
Vinyl Acetate	50	52.8	0.323	5.6	ug/L	
o-Xylene	50	51.3	0.599	2.7	ug/L	
m-, p-Xylene	100	102	0.625	2.4	ug/L	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

00094008

Login Number: L0505336
Instrument ID: HPMS10
Workgroup (AAB#): WG189367

CCV Number: WG189366-02
CAL ID: HPMS10 - 23-APR-05
Matrix: WATER

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG189366-02	NA	NA	273597	512693	709979
Upper Limit	NA	NA	547194	1025386	1419958
Lower Limit	NA	NA	136799	256347	354990
<u>L0505336-01</u>	<u>1.00</u>	<u>01</u>	<u>251370</u>	<u>465042</u>	<u>638794</u>
L0505336-02	1.00	01	253259	481830	679282
L0505336-03	1.00	01	254739	480462	655250
L0505336-04	1.00	01	247990	467912	652874
L0505336-05	1.00	01	247930	456896	626552
L0505336-06	1.00	01	247576	456213	633980
L0505336-14	1.00	01	243778	456270	635367
L0505336-15	1.00	01	263472	477677	647686
L0505336-16	1.00	01	264163	481911	663431
WG189367-01	1.00	01	259020	491930	685664
WG189367-02	1.00	01	268006	499550	688859

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

00094009

Login Number: L0505336
Instrument ID: HPMS11
Workgroup (AAB#): WG189416

CCV Number: WG189414-02
CAL ID: HPMS11 - 19-MAY-05
Matrix: WATER

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG189414-02	NA	NA	429985	756845	990989
Upper Limit	NA	NA	859970	1513690	1981978
Lower Limit	NA	NA	214993	378423	495495
L0505336-08	1.00	01	423808	720794	917375
L0505336-09	1.00	01	413276	711484	921400
L0505336-10	1.00	01	421559	688422	881565
L0505336-11	1.00	01	411157	704591	905789
L0505336-12	1.00	01	402173	691576	888304
L0505336-13	1.00	01	410060	707963	912676
L0505336-17	1.00	01	429935	696111	899799
L0505336-18	1.00	01	411301	699896	903034
L0505336-19	1.00	01	406861	688497	869313
L0505336-20	1.00	01	403469	688089	878538
L0505336-21	1.00	01	401819	658872	852702
L0505336-22	1.00	01	394865	673475	862162
L0505336-23	1.00	01	397054	668189	849195
WG189416-01	1.00	01	428676	739071	949853
WG189416-02	1.00	01	436277	760300	966539
WG189416-03	1.00	01	437394	758781	968527

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

00094010

Login Number: L0505336
Instrument ID: HPMS10
Workgroup (AAB#): WG189445

CCV Number: WG189444-02
CAL ID: HPMS10 - 23-APR-05
Matrix: WATER

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG189444-02	NA	NA	262501	476229	635959
Upper Limit	NA	NA	525002	952458	1271918
Lower Limit	NA	NA	131251	238115	317980
L0505336-07	1.00	01	253139	471252	655739
WG189445-01	1.00	01	248905	457530	626063
WG189445-02	1.00	01	256493	473701	642644

IS-1 - 1,4-Dichlorobenzene-d4

IS-2 - Chlorobenzene-d5

IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

00094011

Login Number: L0505336
Instrument ID: HPMS10
Workgroup (AAB#): WG189367

CCV Number: WG189366-02
CAL ID: HPMS10-23-APR-05
Matrix: WATER

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG189366-02	NA	NA	15.65	12.68	8.84
Upper Limit	NA	NA	16.15	13.18	9.34
Lower Limit	NA	NA	15.15	12.18	8.34
L0505336-01	1.00	01	15.65	12.68	8.84
L0505336-02	1.00	01	15.65	12.67	8.84
L0505336-03	1.00	01	15.65	12.67	8.84
L0505336-04	1.00	01	15.65	12.67	8.84
L0505336-05	1.00	01	15.65	12.67	8.84
L0505336-06	1.00	01	15.65	12.68	8.83
L0505336-14	1.00	01	15.65	12.68	8.84
L0505336-15	1.00	01	15.65	12.68	8.83
L0505336-16	1.00	01	15.65	12.67	8.84
WG189367-01	1.00	01	15.65	12.68	8.84
WG189367-02	1.00	01	15.65	12.67	8.84

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

00094012

Login Number: L0505336
Instrument ID: HPMS11
Workgroup (AAB#): WG189416

CCV Number: WG189414-02
CAL ID: HPMS11-19-MAY-05
Matrix: WATER

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG189414-02	NA	NA	17.28	14.47	10.83
Upper Limit	NA	NA	17.78	14.97	11.33
Lower Limit	NA	NA	16.78	13.97	10.33
L0505336-08	1.00	01	17.283	14.47	10.831
L0505336-09	1.00	01	17.283	14.47	10.831
L0505336-10	1.00	01	17.283	14.47	10.831
L0505336-11	1.00	01	17.283	14.47	10.831
L0505336-12	1.00	01	17.283	14.47	10.831
L0505336-13	1.00	01	17.283	14.47	10.831
L0505336-17	1.00	01	17.283	14.47	10.831
L0505336-18	1.00	01	17.288	14.47	10.831
L0505336-19	1.00	01	17.283	14.47	10.825
L0505336-20	1.00	01	17.283	14.47	10.831
L0505336-21	1.00	01	17.283	14.47	10.83
L0505336-22	1.00	01	17.283	14.47	10.831
L0505336-23	1.00	01	17.283	14.47	10.831
WG189416-01	1.00	01	17.283	14.47	10.825
WG189416-02	1.00	01	17.283	14.47	10.831
WG189416-03	1.00	01	17.283	14.47	10.831

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

00094013

Login Number: L0505336
Instrument ID: HPMS10
Workgroup (AAB#): WG189445

CCV Number: WG189444-02
CAL ID: HPMS10-23-APR-05
Matrix: WATER

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG189444-02	NA	NA	15.65	12.67	8.83
Upper Limit	NA	NA	16.15	13.17	9.33
Lower Limit	NA	NA	15.15	12.17	8.33
L0505336-07	1.00	01	15.65	12.67	8.84
WG189445-01	1.00	01	15.65	12.67	8.84
WG189445-02	1.00	01	15.65	12.67	8.84

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: LHAAP-021

Page 1 of 2

Project Number: 845714

Samples Shipment Date: 16 MAY 2005

Bill To: Diane Meyer

3010 Briarpark Drive

Houston

TX 77042

Project Name: Longhorn Army Ammunition Plant Lab Destination: Kemron Lab

Sample Coordinator: Phil Conley

Lab Contact: Stephanie Mossburg

Report To: Diane Meyer

3010 Briarpark Drive

Houston

TX 77042

Turnaround Time:

Project Contact: Diane Meyer

Carrier/Waybill No.: UPS/J178 825 544 2

Special Instructions:

Possible Hazard Identification:

Non-hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown ☐Radiological ☐

Sample Disposal:

Return to Client ☐Disposal by Lab ☐

Archive

(mos.)

1. Relinquished By
(Signature/Affiliation)Date: 05/16/05
Time: 17001. Received By
(Signature/Affiliation)Date: 5/17/05
Time: 09402. Relinquished By
(Signature/Affiliation)Date:
Time:2. Received By
(Signature/Affiliation)Date:
Time:3. Relinquished By
(Signature/Affiliation)Date:
Time:3. Received By
(Signature/Affiliation)Date:
Time:

Comments:

1c sealed
sp intact
Cooler Temp 1
649

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	File	CID	Condition On Receipt
051305-ER	LHSMW67-WA-051305-ER-ER	13 MAY 2005	17:00	40 mL VOA VIAL	3	HCl<pH 2	Volatiles by SW8260B				N KL131	
051305-TB-2	29WW01-BW-051305-TB-2-TB	13 MAY 2005	07:00	40 mL VOA VIAL	2	HCl<pH 2	Volatiles by SW8260B				N	
051405-TB-1	29WW10-BW-051405-TB-1-TB	14 MAY 2005	07:00	40 mL VOA VIAL	2	HCl<pH 2	Volatiles by SW8260B				N	
051505-TB-1	118-BW-051505-TB-1-TB	15 MAY 2005	07:00	40 mL VOA VIAL	2	HCl<pH 2	Volatiles by SW8260B				N	
29WW01-MAY05	29WW01-GW-29WW01-MAY05-REG	13 MAY 2005	16:25	40 mL VOA VIAL	3	HCl<pH 2	Volatiles by SW8260B				N KL131	
29WW02-MAY05	29WW02-GW-29WW02-MAY05-REG	14 MAY 2005	14:00	40 mL VOA VIAL	3	HCl<pH 2	Volatiles by SW8260B				N KL131	
29WW06-MAY05	29WW06-GW-29WW06-MAY05-REG	15 MAY 2005	11:50	40 mL VOA VIAL	3	HCl<pH 2	Volatiles by SW8260B				N KL131	
29WW07-MAY05	29WW07-GW-29WW07-MAY05-REG	14 MAY 2005	12:00	40 mL VOA VIAL	3	HCl<pH 2	Volatiles by SW8260B				N KL131	



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: LHAAP-021

Page 2 of 2

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Sample Vol	Units	File	CID	Condition On Receipt
29WW08-MAY05	29WW08-GW-29WW08-MAY05-REG	14 MAY 2005	09:50	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B				N KL131	
29WW11-MAY05	29WW11-GW-29WW11-MAY05-REG	14 MAY 2005	10:53	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B				N KL131	
29WW114-MAY05	29WW114-GW-29WW114-MAY05-REG	14 MAY 2005	12:00	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B				N KL131	
29WW116-MAY05	29WW116-GW-29WW116-MAY05-REG	14 MAY 2005	13:51	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B				N KL131	
29WW117-MAY05	29WW117-GW-29WW117-MAY05-REG	14 MAY 2005	09:25	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B				N KL131	
29WW118-MAY05	29WW118-GW-29WW118-MAY05-REG	15 MAY 2005	09:25	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B				N KL131	
29WW118-MAY05	29WW118-GW-29WW118-MAY05-MS-MS	15 MAY 2005	09:25	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B				N KL131	
29WW118-MAY05	29WW118-GW-29WW118-MAY05-MSD-MSD	15 MAY 2005	09:25	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B				N KL131	
29WW12-MAY05	29WW12-GW-29WW12-MAY05-REG	15 MAY 2005	09:08	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B				N KL131	
29WW13-MAY05	29WW13-GW-29WW13-MAY05-REG	15 MAY 2005	09:10	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B				N KL131	
29WW14-MAY05	29WW14-GW-29WW14-MAY05-REG	14 MAY 2005	17:10	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B				N KL131	
29WW18-MAY05	29WW18-GW-29WW18-MAY05-REG	14 MAY 2005	14:00	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B				N KL131	
29WW25-MAY05	29WW25-GW-29WW25-MAY05-REG	14 MAY 2005	10:00	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B				N KL131	
29WW27-MAY05	29WW27-GW-29WW27-MAY05-REG	14 MAY 2005	16:15	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B				N KL131	
29WW28-MAY05	29WW28-GW-29WW28-MAY05-REG	15 MAY 2005	09:40	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B				N KL131	
LHSMW71-MAY05	LHSMW71-GW-LHSMW71-MAY05-REG	14 MAY 2005	13:00	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B				N KL131	

Login: L0505336

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 23

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505336-01 133397 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:50	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:50	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:50	MES	BRG

Samplenum **Container ID** **Products**

L0505336-02 133398 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:50	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:50	MES	BRG

Samplenum **Container ID** **Products**

L0505336-03 133399 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:50	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:50	MES	BRG

Login: L0505336

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 23

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505336-04 133400 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:50	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:50	MES	BRG

Samplenum **Container ID** **Products**

L0505336-05 133401 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:50	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:50	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:50	MES	BRG

Samplenum **Container ID** **Products**

L0505336-06 133402 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:50	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:50	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:50	MES	BRG

Login: L0505336

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 23

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505336-07 133403 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:50	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:50	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:50	MES	BRG

Samplenum **Container ID** **Products**

L0505336-08 133404 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:50	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:50	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:50	MES	BRG

Login: L0505336

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 23

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505336-09 133405 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:50	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:50	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:50	MES	BRG

Samplenum **Container ID** **Products**

L0505336-10 133406 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:50	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:50	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:51	MES	BRG

Login: L0505336

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 23

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505336-11 133407 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:51	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:51	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:51	MES	BRG

Samplenum **Container ID** **Products**

L0505336-12 133408 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:51	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:51	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:51	MES	BRG

Login: L0505336

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 23

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505336-13 133409 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:51	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:51	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:51	MES	BRG

Samplenum **Container ID** **Products**

L0505336-14 133410 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:51	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:51	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:51	MES	BRG

Login: L0505336

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 23

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505336-15 133411 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:51	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:51	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:51	MES	BRG

Samplenum **Container ID** **Products**

L0505336-16 133412 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:51	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:51	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:51	MES	BRG

Login: L0505336

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 23

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505336-17 133413 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:51	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:51	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:51	MES	BRG

Samplenum **Container ID** **Products**

L0505336-18 133414 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:51	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:51	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:51	MES	BRG

Samplenum **Container ID** **Products**

L0505336-19 133415 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	

Login: L0505336

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 23

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505336-20 133416 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:51	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:51	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:51	MES	BRG

Samplenum **Container ID** **Products**

L0505336-21 133417 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:52	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:53	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:53	MES	BRG

Login: L0505336

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 23

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505336-22 133418 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:53	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:53	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:53	MES	BRG

Samplenum **Container ID** **Products**

L0505336-23 133419 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:53	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:53	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:24	BRG	
2	ANALYZ	V1	ORG4	17-MAY-2005 15:53	MES	BRG

SAMPLE RECEIPT FORM

00094026

Date: 5-17-05 Client: SHAW-LH156 STARLITE DRIVE
MARIETTA, OH
45750
(740) 373-4071Shipped By: () Fed-Ex (☒) UPS () DHL () KEMRON () Client () OtherOpened By: BLGLogged By: BLG Login # L05 05336IR Temp Gun: ☒ D () F

COOLER INFORMATION

Number	Cooler ID	Temp °C	Airbill#	COC#	Other
1	KL1484	3	J1788255433	026	
2	KL1579	4	J1788255424	023	
3	KL1316	1	J1788255442	021	
4	KL1665	2	J1788255460	019	
5	KL1045	2	J1800104053	025	
6	KL1706	5	J1788255406	024	

Were all coolers sealed?

☒ Y N N/A

Were custody seals used on all coolers?

☒ Y N N/A

Were custody seals intact?

☒ Y N N/A

Was visible ice present?

☒ Y N N/A

Were all coolers in the temperature range of 2-6C? (>6C*)

Y ☒ N N/A

Were the samples frozen?*

Y ☒ N N/A

Were COC papers provided?

☒ Y N N/A

Were all sample containers intact?*

☒ Y N N/A

Were all sample labels intact?

☒ Y N N/A

Were all sample labels legible?*

☒ Y N N/A

Did all sample labels match the COC?*

Y ☒ N N/A

Was the label information complete?*

☒ Y N N/A

Were the correct containers used?*

☒ Y N N/A

Were the correct preservatives added to water samples?*

☒ Y N N/A

Was the pH tested on preserved water samples?

Y N ☒ N/A

Were pH ranges acceptable?*

Y N ☒ N/A

Was sufficient amount of sample provided?*

☒ Y N N/A

Were bubbles present in VOA samples?*

Y ☒ N N/A

Were COC's signed and dated?

☒ Y N N/A

Did samples arrive before hold time expired?*

☒ Y N N/A

Are discrepancy forms attached?

☒ Y N N/A

*Requires a discrepancy form

CRF #1

Revised 8/22/03

Comments: _____

CRF#4

Sample Discrepancy Form

Client: Shaw Project: C/c 021

Date Received: 5/17

_____ Cooler temperature > than 6 degrees Celsius

Reason _____

_____ Samples received not on chain of custody

_____ Samples on chain of custody not received

✓ Information on sample containers different from chain of custody

C/c 051305-ER 5/13 @ 1700 = label 5/14 @ 1700
C/c 29ww14-may05 5/14 @ 1710 = label 5/13 @ 1710
C/c 29ww25-may05 5/14 @ 1000 = label 5/13 @ 1000
C/c 29ww27-may05 5/14 @ 1615 = label 5/13

Sample containers received broken, leaking or not sealed (List sample ID)
C/c LHSmw71-may05 5/14 @ 1300 = label 5/13

_____ pH out (List sample ID, which container, pH prior to adjusting, amount of acid, preservative)

_____ Insufficient sample volume

_____ Air bubbles present in VOA vials (List sample ID)

_____ Hold time expired (List sample ID)

Service Representative:

Was client notified regarding information: YES

NO

Name of Person contacted: _____

Company: _____

Service Representative: _____

Date: _____

Last Revised 08/22/03



156 Starlite Drive, Marietta, OH 45750 • TEL 740-373-4071 • FAX 740-373-4835 • <http://www.kemron.com>

Laboratory Report Number: L0505337

Please find enclosed the analytical results for the samples you submitted to KEMRON Environmental Services.

Review and compilation of your report was completed by KEMRON's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact our team member noted in the Reviewed box below at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

Debra Elliott - Team Leader
delliott@kemron-lab.com

Amanda Fickiesen - Client Services Specialist
afickiesen@kemron-lab.com

Cheryl Koelsch - Team Chemist/Data Specialist
ckoelsch@kemron-lab.com

Annie Bock - Client Services Specialist
abock@kemron-lab.com

Stephanie Mossburg - Team Chemist/Data Specialist
smossburg@kemron-lab.com

Vicki Lauer - Client Services Specialist
vlauer@kemron-lab.com

Kathy Albertson - Team Chemist/Data Specialist
kalbertson@kemron-lab.com

Micalyn Harris - Team Chemist/Data Specialist
mharris@kemron-lab.com

This report was reviewed on May 24, 2005:

A handwritten signature in cursive script, reading "Stephanie Mossburg".

I certify that all test results meet all of the requirements of the NELAP standards and other applicable contract terms and conditions. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on an 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of KEMRON Environmental Services.

This report was certified on May 24, 2005:

A handwritten signature in cursive script, reading "David E. Vandenberg".

FL DOH NELAP ID: E87551

This report contains a total of **188** pages.

Protecting Our Environmental Future

LABORATORY REPORT

L0505337

00094029

05/24/05 14:52

Submitted By

KEMRON Environmental Services

156 Starlite Drive

Marietta, OH 45750

(740) 373 - 4071

For

Account Name: Shaw E & I, Inc.

ABB Lummus Building

3010 Briarpark

Houston, TX 77042

Attention: Diane Mever

Account Number: 307-ALLIANCE-798

Work ID: LONGHORN AAP

P.O. Number: 98696

Sample Summary

Client ID	Lab ID	Date Collected	Date Received
051405-ER	L0505337-01	14-MAY-05	17-MAY-05
051505-ER	L0505337-02	16-MAY-05	17-MAY-05
051505-TB-2	L0505337-03	16-MAY-05	17-MAY-05
29WW05-MAY05	L0505337-04	16-MAY-05	17-MAY-05
29WW05-MAY05-D	L0505337-05	16-MAY-05	17-MAY-05
29WW09-MAY05	L0505337-06	15-MAY-05	17-MAY-05
29WW10-MAY05	L0505337-07	16-MAY-05	17-MAY-05
29WW115-MAY05	L0505337-08	15-MAY-05	17-MAY-05
29WW119-MAY05	L0505337-09	15-MAY-05	17-MAY-05
29WW15-MAY05	L0505337-10	16-MAY-05	17-MAY-05
29WW15-MAY05-D	L0505337-11	16-MAY-05	17-MAY-05
29WW16-MAY05	L0505337-12	16-MAY-05	17-MAY-05
29WW16-MAY05-D	L0505337-13	16-MAY-05	17-MAY-05
29WW17-MAY05	L0505337-14	16-MAY-05	17-MAY-05
29WW19-MAY05	L0505337-15	15-MAY-05	17-MAY-05
29WW21-MAY05	L0505337-16	16-MAY-05	17-MAY-05
29WW22-MAY05	L0505337-17	16-MAY-05	17-MAY-05
29WW23-MAY05	L0505337-18	15-MAY-05	17-MAY-05
29WW24-MAY05	L0505337-19	15-MAY-05	17-MAY-05
29WW24-MAY05-MS	L0505337-20	15-MAY-05	17-MAY-05
29WW24-MAY05-MSD	L0505337-21	15-MAY-05	17-MAY-05
29WW29-MAY05	L0505337-22	15-MAY-05	17-MAY-05
29WW32-MAY05	L0505337-23	15-MAY-05	17-MAY-05
29WW34-MAY05	L0505337-24	16-MAY-05	17-MAY-05

KEMRON ENVIRONMENTAL SERVICES
REPORT NARRATIVE

KEMRON Login No.: L0505337

CHAIN OF CUSTODY: The chain of custody number was LHAAP-027.

SHIPMENT CONDITIONS: The chain of custody forms were received sealed in a cooler. The cooler temperature was 1 degrees C.

SAMPLE MANAGEMENT: All samples received were intact.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Approved: 17-MAY-05

<i>Stephanie Moseburg</i>

KEMRON ENVIRONMENTAL SERVICES
GC/MS VOLATILE ORGANICS

KEMRON Login No.: L0505337

METHOD

Preparation: SW-846 5030B

Analysis: SW-846 8260B

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds which yielded a %RSD greater than 15%, linear or higher order equations were applied or if the mean %RSD for all analytes was less than 15% the average response factors were used. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration and Tune: All acceptance criteria were met.

BATCH QA/QC

Method Blank: Surrogate 4-bromofluorobenzene was below the lower control limit in the method blank analyzed 5/22/05 on HPMS-10. Due to instrument contamination, methylene chloride was detected above the reporting limit in the method blank analyzed 5/21/05 on HPMS-11. Analyses associated with this blank were dilutions of samples 10 and 11 performed to obtain results for trichloroethene and 1,2-dichloroethane within the calibrated range of the instrument. All other acceptance criteria were met.

Laboratory Control Sample: Dichlorodifluoromethane exceeded the upper advisory limit in the LCS/LCSD analyzed 5/19/05 and LCS analyzed 5/20/05 on HPMS-11. Bromodichloromethane, 1,2-dibromo-3-chloropropane, dichlorodifluoromethane, and methylene chloride exceeded the upper advisory limits in the LCS/LCSD analyzed 5/21/05 on HPMS-11. Surrogate 4-bromofluorobenzene was below the lower control limit in the LCS's analyzed 5/21/05 and 5/22/05 on HPMS-10. All other acceptance criteria were met.

Matrix Spike: 2-Chloroethylvinyl ether was not detected, bromomethane was below the lower advisory limit, and dichlorodifluoromethane exceeded the upper advisory limit in the MS/MSD analyses of sample 19.

SAMPLES

Internal Standards: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Samples: Samples 10, 11, 12, and 13 required dilution analyses. The presence of naphthalene and 1,2,3-trichlorobenzene in sample 22 may be attributed to carry-over contamination from a previous analysis.

00094032

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: MES

Approved: 24-MAY-05


Report Number: L0505337

Report Date : May 24, 2005

00094033

Sample Number: L0505337-01
 Client ID: 051405-ER
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/19/2005 18:16
 Cal Date: 05/19/2005 12:16
 Run Date: 05/19/2005 18:16
 File ID: 11M27028

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2	0.436	J	5.00	0.250
Napthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125

Report Number: L0505337

Report Date : May 24, 2005

00094034

Sample Number: L0505337-01
 Client ID: 051405-ER
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/19/2005 18:16
 Cal Date: 05/19/2005 12:16
 Run Date: 05/19/2005 18:16
 File ID: 11M27028

Analyte	CAS. Number	Result	Qual	RL	MDL
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	99.9	86	118		
1,2-Dichloroethane-d4	97.4	80	120		
Toluene-d8	102	88	110		
4-Bromofluorobenzene	98.6	86	115		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: L0505337-02
 Client ID: 051505-ER
 Matrix: Water
 Workgroup Number: WG189437
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 10:23
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 10:23
 File ID: 11M27054

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125

Report Number: L0505337

Report Date : May 24, 2005

00094035

Sample Number: L0505337-02
 Client ID: 051505-ER
 Matrix: Water
 Workgroup Number: WG189437
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 10:23
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 10:23
 File ID: 11M27054

Analyte	CAS. Number	Result	Qual	RL	MDL
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2	0.291	J	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250

Report Number: L0505337

Report Date : May 24, 2005

00094036

Sample Number: L0505337-02
 Client ID: 051505-ER
 Matrix: Water
 Workgroup Number: WG189437
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 10:23
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 10:23
 File ID: 11M27054

Analyte	CAS. Number	Result	Qual	RL	MDL
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-, p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	101	86	118		
1,2-Dichloroethane-d4	99.4	80	120		
Toluene-d8	102	88	110		
4-Bromofluorobenzene	96.3	86	115		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: L0505337-03
 Client ID: 051505-TB-2
 Matrix: Water
 Workgroup Number: WG189437
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 09:53
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 09:53
 File ID: 11M27053

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250

Report Number: L0505337

Report Date : May 24, 2005

00094037

Sample Number: L0505337-03
 Client ID: 051505-TB-2
 Matrix: Water
 Workgroup Number: WG189437
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 09:53
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 09:53
 File ID: 11M27053

Analyte	CAS. Number	Result	Qual	RL	MDL
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2	1.64	J	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-, p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	100	86	118		
1,2-Dichloroethane-d4	100	80	120		
Toluene-d8	103	88	110		
4-Bromofluorobenzene	98.7	86	115		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Report Number: L0505337

Report Date : May 24, 2005

00094038

Sample Number: L0505337-04
 Client ID: 29WW05-MAY05
 Matrix: Water
 Workgroup Number: WG189437
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 13:23
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 13:23
 File ID: 11M27060

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125

Report Number: L0505337

Report Date : May 24, 2005

00094039

Sample Number: L0505337-04
 Client ID: 29WW05-MAY05
 Matrix: Water
 Workgroup Number: WG189437
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 13:23
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 13:23
 File ID: 11M27060

Analyte	CAS. Number	Result	Qual	RL	MDL
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	103	86	118		
1,2-Dichloroethane-d4	103	80	120		
Toluene-d8	102	88	110		
4-Bromofluorobenzene	98.5	86	115		

U Not detected at or above adjusted sample detection limit

Sample Number: L0505337-05
 Client ID: 29WW05-MAY05-D
 Matrix: Water
 Workgroup Number: WG189437
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 13:53
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 13:53
 File ID: 11M27061

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250

7 of 47

Report Number: L0505337

Report Date : May 24, 2005

00094040

Sample Number: L0505337-05
 Client ID: 29WW05-MAY05-D
 Matrix: Water
 Workgroup Number: WG189437
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 13:53
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 13:53
 File ID: 11M27061

Analyte	CAS. Number	Result	Qual	RL	MDL
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50

Report Number: L0505337

Report Date : May 24, 2005

00094041

Sample Number: L0505337-05
 Client ID: 29WW05-MAY05-D
 Matrix: Water
 Workgroup Number: WG189437
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 13:53
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 13:53
 File ID: 11M27061

Analyte	CAS. Number	Result	Qual	RL	MDL
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	102	86	118		
1,2-Dichloroethane-d4	102	80	120		
Toluene-d8	102	88	110		
4-Bromofluorobenzene	95.9	86	115		

U Not detected at or above adjusted sample detection limit

Sample Number: L0505337-06
 Client ID: 29WW09-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 01:16
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 01:16
 File ID: 11M27042

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250

Report Number: L0505337

Report Date : May 24, 2005

00094042

Sample Number: L0505337-06
 Client ID: 29WW09-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 01:16
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 01:16
 File ID: 11M27042

Analyte	CAS. Number	Result	Qual	RL	MDL
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	104	86	118		
1,2-Dichloroethane-d4	107	80	120		
Toluene-d8	102	88	110		
4-Bromofluorobenzene	96.5	86	115		

U Not detected at or above adjusted sample detection limit

Report Number: L0505337

Report Date : May 24, 2005

00094043

Sample Number: L0505337-07
 Client ID: 29WW10-MAY05
 Matrix: Water
 Workgroup Number: WG189437
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 14:23
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 14:23
 File ID: 11M27062

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125

Report Number: L0505337

Report Date : May 24, 2005

00094044

Sample Number: L0505337-07
 Client ID: 29WW10-MAY05
 Matrix: Water
 Workgroup Number: WG189437
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 14:23
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 14:23
 File ID: 11M27062

Analyte	CAS. Number	Result	Qual	RL	MDL
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	101	86	118		
1,2-Dichloroethane-d4	101	80	120		
Toluene-d8	101	88	110		
4-Bromofluorobenzene	97.6	86	115		

U Not detected at or above adjusted sample detection limit

Sample Number: L0505337-08
 Client ID: 29WW115-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 01:46
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 01:46
 File ID: 11M27043

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250

12 of 47

Report Number: L0505337

Report Date : May 24, 2005

00094045

Sample Number: L0505337-08
 Client ID: 29WW115-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 01:46
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 01:46
 File ID: 11M27043

Analyte	CAS. Number	Result	Qual	RL	MDL
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50

Report Number: L0505337

Report Date : May 24, 2005

00094046

Sample Number: L0505337-08
 Client ID: 29WW115-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 01:46
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 01:46
 File ID: 11M27043

Analyte	CAS. Number	Result	Qual	RL	MDL
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	104	86	118		
1,2-Dichloroethane-d4	107	80	120		
Toluene-d8	101	88	110		
4-Bromofluorobenzene	97.5	86	115		

U Not detected at or above adjusted sample detection limit

Sample Number: L0505337-09
 Client ID: 29WW119-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 02:16
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 02:16
 File ID: 11M27044

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250

14 of 47

Report Number: L0505337

Report Date : May 24, 2005

00094047

Sample Number: L0505337-09
 Client ID: 29WW119-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 02:16
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 02:16
 File ID: 11M27044

Analyte	CAS. Number	Result	Qual	RL	MDL
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3	0.289	J	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	104	86	118		
1,2-Dichloroethane-d4	108	80	120		
Toluene-d8	102	88	110		
4-Bromofluorobenzene	97.9	86	115		

J The analyte was positively identified, but the quantitation was below the RL
 U Not detected at or above adjusted sample detection limit

Report Number: L0505337

Report Date : May 24, 2005

00094048

Sample Number: L0505337-10
 Client ID: 29WW15-MAY05
 Matrix: Water
 Workgroup Number: WG189437
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 14:53
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 14:53
 File ID: 11M27063

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2	0.806	J	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3	0.734	J	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3	9.56		1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3	5.67		1.00	0.125
1,2-Dichloroethane	107-06-2	2650	I	1.00	0.250
1,1-Dichloroethene	75-35-4	19.1		1.00	0.500
cis-1,2-Dichloroethene	156-59-2	3.62		1.00	0.250
trans-1,2-Dichloroethene	156-60-5	36.7		1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2	15.7		5.00	0.250
Napthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125

Report Number: L0505337

Report Date : May 24, 2005

00094049

Sample Number: L0505337-10
 Client ID: 29WW15-MAY05
 Matrix: Water
 Workgroup Number: WG189437
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 14:53
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 14:53
 File ID: 11M27063

Analyte	CAS. Number	Result	Qual	RL	MDL
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3	0.365	J	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5	3.15		1.00	0.250
Trichloroethene	79-01-6	593	I	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4	0.701	J	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	102	86	118		
1,2-Dichloroethane-d4	104	80	120		
Toluene-d8	100	88	110		
4-Bromofluorobenzene	98.6	86	115		

I Semiquantitative result (out of instrument calibration range)

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: L0505337-10
 Client ID: 29WW15-MAY05
 Matrix: Water
 Workgroup Number: WG189541
 Collect Date: 16-MAY-05
 Sample Tag: DL01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 100
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/21/2005 13:04
 Cal Date: 05/19/2005 12:16
 Run Date: 05/21/2005 13:04
 File ID: 11M27080

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	1000	250
Benzene	71-43-2		U	100	12.5
Bromobenzene	108-86-1		U	100	12.5
Bromochloromethane	74-97-5		U	100	20.0
Bromodichloromethane	75-27-4		U	100	25.0
Bromoform	75-25-2		U	100	54.0
Bromomethane	74-83-9		U	100	50.0
2-Butanone	78-93-3		U	1000	250
n-Butylbenzene	104-51-8		U	100	25.0
sec-Butylbenzene	135-98-8		U	100	25.0
tert-Butylbenzene	98-06-6		U	100	25.0
Carbon disulfide	75-15-0		U	100	50.0
Carbon tetrachloride	56-23-5		U	100	25.0
Chlorobenzene	108-90-7		U	100	12.5

17 of 47

Report Number: L0505337

Report Date : May 24, 2005

00094050

Sample Number: L0505337-10
 Client ID: 29WW15-MAY05
 Matrix: Water
 Workgroup Number: WG189541
 Collect Date: 16-MAY-05
 Sample Tag: DL01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 100
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/21/2005 13:04
 Cal Date: 05/19/2005 12:16
 Run Date: 05/21/2005 13:04
 File ID: 11M27080

Analyte	CAS. Number	Result	Qual	RL	MDL
Chlorodibromomethane	124-48-1		U	100	25.0
Chloroethane	75-00-3		U	100	50.0
2-Chloroethyl vinyl ether	110-75-8		U	1000	200
Chloroform	67-66-3		U	100	12.5
Chloromethane	74-87-3		U	100	25.0
2-Chlorotoluene	95-49-8		U	100	12.5
4-Chlorotoluene	106-43-4		U	100	25.0
1,2-Dibromo-3-chloropropane	96-12-8		U	500	100
1,2-Dibromoethane	106-93-4		U	100	25.0
Dibromomethane	74-95-3		U	100	25.0
1,2-Dichlorobenzene	95-50-1		U	100	12.5
1,3-Dichlorobenzene	541-73-1		U	100	25.0
1,4-Dichlorobenzene	106-46-7		U	100	12.5
Dichlorodifluoromethane	75-71-8		U	100	25.0
1,1-Dichloroethane	75-34-3		U	100	12.5
1,2-Dichloroethane	107-06-2	8140		100	25.0
1,1-Dichloroethene	75-35-4		U	100	50.0
cis-1,2-Dichloroethene	156-59-2		U	100	25.0
trans-1,2-Dichloroethene	156-60-5	36.2	J	100	25.0
1,2-Dichloropropane	78-87-5		U	100	12.5
1,3-Dichloropropane	142-28-9		U	100	20.0
2,2-Dichloropropane	594-20-7		U	100	25.0
cis-1,3-Dichloropropene	10061-01-5		U	100	25.0
trans-1,3-Dichloropropene	10061-02-6		U	100	50.0
1,1-Dichloropropene	563-58-6		U	100	25.0
Ethylbenzene	100-41-4		U	100	25.0
2-Hexanone	591-78-6		U	1000	250
Hexachlorobutadiene	87-68-3		U	100	25.0
Isopropylbenzene	98-82-8		U	100	25.0
p-Isopropyltoluene	99-87-6		U	100	25.0
4-Methyl-2-pentanone	108-10-1		U	1000	250
Methylene chloride	75-09-2	1960	B	500	25.0
Naphthalene	91-20-3		U	100	20.0
n-Propylbenzene	103-65-1		U	100	12.5
Styrene	100-42-5		U	100	12.5
1,1,1,2-Tetrachloroethane	630-20-6		U	100	25.0
1,1,2,2-Tetrachloroethane	79-34-5		U	100	12.5
Tetrachloroethene	127-18-4		U	100	25.0
Toluene	108-88-3		U	100	25.0
1,2,3-Trichlorobenzene	87-61-6		U	100	12.5
1,2,4-Trichlorobenzene	120-82-1		U	100	20.0
1,1,1-Trichloroethane	71-55-6		U	100	25.0
1,1,2-Trichloroethane	79-00-5		U	100	25.0
Trichloroethene	79-01-6	612		100	25.0
Trichlorofluoromethane	75-69-4		U	100	25.0
1,2,3-Trichloropropane	96-18-4		U	100	75.0
1,2,4-Trimethylbenzene	95-63-6		U	100	25.0
1,3,5-Trimethylbenzene	108-67-8		U	100	25.0

18 of 47

Report Number: L0505337

Report Date : May 24, 2005

00094051

Sample Number: L0505337-10
 Client ID: 29WW15-MAY05
 Matrix: Water
 Workgroup Number: WG189541
 Collect Date: 16-MAY-05
 Sample Tag: DL01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 100
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/21/2005 13:04
 Cal Date: 05/19/2005 12:16
 Run Date: 05/21/2005 13:04
 File ID: 11M27080

Analyte	CAS. Number	Result	Qual	RL	MDL
Vinyl acetate	108-05-4		U	1000	250
Vinyl chloride	75-01-4		U	100	25.0
o-Xylene	95-47-6		U	100	25.0
m-, p-Xylene	136777-61-2		U	100	50.0
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	100	86	118		
1,2-Dichloroethane-d4	96.6	80	120		
Toluene-d8	104	88	110		
4-Bromofluorobenzene	104	86	115		

B Analyte present in method blank

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: L0505337-11
 Client ID: 29WW15-MAY05-D
 Matrix: Water
 Workgroup Number: WG189437
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 15:22
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 15:22
 File ID: 11M27064

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2	0.824	J	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3	0.741	J	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3	9.75		1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125

Report Number: L0505337

Report Date : May 24, 2005

00094052

Sample Number: L0505337-11
 Client ID: 29WW15-MAY05-D
 Matrix: Water
 Workgroup Number: WG189437
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 15:22
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 15:22
 File ID: 11M27064

Analyte	CAS. Number	Result	Qual	RL	MDL
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3	5.90		1.00	0.125
1,2-Dichloroethane	107-06-2	2680	I	1.00	0.250
1,1-Dichloroethene	75-35-4	19.2		1.00	0.500
cis-1,2-Dichloroethene	156-59-2	3.57		1.00	0.250
trans-1,2-Dichloroethene	156-60-5	37.3		1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2	16.5		5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3	0.364	J	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5	3.26		1.00	0.250
Trichloroethene	79-01-6	599	I	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4	0.766	J	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	103	86	118	
1,2-Dichloroethane-d4	106	80	120	
Toluene-d8	98.1	88	110	
4-Bromofluorobenzene	96.6	86	115	

I Semiquantitative result (out of instrument calibration range)

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Report Number: L0505337

Report Date : May 24, 2005

00094053

Sample Number: L0505337-11
 Client ID: 29WW15-MAY05-D
 Matrix: Water
 Workgroup Number: WG189541
 Collect Date: 16-MAY-05
 Sample Tag: DL01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 100
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/21/2005 13:34
 Cal Date: 05/19/2005 12:16
 Run Date: 05/21/2005 13:34
 File ID: 11M27081

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	1000	250
Benzene	71-43-2		U	100	12.5
Bromobenzene	108-86-1		U	100	12.5
Bromochloromethane	74-97-5		U	100	20.0
Bromodichloromethane	75-27-4		U	100	25.0
Bromoform	75-25-2		U	100	54.0
Bromomethane	74-83-9		U	100	50.0
2-Butanone	78-93-3		U	1000	250
n-Butylbenzene	104-51-8		U	100	25.0
sec-Butylbenzene	135-98-8		U	100	25.0
tert-Butylbenzene	98-06-6		U	100	25.0
Carbon disulfide	75-15-0		U	100	50.0
Carbon tetrachloride	56-23-5		U	100	25.0
Chlorobenzene	108-90-7		U	100	12.5
Chlorodibromomethane	124-48-1		U	100	25.0
Chloroethane	75-00-3		U	100	50.0
2-Chloroethyl vinyl ether	110-75-8		U	1000	200
Chloroform	67-66-3		U	100	12.5
Chloromethane	74-87-3		U	100	25.0
2-Chlorotoluene	95-49-8		U	100	12.5
4-Chlorotoluene	106-43-4		U	100	25.0
1,2-Dibromo-3-chloropropane	96-12-8		U	500	100
1,2-Dibromoethane	106-93-4		U	100	25.0
Dibromomethane	74-95-3		U	100	25.0
1,2-Dichlorobenzene	95-50-1		U	100	12.5
1,3-Dichlorobenzene	541-73-1		U	100	25.0
1,4-Dichlorobenzene	106-46-7		U	100	12.5
Dichlorodifluoromethane	75-71-8		U	100	25.0
1,1-Dichloroethane	75-34-3		U	100	12.5
1,2-Dichloroethane	107-06-2	8180		100	25.0
1,1-Dichloroethene	75-35-4		U	100	50.0
cis-1,2-Dichloroethene	156-59-2		U	100	25.0
trans-1,2-Dichloroethene	156-60-5	30.7	J	100	25.0
1,2-Dichloropropane	78-87-5		U	100	12.5
1,3-Dichloropropane	142-28-9		U	100	20.0
2,2-Dichloropropane	594-20-7		U	100	25.0
cis-1,3-Dichloropropene	10061-01-5		U	100	25.0
trans-1,3-Dichloropropene	10061-02-6		U	100	50.0
1,1-Dichloropropene	563-58-6		U	100	25.0
Ethylbenzene	100-41-4		U	100	25.0
2-Hexanone	591-78-6		U	1000	250
Hexachlorobutadiene	87-68-3		U	100	25.0
Isopropylbenzene	98-82-8		U	100	25.0
p-Isopropyltoluene	99-87-6		U	100	25.0
4-Methyl-2-pentanone	108-10-1		U	1000	250
Methylene chloride	75-09-2	1110	B	500	25.0
Naphthalene	91-20-3		U	100	20.0
n-Propylbenzene	103-65-1		U	100	12.5

Report Number: L0505337

Report Date : May 24, 2005

00094054

Sample Number: L0505337-11
 Client ID: 29WW15-MAY05-D
 Matrix: Water
 Workgroup Number: WG189541
 Collect Date: 16-MAY-05
 Sample Tag: DL01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 100
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/21/2005 13:34
 Cal Date: 05/19/2005 12:16
 Run Date: 05/21/2005 13:34
 File ID: 11M27081

Analyte	CAS. Number	Result	Qual	RL	MDL
Styrene	100-42-5		U	100	12.5
1,1,1,2-Tetrachloroethane	630-20-6		U	100	25.0
1,1,2,2-Tetrachloroethane	79-34-5		U	100	12.5
Tetrachloroethene	127-18-4		U	100	25.0
Toluene	108-88-3		U	100	25.0
1,2,3-Trichlorobenzene	87-61-6		U	100	12.5
1,2,4-Trichlorobenzene	120-82-1		U	100	20.0
1,1,1-Trichloroethane	71-55-6		U	100	25.0
1,1,2-Trichloroethane	79-00-5		U	100	25.0
Trichloroethene	79-01-6	571		100	25.0
Trichlorofluoromethane	75-69-4		U	100	25.0
1,2,3-Trichloropropane	96-18-4		U	100	75.0
1,2,4-Trimethylbenzene	95-63-6		U	100	25.0
1,3,5-Trimethylbenzene	108-67-8		U	100	25.0
Vinyl acetate	108-05-4		U	1000	250
Vinyl chloride	75-01-4		U	100	25.0
o-Xylene	95-47-6		U	100	25.0
m-,p-Xylene	136777-61-2		U	100	50.0
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	101	86	118		
1,2-Dichloroethane-d4	97.9	80	120		
Toluene-d8	105	88	110		
4-Bromofluorobenzene	104	86	115		

B Analyte present in method blank

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: L0505337-12
 Client ID: 29WW16-MAY05
 Matrix: Water
 Workgroup Number: WG189539
 Collect Date: 16-MAY-05
 Sample Tag: DL01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1000
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/21/2005 21:13
 Cal Date: 04/23/2005 16:36
 Run Date: 05/21/2005 21:13
 File ID: 10M38182

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10000	2500
Benzene	71-43-2		U	1000	125
Bromobenzene	108-86-1		U	1000	125
Bromochloromethane	74-97-5	1010		1000	200
Bromodichloromethane	75-27-4		U	1000	250
Bromoform	75-25-2		U	1000	540
Bromomethane	74-83-9		U	1000	500
2-Butanone	78-93-3		U	10000	2500
n-Butylbenzene	104-51-8		U	1000	250
sec-Butylbenzene	135-98-8		U	1000	250
tert-Butylbenzene	98-06-6		U	1000	250
Carbon disulfide	75-15-0		U	1000	500
Carbon tetrachloride	56-23-5		U	1000	250

22 of 47

Report Number: L0505337

Report Date : May 24, 2005

00094055

Sample Number: L0505337-12
 Client ID: 29WW16-MAY05
 Matrix: Water
 Workgroup Number: WG189539
 Collect Date: 16-MAY-05
 Sample Tag: DL01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1000
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/21/2005 21:13
 Cal Date: 04/23/2005 16:36
 Run Date: 05/21/2005 21:13
 File ID: 10M38182

Analyte	CAS. Number	Result	Qual	RL	MDL
Chlorobenzene	108-90-7		U	1000	125
Chlorodibromomethane	124-48-1		U	1000	250
Chloroethane	75-00-3		U	1000	500
2-Chloroethyl vinyl ether	110-75-8		U	10000	2000
Chloroform	67-66-3		U	1000	125
Chloromethane	74-87-3	2100		1000	250
2-Chlorotoluene	95-49-8		U	1000	125
4-Chlorotoluene	106-43-4		U	1000	250
1,2-Dibromo-3-chloropropane	96-12-8		U	5000	1000
1,2-Dibromoethane	106-93-4		U	1000	250
Dibromomethane	74-95-3		U	1000	250
1,2-Dichlorobenzene	95-50-1		U	1000	125
1,3-Dichlorobenzene	541-73-1		U	1000	250
1,4-Dichlorobenzene	106-46-7		U	1000	125
Dichlorodifluoromethane	75-71-8		U	1000	250
1,1-Dichloroethane	75-34-3	2970		1000	125
1,2-Dichloroethane	107-06-2		U	1000	250
1,1-Dichloroethene	75-35-4		U	1000	500
cis-1,2-Dichloroethene	156-59-2	315	J	1000	250
trans-1,2-Dichloroethene	156-60-5		U	1000	250
1,2-Dichloropropane	78-87-5		U	1000	125
1,3-Dichloropropane	142-28-9		U	1000	200
2,2-Dichloropropane	594-20-7		U	1000	250
cis-1,3-Dichloropropene	10061-01-5		U	1000	250
trans-1,3-Dichloropropene	10061-02-6		U	1000	500
1,1-Dichloropropene	563-58-6		U	1000	250
Ethylbenzene	100-41-4		U	1000	250
2-Hexanone	591-78-6		U	10000	2500
Hexachlorobutadiene	87-68-3		U	1000	250
Isopropylbenzene	98-82-8		U	1000	250
p-Isopropyltoluene	99-87-6		U	1000	250
4-Methyl-2-pentanone	108-10-1		U	10000	2500
Methylene chloride	75-09-2	5010000	I	5000	250
Naphthalene	91-20-3		U	1000	200
n-Propylbenzene	103-65-1		U	1000	125
Styrene	100-42-5		U	1000	125
1,1,1,2-Tetrachloroethane	630-20-6		U	1000	250
1,1,2,2-Tetrachloroethane	79-34-5		U	1000	125
Tetrachloroethene	127-18-4		U	1000	250
Toluene	108-88-3		U	1000	250
1,2,3-Trichlorobenzene	87-61-6		U	1000	125
1,2,4-Trichlorobenzene	120-82-1		U	1000	200
1,1,1-Trichloroethane	71-55-6		U	1000	250
1,1,2-Trichloroethane	79-00-5		U	1000	250
Trichloroethene	79-01-6	6000		1000	250
Trichlorofluoromethane	75-69-4		U	1000	250
1,2,3-Trichloropropane	96-18-4		U	1000	750
1,2,4-Trimethylbenzene	95-63-6		U	1000	250

Report Number: L0505337

Report Date : May 24, 2005

00094056

Sample Number: L0505337-12
 Client ID: 29WW16-MAY05
 Matrix: Water
 Workgroup Number: WG189539
 Collect Date: 16-MAY-05
 Sample Tag: DL01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1000
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/21/2005 21:13
 Cal Date: 04/23/2005 16:36
 Run Date: 05/21/2005 21:13
 File ID: 10M38182

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trimethylbenzene	108-67-8		U	1000	250
Vinyl acetate	108-05-4		U	10000	2500
Vinyl chloride	75-01-4		U	1000	250
o-Xylene	95-47-6		U	1000	250
m-,p-Xylene	136777-61-2		U	1000	500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	99.8	86	118		
1,2-Dichloroethane-d4	96.9	80	120		
Toluene-d8	93.4	88	110		
4-Bromofluorobenzene	88.0	86	115		

I Semiquantitative result (out of instrument calibration range)

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: L0505337-12
 Client ID: 29WW16-MAY05
 Matrix: Water
 Workgroup Number: WG189552
 Collect Date: 16-MAY-05
 Sample Tag: DL02

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 50000
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/22/2005 14:38
 Cal Date: 04/23/2005 16:36
 Run Date: 05/22/2005 14:38
 File ID: 10M38203

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	500000	125000
Benzene	71-43-2		U	50000	6250
Bromobenzene	108-86-1		U	50000	6250
Bromochloromethane	74-97-5		U	50000	10000
Bromodichloromethane	75-27-4		U	50000	12500
Bromoform	75-25-2		U	50000	27000
Bromomethane	74-83-9		U	50000	25000
2-Butanone	78-93-3		U	500000	125000
n-Butylbenzene	104-51-8		U	50000	12500
sec-Butylbenzene	135-98-8		U	50000	12500
tert-Butylbenzene	98-06-6		U	50000	12500
Carbon disulfide	75-15-0		U	50000	25000
Carbon tetrachloride	56-23-5		U	50000	12500
Chlorobenzene	108-90-7		U	50000	6250
Chlorodibromomethane	124-48-1		U	50000	12500
Chloroethane	75-00-3		U	50000	25000
2-Chloroethyl vinyl ether	110-75-8		U	500000	100000
Chloroform	67-66-3		U	50000	6250
Chloromethane	74-87-3		U	50000	12500
2-Chlorotoluene	95-49-8		U	50000	6250
4-Chlorotoluene	106-43-4		U	50000	12500
1,2-Dibromo-3-chloropropane	96-12-8		U	250000	50000
1,2-Dibromoethane	106-93-4		U	50000	12500
Dibromomethane	74-95-3		U	50000	12500
1,2-Dichlorobenzene	95-50-1		U	50000	6250
1,3-Dichlorobenzene	541-73-1		U	50000	12500
1,4-Dichlorobenzene	106-46-7		U	50000	6250

24 of 47

Report Number: L0505337

Report Date : May 24, 2005

00094057

Sample Number: L0505337-12
 Client ID: 29WW16-MAY05
 Matrix: Water
 Workgroup Number: WG189552
 Collect Date: 16-MAY-05
 Sample Tag: DL02

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 50000
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/22/2005 14:38
 Cal Date: 04/23/2005 16:36
 Run Date: 05/22/2005 14:38
 File ID: 10M38203

Analyte	CAS. Number	Result	Qual	RL	MDL
Dichlorodifluoromethane	75-71-8		U	50000	12500
1,1-Dichloroethane	75-34-3		U	50000	6250
1,2-Dichloroethane	107-06-2		U	50000	12500
1,1-Dichloroethene	75-35-4		U	50000	25000
cis-1,2-Dichloroethene	156-59-2		U	50000	12500
trans-1,2-Dichloroethene	156-60-5		U	50000	12500
1,2-Dichloropropane	78-87-5		U	50000	6250
1,3-Dichloropropane	142-28-9		U	50000	10000
2,2-Dichloropropane	594-20-7		U	50000	12500
cis-1,3-Dichloropropene	10061-01-5		U	50000	12500
trans-1,3-Dichloropropene	10061-02-6		U	50000	25000
1,1-Dichloropropene	563-58-6		U	50000	12500
Ethylbenzene	100-41-4		U	50000	12500
2-Hexanone	591-78-6		U	500000	125000
Hexachlorobutadiene	87-68-3		U	50000	12500
Isopropylbenzene	98-82-8		U	50000	12500
p-Isopropyltoluene	99-87-6		U	50000	12500
4-Methyl-2-pentanone	108-10-1		U	500000	125000
Methylene chloride	75-09-2	8600000		250000	12500
Naphthalene	91-20-3		U	50000	10000
n-Propylbenzene	103-65-1		U	50000	6250
Styrene	100-42-5		U	50000	6250
1,1,1,2-Tetrachloroethane	630-20-6		U	50000	12500
1,1,2,2-Tetrachloroethane	79-34-5		U	50000	6250
Tetrachloroethene	127-18-4		U	50000	12500
Toluene	108-88-3		U	50000	12500
1,2,3-Trichlorobenzene	87-61-6		U	50000	6250
1,2,4-Trichlorobenzene	120-82-1		U	50000	10000
1,1,1-Trichloroethane	71-55-6		U	50000	12500
1,1,2-Trichloroethane	79-00-5		U	50000	12500
Trichloroethene	79-01-6		U	50000	12500
Trichlorofluoromethane	75-69-4		U	50000	12500
1,2,3-Trichloropropane	96-18-4		U	50000	37500
1,2,4-Trimethylbenzene	95-63-6		U	50000	12500
1,3,5-Trimethylbenzene	108-67-8		U	50000	12500
Vinyl acetate	108-05-4		U	500000	125000
Vinyl chloride	75-01-4		U	50000	12500
o-Xylene	95-47-6		U	50000	12500
m-,p-Xylene	136777-61-2		U	50000	25000
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	92.0	86	118		
1,2-Dichloroethane-d4	83.1	80	120		
Toluene-d8	92.5	88	110		
4-Bromofluorobenzene	86.3	86	115		

U Not detected at or above adjusted sample detection limit

Report Number: L0505337

Report Date : May 24, 2005

00094058

Sample Number: L0505337-13
 Client ID: 29WW16-MAY05-D
 Matrix: Water
 Workgroup Number: WG189539
 Collect Date: 16-MAY-05
 Sample Tag: DL01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1000
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/21/2005 21:44
 Cal Date: 04/23/2005 16:36
 Run Date: 05/21/2005 21:44
 File ID: 10M38183

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10000	2500
Benzene	71-43-2		U	1000	125
Bromobenzene	108-86-1		U	1000	125
Bromochloromethane	74-97-5	1150		1000	200
Bromodichloromethane	75-27-4		U	1000	250
Bromoform	75-25-2		U	1000	540
Bromomethane	74-83-9		U	1000	500
2-Butanone	78-93-3		U	10000	2500
n-Butylbenzene	104-51-8		U	1000	250
sec-Butylbenzene	135-98-8		U	1000	250
tert-Butylbenzene	98-06-6		U	1000	250
Carbon disulfide	75-15-0		U	1000	500
Carbon tetrachloride	56-23-5		U	1000	250
Chlorobenzene	108-90-7		U	1000	125
Chlorodibromomethane	124-48-1		U	1000	250
Chloroethane	75-00-3		U	1000	500
2-Chloroethyl vinyl ether	110-75-8		U	10000	2000
Chloroform	67-66-3		U	1000	125
Chloromethane	74-87-3	2100		1000	250
2-Chlorotoluene	95-49-8		U	1000	125
4-Chlorotoluene	106-43-4		U	1000	250
1,2-Dibromo-3-chloropropane	96-12-8		U	5000	1000
1,2-Dibromoethane	106-93-4		U	1000	250
Dibromomethane	74-95-3		U	1000	250
1,2-Dichlorobenzene	95-50-1		U	1000	125
1,3-Dichlorobenzene	541-73-1		U	1000	250
1,4-Dichlorobenzene	106-46-7		U	1000	125
Dichlorodifluoromethane	75-71-8		U	1000	250
1,1-Dichloroethane	75-34-3	2890		1000	125
1,2-Dichloroethane	107-06-2		U	1000	250
1,1-Dichloroethene	75-35-4		U	1000	500
cis-1,2-Dichloroethene	156-59-2	305	J	1000	250
trans-1,2-Dichloroethene	156-60-5		U	1000	250
1,2-Dichloropropane	78-87-5		U	1000	125
1,3-Dichloropropane	142-28-9		U	1000	200
2,2-Dichloropropane	594-20-7		U	1000	250
cis-1,3-Dichloropropene	10061-01-5		U	1000	250
trans-1,3-Dichloropropene	10061-02-6		U	1000	500
1,1-Dichloropropene	563-58-6		U	1000	250
Ethylbenzene	100-41-4		U	1000	250
2-Hexanone	591-78-6		U	10000	2500
Hexachlorobutadiene	87-68-3		U	1000	250
Isopropylbenzene	98-82-8		U	1000	250
p-Isopropyltoluene	99-87-6		U	1000	250
4-Methyl-2-pentanone	108-10-1		U	10000	2500
Methylene chloride	75-09-2	5020000	I	5000	250
Napthalene	91-20-3		U	1000	200
n-Propylbenzene	103-65-1		U	1000	125

Report Number: L0505337

Report Date : May 24, 2005

00094059

Sample Number: L0505337-13
 Client ID: 29WW16-MAY05-D
 Matrix: Water
 Workgroup Number: WG189539
 Collect Date: 16-MAY-05
 Sample Tag: DL01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1000
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/21/2005 21:44
 Cal Date: 04/23/2005 16:36
 Run Date: 05/21/2005 21:44
 File ID: 10M38183

Analyte	CAS. Number	Result	Qual	RL	MDL
Styrene	100-42-5		U	1000	125
1,1,1,2-Tetrachloroethane	630-20-6		U	1000	250
1,1,2,2-Tetrachloroethane	79-34-5		U	1000	125
Tetrachloroethene	127-18-4		U	1000	250
Toluene	108-88-3		U	1000	250
1,2,3-Trichlorobenzene	87-61-6		U	1000	125
1,2,4-Trichlorobenzene	120-82-1		U	1000	200
1,1,1-Trichloroethane	71-55-6		U	1000	250
1,1,2-Trichloroethane	79-00-5		U	1000	250
Trichloroethene	79-01-6	5210		1000	250
Trichlorofluoromethane	75-69-4		U	1000	250
1,2,3-Trichloropropane	96-18-4		U	1000	750
1,2,4-Trimethylbenzene	95-63-6		U	1000	250
1,3,5-Trimethylbenzene	108-67-8		U	1000	250
Vinyl acetate	108-05-4		U	10000	2500
Vinyl chloride	75-01-4		U	1000	250
o-Xylene	95-47-6		U	1000	250
m-,p-Xylene	136777-61-2		U	1000	500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	102	86	118		
1,2-Dichloroethane-d4	99.4	80	120		
Toluene-d8	93.9	88	110		
4-Bromofluorobenzene	89.5	86	115		

I Semiquantitative result (out of instrument calibration range)

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: L0505337-13
 Client ID: 29WW16-MAY05-D
 Matrix: Water
 Workgroup Number: WG189552
 Collect Date: 16-MAY-05
 Sample Tag: DL02

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 50000
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/22/2005 15:09
 Cal Date: 04/23/2005 16:36
 Run Date: 05/22/2005 15:09
 File ID: 10M38204

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	500000	125000
Benzene	71-43-2		U	50000	6250
Bromobenzene	108-86-1		U	50000	6250
Bromochloromethane	74-97-5		U	50000	10000
Bromodichloromethane	75-27-4		U	50000	12500
Bromoform	75-25-2		U	50000	27000
Bromomethane	74-83-9		U	50000	25000
2-Butanone	78-93-3		U	500000	125000
n-Butylbenzene	104-51-8		U	50000	12500
sec-Butylbenzene	135-98-8		U	50000	12500
tert-Butylbenzene	98-06-6		U	50000	12500
Carbon disulfide	75-15-0		U	50000	25000
Carbon tetrachloride	56-23-5		U	50000	12500
Chlorobenzene	108-90-7		U	50000	6250

27 of 47

Report Number: L0505337

Report Date : May 24, 2005

00094060

Sample Number: L0505337-13
 Client ID: 29WW16-MAY05-D
 Matrix: Water
 Workgroup Number: WG189552
 Collect Date: 16-MAY-05
 Sample Tag: DL02

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 50000
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/22/2005 15:09
 Cal Date: 04/23/2005 16:36
 Run Date: 05/22/2005 15:09
 File ID: 10M38204

Analyte	CAS. Number	Result	Qual	RL	MDL
Chlorodibromomethane	124-48-1		U	50000	12500
Chloroethane	75-00-3		U	50000	25000
2-Chloroethyl vinyl ether	110-75-8		U	500000	100000
Chloroform	67-66-3		U	50000	6250
Chloromethane	74-87-3		U	50000	12500
2-Chlorotoluene	95-49-8		U	50000	6250
4-Chlorotoluene	106-43-4		U	50000	12500
1,2-Dibromo-3-chloropropane	96-12-8		U	250000	50000
1,2-Dibromoethane	106-93-4		U	50000	12500
Dibromomethane	74-95-3		U	50000	12500
1,2-Dichlorobenzene	95-50-1		U	50000	6250
1,3-Dichlorobenzene	541-73-1		U	50000	12500
1,4-Dichlorobenzene	106-46-7		U	50000	6250
Dichlorodifluoromethane	75-71-8		U	50000	12500
1,1-Dichloroethane	75-34-3		U	50000	6250
1,2-Dichloroethane	107-06-2		U	50000	12500
1,1-Dichloroethene	75-35-4		U	50000	25000
cis-1,2-Dichloroethene	156-59-2		U	50000	12500
trans-1,2-Dichloroethene	156-60-5		U	50000	12500
1,2-Dichloropropane	78-87-5		U	50000	6250
1,3-Dichloropropane	142-28-9		U	50000	10000
2,2-Dichloropropane	594-20-7		U	50000	12500
cis-1,3-Dichloropropene	10061-01-5		U	50000	12500
trans-1,3-Dichloropropene	10061-02-6		U	50000	25000
1,1-Dichloropropene	563-58-6		U	50000	12500
Ethylbenzene	100-41-4		U	50000	12500
2-Hexanone	591-78-6		U	500000	125000
Hexachlorobutadiene	87-68-3		U	50000	12500
Isopropylbenzene	98-82-8		U	50000	12500
p-Isopropyltoluene	99-87-6		U	50000	12500
4-Methyl-2-pentanone	108-10-1		U	500000	125000
Methylene chloride	75-09-2	8620000		250000	12500
Naphthalene	91-20-3		U	50000	10000
n-Propylbenzene	103-65-1		U	50000	6250
Styrene	100-42-5		U	50000	6250
1,1,1,2-Tetrachloroethane	630-20-6		U	50000	12500
1,1,2,2-Tetrachloroethane	79-34-5		U	50000	6250
Tetrachloroethene	127-18-4		U	50000	12500
Toluene	108-88-3		U	50000	12500
1,2,3-Trichlorobenzene	87-61-6		U	50000	6250
1,2,4-Trichlorobenzene	120-82-1		U	50000	10000
1,1,1-Trichloroethane	71-55-6		U	50000	12500
1,1,2-Trichloroethane	79-00-5		U	50000	12500
Trichloroethene	79-01-6		U	50000	12500
Trichlorofluoromethane	75-69-4		U	50000	12500
1,2,3-Trichloropropane	96-18-4		U	50000	37500
1,2,4-Trimethylbenzene	95-63-6		U	50000	12500
1,3,5-Trimethylbenzene	108-67-8		U	50000	12500

Report Number: L0505337

Report Date : May 24, 2005

00094061

Sample Number: L0505337-13
 Client ID: 29WW16-MAY05-D
 Matrix: Water
 Workgroup Number: WG189552
 Collect Date: 16-MAY-05
 Sample Tag: DL02

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 50000
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/22/2005 15:09
 Cal Date: 04/23/2005 16:36
 Run Date: 05/22/2005 15:09
 File ID: 10M38204

Analyte	CAS. Number	Result	Qual	RL	MDL
Vinyl acetate	108-05-4		U	500000	125000
Vinyl chloride	75-01-4		U	50000	12500
o-Xylene	95-47-6		U	50000	12500
m-, p-Xylene	136777-61-2		U	50000	25000
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	91.8	86	118		
1,2-Dichloroethane-d4	82.6	80	120		
Toluene-d8	93.0	88	110		
4-Bromofluorobenzene	86.3	86	115		

U Not detected at or above adjusted sample detection limit

Sample Number: L0505337-14
 Client ID: 29WW17-MAY05
 Matrix: Water
 Workgroup Number: WG189539
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/21/2005 15:33
 Cal Date: 04/23/2005 16:36
 Run Date: 05/21/2005 15:33
 File ID: 10M38171

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125

29 of 47

Report Number: L0505337

Report Date : May 24, 2005

00094062

Sample Number: L0505337-14
 Client ID: 29WW17-MAY05
 Matrix: Water
 Workgroup Number: WG189539
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/21/2005 15:33
 Cal Date: 04/23/2005 16:36
 Run Date: 05/21/2005 15:33
 File ID: 10M38171

Analyte	CAS. Number	Result	Qual	RL	MDL
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2	0.963	J	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	99.5	86	118		
1,2-Dichloroethane-d4	95.1	80	120		
Toluene-d8	93.4	88	110		
4-Bromofluorobenzene	86.4	86	115		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Report Number: L0505337

Report Date : May 24, 2005

00094063

Sample Number: L0505337-15
 Client ID: 29WW19-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 02:46
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 02:46
 File ID: 11M27045

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125

Report Number: L0505337

Report Date : May 24, 2005

00094064

Sample Number: L0505337-15
 Client ID: 29WW19-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 02:46
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 02:46
 File ID: 11M27045

Analyte	CAS. Number	Result	Qual	RL	MDL
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3	0.282	J	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	104	86	118		
1,2-Dichloroethane-d4	106	80	120		
Toluene-d8	101	88	110		
4-Bromofluorobenzene	97.6	86	115		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: L0505337-16
 Client ID: 29WW21-MAY05
 Matrix: Water
 Workgroup Number: WG189539
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/21/2005 16:04
 Cal Date: 04/23/2005 16:36
 Run Date: 05/21/2005 16:04
 File ID: 10M38172

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125

Report Number: L0505337

Report Date : May 24, 2005

00094065

Sample Number: L0505337-16
 Client ID: 29WW21-MAY05
 Matrix: Water
 Workgroup Number: WG189539
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/21/2005 16:04
 Cal Date: 04/23/2005 16:36
 Run Date: 05/21/2005 16:04
 File ID: 10M38172

Analyte	CAS. Number	Result	Qual	RL	MDL
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3	1.92		1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250

Report Number: L0505337

Report Date : May 24, 2005

00094066

Sample Number: L0505337-16
 Client ID: 29WW21-MAY05
 Matrix: Water
 Workgroup Number: W6189539
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/21/2005 16:04
 Cal Date: 04/23/2005 16:36
 Run Date: 05/21/2005 16:04
 File ID: 10M38172

Analyte	CAS. Number	Result	Qual	RL	MDL
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-, p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	100	86	118		
1,2-Dichloroethane-d4	96.4	80	120		
Toluene-d8	94.4	88	110		
4-Bromofluorobenzene	87.0	86	115		

U Not detected at or above adjusted sample detection limit

Sample Number: L0505337-17
 Client ID: 29WW22-MAY05
 Matrix: Water
 Workgroup Number: W6189539
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/21/2005 16:35
 Cal Date: 04/23/2005 16:36
 Run Date: 05/21/2005 16:35
 File ID: 10M38173

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3	0.493	J	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125

34 of 47

Report Number: L0505337

Report Date : May 24, 2005

00094067

Sample Number: L0505337-17
 Client ID: 29WW22-MAY05
 Matrix: Water
 Workgroup Number: WG189539
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/21/2005 16:35
 Cal Date: 04/23/2005 16:36
 Run Date: 05/21/2005 16:35
 File ID: 10M38173

Analyte	CAS. Number	Result	Qual	RL	MDL
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	98.1	86	118		
1,2-Dichloroethane-d4	96.2	80	120		
Toluene-d8	92.7	88	110		
4-Bromofluorobenzene	86.4	86	115		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Report Number: L0505337

Report Date : May 24, 2005

00094068

Sample Number: L0505337-18
 Client ID: 29WW23-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 03:17
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 03:17
 File ID: 11M27046

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3	0.867	J	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125

Report Number: L0505337

Report Date : May 24, 2005

00094069

Sample Number: L0505337-18
 Client ID: 29WW23-MAY05
 Matrix: Water
 Workgroup Number: WG189416
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 03:17
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 03:17
 File ID: 11M27046

Analyte	CAS. Number	Result	Qual	RL	MDL
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	104	86	118		
1,2-Dichloroethane-d4	107	80	120		
Toluene-d8	101	88	110		
4-Bromofluorobenzene	96.3	86	115		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: L0505337-19
 Client ID: 29WW24-MAY05
 Matrix: Water
 Workgroup Number: WG189437
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 10:53
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 10:53
 File ID: 11M27055

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125

37 of 47

Report Number: L0505337

Report Date : May 24, 2005

00094070

Sample Number: L0505337-19
 Client ID: 29WW24-MAY05
 Matrix: Water
 Workgroup Number: WG189437
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 10:53
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 10:53
 File ID: 11M27055

Analyte	CAS. Number	Result	Qual	RL	MDL
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3	1.66		1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250

Report Number: L0505337

Report Date : May 24, 2005

00094071

Sample Number: L0505337-19
 Client ID: 29WW24-MAY05
 Matrix: Water
 Workgroup Number: WG189437
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 10:53
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 10:53
 File ID: 11M27055

Analyte	CAS. Number	Result	Qual	RL	MDL
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-, p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	102	86	118		
1,2-Dichloroethane-d4	102	80	120		
Toluene-d8	102	88	110		
4-Bromofluorobenzene	96.5	86	115		

U Not detected at or above adjusted sample detection limit

Sample Number: L0505337-20
 Client ID: 29WW24-MAY05-MS
 Matrix: Water
 Workgroup Number: WG189437
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 11:23
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 11:23
 File ID: 11M27056

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1	27.4		10.0	2.50
Benzene	71-43-2	20.7		1.00	0.125
Bromobenzene	108-86-1	21.3		1.00	0.125
Bromochloromethane	74-97-5	22.4		1.00	0.200
Bromodichloromethane	75-27-4	24.9		1.00	0.250
Bromoform	75-25-2	19.8		1.00	0.540
Bromomethane	74-83-9	10.2		1.00	0.500
2-Butanone	78-93-3	24.4		10.0	2.50
n-Butylbenzene	104-51-8	20.1		1.00	0.250
sec-Butylbenzene	135-98-8	20.5		1.00	0.250
tert-Butylbenzene	98-06-6	20.6		1.00	0.250
Carbon disulfide	75-15-0	20.1		1.00	0.500
Carbon tetrachloride	56-23-5	19.2		1.00	0.250
Chlorobenzene	108-90-7	22.2		1.00	0.125
Chlorodibromomethane	124-48-1	20.2		1.00	0.250
Chloroethane	75-00-3	20.3		1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3	22.1		1.00	0.125
Chloromethane	74-87-3	21.5		1.00	0.250
2-Chlorotoluene	95-49-8	20.2		1.00	0.125
4-Chlorotoluene	106-43-4	19.6		1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8	22.4		5.00	1.00
1,2-Dibromoethane	106-93-4	21.7		1.00	0.250
Dibromomethane	74-95-3	21.6		1.00	0.250
1,2-Dichlorobenzene	95-50-1	21.0		1.00	0.125
1,3-Dichlorobenzene	541-73-1	20.6		1.00	0.250
1,4-Dichlorobenzene	106-46-7	20.8		1.00	0.125
Dichlorodifluoromethane	75-71-8	28.7		1.00	0.250
1,1-Dichloroethane	75-34-3	21.2		1.00	0.125

39 of 47

Report Number: L0505337

Report Date : May 24, 2005

00094072

Sample Number: L0505337-20
 Client ID: 29WW24-MAY05-MS
 Matrix: Water
 Workgroup Number: WG189437
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 11:23
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 11:23
 File ID: 11M27056

Analyte	CAS. Number	Result	Qual	RL	MDL
1,2-Dichloroethane	107-06-2	22.6		1.00	0.250
1,1-Dichloroethene	75-35-4	19.5		1.00	0.500
cis-1,2-Dichloroethene	156-59-2	21.2		1.00	0.250
trans-1,2-Dichloroethene	156-60-5	20.8		1.00	0.250
1,2-Dichloropropane	78-87-5	21.4		1.00	0.125
1,3-Dichloropropane	142-28-9	21.7		1.00	0.200
2,2-Dichloropropane	594-20-7	21.0		1.00	0.250
cis-1,3-Dichloropropene	10061-01-5	23.0		1.00	0.250
trans-1,3-Dichloropropene	10061-02-6	23.1		1.00	0.500
1,1-Dichloropropene	563-58-6	21.0		1.00	0.250
Ethylbenzene	100-41-4	21.8		1.00	0.250
2-Hexanone	591-78-6	21.4		10.0	2.50
Hexachlorobutadiene	87-68-3	18.7		1.00	0.250
Isopropylbenzene	98-82-8	19.7		1.00	0.250
p-Isopropyltoluene	99-87-6	19.9		1.00	0.250
4-Methyl-2-pentanone	108-10-1	19.5		10.0	2.50
Methylene chloride	75-09-2	20.4		5.00	0.250
Naphthalene	91-20-3	20.5		1.00	0.200
n-Propylbenzene	103-65-1	20.3		1.00	0.125
Styrene	100-42-5	22.4		1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6	24.1		1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5	21.2		1.00	0.125
Tetrachloroethene	127-18-4	21.1		1.00	0.250
Toluene	108-88-3	21.2		1.00	0.250
1,2,3-Trichlorobenzene	87-61-6	19.9		1.00	0.125
1,2,4-Trichlorobenzene	120-82-1	20.3		1.00	0.200
1,1,1-Trichloroethane	71-55-6	21.1		1.00	0.250
1,1,2-Trichloroethane	79-00-5	22.0		1.00	0.250
Trichloroethene	79-01-6	21.5		1.00	0.250
Trichlorofluoromethane	75-69-4	20.4		1.00	0.250
1,2,3-Trichloropropane	96-18-4	21.7		1.00	0.750
1,2,4-Trimethylbenzene	95-63-6	20.7		1.00	0.250
1,3,5-Trimethylbenzene	108-67-8	20.6		1.00	0.250
Vinyl acetate	108-05-4	20.8		10.0	2.50
Vinyl chloride	75-01-4	23.3		1.00	0.250
o-Xylene	95-47-6	22.0		1.00	0.250
m-,p-Xylene	136777-61-2	44.1		1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	101	86	118		
1,2-Dichloroethane-d4	98.0	80	120		
Toluene-d8	102	88	110		
4-Bromofluorobenzene	95.4	86	115		

U Not detected at or above adjusted sample detection limit

Report Number: L0505337

Report Date : May 24, 2005

00094073

Sample Number: L0505337-21
 Client ID: 29WW24-MAY05-MSD
 Matrix: Water
 Workgroup Number: WG189437
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 11:53
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 11:53
 File ID: 11M27057

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1	27.6		10.0	2.50
Benzene	71-43-2	21.1		1.00	0.125
Bromobenzene	108-86-1	21.0		1.00	0.125
Bromochloromethane	74-97-5	22.6		1.00	0.200
Bromodichloromethane	75-27-4	25.0		1.00	0.250
Bromoform	75-25-2	19.6		1.00	0.540
Bromomethane	74-83-9	9.31		1.00	0.500
2-Butanone	78-93-3	26.0		10.0	2.50
n-Butylbenzene	104-51-8	20.3		1.00	0.250
sec-Butylbenzene	135-98-8	20.6		1.00	0.250
tert-Butylbenzene	98-06-6	20.3		1.00	0.250
Carbon disulfide	75-15-0	20.5		1.00	0.500
Carbon tetrachloride	56-23-5	19.7		1.00	0.250
Chlorobenzene	108-90-7	21.7		1.00	0.125
Chlorodibromomethane	124-48-1	20.7		1.00	0.250
Chloroethane	75-00-3	20.8		1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3	22.5		1.00	0.125
Chloromethane	74-87-3	21.7		1.00	0.250
2-Chlorotoluene	95-49-8	20.0		1.00	0.125
4-Chlorotoluene	106-43-4	22.1		1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8	21.3		5.00	1.00
1,2-Dibromoethane	106-93-4	21.9		1.00	0.250
Dibromomethane	74-95-3	21.5		1.00	0.250
1,2-Dichlorobenzene	95-50-1	21.0		1.00	0.125
1,3-Dichlorobenzene	541-73-1	20.6		1.00	0.250
1,4-Dichlorobenzene	106-46-7	20.9		1.00	0.125
Dichlorodifluoromethane	75-71-8	29.1		1.00	0.250
1,1-Dichloroethane	75-34-3	21.3		1.00	0.125
1,2-Dichloroethane	107-06-2	22.7		1.00	0.250
1,1-Dichloroethene	75-35-4	19.8		1.00	0.500
cis-1,2-Dichloroethene	156-59-2	21.1		1.00	0.250
trans-1,2-Dichloroethene	156-60-5	21.3		1.00	0.250
1,2-Dichloropropane	78-87-5	21.5		1.00	0.125
1,3-Dichloropropane	142-28-9	21.4		1.00	0.200
2,2-Dichloropropane	594-20-7	20.8		1.00	0.250
cis-1,3-Dichloropropene	10061-01-5	23.2		1.00	0.250
trans-1,3-Dichloropropene	10061-02-6	22.7		1.00	0.500
1,1-Dichloropropene	563-58-6	21.2		1.00	0.250
Ethylbenzene	100-41-4	21.3		1.00	0.250
2-Hexanone	591-78-6	22.1		10.0	2.50
Hexachlorobutadiene	87-68-3	19.2		1.00	0.250
Isopropylbenzene	98-82-8	19.7		1.00	0.250
p-Isopropyltoluene	99-87-6	20.1		1.00	0.250
4-Methyl-2-pentanone	108-10-1	21.4		10.0	2.50
Methylene chloride	75-09-2	20.8		5.00	0.250
Naphthalene	91-20-3	20.7		1.00	0.200
n-Propylbenzene	103-65-1	20.3		1.00	0.125

Report Number: L0505337

Report Date : May 24, 2005

00094074

Sample Number: **L0505337-21**
 Client ID: **29WW24-MAY05-MSD**
 Matrix: **Water**
 Workgroup Number: **WG189437**
 Collect Date: **15-MAY-05**
 Sample Tag: **01**

Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **CMS**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPMS11**
 Prep Date: **05/20/2005 11:53**
 Cal Date: **05/19/2005 12:16**
 Run Date: **05/20/2005 11:53**
 File ID: **11M27057**

Analyte	CAS. Number	Result	Qual	RL	MDL
Styrene	100-42-5	22.1		1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6	23.7		1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5	21.8		1.00	0.125
Tetrachloroethene	127-18-4	20.6		1.00	0.250
Toluene	108-88-3	20.9		1.00	0.250
1,2,3-Trichlorobenzene	87-61-6	20.3		1.00	0.125
1,2,4-Trichlorobenzene	120-82-1	20.8		1.00	0.200
1,1,1-Trichloroethane	71-55-6	21.5		1.00	0.250
1,1,2-Trichloroethane	79-00-5	21.5		1.00	0.250
Trichloroethene	79-01-6	21.8		1.00	0.250
Trichlorofluoromethane	75-69-4	20.9		1.00	0.250
1,2,3-Trichloropropane	96-18-4	22.1		1.00	0.750
1,2,4-Trimethylbenzene	95-63-6	20.6		1.00	0.250
1,3,5-Trimethylbenzene	108-67-8	21.0		1.00	0.250
Vinyl acetate	108-05-4	20.7		10.0	2.50
Vinyl chloride	75-01-4	22.8		1.00	0.250
o-Xylene	95-47-6	21.6		1.00	0.250
m-,p-Xylene	136777-61-2	43.6		1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	102	86	118		
1,2-Dichloroethane-d4	98.9	80	120		
Toluene-d8	101	88	110		
4-Bromofluorobenzene	96.1	86	115		

U Not detected at or above adjusted sample detection limit

Sample Number: **L0505337-22**
 Client ID: **29WW29-MAY05**
 Matrix: **Water**
 Workgroup Number: **WG189437**
 Collect Date: **15-MAY-05**
 Sample Tag: **01**

Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **CMS**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPMS11**
 Prep Date: **05/20/2005 12:23**
 Cal Date: **05/19/2005 12:16**
 Run Date: **05/20/2005 12:23**
 File ID: **11M27058**

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250

42 of 47

Report Number: L0505337

Report Date : May 24, 2005

00094075

Sample Number: L0505337-22
 Client ID: 29WW29-MAY05
 Matrix: Water
 Workgroup Number: WG189437
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 12:23
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 12:23
 File ID: 11M27058

Analyte	CAS. Number	Result	Qual	RL	MDL
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3	0.274	J	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3	0.254	J	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6	0.279	J	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50

Report Number: L0505337

Report Date : May 24, 2005

00094076

Sample Number: L0505337-22
 Client ID: 29WW29-MAY05
 Matrix: Water
 Workgroup Number: WG189437
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 12:23
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 12:23
 File ID: 11M27058

Analyte	CAS. Number	Result	Qual	RL	MDL
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	101	86	118		
1,2-Dichloroethane-d4	100	80	120		
Toluene-d8	99.8	88	110		
4-Bromofluorobenzene	96.5	86	115		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: L0505337-23
 Client ID: 29WW32-MAY05
 Matrix: Water
 Workgroup Number: WG189437
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 12:53
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 12:53
 File ID: 11M27059

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125

44 of 47

Report Number: L0505337

Report Date : May 24, 2005

00094077

Sample Number: L0505337-23
 Client ID: 29WW32-MAY05
 Matrix: Water
 Workgroup Number: WG189437
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: CMS
 Dilution: 1
 Units: ug/L

Instrument: HPMS11
 Prep Date: 05/20/2005 12:53
 Cal Date: 05/19/2005 12:16
 Run Date: 05/20/2005 12:53
 File ID: 11M27059

Analyte	CAS. Number	Result	Qual	RL	MDL
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3	0.264	J	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	102	86	118		
1,2-Dichloroethane-d4	103	80	120		
Toluene-d8	100	88	110		
4-Bromofluorobenzene	96.9	86	115		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Report Number: L0505337

Report Date : May 24, 2005

00094078

Sample Number: L0505337-24
 Client ID: 29WW34-MAY05
 Matrix: Water
 Workgroup Number: WG189539
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 05/21/2005 17:06
 Cal Date: 04/23/2005 16:36
 Run Date: 05/21/2005 17:06
 File ID: 10M38174

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125

Report Number: **L0505337**Report Date : **May 24, 2005****00094079**

Sample Number: **L0505337-24**
 Client ID: **29WW34-MAY05**
 Matrix: **Water**
 Workgroup Number: **WG189539**
 Collect Date: **16-MAY-05**
 Sample Tag: **01**

Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPMS10**
 Prep Date: **05/21/2005 17:06**
 Cal Date: **04/23/2005 16:36**
 Run Date: **05/21/2005 17:06**
 File ID: **10M38174**

Analyte	CAS. Number	Result	Qual	RL	MDL
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	99.1	86	118		
1,2-Dichloroethane-d4	96.1	80	120		
Toluene-d8	94.1	88	110		
4-Bromofluorobenzene	87.4	86	115		

U Not detected at or above adjusted sample detection limit

WORKGROUP SUMMARY BY METHOD

Analysis:Volatile Organics

Analytical Method:8260B

Workgroup:WG189416

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505337-01	051405-ER			05/19/05 18:16	01	HPMS11	CMS
L0505337-06	29WW09-MAY05			05/20/05 01:16	01	HPMS11	CMS
L0505337-08	29WW115-MAY05			05/20/05 01:46	01	HPMS11	CMS
L0505337-09	29WW119-MAY05			05/20/05 02:16	01	HPMS11	CMS
L0505337-15	29WW19-MAY05			05/20/05 02:46	01	HPMS11	CMS
L0505337-18	29WW23-MAY05			05/20/05 03:17	01	HPMS11	CMS

Analysis:Volatile Organics

Extraction Method:5030B

Workgroup:WG189416

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505337-01	051405-ER				189416	HPMS11	CMS
L0505337-06	29WW09-MAY05				189416	HPMS11	CMS
L0505337-08	29WW115-MAY05				189416	HPMS11	CMS
L0505337-09	29WW119-MAY05				189416	HPMS11	CMS
L0505337-15	29WW19-MAY05				189416	HPMS11	CMS
L0505337-18	29WW23-MAY05				189416	HPMS11	CMS

Analysis:Volatile Organics

Analytical Method:8260B

Workgroup:WG189437

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505337-02	051505-ER			05/20/05 10:23	01	HPMS11	CMS
L0505337-03	051505-TB-2			05/20/05 09:53	01	HPMS11	CMS
L0505337-04	29WW05-MAY05			05/20/05 13:23	01	HPMS11	CMS
L0505337-05	29WW05-MAY05-D			05/20/05 13:53	01	HPMS11	CMS
L0505337-07	29WW10-MAY05			05/20/05 14:23	01	HPMS11	CMS
L0505337-10	29WW15-MAY05			05/20/05 14:53	01	HPMS11	CMS
L0505337-11	29WW15-MAY05-D			05/20/05 15:22	01	HPMS11	CMS
L0505337-19	29WW24-MAY05			05/20/05 10:53	01	HPMS11	CMS
L0505337-20	29WW24-MAY05-MS			05/20/05 11:23	01	HPMS11	CMS
L0505337-21	29WW24-MAY05-MSD			05/20/05 11:53	01	HPMS11	CMS
L0505337-22	29WW29-MAY05			05/20/05 12:23	01	HPMS11	CMS
L0505337-23	29WW32-MAY05			05/20/05 12:53	01	HPMS11	CMS

Analysis:Volatile Organics

Extraction Method:5030B

Workgroup:WG189437

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505337-02	051505-ER				189437	HPMS11	CMS
L0505337-03	051505-TB-2				189437	HPMS11	CMS
L0505337-04	29WW05-MAY05				189437	HPMS11	CMS
L0505337-05	29WW05-MAY05-D				189437	HPMS11	CMS
L0505337-07	29WW10-MAY05				189437	HPMS11	CMS
L0505337-10	29WW15-MAY05				189437	HPMS11	CMS
L0505337-11	29WW15-MAY05-D				189437	HPMS11	CMS
L0505337-19	29WW24-MAY05				189437	HPMS11	CMS
L0505337-20	29WW24-MAY05-MS				189437	HPMS11	CMS
L0505337-21	29WW24-MAY05-MSD				189437	HPMS11	CMS
L0505337-22	29WW29-MAY05				189437	HPMS11	CMS
L0505337-23	29WW32-MAY05				189437	HPMS11	CMS

Analysis:Volatile Organics

Analytical Method:8260B

Workgroup:WG189539

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505337-12	29WW16-MAY05			05/21/05 21:13	DL01	HPMS10	MES
L0505337-13	29WW16-MAY05-D			05/21/05 21:44	DL01	HPMS10	MES
L0505337-14	29WW17-MAY05			05/21/05 15:33	01	HPMS10	MES
L0505337-16	29WW21-MAY05			05/21/05 16:04	01	HPMS10	MES
L0505337-17	29WW22-MAY05			05/21/05 16:35	01	HPMS10	MES
L0505337-24	29WW34-MAY05			05/21/05 17:06	01	HPMS10	MES

Analysis:Volatile Organics

Extraction Method:5030B

Workgroup:WG189539

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505337-12	29WW16-MAY05				189539	HPMS10	MES
L0505337-13	29WW16-MAY05-D				189539	HPMS10	MES
L0505337-14	29WW17-MAY05				189539	HPMS10	MES
L0505337-16	29WW21-MAY05				189539	HPMS10	MES
L0505337-17	29WW22-MAY05				189539	HPMS10	MES
L0505337-24	29WW34-MAY05				189539	HPMS10	MES

Analysis:Volatile Organics

Analytical Method:8260B

Workgroup:WG189541

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505337-10	29WW15-MAY05			05/21/05 13:04	DL01	HPMS11	MES
L0505337-11	29WW15-MAY05-D			05/21/05 13:34	DL01	HPMS11	MES

Analysis:Volatile Organics

Extraction Method:5030B

Workgroup:WG189541

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505337-10	29WW15-MAY05				189541	HPMS11	CMS
L0505337-11	29WW15-MAY05-D				189541	HPMS11	CMS

Analysis:Volatile Organics

Analytical Method:8260B

Workgroup:WG189552

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505337-12	29WW16-MAY05			05/22/05 14:38	DL02	HPMS10	MES
L0505337-13	29WW16-MAY05-D			05/22/05 15:09	DL02	HPMS10	MES

Analysis:Volatile Organics

Extraction Method:5030B

Workgroup:WG189552

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505337-12	29WW16-MAY05				189552	HPMS10	MES
L0505337-13	29WW16-MAY05-D				189552	HPMS10	MES

Kemron Environmental Services
Analyst Listing May 24, 2005

AJF - AMANDA J. FICKIESEN	ALB - ANNIE L. BOCK	ALT - ANN L. THAYER
BRG - BRENDA R. GREGORY	CAF - CHERYL A. FLOWERS	CAK - CHERYL A. KOELSCH
CEB - CHAD E. BARNES	CLC - CHRYS L. CRAWFORD	CLK - CARL L. KING
CLS - CARA L. STRICKLER	CLW - CHARISSA L. WINTERS	CM - CHARLIE MARTIN
CMS - CRYSTAL M. STEPHENS	CPD - CHAD P. DAVIS	CRC - CARLA R. COCHRAN
CSH - CHRIS S. HILL	DAS - DALLAS A. SULLIVAN	DD - DIANE M. DENNIS
DDE - DEBRA D. ELLIOTT	DEL - DON E. LIGHTFRITZ	DEV - DAVID E. VANDENBERG
DGB - DOUGLAS G. BUTCHER	DIH - DEANNA I. HESSON	DLB - DAVID L. BUMGARNER
DLP - DOROTHY L. PAYNE	DLR - DIANNA L. RAUCH	DP - DEANNA L. PIERSON
DR - DEANNA ROBERTS	DRB - DOUG R. BARNETT	DSM - DAVID S. MOSSOR
DST - DENNIS S. TEPE	ECL - ERIC C. LAWSON	ED - EMILY E. DECKER
HAV - HEMA VILASAGAR	JAL - JOHN A. LENT	JJG - JOHN J. GREUEY
JKT - JANE K. THOMPSON	JLS - JANICE L. SCHIMMEL	JWR - JOHN W. RICHARDS
JWS - JACK W. SHEAVES	JYH - JI Y. HU	KEB - KATHRYN E. BARNES
KHR - KIM H. RHODES	KRA - KATHY R. ALBERTSON	LKN - LINDA K. NEDEFF
LSA - LUCINDA S. ARNOLD	LSB - LESLIE S. BUCINA	MAH - MICALYN A. HARRIS
MDA - MICHAEL D. ALBERTSON	MDC - MICHAEL D. COCHRAN	MES - MARY E. SCHILLING
MKZ - MARILYN K. ZUMBRO	MLR - MARY L. ROCHOTTE	MLS - MICHAEL L. SCHIMMEL
MMB - MAREN M. BEERY	MSW - MATT S. WILSON	NJB - NATALIE J. BOOTH
OGT - OKEY G. TUCKER	PAS - PATRICK A. STREET	RB - ROBERT BUCHANAN
RDC - REBECCA D. CUTLIP	REK - ROBERT E. KYER	RWC - RODNEY W. CAMPBELL
SCM - SUSAN C. MOELLENDICK	SK - SANDRA KEENER	SLM - STEPHANIE L. MOSSBURG
SLP - SHERI L. PFALZGRAF	SMH - SHAUNA M. HYDE	TD - TIMOTHY DYSERT
TMM - TAMMY M. MORRIS	VC - VICKI COLLIER	VKL - VICKY K. LAUER

KEMRON Environmental Services, Inc.

List of Valid Qualifiers

May 24, 2005

These are KEMRON's standard report qualifiers:

B	Present in the method blank	NS	Not spiked
C	Confirmed by GC/MS	P	Concentration >40% difference between the two GC columns
CG	Confluent growth		
D	The analyte was quantified as a secondary dilution factor	QNS	Quantity not sufficient to perform analysis
DL	Surrogate or spike was diluted out	RA	Reanalysis confirms reported results
		RE	Reanalysis confirms sample matrix interference
E	Estimated concentration due to sample matrix interference	S	Analyzed by method of standard addition
FL	Free liquid	SMI	Sample matrix interference on surrogate
I	Semi-quantitative result, out of instrument calibration range	SP	Reported results are for spike compounds only
J	Present below normal reporting limit	TNTC	Too numerous to count
L	Sample reporting limits elevated due to matrix interference	U	Analyzed for but not detected
N	Tentatively Identified Compound (TIC)	W	Post-digestion spike for furnace AA out of control limits
NA	Not applicable	X	Exceeds regulatory limit
ND	Not detected at or above the reporting limit (RL)	Z	Can not be resolved from isomer.***
NF	Not found	+	Correlation coefficient for the MSA is less than 0.995
NFL	No free liquid	<	Less than
NI	Non-ignitable	>	Greater than
		*	Surrogate or spike compound out of range

*****Special Notes for Organic Analytes**

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound and are matrix dependent.

AFCEE Qualifiers

These are KEMRON's AFCEE Report Qualifiers

- J** The analyte was positively identified, the quantitation is an estimation.
- U** The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL
- F** The analyte was positively identified by the associated numerical value is below the RL
- R** The data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria
- B** The analyte was found in an associated blank, as well as in the sample
- M** The matrix effect was present
- S** To be applied to all field screening data
- T** Tentatively identified compound (using GC/MS)

Organic QA/QC

VOA - GC/MS

Date: 4/23/05 Analyst: MES Method: (8260) (624)Instrument: HPMS10 Work Group: WG 187632

	Analyst
System Performance Check	
BFB	✓
Initial Calibration	✓
Average RF	✓
Linear Reg or Higher Order Curve	✓
Second Source standard % Difference	✓
Continuing Calibration / Check Standards	NA
Project / Client Specific Requirements	
Special Standards	
Blanks	
TCL's	
Surrogates	
LCS (Laboratory Control Sample)	
Recoveries	
Surrogates	
MS / MSD / Duplicates	
Samples	
TCL Hits	
Spectra of TCL Hits	
Surrogates	
Internal Standards Criteria	
Calculations & Correct Factors	
Dilutions Run	
Reruns	
Manual Integrations	
Excel Spreadsheets	✓
Case Narrative	✓
Narrative Summary	NA
Results Reporting / Data Qualifiers	
Client Data Package Assembly	
Check for Completeness	✓

Primary Reviewers Initials & Date Checked: mf 4/25/05Secondary Reviewers Initials & Date Checked: Cur 4/25/05

Comments: _____

✓ = Checked & OK
 NA = Not Applicable

Date: 5/19/05 Analyst: CMS Method: 8260 624Instrument: HPMS11 Work Group: WG 189358, 189416

	Analyst
System Performance Check	✓
BFB	✓
Initial Calibration	✓
Average RF	✓
Linear Reg or Higher Order Curve	✓
Second Source standard % Difference	✓
Continuing Calibration / Check Standards	NA
Project / Client Specific Requirements	
Special Standards	
Blanks	
TCL's	
Surrogates	
LCS (Laboratory Control Sample)	
Recoveries	
Surrogates	
MS / MSD / Duplicates	
Samples	
TCL Hits	
Spectra of TCL Hits	
Surrogates	
Internal Standards Criteria	
Calculations & Correct Factors	
Dilutions Run	
Reruns	
Manual Integrations	✓
Excel Spreadsheets	✓
Case Narrative	NA
Narrative Summary	
Results Reporting / Data Qualifiers	
Client Data Package Assembly	
Check for Completeness	

Primary Reviewers Initials & Date Checked: CMS 5/20/05Secondary Reviewers Initials & Date Checked: CM 5/20/05

Comments: _____

✓ = Checked & OK
 NA = Not Applicable

Date: 5/19/05 Analyst: CMS Method: 8260 624Instrument: HPMS11 Work Group: WG 189358, 189416

	Analyst
System Performance Check	✓
BFB	✓
Initial Calibration	✓
Average RF	✓
Linear Reg or Higher Order Curve	✓
Second Source standard % Difference	✓
Continuing Calibration / Check Standards	NA
Project / Client Specific Requirements	
Special Standards	
Blanks	
TCL's	
Surrogates	
LCS (Laboratory Control Sample)	
Recoveries	
Surrogates	
MS / MSD / Duplicates	
Samples	
TCL Hits	
Spectra of TCL Hits	
Surrogates	
Internal Standards Criteria	
Calculations & Correct Factors	
Dilutions Run	
Reruns	
Manual Integrations	✓
Excel Spreadsheets	✓
Case Narrative	NA
Narrative Summary	
Results Reporting / Data Qualifiers	
Client Data Package Assembly	
Check for Completeness	

Primary Reviewers Initials & Date Checked: CMS 5/20/05Secondary Reviewers Initials & Date Checked: CM 5/20/05

Comments: _____

✓ = Checked & OK
 NA = Not Applicable

VOA - GC/MS

Date: 5/20/05 Analyst: CMS Method: 8260 624Instrument: HPMS11 Work Group: WG 189437

	Analyst
System Performance Check	✓
BFB	✓
Initial Calibration	✓
Average RF	✓
Linear Reg or Higher Order Curve	✓
Second Source standard % Difference	✓
Continuing Calibration / Check Standards	✓
Project / Client Specific Requirements	✓
Special Standards	NA
Blanks	✓
TCL's	✓
Surrogates	✓
LCS (Laboratory Control Sample)	✓
Recoveries	✓
Surrogates	✓
MS / MSD / Duplicates	✓
Samples	✓
TCL Hits	✓
Spectra of TCL Hits	✓
Surrogates	✓
Internal Standards Criteria	✓
Calculations & Correct Factors	✓
Dilutions Run	NA
Reruns	+
Manual Integrations	✓
Excel Spreadsheets	✓
Case Narrative	NA
Narrative Summary	✓
Results Reporting / Data Qualifiers	✓
Client Data Package Assembly	NA
Check for Completeness	✓

Primary Reviewers Initials & Date Checked: CMS 5/23/05Secondary Reviewers Initials & Date Checked: CMS 5/24/05

Comments: _____

✓ = Checked & OK
 NA = Not Applicable

VOA - GC/MS

Date: 5/21/05 Analyst: MES Method: 8260 624
 Instrument: HPMS10 Work Group: WG 189539

System Performance Check	Analyst
BFB	✓
Initial Calibration	✓
Average RF	✓
Linear Reg or Higher Order Curve	✓
Second Source standard % Difference	✓
Continuing Calibration / Check Standards	✓
Project / Client Specific Requirements	✓
Special Standards	NA
Blanks	✓
TCL's	✓
Surrogates	✓
LCS (Laboratory Control Sample)	✓
Recoveries	✓
Surrogates	✓
MS / MSD / Duplicates	NA
Samples	✓
TCL Hits	✓
Spectra of TCL Hits	✓
Surrogates	✓
Internal Standards Criteria	✓
Calculations & Correct Factors	✓
Dilutions Run	NA
Reruns	✓
Manual Integrations	✓
Excel Spreadsheets	✓
Case Narrative	✓
Narrative Summary	NA
Results Reporting / Data Qualifiers	✓
Client Data Package Assembly	✓
Check for Completeness	NA

Primary Reviewers Initials & Date Checked: mg 5/23/05

Secondary Reviewers Initials & Date Checked: Chr 5/24/05

Comments: _____

✓ = Checked & OK
 NA = Not Applicable

VOA - GC/MS

Date: 5/21/05 Analyst: MES Method: (8260) (624)Instrument: HPMS11 Work Group: WG 189541

	Analyst
System Performance Check	✓
BFB	✓
Initial Calibration	✓
Average RF	✓
Linear Reg or Higher Order Curve	✓
Second Source standard % Difference	✓
Continuing Calibration / Check Standards	✓
Project / Client Specific Requirements	✓
Special Standards	NA
Blanks	✓
TCL's	✓
Surrogates	✓
LCS (Laboratory Control Sample)	✓
Recoveries	✓
Surrogates	✓
MS / MSD / Duplicates	✓
Samples	✓
TCL Hits	✓
Spectra of TCL Hits	✓
Surrogates	✓
Internal Standards Criteria	✓
Calculations & Correct Factors	✓
Dilutions Run	✓
Reruns	NA
Manual Integrations	✓
Excel Spreadsheets	✓
Case Narrative	NA
Narrative Summary	✓
Results Reporting / Data Qualifiers	✓
Client Data Package Assembly	NA
Check for Completeness	✓

Primary Reviewers Initials & Date Checked: Ques 5/23/05Secondary Reviewers Initials & Date Checked: CM 5/24/05

Comments: _____

✓ = Checked & OK
 NA = Not Applicable

VOA - GC/MS

Date: 5/22/05 Analyst: MES Method: 8260 624
 Instrument: #PMS10 Work Group: WG 189552

System Performance Check	Analyst
BFB	✓
Initial Calibration	✓
Average RF	✓
Linear Reg or Higher Order Curve	✓
Second Source standard % Difference	✓
Continuing Calibration / Check Standards	✓
Project / Client Specific Requirements	✓
Special Standards	✓ ~~NA~~
Blanks	NA
TCL's	✓
Surrogates	✓
LCS (Laboratory Control Sample)	✓
Recoveries	✓
Surrogates	✓
MS / MSD / Duplicates	✓
Samples	NA
TCL Hits	✓
Spectra of TCL Hits	✓
Surrogates	✓
Internal Standards Criteria	✓
Calculations & Correct Factors	✓
Dilutions Run	✓
Reruns	✓
Manual Integrations	✓
Excel Spreadsheets	✓
Case Narrative	✓
Narrative Summary	NA
Results Reporting / Data Qualifiers	✓
Client Data Package Assembly	✓
Check for Completeness	NA

mf
5/24/05

Primary Reviewers Initials & Date Checked: mf 5/24/05

Secondary Reviewers Initials & Date Checked: Wm 5/24/05

Comments: _____

✓ = Checked & OK
 NA = Not Applicable

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00094094

Analytical Method: 8260B
Login Number: L0505337

AAB#: WG189416

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
051405-ER	05/14/05	05/17/05	05/19/05	14	5.39	05/19/05	14	5.39	
29WW09-MAY05	05/15/05	05/17/05	05/20/05	14	4.47	05/20/05	14	4.47	
29WW115-MAY05	05/15/05	05/17/05	05/20/05	14	4.53	05/20/05	14	4.53	
29WW119-MAY05	05/15/05	05/17/05	05/20/05	14	4.72	05/20/05	14	4.72	
29WW19-MAY05	05/15/05	05/17/05	05/20/05	14	4.52	05/20/05	14	4.52	
29WW23-MAY05	05/15/05	05/17/05	05/20/05	14	4.56	05/20/05	14	4.56	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00094095

Analytical Method: 8260B
Login Number: L0505337

AAB#: WG189437

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
051505-ER	05/16/05	05/17/05	05/20/05	14	3.81	05/20/05	14	3.81	
051505-TB-2	05/16/05	05/17/05	05/20/05	14	3.91	05/20/05	14	3.91	
29WW05-MAY05	05/16/05	05/17/05	05/20/05	14	4.10	05/20/05	14	4.10	
29WW05-MAY05-D	05/16/05	05/17/05	05/20/05	14	4.13	05/20/05	14	4.13	
29WW10-MAY05	05/16/05	05/17/05	05/20/05	14	4.23	05/20/05	14	4.23	
29WW15-MAY05	05/16/05	05/17/05	05/20/05	14	4.04	05/20/05	14	4.04	
29WW15-MAY05-D	05/16/05	05/17/05	05/20/05	14	4.06	05/20/05	14	4.06	
29WW24-MAY05	05/15/05	05/17/05	05/20/05	14	4.85	05/20/05	14	4.85	
29WW24-MAY05-MS	05/15/05	05/17/05	05/20/05	14	4.87	05/20/05	14	4.87	
29WW24-MAY05-MSD	05/15/05	05/17/05	05/20/05	14	4.89	05/20/05	14	4.89	
29WW29-MAY05	05/15/05	05/17/05	05/20/05	14	5.02	05/20/05	14	5.02	
29WW32-MAY05	05/15/05	05/17/05	05/20/05	14	5.12	05/20/05	14	5.12	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00094096

Analytical Method: 8260B
Login Number: L0505337

AAB#: WG189539

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
29WW16-MAY05	05/16/05	05/17/05	05/21/05	14	5.39	05/21/05	14	5.39	
29WW16-MAY05-D	05/16/05	05/17/05	05/21/05	14	5.41	05/21/05	14	5.41	
29WW17-MAY05	05/16/05	05/17/05	05/21/05	14	5.26	05/21/05	14	5.26	
29WW21-MAY05	05/16/05	05/17/05	05/21/05	14	5.21	05/21/05	14	5.21	
29WW22-MAY05	05/16/05	05/17/05	05/21/05	14	5.27	05/21/05	14	5.27	
29WW34-MAY05	05/16/05	05/17/05	05/21/05	14	5.27	05/21/05	14	5.27	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00094097

Analytical Method: 8260B
Login Number: L0505337

AAB#: WG189541

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
29WW15-MAY05	05/16/05	05/17/05	05/21/05	14	4.97	05/21/05	14	4.97	
29WW15-MAY05-D	05/16/05	05/17/05	05/21/05	14	4.99	05/21/05	14	4.99	

* EXT = SEE PROJECT QAPP REQUIREMENTS

* ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00094098

Analytical Method: 8260B
Login Number: L0505337

AAB#: WG189552

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
29WW16-MAY05	05/16/05	05/17/05	05/22/05	14	6.12	05/22/05	14	6.12	
29WW16-MAY05-D	05/16/05	05/17/05	05/22/05	14	6.14	05/22/05	14	6.14	

* EXT = SEE PROJECT QAPP REQUIREMENTS

* ANAL = SEE PROJECT QAPP REQUIREMENTS

SURROGATE STANDARDS

Login Number: L0505337

Method: 8260

Instrument Id: HPMS11

CAL ID: HPMS11 - 19-MAY-05

Workgroup (AAB#): WG189416

Matrix: WATER

Sample Number	Dilution	Tag	1	2	3	4
L0505337-01	1.00	01	97.4	99.9	98.6	102
L0505337-06	1.00	01	107	104	96.5	102
L0505337-08	1.00	01	107	104	97.5	101
L0505337-09	1.00	01	108	104	97.9	102
L0505337-15	1.00	01	106	104	97.6	101
L0505337-18	1.00	01	107	104	96.3	101
WG189416-01	1.00	01	93.8	99.5	98.3	102
WG189416-02	1.00	01	94.0	98.3	98.2	101
WG189416-03	1.00	01	93.3	99.3	97.4	102
WG189416-04	1.00	01	96.4	99.4	98.4	101

Surrogates	Surrogate Limits
1 - 1,2-Dichloroethane-d4	80 - 120
2 - Dibromofluoromethane	86 - 118
3 - 4-Bromofluorobenzene	86 - 115
4 - Toluene-d8	88 - 110

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

SURROGATE STANDARDS

Login Number: L0505337

Method: 8260

Instrument Id: HPMS11

CAL ID: HPMS11 - 19-MAY-05

Workgroup (AAB#): WG189437

Matrix: WATER

Sample Number	Dilution	Tag	1	2	3	4
L0505337-02	1.00	01	99.4	101	96.3	102
L0505337-03	1.00	01	100	100	98.7	103
L0505337-04	1.00	01	103	103	98.5	102
L0505337-05	1.00	01	102	102	95.9	102
L0505337-07	1.00	01	101	101	97.6	101
L0505337-10	1.00	01	104	102	98.6	100
L0505337-11	1.00	01	106	103	96.6	98.1
L0505337-19	1.00	01	102	102	96.5	102
L0505337-20	1.00	01	98.0	101	95.4	102
L0505337-21	1.00	01	98.9	102	96.1	101
L0505337-22	1.00	01	100	101	96.5	99.8
L0505337-23	1.00	01	103	102	96.9	100
WG189437-01	1.00	01	102	102	98.0	102
WG189437-02	1.00	01	98.3	101	96.3	102

Surrogates	Surrogate Limits
1 - 1,2-Dichloroethane-d4	80 - 120
2 - Dibromofluoromethane	86 - 118
3 - 4-Bromofluorobenzene	86 - 115
4 - Toluene-d8	88 - 110

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

SURROGATE STANDARDS

Login Number: L0505337

Method: 8260

Instrument Id: HPMS10

CAL ID: HPMS10 - 23-APR-05

Workgroup (AAB#): WG189539

Matrix: WATER

Sample Number	Dilution	Tag	1	2	3	4
L0505337-12	1000	DL01	96.9	99.8	88.0	93.4
L0505337-13	1000	DL01	99.4	102	89.5	93.9
L0505337-14	1.00	01	95.1	99.5	86.4	93.4
L0505337-16	1.00	01	96.4	100	87.0	94.4
L0505337-17	1.00	01	96.2	98.1	86.4	92.7
L0505337-24	1.00	01	96.1	99.1	87.4	94.1
WG189539-01	1.00	01	93.2	99.6	88.1	92.6
WG189539-02	1.00	01	95.2	103	<u>84.6</u>	93.1
WG189539-03	1.00	01	91.1	101	86.6	92.8
WG189539-04	1.00	01	104	103	91.2	94.5

Surrogates	Surrogate Limits
1 - 1,2-Dichloroethane-d4	80 - 120
2 - Dibromofluoromethane	86 - 118
3 - 4-Bromofluorobenzene	86 - 115
4 - Toluene-d8	88 - 110

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

SURROGATE STANDARDS

Login Number:L0505337

Method:8260

Instrument Id:HPMS11

CAL ID: HPMS11 - 19-MAY-05

Workgroup (AAB#):WG189541

Matrix:WATER

Sample Number	Dilution	Tag	1	2	3	4
L0505337-10	100	DL01	96.6	100	104	104
L0505337-11	100	DL01	97.9	101	104	105
WG189541-01	1.00	03	99.4	102	105	103
WG189541-02	1.00	01	97.5	100	104	104
WG189541-03	1.00	01	99.0	102	103	101
WG189541-07	1.00	01	96.5	99.8	99.3	103

Surrogates	Surrogate Limits
1 - 1,2-Dichloroethane-d4	80 - 120
2 - Dibromofluoromethane	86 - 118
3 - 4-Bromofluorobenzene	86 - 115
4 - Toluene-d8	88 - 110

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

SURROGATE STANDARDS

Login Number: L0505337
Instrument Id: HPMS10
Workgroup (AAB#): WG189552

Method: 8260
CAL ID: HPMS10 - 23-APR-05
Matrix: WATER

Sample Number	Dilution	Tag	1	2	3	4
L0505337-12	50000	DL02	83.1	92.0	86.3	92.5
L0505337-13	50000	DL02	82.6	91.8	86.3	93.0
WG189552-01	1.00	01	83.8	91.3	<u>85.7</u>	91.7
WG189552-02	1.00	01	82.7	93.9	<u>85.9</u>	92.4
WG189552-03	1.00	01	81.8	92.5	87.2	92.3
WG189552-04	1.00	01	93.7	95.4	86.1	92.6

Surrogates		Surrogate Limits	
1	- 1,2-Dichloroethane-d4	80	- 120
2	- Dibromofluoromethane	86	- 118
3	- 4-Bromofluorobenzene	86	- 115
4	- Toluene-d8	88	- 110

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

Login Number: L0505337
Blank File ID: 11M27024
Date Analyzed: 05/19/05
Time Analyzed: 16:16
Analyst: CMS

Work Group: WG189416
Blank Sample ID: WG189416-01
Instrument ID: HPMS11
Method: 8260B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG189416-02	11M27025	05/19/05 16:46	01
LCS2	WG189416-03	11M27026	05/19/05 17:16	01
FBLK	WG189416-04	11M27027	05/19/05 17:46	01
051405-ER	L0505337-01	11M27028	05/19/05 18:16	01
29WW09-MAY05	L0505337-06	11M27042	05/20/05 01:16	01
29WW115-MAY05	L0505337-08	11M27043	05/20/05 01:46	01
29WW119-MAY05	L0505337-09	11M27044	05/20/05 02:16	01
29WW19-MAY05	L0505337-15	11M27045	05/20/05 02:46	01
29WW23-MAY05	L0505337-18	11M27046	05/20/05 03:17	01

Login Number: L0505337
Blank File ID: 11M27050
Date Analyzed: 05/20/05
Time Analyzed: 08:23
Analyst: CMS

Work Group: WG189437
Blank Sample ID: WG189437-01
Instrument ID: HPMS11
Method: 8260B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG189437-02	11M27051	05/20/05 08:53	01
051505-TB-2	L0505337-03	11M27053	05/20/05 09:53	01
051505-ER	L0505337-02	11M27054	05/20/05 10:23	01
29WW24-MAY05	L0505337-19	11M27055	05/20/05 10:53	01
29WW24-MAY05-MS	L0505337-20	11M27056	05/20/05 11:23	01
29WW24-MAY05-MSD	L0505337-21	11M27057	05/20/05 11:53	01
29WW29-MAY05	L0505337-22	11M27058	05/20/05 12:23	01
29WW32-MAY05	L0505337-23	11M27059	05/20/05 12:53	01
29WW05-MAY05	L0505337-04	11M27060	05/20/05 13:23	01
29WW05-MAY05-D	L0505337-05	11M27061	05/20/05 13:53	01
29WW10-MAY05	L0505337-07	11M27062	05/20/05 14:23	01
29WW15-MAY05	L0505337-10	11M27063	05/20/05 14:53	01
29WW15-MAY05-D	L0505337-11	11M27064	05/20/05 15:22	01

Login Number: L0505337
Blank File ID: 10M38163
Date Analyzed: 05/21/05
Time Analyzed: 11:25
Analyst: MES

Work Group: WG189539
Blank Sample ID: WG189539-01
Instrument ID: HPMS10
Method: 8260B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG189539-02	10M38164	05/21/05 11:56	01
LCS2	WG189539-03	10M38165	05/21/05 12:27	01
29WW17-MAY05	L0505337-14	10M38171	05/21/05 15:33	01
29WW21-MAY05	L0505337-16	10M38172	05/21/05 16:04	01
29WW22-MAY05	L0505337-17	10M38173	05/21/05 16:35	01
29WW34-MAY05	L0505337-24	10M38174	05/21/05 17:06	01
29WW16-MAY05	L0505337-12	10M38182	05/21/05 21:13	DL01
29WW16-MAY05-D	L0505337-13	10M38183	05/21/05 21:44	DL01
BLANK2	WG189539-04	10M38186	05/21/05 23:18	01

Login Number: L0505337
Blank File ID: 11M27079
Date Analyzed: 05/21/05
Time Analyzed: 12:29
Analyst: MES

Work Group: WG189541
Blank Sample ID: WG189541-01
Instrument ID: HPMS11
Method: 8260B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG189541-02	11M27077	05/21/05 11:29	01
LCS2	WG189541-03	11M27078	05/21/05 11:59	01
29WW15-MAY05	L0505337-10	11M27080	05/21/05 13:04	DL01
29WW15-MAY05-D	L0505337-11	11M27081	05/21/05 13:34	DL01
BLANK2	WG189541-07	11M27092	05/21/05 19:03	01

Login Number: L0505337
Blank File ID: 10M38199
Date Analyzed: 05/22/05
Time Analyzed: 12:35
Analyst: MES

Work Group: WG189552
Blank Sample ID: WG189552-01
Instrument ID: HPMS10
Method: 8260B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG189552-02	10M38200	05/22/05 13:06	01
LCS2	WG189552-03	10M38201	05/22/05 13:36	01
29WW16-MAY05	L0505337-12	10M38203	05/22/05 14:38	DL02
29WW16-MAY05-D	L0505337-13	10M38204	05/22/05 15:09	DL02
BLANK2	WG189552-04	10M38221	05/22/05 23:55	01

Login Number: L0505337 Run Date: 05/19/2005 Sample ID: WG189416-01
 Instrument ID: HPMS11 Run Time: 16:16 Prep Method: 5030B
 File ID: 11M27024 Analvst: CMS Method: 8260B
 Workgroup (AAB#): WG189416 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS11-19-MAY-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Acetone	2.50	10.0	2.50	1	U
Benzene	0.125	1.00	0.125	1	U
Bromobenzene	0.125	1.00	0.125	1	U
Bromochloromethane	0.200	1.00	0.200	1	U
Bromodichloromethane	0.250	1.00	0.250	1	U
Bromoform	0.540	1.00	0.540	1	U
Bromomethane	0.500	1.00	0.500	1	U
2-Butanone	2.50	10.0	2.50	1	U
n-Butylbenzene	0.250	1.00	0.250	1	U
sec-Butylbenzene	0.250	1.00	0.250	1	U
tert-Butylbenzene	0.250	1.00	0.250	1	U
Carbon disulfide	0.500	1.00	0.500	1	U
Carbon tetrachloride	0.250	1.00	0.250	1	U
Chlorobenzene	0.125	1.00	0.125	1	U
Chlorodibromomethane	0.250	1.00	0.250	1	U
Chloroethane	0.500	1.00	0.500	1	U
2-Chloroethyl vinyl ether	2.00	10.0	2.00	1	U
Chloroform	0.125	1.00	0.125	1	U
Chloromethane	0.250	1.00	0.250	1	U
2-Chlorotoluene	0.125	1.00	0.125	1	U
4-Chlorotoluene	0.250	1.00	0.250	1	U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1	U
1,2-Dibromoethane	0.250	1.00	0.250	1	U
Dibromomethane	0.250	1.00	0.250	1	U
1,2-Dichlorobenzene	0.125	1.00	0.125	1	U
1,3-Dichlorobenzene	0.250	1.00	0.250	1	U
1,4-Dichlorobenzene	0.125	1.00	0.125	1	U
Dichlorodifluoromethane	0.250	1.00	0.250	1	U
1,1-Dichloroethane	0.125	1.00	0.125	1	U
1,2-Dichloroethane	0.250	1.00	0.250	1	U
1,1-Dichloroethene	0.500	1.00	0.500	1	U
cis-1,2-Dichloroethene	0.250	1.00	0.250	1	U
trans-1,2-Dichloroethene	0.250	1.00	0.250	1	U
1,2-Dichloropropane	0.125	1.00	0.125	1	U
1,3-Dichloropropane	0.200	1.00	0.200	1	U
2,2-Dichloropropane	0.250	1.00	0.250	1	U
cis-1,3-Dichloropropene	0.250	1.00	0.250	1	U
trans-1,3-Dichloropropene	0.500	1.00	0.500	1	U
1,1-Dichloropropene	0.250	1.00	0.250	1	U
Ethylbenzene	0.250	1.00	0.250	1	U
2-Hexanone	2.50	10.0	2.50	1	U
Hexachlorobutadiene	0.250	1.00	0.455	1	J

KEMRON FORMS - Modified 05/17/2005
 Version 1.5 PDF File ID: 240325
 Report generated 05/24/2005 13:44

Login Number: L0505337 Run Date: 05/19/2005 Sample ID: WG189416-01
 Instrument ID: HPMS11 Run Time: 16:16 Prep Method: 5030B
 File ID: 11M27024 Analyst: CMS Method: 8260B
 Workgroup (AAB#): WG189416 Matrix: Water Units: ug/L
 Contract #: Cal ID: HPMS11 - 19-MAY-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Isopropylbenzene	0.250	1.00	0.250	1	U
p-Isopropyltoluene	0.250	1.00	0.250	1	U
4-Methyl-2-pentanone	2.50	10.0	2.50	1	U
Methylene chloride	0.250	5.00	0.250	1	U
Naphthalene	0.200	1.00	0.584	1	J
n-Propylbenzene	0.125	1.00	0.125	1	U
Styrene	0.125	1.00	0.125	1	U
1,1,1,2-Tetrachloroethane	0.250	1.00	0.250	1	U
1,1,2,2-Tetrachloroethane	0.125	1.00	0.125	1	U
Tetrachloroethene	0.250	1.00	0.250	1	U
Toluene	0.250	1.00	0.250	1	U
1,2,3-Trichlorobenzene	0.125	1.00	0.598	1	J
1,2,4-Trichlorobenzene	0.200	1.00	0.366	1	J
1,1,1-Trichloroethane	0.250	1.00	0.250	1	U
1,1,2-Trichloroethane	0.250	1.00	0.250	1	U
Trichloroethene	0.250	1.00	0.250	1	U
Trichlorofluoromethane	0.250	1.00	0.250	1	U
1,2,3-Trichloropropane	0.750	1.00	0.750	1	U
1,2,4-Trimethylbenzene	0.250	1.00	0.250	1	U
1,3,5-Trimethylbenzene	0.250	1.00	0.250	1	U
Vinyl acetate	2.50	10.0	2.50	1	U
Vinyl chloride	0.250	1.00	0.250	1	U
o-Xylene	0.250	1.00	0.250	1	U
m-,p-Xylene	0.500	1.00	0.500	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	99.5	86 - 118	PASS
1,2-Dichloroethane-d4	93.8	80 - 120	PASS
Toluene-d8	102	88 - 110	PASS
4-Bromofluorobenzene	98.3	86 - 115	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

ND Analyte Not detected at or above reporting limit

Login Number: L0505337 Run Date: 05/20/2005 Sample ID: WG189437-01
 Instrument ID: HPMS11 Run Time: 08:23 Prep Method: 5030B
 File ID: 11M27050 Analvst: CMS Method: 8260B
 Workgroup (AAB#): WG189437 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS11-19-MAY-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Acetone	2.50	10.0	2.50	1	U
Benzene	0.125	1.00	0.125	1	U
Bromobenzene	0.125	1.00	0.125	1	U
Bromochloromethane	0.200	1.00	0.200	1	U
Bromodichloromethane	0.250	1.00	0.250	1	U
Bromoform	0.540	1.00	0.540	1	U
Bromomethane	0.500	1.00	0.500	1	U
2-Butanone	2.50	10.0	2.50	1	U
n-Butylbenzene	0.250	1.00	0.250	1	U
sec-Butylbenzene	0.250	1.00	0.250	1	U
tert-Butylbenzene	0.250	1.00	0.250	1	U
Carbon disulfide	0.500	1.00	0.500	1	U
Carbon tetrachloride	0.250	1.00	0.250	1	U
Chlorobenzene	0.125	1.00	0.125	1	U
Chlorodibromomethane	0.250	1.00	0.250	1	U
Chloroethane	0.500	1.00	0.500	1	U
2-Chloroethyl vinyl ether	2.00	10.0	2.00	1	U
Chloroform	0.125	1.00	0.125	1	U
Chloromethane	0.250	1.00	0.250	1	U
2-Chlorotoluene	0.125	1.00	0.125	1	U
4-Chlorotoluene	0.250	1.00	0.250	1	U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1	U
1,2-Dibromoethane	0.250	1.00	0.250	1	U
Dibromomethane	0.250	1.00	0.250	1	U
1,2-Dichlorobenzene	0.125	1.00	0.125	1	U
1,3-Dichlorobenzene	0.250	1.00	0.250	1	U
1,4-Dichlorobenzene	0.125	1.00	0.125	1	U
Dichlorodifluoromethane	0.250	1.00	0.250	1	U
1,1-Dichloroethane	0.125	1.00	0.125	1	U
1,2-Dichloroethane	0.250	1.00	0.250	1	U
1,1-Dichloroethene	0.500	1.00	0.500	1	U
cis-1,2-Dichloroethene	0.250	1.00	0.250	1	U
trans-1,2-Dichloroethene	0.250	1.00	0.250	1	U
1,2-Dichloropropane	0.125	1.00	0.125	1	U
1,3-Dichloropropane	0.200	1.00	0.200	1	U
2,2-Dichloropropane	0.250	1.00	0.250	1	U
cis-1,3-Dichloropropene	0.250	1.00	0.250	1	U
trans-1,3-Dichloropropene	0.500	1.00	0.500	1	U
1,1-Dichloropropene	0.250	1.00	0.250	1	U
Ethylbenzene	0.250	1.00	0.250	1	U
2-Hexanone	2.50	10.0	2.50	1	U
Hexachlorobutadiene	0.250	1.00	0.396	1	J

KEMRON FORMS - Modified 05/17/2005
 Version 1.5 PDF File ID: 240325
 Report generated 05/24/2005 13:44

Login Number: L0505337 Run Date: 05/20/2005 Sample ID: WG189437-01
 Instrument ID: HPMS11 Run Time: 08:23 Prep Method: 5030B
 File ID: 11M27050 Analyst: CMS Method: 8260B
 Workgroup (AAB#): WG189437 Matrix: Water Units: ug/L
 Contract #: Cal ID: HPMS11-19-MAY-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Isopropylbenzene	0.250	1.00	0.250	1	U
p-Isopropyltoluene	0.250	1.00	0.250	1	U
4-Methyl-2-pentanone	2.50	10.0	2.50	1	U
Methylene chloride	0.250	5.00	0.250	1	U
Naphthalene	0.200	1.00	0.458	1	J
n-Propylbenzene	0.125	1.00	0.125	1	U
Styrene	0.125	1.00	0.125	1	U
1,1,1,2-Tetrachloroethane	0.250	1.00	0.250	1	U
1,1,2,2-Tetrachloroethane	0.125	1.00	0.125	1	U
Tetrachloroethene	0.250	1.00	0.250	1	U
Toluene	0.250	1.00	0.250	1	U
1,2,3-Trichlorobenzene	0.125	1.00	0.502	1	J
1,2,4-Trichlorobenzene	0.200	1.00	0.268	1	J
1,1,1-Trichloroethane	0.250	1.00	0.250	1	U
1,1,2-Trichloroethane	0.250	1.00	0.250	1	U
Trichloroethene	0.250	1.00	0.250	1	U
Trichlorofluoromethane	0.250	1.00	0.250	1	U
1,2,3-Trichloropropane	0.750	1.00	0.750	1	U
1,2,4-Trimethylbenzene	0.250	1.00	0.250	1	U
1,3,5-Trimethylbenzene	0.250	1.00	0.250	1	U
Vinyl acetate	2.50	10.0	2.50	1	U
Vinyl chloride	0.250	1.00	0.250	1	U
o-Xylene	0.250	1.00	0.250	1	U
m-,p-Xylene	0.500	1.00	0.500	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	102	86 - 118	PASS
1,2-Dichloroethane-d4	102	80 - 120	PASS
Toluene-d8	102	88 - 110	PASS
4-Bromofluorobenzene	98.0	86 - 115	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

ND Analyte Not detected at or above reporting limit

Login Number: L0505337 Run Date: 05/21/2005 Sample ID: WG189539-01
 Instrument ID: HPMS10 Run Time: 11:25 Prep Method: 5030B
 File ID: 10M38163 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG189539 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS10 - 23-APR-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Acetone	2.50	10.0	2.50	1	U
Benzene	0.125	1.00	0.125	1	U
Bromobenzene	0.125	1.00	0.125	1	U
Bromochloromethane	0.200	1.00	0.200	1	U
Bromodichloromethane	0.250	1.00	0.250	1	U
Bromoform	0.540	1.00	0.540	1	U
Bromomethane	0.500	1.00	0.500	1	U
2-Butanone	2.50	10.0	2.50	1	U
n-Butylbenzene	0.250	1.00	0.250	1	U
sec-Butylbenzene	0.250	1.00	0.250	1	U
tert-Butylbenzene	0.250	1.00	0.250	1	U
Carbon disulfide	0.500	1.00	0.500	1	U
Carbon tetrachloride	0.250	1.00	0.250	1	U
Chlorobenzene	0.125	1.00	0.125	1	U
Chlorodibromomethane	0.250	1.00	0.250	1	U
Chloroethane	0.500	1.00	0.500	1	U
2-Chloroethyl vinyl ether	2.00	10.0	2.00	1	U
Chloroform	0.125	1.00	0.125	1	U
Chloromethane	0.250	1.00	0.250	1	U
2-Chlorotoluene	0.125	1.00	0.125	1	U
4-Chlorotoluene	0.250	1.00	0.250	1	U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1	U
1,2-Dibromoethane	0.250	1.00	0.250	1	U
Dibromomethane	0.250	1.00	0.250	1	U
1,2-Dichlorobenzene	0.125	1.00	0.125	1	U
1,3-Dichlorobenzene	0.250	1.00	0.250	1	U
1,4-Dichlorobenzene	0.125	1.00	0.125	1	U
Dichlorodifluoromethane	0.250	1.00	0.250	1	U
1,1-Dichloroethane	0.125	1.00	0.125	1	U
1,2-Dichloroethane	0.250	1.00	0.250	1	U
1,1-Dichloroethene	0.500	1.00	0.500	1	U
cis-1,2-Dichloroethene	0.250	1.00	0.250	1	U
trans-1,2-Dichloroethene	0.250	1.00	0.250	1	U
1,2-Dichloropropane	0.125	1.00	0.125	1	U
1,3-Dichloropropane	0.200	1.00	0.200	1	U
2,2-Dichloropropane	0.250	1.00	0.250	1	U
cis-1,3-Dichloropropene	0.250	1.00	0.250	1	U
trans-1,3-Dichloropropene	0.500	1.00	0.500	1	U
1,1-Dichloropropene	0.250	1.00	0.250	1	U
Ethylbenzene	0.250	1.00	0.250	1	U
2-Hexanone	2.50	10.0	2.50	1	U
Hexachlorobutadiene	0.250	1.00	0.334	1	J

KEMRON FORMS - Modified 05/17/2005
 Version 1.5 PDF File ID: 240325
 Report generated 05/24/2005 13:44

Login Number: L0505337 Run Date: 05/21/2005 Sample ID: WG189539-01
 Instrument ID: HPMS10 Run Time: 11:25 Prep Method: 5030B
 File ID: 10M38163 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG189539 Matrix: Water Units: ug/L
 Contract #: Cal ID: HPMS10 - 23-APR-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Isopropylbenzene	0.250	1.00	0.250	1	U
p-Isopropyltoluene	0.250	1.00	0.250	1	U
4-Methyl-2-pentanone	2.50	10.0	2.50	1	U
Methylene chloride	0.250	5.00	0.250	1	U
Naphthalene	0.200	1.00	0.200	1	U
n-Propylbenzene	0.125	1.00	0.125	1	U
Styrene	0.125	1.00	0.125	1	U
1,1,1,2-Tetrachloroethane	0.250	1.00	0.250	1	U
1,1,2,2-Tetrachloroethane	0.125	1.00	0.125	1	U
Tetrachloroethene	0.250	1.00	0.250	1	U
Toluene	0.250	1.00	0.250	1	U
1,2,3-Trichlorobenzene	0.125	1.00	0.125	1	U
1,2,4-Trichlorobenzene	0.200	1.00	0.200	1	U
1,1,1-Trichloroethane	0.250	1.00	0.250	1	U
1,1,2-Trichloroethane	0.250	1.00	0.250	1	U
Trichloroethene	0.250	1.00	0.250	1	U
Trichlorofluoromethane	0.250	1.00	0.250	1	U
1,2,3-Trichloropropane	0.750	1.00	0.750	1	U
1,2,4-Trimethylbenzene	0.250	1.00	0.250	1	U
1,3,5-Trimethylbenzene	0.250	1.00	0.250	1	U
Vinyl acetate	2.50	10.0	2.50	1	U
Vinyl chloride	0.250	1.00	0.250	1	U
o-Xylene	0.250	1.00	0.250	1	U
m-,p-Xylene	0.500	1.00	0.500	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	99.6	86 - 118	PASS
1,2-Dichloroethane-d4	93.2	80 - 120	PASS
Toluene-d8	92.6	88 - 110	PASS
4-Bromofluorobenzene	88.1	86 - 115	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

ND Analyte Not detected at or above reporting limit

Login Number: L0505337 Run Date: 05/21/2005 Sample ID: WG189539-04
 Instrument ID: HPMS10 Run Time: 23:18 Prep Method: 5030B
 File ID: 10M38186 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG189539 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS10 - 23-APR-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Acetone	2.50	10.0	2.50	1	U
Benzene	0.125	1.00	0.125	1	U
Bromobenzene	0.125	1.00	0.125	1	U
Bromochloromethane	0.200	1.00	0.200	1	U
Bromodichloromethane	0.250	1.00	0.250	1	U
Bromoform	0.540	1.00	0.540	1	U
Bromomethane	0.500	1.00	0.500	1	U
2-Butanone	2.50	10.0	2.50	1	U
n-Butylbenzene	0.250	1.00	0.250	1	U
sec-Butylbenzene	0.250	1.00	0.250	1	U
tert-Butylbenzene	0.250	1.00	0.250	1	U
Carbon disulfide	0.500	1.00	0.500	1	U
Carbon tetrachloride	0.250	1.00	0.250	1	U
Chlorobenzene	0.125	1.00	0.125	1	U
Chlorodibromomethane	0.250	1.00	0.250	1	U
Chloroethane	0.500	1.00	0.500	1	U
2-Chloroethyl vinyl ether	2.00	10.0	2.00	1	U
Chloroform	0.125	1.00	0.125	1	U
Chloromethane	0.250	1.00	0.250	1	U
2-Chlorotoluene	0.125	1.00	0.125	1	U
4-Chlorotoluene	0.250	1.00	0.250	1	U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1	U
1,2-Dibromoethane	0.250	1.00	0.250	1	U
Dibromomethane	0.250	1.00	0.250	1	U
1,2-Dichlorobenzene	0.125	1.00	0.125	1	U
1,3-Dichlorobenzene	0.250	1.00	0.250	1	U
1,4-Dichlorobenzene	0.125	1.00	0.125	1	U
Dichlorodifluoromethane	0.250	1.00	0.250	1	U
1,1-Dichloroethane	0.125	1.00	0.125	1	U
1,2-Dichloroethane	0.250	1.00	0.250	1	U
1,1-Dichloroethene	0.500	1.00	0.500	1	U
cis-1,2-Dichloroethene	0.250	1.00	0.250	1	U
trans-1,2-Dichloroethene	0.250	1.00	0.250	1	U
1,2-Dichloropropane	0.125	1.00	0.125	1	U
1,3-Dichloropropane	0.200	1.00	0.200	1	U
2,2-Dichloropropane	0.250	1.00	0.250	1	U
cis-1,3-Dichloropropene	0.250	1.00	0.250	1	U
trans-1,3-Dichloropropene	0.500	1.00	0.500	1	U
1,1-Dichloropropene	0.250	1.00	0.250	1	U
Ethylbenzene	0.250	1.00	0.250	1	U
2-Hexanone	2.50	10.0	2.50	1	U
Hexachlorobutadiene	0.250	1.00	0.250	1	U

KEMRON FORMS - Modified 05/17/2005
 Version 1.5 PDF File ID: 240325
 Report generated 05/24/2005 13:44

Login Number: L0505337 Run Date: 05/21/2005 Sample ID: WG189539-04
 Instrument ID: HPMS10 Run Time: 23:18 Prep Method: 5030B
 File ID: 10M38186 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG189539 Matrix: Water Units: ug/L
 Contract #: Cal ID: HPMS10 - 23-APR-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Isopropylbenzene	0.250	1.00	0.250	1	U
p-Isopropyltoluene	0.250	1.00	0.250	1	U
4-Methyl-2-pentanone	2.50	10.0	2.50	1	U
Methylene chloride	0.250	5.00	0.250	1	U
Naphthalene	0.200	1.00	0.200	1	U
n-Propylbenzene	0.125	1.00	0.125	1	U
Styrene	0.125	1.00	0.125	1	U
1,1,1,2-Tetrachloroethane	0.250	1.00	0.250	1	U
1,1,2,2-Tetrachloroethane	0.125	1.00	0.125	1	U
Tetrachloroethene	0.250	1.00	0.250	1	U
Toluene	0.250	1.00	0.250	1	U
1,2,3-Trichlorobenzene	0.125	1.00	0.125	1	U
1,2,4-Trichlorobenzene	0.200	1.00	0.200	1	U
1,1,1-Trichloroethane	0.250	1.00	0.250	1	U
1,1,2-Trichloroethane	0.250	1.00	0.250	1	U
Trichloroethene	0.250	1.00	0.250	1	U
Trichlorofluoromethane	0.250	1.00	0.250	1	U
1,2,3-Trichloropropane	0.750	1.00	0.750	1	U
1,2,4-Trimethylbenzene	0.250	1.00	0.250	1	U
1,3,5-Trimethylbenzene	0.250	1.00	0.250	1	U
Vinyl acetate	2.50	10.0	2.50	1	U
Vinyl chloride	0.250	1.00	0.250	1	U
o-Xylene	0.250	1.00	0.250	1	U
m-,p-Xylene	0.500	1.00	0.500	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	103	86 - 118	PASS
1,2-Dichloroethane-d4	104	80 - 120	PASS
Toluene-d8	94.5	88 - 110	PASS
4-Bromofluorobenzene	91.2	86 - 115	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

ND Analyte Not detected at or above reporting limit

Login Number: L0505337 Run Date: 05/21/2005 Sample ID: WG189541-01
 Instrument ID: HPMS11 Run Time: 12:29 Prep Method: 5030B
 File ID: 11M27079 Analvst: MES Method: 8260B
 Workgroup (AAB#): WG189541 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS11-19-MAY-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Acetone	2.50	10.0	2.50	1	U
Benzene	0.125	1.00	0.125	1	U
Bromobenzene	0.125	1.00	0.125	1	U
Bromochloromethane	0.200	1.00	0.200	1	U
Bromodichloromethane	0.250	1.00	0.250	1	U
Bromoform	0.540	1.00	0.540	1	U
Bromomethane	0.500	1.00	0.500	1	U
2-Butanone	2.50	10.0	2.50	1	U
n-Butylbenzene	0.250	1.00	0.250	1	U
sec-Butylbenzene	0.250	1.00	0.250	1	U
tert-Butylbenzene	0.250	1.00	0.250	1	U
Carbon disulfide	0.500	1.00	0.500	1	U
Carbon tetrachloride	0.250	1.00	0.250	1	U
Chlorobenzene	0.125	1.00	0.125	1	U
Chlorodibromomethane	0.250	1.00	0.250	1	U
Chloroethane	0.500	1.00	0.500	1	U
2-Chloroethyl vinyl ether	2.00	10.0	2.00	1	U
Chloroform	0.125	1.00	0.125	1	U
Chloromethane	0.250	1.00	0.250	1	U
2-Chlorotoluene	0.125	1.00	0.125	1	U
4-Chlorotoluene	0.250	1.00	0.250	1	U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1	U
1,2-Dibromoethane	0.250	1.00	0.250	1	U
Dibromomethane	0.250	1.00	0.250	1	U
1,2-Dichlorobenzene	0.125	1.00	0.125	1	U
1,3-Dichlorobenzene	0.250	1.00	0.250	1	U
1,4-Dichlorobenzene	0.125	1.00	0.125	1	U
Dichlorodifluoromethane	0.250	1.00	0.250	1	U
1,1-Dichloroethane	0.125	1.00	0.125	1	U
1,2-Dichloroethane	0.250	1.00	0.250	1	U
1,1-Dichloroethene	0.500	1.00	0.500	1	U
cis-1,2-Dichloroethene	0.250	1.00	0.250	1	U
trans-1,2-Dichloroethene	0.250	1.00	0.250	1	U
1,2-Dichloropropane	0.125	1.00	0.125	1	U
1,3-Dichloropropane	0.200	1.00	0.200	1	U
2,2-Dichloropropane	0.250	1.00	0.250	1	U
cis-1,3-Dichloropropene	0.250	1.00	0.250	1	U
trans-1,3-Dichloropropene	0.500	1.00	0.500	1	U
1,1-Dichloropropene	0.250	1.00	0.250	1	U
Ethylbenzene	0.250	1.00	0.250	1	U
2-Hexanone	2.50	10.0	2.50	1	U
Hexachlorobutadiene	0.250	1.00	0.254	1	J

KEMRON FORMS - Modified 05/17/2005
 Version 1.5 PDF File ID: 240325
 Report generated 05/24/2005 13:44

Login Number: L0505337 Run Date: 05/21/2005 Sample ID: WG189541-01
 Instrument ID: HPMS11 Run Time: 12:29 Prep Method: 5030B
 File ID: 11M27079 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG189541 Matrix: Water Units: ug/L
 Contract #: Cal ID: HPMS11 - 19-MAY-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Isopropylbenzene	0.250	1.00	0.250	1	U
p-Isopropyltoluene	0.250	1.00	0.250	1	U
4-Methyl-2-pentanone	2.50	10.0	2.50	1	U
Methylene chloride	0.250	5.00	13.8	1	*
Naphthalene	0.200	1.00	0.348	1	J
n-Propylbenzene	0.125	1.00	0.125	1	U
Styrene	0.125	1.00	0.125	1	U
1,1,1,2-Tetrachloroethane	0.250	1.00	0.250	1	U
1,1,2,2-Tetrachloroethane	0.125	1.00	0.125	1	U
Tetrachloroethene	0.250	1.00	0.250	1	U
Toluene	0.250	1.00	0.250	1	U
1,2,3-Trichlorobenzene	0.125	1.00	0.303	1	J
1,2,4-Trichlorobenzene	0.200	1.00	0.202	1	J
1,1,1-Trichloroethane	0.250	1.00	0.250	1	U
1,1,2-Trichloroethane	0.250	1.00	0.250	1	U
Trichloroethene	0.250	1.00	0.250	1	U
Trichlorofluoromethane	0.250	1.00	0.250	1	U
1,2,3-Trichloropropane	0.750	1.00	0.750	1	U
1,2,4-Trimethylbenzene	0.250	1.00	0.250	1	U
1,3,5-Trimethylbenzene	0.250	1.00	0.250	1	U
Vinyl acetate	2.50	10.0	2.50	1	U
Vinyl chloride	0.250	1.00	0.250	1	U
o-Xylene	0.250	1.00	0.250	1	U
m-,p-Xylene	0.500	1.00	0.500	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	102	86 - 118	PASS
1,2-Dichloroethane-d4	99.4	80 - 120	PASS
Toluene-d8	103	88 - 110	PASS
4-Bromofluorobenzene	105	86 - 115	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

ND Analyte Not detected at or above reporting limit

Login Number: L0505337	Run Date: 05/21/2005	Sample ID: WG189541-07
Instrument ID: HPMS11	Run Time: 19:03	Prep Method: 5030B
File ID: 11M27092	Analyst: MES	Method: 8260B
Workgroup (AAB#): WG189541	Matrix: Water	Units: ug/L
Contract #: DACA56-94-D-0020	Cal ID: HPMS11-19-MAY-05	

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Acetone	2.50	10.0	2.50	1	U
Benzene	0.125	1.00	0.125	1	U
Bromobenzene	0.125	1.00	0.125	1	U
Bromochloromethane	0.200	1.00	0.200	1	U
Bromodichloromethane	0.250	1.00	0.250	1	U
Bromoform	0.540	1.00	0.540	1	U
Bromomethane	0.500	1.00	0.500	1	U
2-Butanone	2.50	10.0	2.50	1	U
n-Butylbenzene	0.250	1.00	0.250	1	U
sec-Butylbenzene	0.250	1.00	0.250	1	U
tert-Butylbenzene	0.250	1.00	0.250	1	U
Carbon disulfide	0.500	1.00	0.500	1	U
Carbon tetrachloride	0.250	1.00	0.250	1	U
Chlorobenzene	0.125	1.00	0.125	1	U
Chlorodibromomethane	0.250	1.00	0.250	1	U
Chloroethane	0.500	1.00	0.500	1	U
2-Chloroethyl vinyl ether	2.00	10.0	2.00	1	U
Chloroform	0.125	1.00	0.125	1	U
Chloromethane	0.250	1.00	0.250	1	U
2-Chlorotoluene	0.125	1.00	0.125	1	U
4-Chlorotoluene	0.250	1.00	0.250	1	U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1	U
1,2-Dibromoethane	0.250	1.00	0.250	1	U
Dibromomethane	0.250	1.00	0.250	1	U
1,2-Dichlorobenzene	0.125	1.00	0.125	1	U
1,3-Dichlorobenzene	0.250	1.00	0.250	1	U
1,4-Dichlorobenzene	0.125	1.00	0.125	1	U
Dichlorodifluoromethane	0.250	1.00	0.250	1	U
1,1-Dichloroethane	0.125	1.00	0.125	1	U
1,2-Dichloroethane	0.250	1.00	0.250	1	U
1,1-Dichloroethene	0.500	1.00	0.500	1	U
cis-1,2-Dichloroethene	0.250	1.00	0.250	1	U
trans-1,2-Dichloroethene	0.250	1.00	0.250	1	U
1,2-Dichloropropane	0.125	1.00	0.125	1	U
1,3-Dichloropropane	0.200	1.00	0.200	1	U
2,2-Dichloropropane	0.250	1.00	0.250	1	U
cis-1,3-Dichloropropene	0.250	1.00	0.250	1	U
trans-1,3-Dichloropropene	0.500	1.00	0.500	1	U
1,1-Dichloropropene	0.250	1.00	0.250	1	U
Ethylbenzene	0.250	1.00	0.250	1	U
2-Hexanone	2.50	10.0	2.50	1	U
Hexachlorobutadiene	0.250	1.00	0.250	1	U

KEMRON FORMS - Modified 05/17/2005
Version 1.5 PDF File ID: 240325
Report generated 05/24/2005 13:44

Login Number: L0505337 Run Date: 05/21/2005 Sample ID: WG189541-07
 Instrument ID: HPMS11 Run Time: 19:03 Prep Method: 5030B
 File ID: 11M27092 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG189541 Matrix: Water Units: ug/L
 Contract #: Cal ID: HPMS11 - 19-MAY-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Isopropylbenzene	0.250	1.00	0.250	1	U
p-Isopropyltoluene	0.250	1.00	0.250	1	U
4-Methyl-2-pentanone	2.50	10.0	2.50	1	U
Methylene chloride	0.250	5.00	5.80	1	*
Naphthalene	0.200	1.00	0.200	1	U
n-Propylbenzene	0.125	1.00	0.125	1	U
Styrene	0.125	1.00	0.125	1	U
1,1,1,2-Tetrachloroethane	0.250	1.00	0.250	1	U
1,1,2,2-Tetrachloroethane	0.125	1.00	0.125	1	U
Tetrachloroethene	0.250	1.00	0.250	1	U
Toluene	0.250	1.00	0.250	1	U
1,2,3-Trichlorobenzene	0.125	1.00	0.125	1	U
1,2,4-Trichlorobenzene	0.200	1.00	0.200	1	U
1,1,1-Trichloroethane	0.250	1.00	0.250	1	U
1,1,2-Trichloroethane	0.250	1.00	0.250	1	U
Trichloroethene	0.250	1.00	0.250	1	U
Trichlorofluoromethane	0.250	1.00	0.250	1	U
1,2,3-Trichloropropane	0.750	1.00	0.750	1	U
1,2,4-Trimethylbenzene	0.250	1.00	0.250	1	U
1,3,5-Trimethylbenzene	0.250	1.00	0.250	1	U
Vinyl acetate	2.50	10.0	2.50	1	U
Vinyl chloride	0.250	1.00	0.250	1	U
o-Xylene	0.250	1.00	0.250	1	U
m-,p-Xylene	0.500	1.00	0.500	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	99.8	86 - 118	PASS
1,2-Dichloroethane-d4	96.5	80 - 120	PASS
Toluene-d8	103	88 - 110	PASS
4-Bromofluorobenzene	99.3	86 - 115	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

ND Analyte Not detected at or above reporting limit

Login Number: L0505337 Run Date: 05/22/2005 Sample ID: WG189552-01
 Instrument ID: HPMS10 Run Time: 12:35 Prep Method: 5030B
 File ID: 10M38199 Analvst: MES Method: 8260B
 Workgroup (AAB#): WG189552 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS10 - 23-APR-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Acetone	2.50	10.0	2.50	1	U
Benzene	0.125	1.00	0.125	1	U
Bromobenzene	0.125	1.00	0.125	1	U
Bromochloromethane	0.200	1.00	0.200	1	U
Bromodichloromethane	0.250	1.00	0.250	1	U
Bromoform	0.540	1.00	0.540	1	U
Bromomethane	0.500	1.00	0.500	1	U
2-Butanone	2.50	10.0	2.50	1	U
n-Butylbenzene	0.250	1.00	0.250	1	U
sec-Butylbenzene	0.250	1.00	0.250	1	U
tert-Butylbenzene	0.250	1.00	0.250	1	U
Carbon disulfide	0.500	1.00	0.500	1	U
Carbon tetrachloride	0.250	1.00	0.250	1	U
Chlorobenzene	0.125	1.00	0.125	1	U
Chlorodibromomethane	0.250	1.00	0.250	1	U
Chloroethane	0.500	1.00	0.500	1	U
2-Chloroethyl vinyl ether	2.00	10.0	2.00	1	U
Chloroform	0.125	1.00	0.125	1	U
Chloromethane	0.250	1.00	0.250	1	U
2-Chlorotoluene	0.125	1.00	0.125	1	U
4-Chlorotoluene	0.250	1.00	0.250	1	U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1	U
1,2-Dibromoethane	0.250	1.00	0.250	1	U
Dibromomethane	0.250	1.00	0.250	1	U
1,2-Dichlorobenzene	0.125	1.00	0.125	1	U
1,3-Dichlorobenzene	0.250	1.00	0.250	1	U
1,4-Dichlorobenzene	0.125	1.00	0.125	1	U
Dichlorodifluoromethane	0.250	1.00	0.250	1	U
1,1-Dichloroethane	0.125	1.00	0.125	1	U
1,2-Dichloroethane	0.250	1.00	0.250	1	U
1,1-Dichloroethene	0.500	1.00	0.500	1	U
cis-1,2-Dichloroethene	0.250	1.00	0.250	1	U
trans-1,2-Dichloroethene	0.250	1.00	0.250	1	U
1,2-Dichloropropane	0.125	1.00	0.125	1	U
1,3-Dichloropropane	0.200	1.00	0.200	1	U
2,2-Dichloropropane	0.250	1.00	0.250	1	U
cis-1,3-Dichloropropene	0.250	1.00	0.250	1	U
trans-1,3-Dichloropropene	0.500	1.00	0.500	1	U
1,1-Dichloropropene	0.250	1.00	0.250	1	U
Ethylbenzene	0.250	1.00	0.250	1	U
2-Hexanone	2.50	10.0	2.50	1	U
Hexachlorobutadiene	0.250	1.00	0.409	1	J

KEMRON FORMS - Modified 05/17/2005
 Version 1.5 PDF File ID: 240325
 Report generated 05/24/2005 13:44

Login Number: L0505337 Run Date: 05/22/2005 Sample ID: WG189552-01
 Instrument ID: HPMS10 Run Time: 12:35 Prep Method: 5030B
 File ID: 10M38199 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG189552 Matrix: Water Units: ug/L
 Contract #: Cal ID: HPMS10 - 23-APR-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Isopropylbenzene	0.250	1.00	0.250	1	U
p-Isopropyltoluene	0.250	1.00	0.250	1	U
4-Methyl-2-pentanone	2.50	10.0	2.50	1	U
Methylene chloride	0.250	5.00	0.250	1	U
Naphthalene	0.200	1.00	0.200	1	U
n-Propylbenzene	0.125	1.00	0.125	1	U
Styrene	0.125	1.00	0.125	1	U
1,1,1,2-Tetrachloroethane	0.250	1.00	0.250	1	U
1,1,2,2-Tetrachloroethane	0.125	1.00	0.125	1	U
Tetrachloroethene	0.250	1.00	0.250	1	U
Toluene	0.250	1.00	0.250	1	U
1,2,3-Trichlorobenzene	0.125	1.00	0.161	1	J
1,2,4-Trichlorobenzene	0.200	1.00	0.200	1	U
1,1,1-Trichloroethane	0.250	1.00	0.250	1	U
1,1,2-Trichloroethane	0.250	1.00	0.250	1	U
Trichloroethene	0.250	1.00	0.250	1	U
Trichlorofluoromethane	0.250	1.00	0.250	1	U
1,2,3-Trichloropropane	0.750	1.00	0.750	1	U
1,2,4-Trimethylbenzene	0.250	1.00	0.250	1	U
1,3,5-Trimethylbenzene	0.250	1.00	0.250	1	U
Vinyl acetate	2.50	10.0	2.50	1	U
Vinyl chloride	0.250	1.00	0.250	1	U
o-Xylene	0.250	1.00	0.250	1	U
m-,p-Xylene	0.500	1.00	0.500	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	91.3	86 - 118	PASS
1,2-Dichloroethane-d4	83.8	80 - 120	PASS
Toluene-d8	91.7	88 - 110	PASS
4-Bromofluorobenzene	85.7	86 - 115	FAIL

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

ND Analyte Not detected at or above reporting limit

Login Number: L0505337 Run Date: 05/22/2005 Sample ID: WG189552-04
 Instrument ID: HPMS10 Run Time: 23:55 Prep Method: 5030B
 File ID: 10M38221 Analvst: MES Method: 8260B
 Workgroup (AAB#): WG189552 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS10 - 23-APR-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Acetone	2.50	10.0	2.50	1	U
Benzene	0.125	1.00	0.125	1	U
Bromobenzene	0.125	1.00	0.125	1	U
Bromochloromethane	0.200	1.00	0.200	1	U
Bromodichloromethane	0.250	1.00	0.250	1	U
Bromoform	0.540	1.00	0.540	1	U
Bromomethane	0.500	1.00	0.500	1	U
2-Butanone	2.50	10.0	2.50	1	U
n-Butylbenzene	0.250	1.00	0.250	1	U
sec-Butylbenzene	0.250	1.00	0.250	1	U
tert-Butylbenzene	0.250	1.00	0.250	1	U
Carbon disulfide	0.500	1.00	0.500	1	U
Carbon tetrachloride	0.250	1.00	0.250	1	U
Chlorobenzene	0.125	1.00	0.125	1	U
Chlorodibromomethane	0.250	1.00	0.250	1	U
Chloroethane	0.500	1.00	0.500	1	U
2-Chloroethyl vinyl ether	2.00	10.0	2.00	1	U
Chloroform	0.125	1.00	0.125	1	U
Chloromethane	0.250	1.00	0.250	1	U
2-Chlorotoluene	0.125	1.00	0.125	1	U
4-Chlorotoluene	0.250	1.00	0.250	1	U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1	U
1,2-Dibromoethane	0.250	1.00	0.250	1	U
Dibromomethane	0.250	1.00	0.250	1	U
1,2-Dichlorobenzene	0.125	1.00	0.125	1	U
1,3-Dichlorobenzene	0.250	1.00	0.250	1	U
1,4-Dichlorobenzene	0.125	1.00	0.125	1	U
Dichlorodifluoromethane	0.250	1.00	0.250	1	U
1,1-Dichloroethane	0.125	1.00	0.125	1	U
1,2-Dichloroethane	0.250	1.00	0.250	1	U
1,1-Dichloroethene	0.500	1.00	0.500	1	U
cis-1,2-Dichloroethene	0.250	1.00	0.250	1	U
trans-1,2-Dichloroethene	0.250	1.00	0.250	1	U
1,2-Dichloropropane	0.125	1.00	0.125	1	U
1,3-Dichloropropane	0.200	1.00	0.200	1	U
2,2-Dichloropropane	0.250	1.00	0.250	1	U
cis-1,3-Dichloropropene	0.250	1.00	0.250	1	U
trans-1,3-Dichloropropene	0.500	1.00	0.500	1	U
1,1-Dichloropropene	0.250	1.00	0.250	1	U
Ethylbenzene	0.250	1.00	0.250	1	U
2-Hexanone	2.50	10.0	2.50	1	U
Hexachlorobutadiene	0.250	1.00	0.250	1	U

KEMRON FORMS - Modified 05/17/2005
 Version 1.5 PDF File ID: 240325
 Report generated 05/24/2005 13:44

Login Number: L0505337 Run Date: 05/22/2005 Sample ID: WG189552-04
 Instrument ID: HPMS10 Run Time: 23:55 Prep Method: 5030B
 File ID: 10M38221 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG189552 Matrix: Water Units: ug/L
 Contract #: Cal ID: HPMS10 - 23-APR-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Isopropylbenzene	0.250	1.00	0.250	1	U
p-Isopropyltoluene	0.250	1.00	0.250	1	U
4-Methyl-2-pentanone	2.50	10.0	2.50	1	U
Methylene chloride	0.250	5.00	0.250	1	U
Naphthalene	0.200	1.00	0.200	1	U
n-Propylbenzene	0.125	1.00	0.125	1	U
Styrene	0.125	1.00	0.125	1	U
1,1,1,2-Tetrachloroethane	0.250	1.00	0.250	1	U
1,1,2,2-Tetrachloroethane	0.125	1.00	0.125	1	U
Tetrachloroethene	0.250	1.00	0.250	1	U
Toluene	0.250	1.00	0.250	1	U
1,2,3-Trichlorobenzene	0.125	1.00	0.125	1	U
1,2,4-Trichlorobenzene	0.200	1.00	0.200	1	U
1,1,1-Trichloroethane	0.250	1.00	0.250	1	U
1,1,2-Trichloroethane	0.250	1.00	0.250	1	U
Trichloroethene	0.250	1.00	0.250	1	U
Trichlorofluoromethane	0.250	1.00	0.250	1	U
1,2,3-Trichloropropane	0.750	1.00	0.750	1	U
1,2,4-Trimethylbenzene	0.250	1.00	0.250	1	U
1,3,5-Trimethylbenzene	0.250	1.00	0.250	1	U
Vinyl acetate	2.50	10.0	2.50	1	U
Vinyl chloride	0.250	1.00	0.250	1	U
o-Xylene	0.250	1.00	0.250	1	U
m-,p-Xylene	0.500	1.00	0.500	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	95.4	86 - 118	PASS
1,2-Dichloroethane-d4	93.7	80 - 120	PASS
Toluene-d8	92.6	88 - 110	PASS
4-Bromofluorobenzene	86.1	86 - 115	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

ND Analyte Not detected at or above reporting limit

Login Number: L0505337 Run Date: 05/19/2005 Sample ID: WG189416-02
 Instrument ID: HPMS11 Run Time: 16:46 Prep Method: 5030B
 File ID: 11M27025 Analyst: CMS Method: 8260B
 Workgroup (AAB#): WG189416 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS11-19-MAY-2005

Analytes	Expected	Found	% Rec	LCS Limits	Q
Acetone	20.0	17.6	88.0	40 - 142	
Benzene	20.0	20.4	102	80 - 121	
Bromobenzene	20.0	20.8	104	80 - 120	
Bromochloromethane	20.0	21.4	107	80 - 124	
Bromodichloromethane	20.0	23.2	116	80 - 131	
Bromoform	20.0	17.8	88.9	74 - 130	
Bromomethane	20.0	19.5	97.3	61 - 151	
2-Butanone	20.0	18.3	91.6	58 - 149	
n-Butylbenzene	20.0	20.9	105	80 - 131	
sec-Butylbenzene	20.0	21.1	105	80 - 127	
tert-Butylbenzene	20.0	20.7	104	80 - 126	
Carbon disulfide	20.0	19.8	99.1	58 - 138	
Carbon tetrachloride	20.0	18.5	92.7	80 - 137	
Chlorobenzene	20.0	21.2	106	80 - 120	
Chlorodibromomethane	20.0	19.2	96.0	80 - 127	
Chloroethane	20.0	20.0	100	77 - 133	
2-Chloroethyl vinyl ether	20.0	21.7	108	10 - 211	
Chloroform	20.0	21.3	106	80 - 125	
Chloromethane	20.0	19.3	96.7	60 - 130	
2-Chlorotoluene	20.0	20.8	104	80 - 127	
4-Chlorotoluene	20.0	22.0	110	80 - 126	
1,2-Dibromo-3-chloropropane	20.0	19.7	98.7	65 - 129	
1,2-Dibromoethane	20.0	21.3	107	80 - 125	
Dibromomethane	20.0	20.5	103	80 - 126	
1,2-Dichlorobenzene	20.0	20.6	103	80 - 125	
1,3-Dichlorobenzene	20.0	20.3	101	80 - 120	
1,4-Dichlorobenzene	20.0	20.4	102	80 - 120	
Dichlorodifluoromethane	20.0	27.9	140	50 - 133	*
1,1-Dichloroethane	20.0	20.2	101	80 - 125	
1,2-Dichloroethane	20.0	20.7	103	80 - 129	
1,1-Dichloroethene	20.0	19.9	99.3	80 - 132	
cis-1,2-Dichloroethene	20.0	20.6	103	80 - 121	
trans-1,2-Dichloroethene	20.0	20.3	101	80 - 127	
1,2-Dichloropropane	20.0	20.4	102	80 - 120	
1,3-Dichloropropane	20.0	20.6	103	80 - 120	
2,2-Dichloropropane	20.0	20.9	105	80 - 133	
cis-1,3-Dichloropropene	20.0	22.2	111	80 - 132	
trans-1,3-Dichloropropene	20.0	22.1	110	80 - 130	
1,1-Dichloropropene	20.0	21.1	105	74 - 139	
Ethylbenzene	20.0	20.8	104	80 - 122	
2-Hexanone	20.0	17.8	89.2	56 - 136	

Login Number: L0505337 Run Date: 05/19/2005 Sample ID: WG189416-02
 Instrument ID: HPMS11 Run Time: 16:46 Prep Method: 5030B
 File ID: 11M27025 Analyst: CMS Method: 8260B
 Workgroup (AAB#): WG189416 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS11 - 19-MAY-2005

Analytes	Expected	Found	% Rec	LCS Limits	Q
Hexachlorobutadiene	20.0	20.3	102	72 - 132	
Isopropylbenzene	20.0	19.6	98.0	80 - 122	
p-Isopropyltoluene	20.0	20.5	102	80 - 122	
4-Methyl-2-pentanone	20.0	19.1	95.7	64 - 140	
Methylene chloride	20.0	19.9	99.5	80 - 123	
Naphthalene	20.0	21.3	107	59 - 149	
n-Propylbenzene	20.0	20.8	104	80 - 129	
Styrene	20.0	21.7	108	80 - 123	
1,1,1,2-Tetrachloroethane	20.0	22.2	111	80 - 130	
1,1,2,2-Tetrachloroethane	20.0	20.5	102	79 - 125	
Tetrachloroethene	20.0	20.6	103	80 - 124	
Toluene	20.0	20.7	103	80 - 124	
1,2,3-Trichlorobenzene	20.0	20.8	104	62 - 140	
1,2,4-Trichlorobenzene	20.0	20.9	104	77 - 131	
1,1,1-Trichloroethane	20.0	20.8	104	80 - 134	
1,1,2-Trichloroethane	20.0	20.7	103	80 - 125	
Trichloroethene	20.0	20.8	104	80 - 122	
Trichlorofluoromethane	20.0	20.0	99.9	62 - 151	
1,2,3-Trichloropropane	20.0	20.7	104	80 - 126	
1,2,4-Trimethylbenzene	20.0	20.7	104	80 - 125	
1,3,5-Trimethylbenzene	20.0	20.9	105	80 - 127	
Vinyl acetate	20.0	19.7	98.4	10 - 285	
Vinyl chloride	20.0	20.3	102	65 - 140	
o-Xylene	20.0	21.3	106	80 - 122	
m-, p-Xylene	40.0	42.4	106	80 - 122	

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	98.3	86 - 118	PASS
1,2-Dichloroethane-d4	94.0	80 - 120	PASS
Toluene-d8	101	88 - 110	PASS
4-Bromofluorobenzene	98.2	86 - 115	PASS

* FAILS %REC LIMIT

Login Number: L0505337 Run Date: 05/20/2005 Sample ID: WG189437-02
 Instrument ID: HPMS11 Run Time: 08:53 Prep Method: 5030B
 File ID: 11M27051 Analyst: CMS Method: 8260B
 Workgroup (AAB#): WG189437 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS11-19-MAY-2005

Analytes	Expected	Found	% Rec	LCS Limits		Q
Acetone	20.0	28.4	142	40	- 142	
Benzene	20.0	21.4	107	80	- 121	
Bromobenzene	20.0	21.4	107	80	- 120	
Bromochloromethane	20.0	22.4	112	80	- 124	
Bromodichloromethane	20.0	25.1	125	80	- 131	
Bromoform	20.0	19.7	98.5	74	- 130	
Bromomethane	20.0	17.0	85.2	61	- 151	
2-Butanone	20.0	26.0	130	58	- 149	
n-Butylbenzene	20.0	21.1	105	80	- 131	
sec-Butylbenzene	20.0	21.3	106	80	- 127	
tert-Butylbenzene	20.0	21.3	106	80	- 126	
Carbon disulfide	20.0	20.9	105	58	- 138	
Carbon tetrachloride	20.0	20.5	102	80	- 137	
Chlorobenzene	20.0	22.1	110	80	- 120	
Chlorodibromomethane	20.0	20.3	101	80	- 127	
Chloroethane	20.0	21.0	105	77	- 133	
2-Chloroethyl vinyl ether	20.0	22.1	110	10	- 211	
Chloroform	20.0	22.5	113	80	- 125	
Chloromethane	20.0	20.8	104	60	- 130	
2-Chlorotoluene	20.0	20.7	104	80	- 127	
4-Chlorotoluene	20.0	20.1	100	80	- 126	
1,2-Dibromo-3-chloropropane	20.0	21.3	106	65	- 129	
1,2-Dibromoethane	20.0	21.8	109	80	- 125	
Dibromomethane	20.0	21.5	107	80	- 126	
1,2-Dichlorobenzene	20.0	20.9	104	80	- 125	
1,3-Dichlorobenzene	20.0	20.6	103	80	- 120	
1,4-Dichlorobenzene	20.0	20.8	104	80	- 120	
Dichlorodifluoromethane	20.0	30.2	151	50	- 133	*
1,1-Dichloroethane	20.0	21.5	108	80	- 125	
1,2-Dichloroethane	20.0	22.3	111	80	- 129	
1,1-Dichloroethene	20.0	21.0	105	80	- 132	
cis-1,2-Dichloroethene	20.0	21.3	107	80	- 121	
trans-1,2-Dichloroethene	20.0	21.7	108	80	- 127	
1,2-Dichloropropane	20.0	21.3	107	80	- 120	
1,3-Dichloropropane	20.0	21.1	106	80	- 120	
2,2-Dichloropropane	20.0	22.7	113	80	- 133	
cis-1,3-Dichloropropene	20.0	23.4	117	80	- 132	
trans-1,3-Dichloropropene	20.0	23.2	116	80	- 130	
1,1-Dichloropropene	20.0	22.2	111	74	- 139	
Ethylbenzene	20.0	22.2	111	80	- 122	
2-Hexanone	20.0	21.5	107	56	- 136	

Login Number: L0505337 Run Date: 05/20/2005 Sample ID: WG189437-02
 Instrument ID: HPMS11 Run Time: 08:53 Prep Method: 5030B
 File ID: 11M27051 Analyst: CMS Method: 8260B
 Workgroup (AAB#): WG189437 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS11-19-MAY-2005

Analytes	Expected	Found	% Rec	LCS Limits	Q
Hexachlorobutadiene	20.0	20.4	102	72 - 132	
Isopropylbenzene	20.0	20.2	101	80 - 122	
p-Isopropyltoluene	20.0	20.6	103	80 - 122	
4-Methyl-2-pentanone	20.0	21.5	107	64 - 140	
Methylene chloride	20.0	20.7	104	80 - 123	
Naphthalene	20.0	20.2	101	59 - 149	
n-Propylbenzene	20.0	21.0	105	80 - 129	
Styrene	20.0	22.3	111	80 - 123	
1,1,1,2-Tetrachloroethane	20.0	23.9	120	80 - 130	
1,1,2,2-Tetrachloroethane	20.0	21.4	107	79 - 125	
Tetrachloroethene	20.0	21.7	109	80 - 124	
Toluene	20.0	21.5	107	80 - 124	
1,2,3-Trichlorobenzene	20.0	20.2	101	62 - 140	
1,2,4-Trichlorobenzene	20.0	20.5	103	77 - 131	
1,1,1-Trichloroethane	20.0	22.3	112	80 - 134	
1,1,2-Trichloroethane	20.0	21.6	108	80 - 125	
Trichloroethene	20.0	22.1	110	80 - 122	
Trichlorofluoromethane	20.0	21.4	107	62 - 151	
1,2,3-Trichloropropane	20.0	20.9	104	80 - 126	
1,2,4-Trimethylbenzene	20.0	20.9	105	80 - 125	
1,3,5-Trimethylbenzene	20.0	21.3	106	80 - 127	
Vinyl acetate	20.0	21.2	106	10 - 285	
Vinyl chloride	20.0	23.8	119	65 - 140	
o-Xylene	20.0	21.8	109	80 - 122	
m-, p-Xylene	40.0	44.3	111	80 - 122	

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	101	86 - 118	PASS
1,2-Dichloroethane-d4	98.3	80 - 120	PASS
Toluene-d8	102	88 - 110	PASS
4-Bromofluorobenzene	96.3	86 - 115	PASS

* FAILS %REC LIMIT

Login Number: L0505337 Run Date: 05/21/2005 Sample ID: WG189539-02
 Instrument ID: HPMS10 Run Time: 11:56 Prep Method: 5030B
 File ID: 10M38164 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG189539 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS10 - 23-APR-2005

Analytes	Expected	Found	% Rec	LCS Limits	Q
Acetone	20.0	15.7	78.7	40 - 142	
Benzene	20.0	20.1	101	80 - 121	
Bromobenzene	20.0	19.6	98.2	80 - 120	
Bromochloromethane	20.0	21.3	106	80 - 124	
Bromodichloromethane	20.0	22.8	114	80 - 131	
Bromoform	20.0	20.9	104	74 - 130	
Bromomethane	20.0	21.9	109	61 - 151	
2-Butanone	20.0	17.0	85.0	58 - 149	
n-Butylbenzene	20.0	18.4	92.2	80 - 131	
sec-Butylbenzene	20.0	19.2	95.8	80 - 127	
tert-Butylbenzene	20.0	19.3	96.3	80 - 126	
Carbon disulfide	20.0	20.2	101	58 - 138	
Carbon tetrachloride	20.0	22.9	115	80 - 137	
Chlorobenzene	20.0	20.8	104	80 - 120	
Chlorodibromomethane	20.0	21.2	106	80 - 127	
Chloroethane	20.0	20.1	101	77 - 133	
2-Chloroethyl vinyl ether	20.0	23.0	115	10 - 211	
Chloroform	20.0	21.4	107	80 - 125	
Chloromethane	20.0	19.8	99.0	60 - 130	
2-Chlorotoluene	20.0	19.4	96.9	80 - 127	
4-Chlorotoluene	20.0	19.7	98.4	80 - 126	
1,2-Dibromo-3-chloropropane	20.0	16.8	84.0	65 - 129	
1,2-Dibromoethane	20.0	21.0	105	80 - 125	
Dibromomethane	20.0	20.8	104	80 - 126	
1,2-Dichlorobenzene	20.0	19.3	96.3	80 - 125	
1,3-Dichlorobenzene	20.0	19.8	98.9	80 - 120	
1,4-Dichlorobenzene	20.0	19.1	95.7	80 - 120	
Dichlorodifluoromethane	20.0	23.6	118	50 - 133	
1,1-Dichloroethane	20.0	19.9	99.5	80 - 125	
1,2-Dichloroethane	20.0	20.9	105	80 - 129	
1,1-Dichloroethene	20.0	19.9	99.7	80 - 132	
cis-1,2-Dichloroethene	20.0	20.5	103	80 - 121	
trans-1,2-Dichloroethene	20.0	21.0	105	80 - 127	
1,2-Dichloropropane	20.0	19.6	98.1	80 - 120	
1,3-Dichloropropane	20.0	19.6	98.1	80 - 120	
2,2-Dichloropropane	20.0	23.7	118	80 - 133	
cis-1,3-Dichloropropene	20.0	21.7	108	80 - 132	
trans-1,3-Dichloropropene	20.0	23.1	115	80 - 130	
1,1-Dichloropropene	20.0	20.5	103	74 - 139	
Ethylbenzene	20.0	20.6	103	80 - 122	
2-Hexanone	20.0	16.2	81.0	56 - 136	

Login Number: L0505337 Run Date: 05/21/2005 Sample ID: WG189539-02
 Instrument ID: HPMS10 Run Time: 11:56 Prep Method: 5030B
 File ID: 10M38164 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG189539 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS10 - 23-APR-2005

Analytes	Expected	Found	% Rec	LCS Limits	Q
Hexachlorobutadiene	20.0	16.1	80.5	72 - 132	
Isopropylbenzene	20.0	22.0	110	80 - 122	
p-Isopropyltoluene	20.0	19.5	97.4	80 - 122	
4-Methyl-2-pentanone	20.0	17.5	87.5	64 - 140	
Methylene chloride	20.0	19.5	97.6	80 - 123	
Naphthalene	20.0	19.6	98.1	59 - 149	
n-Propylbenzene	20.0	19.1	95.3	80 - 129	
Styrene	20.0	20.6	103	80 - 123	
1,1,1,2-Tetrachloroethane	20.0	24.9	124	80 - 130	
1,1,2,2-Tetrachloroethane	20.0	17.7	88.4	79 - 125	
Tetrachloroethene	20.0	21.8	109	80 - 124	
Toluene	20.0	20.4	102	80 - 124	
1,2,3-Trichlorobenzene	20.0	20.3	102	62 - 140	
1,2,4-Trichlorobenzene	20.0	19.4	97.1	77 - 131	
1,1,1-Trichloroethane	20.0	23.9	120	80 - 134	
1,1,2-Trichloroethane	20.0	19.3	96.7	80 - 125	
Trichloroethene	20.0	21.5	107	80 - 122	
Trichlorofluoromethane	20.0	23.6	118	62 - 151	
1,2,3-Trichloropropane	20.0	19.6	98.2	80 - 126	
1,2,4-Trimethylbenzene	20.0	19.2	95.8	80 - 125	
1,3,5-Trimethylbenzene	20.0	19.8	99.0	80 - 127	
Vinyl acetate	20.0	18.3	91.7	10 - 285	
Vinyl chloride	20.0	23.6	118	65 - 140	
o-Xylene	20.0	21.1	105	80 - 122	
m-, p-Xylene	40.0	41.2	103	80 - 122	

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	103	86 - 118	PASS
1,2-Dichloroethane-d4	95.2	80 - 120	PASS
Toluene-d8	93.1	88 - 110	PASS
4-Bromofluorobenzene	84.6	86 - 115	FAIL

* FAILS %REC LIMIT

Login Number: L0505337 Run Date: 05/21/2005 Sample ID: WG189541-02
 Instrument ID: HPMS11 Run Time: 11:29 Prep Method: 5030B
 File ID: 11M27077 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG189541 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS11-19-MAY-2005

Analytes	Expected	Found	% Rec	LCS Limits			Q
Acetone	20.0	25.2	126	40	-	142	
Benzene	20.0	21.5	108	80	-	121	
Bromobenzene	20.0	21.4	107	80	-	120	
Bromochloromethane	20.0	21.4	107	80	-	124	
Bromodichloromethane	20.0	26.8	134	80	-	131	*
Bromoform	20.0	22.5	113	74	-	130	
Bromomethane	20.0	17.5	87.4	61	-	151	
2-Butanone	20.0	25.3	127	58	-	149	
n-Butylbenzene	20.0	22.9	115	80	-	131	
sec-Butylbenzene	20.0	23.3	117	80	-	127	
tert-Butylbenzene	20.0	21.7	108	80	-	126	
Carbon disulfide	20.0	20.9	104	58	-	138	
Carbon tetrachloride	20.0	22.3	111	80	-	137	
Chlorobenzene	20.0	22.0	110	80	-	120	
Chlorodibromomethane	20.0	22.8	114	80	-	127	
Chloroethane	20.0	20.9	105	77	-	133	
2-Chloroethyl vinyl ether	20.0	23.0	115	10	-	211	
Chloroform	20.0	22.7	114	80	-	125	
Chloromethane	20.0	20.6	103	60	-	130	
2-Chlorotoluene	20.0	23.3	117	80	-	127	
4-Chlorotoluene	20.0	24.0	120	80	-	126	
1,2-Dibromo-3-chloropropane	20.0	26.1	131	65	-	129	*
1,2-Dibromoethane	20.0	23.1	115	80	-	125	
Dibromomethane	20.0	21.7	108	80	-	126	
1,2-Dichlorobenzene	20.0	21.1	106	80	-	125	
1,3-Dichlorobenzene	20.0	21.0	105	80	-	120	
1,4-Dichlorobenzene	20.0	21.1	105	80	-	120	
Dichlorodifluoromethane	20.0	28.0	140	50	-	133	*
1,1-Dichloroethane	20.0	21.3	107	80	-	125	
1,2-Dichloroethane	20.0	21.6	108	80	-	129	
1,1-Dichloroethene	20.0	21.3	106	80	-	132	
cis-1,2-Dichloroethene	20.0	21.5	107	80	-	121	
trans-1,2-Dichloroethene	20.0	21.6	108	80	-	127	
1,2-Dichloropropane	20.0	21.6	108	80	-	120	
1,3-Dichloropropane	20.0	22.2	111	80	-	120	
2,2-Dichloropropane	20.0	23.3	117	80	-	133	
cis-1,3-Dichloropropene	20.0	24.3	121	80	-	132	
trans-1,3-Dichloropropene	20.0	25.2	126	80	-	130	
1,1-Dichloropropene	20.0	22.6	113	74	-	139	
Ethylbenzene	20.0	22.0	110	80	-	122	
2-Hexanone	20.0	22.5	113	56	-	136	

Login Number: L0505337 Run Date: 05/21/2005 Sample ID: WG189541-02
 Instrument ID: HPMS11 Run Time: 11:29 Prep Method: 5030B
 File ID: 11M27077 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG189541 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS11-19-MAY-2005

Analytes	Expected	Found	% Rec	LCS Limits	Q
Hexachlorobutadiene	20.0	20.4	102	72 - 132	
Isopropylbenzene	20.0	21.0	105	80 - 122	
p-Isopropyltoluene	20.0	22.2	111	80 - 122	
4-Methyl-2-pentanone	20.0	22.6	113	64 - 140	
Methylene chloride	20.0	40.2	201	80 - 123	*
Naphthalene	20.0	21.6	108	59 - 149	
n-Propylbenzene	20.0	23.4	117	80 - 129	
Styrene	20.0	22.8	114	80 - 123	
1,1,1,2-Tetrachloroethane	20.0	25.0	125	80 - 130	
1,1,2,2-Tetrachloroethane	20.0	23.4	117	79 - 125	
Tetrachloroethene	20.0	20.7	103	80 - 124	
Toluene	20.0	22.1	111	80 - 124	
1,2,3-Trichlorobenzene	20.0	19.9	99.3	62 - 140	
1,2,4-Trichlorobenzene	20.0	20.4	102	77 - 131	
1,1,1-Trichloroethane	20.0	23.3	117	80 - 134	
1,1,2-Trichloroethane	20.0	22.9	115	80 - 125	
Trichloroethene	20.0	21.6	108	80 - 122	
Trichlorofluoromethane	20.0	21.9	109	62 - 151	
1,2,3-Trichloropropane	20.0	24.2	121	80 - 126	
1,2,4-Trimethylbenzene	20.0	22.9	114	80 - 125	
1,3,5-Trimethylbenzene	20.0	23.3	116	80 - 127	
Vinyl acetate	20.0	19.7	98.5	10 - 285	
Vinyl chloride	20.0	22.5	113	65 - 140	
o-Xylene	20.0	22.4	112	80 - 122	
m-,p-Xylene	40.0	44.7	112	80 - 122	

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	100	86 - 118	PASS
1,2-Dichloroethane-d4	97.5	80 - 120	PASS
Toluene-d8	104	88 - 110	PASS
4-Bromofluorobenzene	104	86 - 115	PASS

* FAILS %REC LIMIT

Login Number: L0505337 Run Date: 05/22/2005 Sample ID: WG189552-02
 Instrument ID: HPMS10 Run Time: 13:06 Prep Method: 5030B
 File ID: 10M38200 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG189552 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS10 - 23-APR-2005

Analytes	Expected	Found	% Rec	LCS Limits	Q
Acetone	20.0	15.3	76.3	40 - 142	
Benzene	20.0	20.5	103	80 - 121	
Bromobenzene	20.0	20.3	101	80 - 120	
Bromochloromethane	20.0	20.7	104	80 - 124	
Bromodichloromethane	20.0	20.5	103	80 - 131	
Bromoform	20.0	18.7	93.3	74 - 130	
Bromomethane	20.0	20.9	105	61 - 151	
2-Butanone	20.0	16.0	79.8	58 - 149	
n-Butylbenzene	20.0	19.1	95.3	80 - 131	
sec-Butylbenzene	20.0	19.7	98.5	80 - 127	
tert-Butylbenzene	20.0	20.6	103	80 - 126	
Carbon disulfide	20.0	20.8	104	58 - 138	
Carbon tetrachloride	20.0	20.5	103	80 - 137	
Chlorobenzene	20.0	20.5	103	80 - 120	
Chlorodibromomethane	20.0	19.4	96.9	80 - 127	
Chloroethane	20.0	20.6	103	77 - 133	
2-Chloroethyl vinyl ether	20.0	21.4	107	10 - 211	
Chloroform	20.0	20.1	101	80 - 125	
Chloromethane	20.0	19.0	94.9	60 - 130	
2-Chlorotoluene	20.0	18.9	94.3	80 - 127	
4-Chlorotoluene	20.0	19.5	97.4	80 - 126	
1,2-Dibromo-3-chloropropane	20.0	17.2	86.2	65 - 129	
1,2-Dibromoethane	20.0	20.0	100	80 - 125	
Dibromomethane	20.0	19.4	97.0	80 - 126	
1,2-Dichlorobenzene	20.0	19.6	98.0	80 - 125	
1,3-Dichlorobenzene	20.0	20.0	99.9	80 - 120	
1,4-Dichlorobenzene	20.0	19.3	96.6	80 - 120	
Dichlorodifluoromethane	20.0	21.2	106	50 - 133	
1,1-Dichloroethane	20.0	19.4	97.1	80 - 125	
1,2-Dichloroethane	20.0	18.4	91.9	80 - 129	
1,1-Dichloroethene	20.0	20.5	103	80 - 132	
cis-1,2-Dichloroethene	20.0	20.8	104	80 - 121	
trans-1,2-Dichloroethene	20.0	21.3	106	80 - 127	
1,2-Dichloropropane	20.0	19.8	98.9	80 - 120	
1,3-Dichloropropane	20.0	18.6	93.0	80 - 120	
2,2-Dichloropropane	20.0	22.2	111	80 - 133	
cis-1,3-Dichloropropene	20.0	20.6	103	80 - 132	
trans-1,3-Dichloropropene	20.0	21.5	107	80 - 130	
1,1-Dichloropropene	20.0	20.1	100	74 - 139	
Ethylbenzene	20.0	20.9	105	80 - 122	
2-Hexanone	20.0	14.9	74.5	56 - 136	

Login Number: L0505337 Run Date: 05/22/2005 Sample ID: WG189552-02
 Instrument ID: HPMS10 Run Time: 13:06 Prep Method: 5030B
 File ID: 10M38200 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG189552 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS10 - 23-APR-2005

Analytes	Expected	Found	% Rec	LCS Limits	Q
Hexachlorobutadiene	20.0	16.3	81.5	72 - 132	
Isopropylbenzene	20.0	21.9	109	80 - 122	
p-Isopropyltoluene	20.0	20.2	101	80 - 122	
4-Methyl-2-pentanone	20.0	17.1	85.4	64 - 140	
Methylene chloride	20.0	19.4	96.8	80 - 123	
Naphthalene	20.0	19.7	98.7	59 - 149	
n-Propylbenzene	20.0	19.8	98.9	80 - 129	
Styrene	20.0	20.9	104	80 - 123	
1,1,1,2-Tetrachloroethane	20.0	22.3	112	80 - 130	
1,1,2,2-Tetrachloroethane	20.0	17.9	89.3	79 - 125	
Tetrachloroethene	20.0	21.7	108	80 - 124	
Toluene	20.0	20.7	103	80 - 124	
1,2,3-Trichlorobenzene	20.0	20.1	100	62 - 140	
1,2,4-Trichlorobenzene	20.0	19.5	97.7	77 - 131	
1,1,1-Trichloroethane	20.0	21.6	108	80 - 134	
1,1,2-Trichloroethane	20.0	19.0	95.2	80 - 125	
Trichloroethene	20.0	20.9	104	80 - 122	
Trichlorofluoromethane	20.0	21.0	105	62 - 151	
1,2,3-Trichloropropane	20.0	18.7	93.7	80 - 126	
1,2,4-Trimethylbenzene	20.0	19.7	98.5	80 - 125	
1,3,5-Trimethylbenzene	20.0	20.3	102	80 - 127	
Vinyl acetate	20.0	17.6	87.9	10 - 285	
Vinyl chloride	20.0	21.2	106	65 - 140	
o-Xylene	20.0	21.4	107	80 - 122	
m-, p-Xylene	40.0	41.8	104	80 - 122	

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	93.9	86 - 118	PASS
1,2-Dichloroethane-d4	82.7	80 - 120	PASS
Toluene-d8	92.4	88 - 110	PASS
4-Bromofluorobenzene	85.9	86 - 115	FAIL

* FAILS %REC LIMIT

KEMRON Environmental Services
LABORATORY CONTROL SAMPLES

00094135

Login Number: L0505337 Analyst: CMS Prep Method: 5030B
Instrument ID: HPMS11 Matrix: Water Method: 8260B
Workgroup (AAB#): WG189416 Units: ug/L
Sample ID: WG189416-02 LCS File ID: 11M27025 Run Date: 05/19/2005 16:46
Sample ID: WG189416-03 LCS2 File ID: 11M27026 Run Date: 05/19/2005 17:16

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Acetone	20.0	17.6	88.0	20.0	19.8	99.0	11.8	40 - 142	63	
Benzene	20.0	20.4	102	20.0	21.4	107	4.69	80 - 121	21	
Bromobenzene	20.0	20.8	104	20.0	21.4	107	2.60	80 - 120	18	
Bromochloromethane	20.0	21.4	107	20.0	21.7	108	1.24	80 - 124	20	
Bromodichloromethane	20.0	23.2	116	20.0	24.2	121	4.36	80 - 131	25	
Bromoform	20.0	17.8	88.9	20.0	17.8	89.1	0.221	74 - 130	35	
Bromomethane	20.0	19.5	97.3	20.0	20.3	101	4.16	61 - 151	56	
2-Butanone	20.0	18.3	91.6	20.0	18.6	92.8	1.29	58 - 149	56	
n-Butylbenzene	20.0	20.9	105	20.0	22.0	110	5.04	80 - 131	29	
sec-Butylbenzene	20.0	21.1	105	20.0	22.3	112	5.83	80 - 127	28	
tert-Butylbenzene	20.0	20.7	104	20.0	21.9	109	5.44	80 - 126	27	
Carbon disulfide	20.0	19.8	99.1	20.0	21.3	106	7.05	58 - 138	49	
Carbon tetrachloride	20.0	18.5	92.7	20.0	20.0	100	7.64	80 - 137	32	
Chlorobenzene	20.0	21.2	106	20.0	22.0	110	3.76	80 - 120	16	
Chlorodibromomethane	20.0	19.2	96.0	20.0	19.4	96.9	0.977	80 - 127	26	
Chloroethane	20.0	20.0	100	20.0	21.2	106	5.56	77 - 133	34	
2-Chloroethyl vinyl ether	20.0	21.7	108	20.0	21.2	106	1.98	10 - 211	125	
Chloroform	20.0	21.3	106	20.0	22.1	110	3.63	80 - 125	23	
Chloromethane	20.0	19.3	96.7	20.0	21.1	106	8.70	60 - 130	43	
2-Chlorotoluene	20.0	20.8	104	20.0	21.4	107	2.82	80 - 127	28	
4-Chlorotoluene	20.0	22.0	110	20.0	23.0	115	4.46	80 - 126	26	
1,2-Dibromo-3-chloropropane	20.0	19.7	98.7	20.0	19.3	96.6	2.13	65 - 129	39	
1,2-Dibromoethane	20.0	21.3	107	20.0	21.1	105	1.29	80 - 125	20	
Dibromomethane	20.0	20.5	103	20.0	20.6	103	0.576	80 - 126	24	
1,2-Dichlorobenzene	20.0	20.6	103	20.0	21.1	105	2.55	80 - 125	15	
1,3-Dichlorobenzene	20.0	20.3	101	20.0	21.1	105	3.83	80 - 120	16	
1,4-Dichlorobenzene	20.0	20.4	102	20.0	20.9	105	2.55	80 - 120	15	
Dichlorodifluoromethane	20.0	27.9	140	20.0	29.9	150	6.79	50 - 133	51	*
1,1-Dichloroethane	20.0	20.2	101	20.0	21.3	106	5.18	80 - 125	21	
1,2-Dichloroethane	20.0	20.7	103	20.0	20.8	104	0.613	80 - 129	29	
1,1-Dichloroethene	20.0	19.9	99.3	20.0	21.4	107	7.46	80 - 132	26	
cis-1,2-Dichloroethene	20.0	20.6	103	20.0	21.7	109	5.19	80 - 121	19	
trans-1,2-Dichloroethene	20.0	20.3	101	20.0	22.1	110	8.43	80 - 127	24	
1,2-Dichloropropane	20.0	20.4	102	20.0	21.1	105	3.16	80 - 120	20	
1,3-Dichloropropane	20.0	20.6	103	20.0	20.7	104	0.470	80 - 120	20	
2,2-Dichloropropane	20.0	20.9	105	20.0	22.0	110	4.98	80 - 133	29	
cis-1,3-Dichloropropene	20.0	22.2	111	20.0	22.8	114	2.64	80 - 132	26	
trans-1,3-Dichloropropene	20.0	22.1	110	20.0	22.3	111	0.968	80 - 130	25	
1,1-Dichloropropene	20.0	21.1	105	20.0	22.4	112	6.09	74 - 139	40	
Ethylbenzene	20.0	20.8	104	20.0	22.2	111	6.46	80 - 122	20	
2-Hexanone	20.0	17.8	89.2	20.0	17.6	87.9	1.46	56 - 136	49	
Hexachlorobutadiene	20.0	20.3	102	20.0	21.6	108	6.22	72 - 132	36	

KEMRON FORMS - Modified 01/03/2005
Version 1.5 PDF File ID: 240326
Report generated 05/24/2005 13:44

Login Number: L0505337 Analyst: CMS Prep Method: 5030B
 Instrument ID: HPMS11 Matrix: Water Method: 8260B
 Workgroup (AAB#): WG189416 Units: ug/L
 Sample ID: WG189416-02 LCS File ID: 11M27025 Run Date: 05/19/2005 16:46
 Sample ID: WG189416-03 LCS2 File ID: 11M27026 Run Date: 05/19/2005 17:16

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Isopropylbenzene	20.0	19.6	98.0	20.0	20.8	104	5.93	80 - 122	24	
p-Isopropyltoluene	20.0	20.5	102	20.0	21.3	107	4.25	80 - 122	24	
4-Methyl-2-pentanone	20.0	19.1	95.7	20.0	19.3	96.3	0.621	64 - 140	47	
Methylene chloride	20.0	19.9	99.5	20.0	20.6	103	3.43	80 - 123	22	
Naphthalene	20.0	21.3	107	20.0	21.0	105	1.79	59 - 149	55	
n-Propylbenzene	20.0	20.8	104	20.0	21.8	109	4.55	80 - 129	27	
Styrene	20.0	21.7	108	20.0	22.6	113	4.43	80 - 123	20	
1,1,1,2-Tetrachloroethane	20.0	22.2	111	20.0	23.0	115	3.79	80 - 130	25	
1,1,2,2-Tetrachloroethane	20.0	20.5	102	20.0	20.2	101	1.17	79 - 125	28	
Tetrachloroethene	20.0	20.6	103	20.0	22.2	111	7.38	80 - 124	22	
Toluene	20.0	20.7	103	20.0	21.7	109	4.98	80 - 124	22	
1,2,3-Trichlorobenzene	20.0	20.8	104	20.0	20.9	104	0.552	62 - 140	48	
1,2,4-Trichlorobenzene	20.0	20.9	104	20.0	21.1	106	1.10	77 - 131	33	
1,1,1-Trichloroethane	20.0	20.8	104	20.0	22.3	111	6.74	80 - 134	28	
1,1,2-Trichloroethane	20.0	20.7	103	20.0	21.2	106	2.28	80 - 125	20	
Trichloroethene	20.0	20.8	104	20.0	22.5	113	7.73	80 - 122	21	
Trichlorofluoromethane	20.0	20.0	99.9	20.0	21.4	107	6.91	62 - 151	55	
1,2,3-Trichloropropane	20.0	20.7	104	20.0	20.2	101	2.92	80 - 126	25	
1,2,4-Trimethylbenzene	20.0	20.7	104	20.0	21.8	109	5.01	80 - 125	26	
1,3,5-Trimethylbenzene	20.0	20.9	105	20.0	22.1	111	5.48	80 - 127	25	
Vinyl acetate	20.0	19.7	98.4	20.0	18.6	93.1	5.58	10 - 285	201	
Vinyl chloride	20.0	20.3	102	20.0	21.8	109	6.84	65 - 140	46	
o-Xylene	20.0	21.3	106	20.0	22.4	112	5.03	80 - 122	18	
m-, p-Xylene	40.0	42.4	106	40.0	44.5	111	4.80	80 - 122	21	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
Dibromofluoromethane	98.3	99.3	86 - 118	PASS
1,2-Dichloroethane-d4	94.0	93.3	80 - 120	PASS
Toluene-d8	101	102	88 - 110	PASS
4-Bromofluorobenzene	98.2	97.4	86 - 115	PASS

* FAILS %REC LIMIT

FAILS RPD LIMIT

Login Number: L0505337 Analyst: MES Prep Method: 5030B
 Instrument ID: HPMS10 Matrix: Water Method: 8260B
 Workgroup (AAB#): WG189539 Units: ug/L
 Sample ID: WG189539-02 LCS File ID: 10M38164 Run Date: 05/21/2005 11:56
 Sample ID: WG189539-03 LCS2 File ID: 10M38165 Run Date: 05/21/2005 12:27

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Acetone	20.0	15.7	78.7	20.0	16.8	83.9	6.47	40 - 142	63	
Benzene	20.0	20.1	101	20.0	20.4	102	1.31	80 - 121	21	
Bromobenzene	20.0	19.6	98.2	20.0	20.3	101	3.23	80 - 120	18	
Bromochloromethane	20.0	21.3	106	20.0	21.6	108	1.27	80 - 124	20	
Bromodichloromethane	20.0	22.8	114	20.0	22.5	112	1.25	80 - 131	25	
Bromoform	20.0	20.9	104	20.0	20.8	104	0.343	74 - 130	35	
Bromomethane	20.0	21.9	109	20.0	21.1	106	3.46	61 - 151	56	
2-Butanone	20.0	17.0	85.0	20.0	17.4	87.1	2.44	58 - 149	56	
n-Butylbenzene	20.0	18.4	92.2	20.0	19.1	95.7	3.71	80 - 131	29	
sec-Butylbenzene	20.0	19.2	95.8	20.0	19.6	97.8	2.05	80 - 127	28	
tert-Butylbenzene	20.0	19.3	96.3	20.0	20.0	99.8	3.61	80 - 126	27	
Carbon disulfide	20.0	20.2	101	20.0	20.6	103	2.31	58 - 138	49	
Carbon tetrachloride	20.0	22.9	115	20.0	22.6	113	1.59	80 - 137	32	
Chlorobenzene	20.0	20.8	104	20.0	21.0	105	0.925	80 - 120	16	
Chlorodibromomethane	20.0	21.2	106	20.0	21.1	105	0.481	80 - 127	26	
Chloroethane	20.0	20.1	101	20.0	20.4	102	1.29	77 - 133	34	
2-Chloroethyl vinyl ether	20.0	23.0	115	20.0	23.3	116	1.20	10 - 211	125	
Chloroform	20.0	21.4	107	20.0	21.3	106	0.455	80 - 125	23	
Chloromethane	20.0	19.8	99.0	20.0	19.1	95.3	3.79	60 - 130	43	
2-Chlorotoluene	20.0	19.4	96.9	20.0	19.9	99.3	2.45	80 - 127	28	
4-Chlorotoluene	20.0	19.7	98.4	20.0	19.8	99.2	0.868	80 - 126	26	
1,2-Dibromo-3-chloropropane	20.0	16.8	84.0	20.0	18.9	94.4	11.6	65 - 129	39	
1,2-Dibromoethane	20.0	21.0	105	20.0	21.3	106	1.39	80 - 125	20	
Dibromomethane	20.0	20.8	104	20.0	20.4	102	1.61	80 - 126	24	
1,2-Dichlorobenzene	20.0	19.3	96.3	20.0	19.9	99.3	3.08	80 - 125	15	
1,3-Dichlorobenzene	20.0	19.8	98.9	20.0	19.9	99.7	0.872	80 - 120	16	
1,4-Dichlorobenzene	20.0	19.1	95.7	20.0	19.6	98.1	2.52	80 - 120	15	
Dichlorodifluoromethane	20.0	23.6	118	20.0	23.1	115	2.00	50 - 133	51	
1,1-Dichloroethane	20.0	19.9	99.5	20.0	20.1	101	1.12	80 - 125	21	
1,2-Dichloroethane	20.0	20.9	105	20.0	20.7	103	1.16	80 - 129	29	
1,1-Dichloroethene	20.0	19.9	99.7	20.0	20.5	103	2.80	80 - 132	26	
cis-1,2-Dichloroethene	20.0	20.5	103	20.0	20.6	103	0.519	80 - 121	19	
trans-1,2-Dichloroethene	20.0	21.0	105	20.0	21.2	106	0.678	80 - 127	24	
1,2-Dichloropropane	20.0	19.6	98.1	20.0	20.0	99.8	1.74	80 - 120	20	
1,3-Dichloropropane	20.0	19.6	98.1	20.0	19.6	98.1	0.0096	80 - 120	20	
2,2-Dichloropropane	20.0	23.7	118	20.0	24.3	121	2.53	80 - 133	29	
cis-1,3-Dichloropropene	20.0	21.7	108	20.0	21.8	109	0.458	80 - 132	26	
trans-1,3-Dichloropropene	20.0	23.1	115	20.0	23.2	116	0.591	80 - 130	25	
1,1-Dichloropropene	20.0	20.5	103	20.0	20.7	103	0.863	74 - 139	40	
Ethylbenzene	20.0	20.6	103	20.0	21.1	105	2.01	80 - 122	20	
2-Hexanone	20.0	16.2	81.0	20.0	16.6	82.9	2.38	56 - 136	49	
Hexachlorobutadiene	20.0	16.1	80.5	20.0	16.6	83.2	3.32	72 - 132	36	

KEMRON FORMS - Modified 01/03/2005
 Version 1.5 PDF File ID: 240326
 Report generated 05/24/2005 13:44

KEMRON Environmental Services
LABORATORY CONTROL SAMPLES

00094138

Login Number: L0505337 Analyst: MES Prep Method: 5030B
Instrument ID: HPMS10 Matrix: Water Method: 8260B
Workgroup (AAB#): WG189539 Units: ug/L
Sample ID: WG189539-02 LCS File ID: 10M38164 Run Date: 05/21/2005 11:56
Sample ID: WG189539-03 LCS2 File ID: 10M38165 Run Date: 05/21/2005 12:27

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Isopropylbenzene	20.0	22.0	110	20.0	22.0	110	0.181	80 - 122	24	
p-Isopropyltoluene	20.0	19.5	97.4	20.0	19.9	99.5	2.12	80 - 122	24	
4-Methyl-2-pentanone	20.0	17.5	87.5	20.0	18.1	90.7	3.55	64 - 140	47	
Methylene chloride	20.0	19.5	97.6	20.0	19.6	98.2	0.660	80 - 123	22	
Naphthalene	20.0	19.6	98.1	20.0	19.6	98.0	0.109	59 - 149	55	
n-Propylbenzene	20.0	19.1	95.3	20.0	19.7	98.7	3.46	80 - 129	27	
Styrene	20.0	20.6	103	20.0	20.9	105	1.80	80 - 123	20	
1,1,1,2-Tetrachloroethane	20.0	24.9	124	20.0	24.7	123	0.693	80 - 130	25	
1,1,2,2-Tetrachloroethane	20.0	17.7	88.4	20.0	18.6	93.1	5.17	79 - 125	28	
Tetrachloroethene	20.0	21.8	109	20.0	21.7	109	0.413	80 - 124	22	
Toluene	20.0	20.4	102	20.0	20.8	104	1.73	80 - 124	22	
1,2,3-Trichlorobenzene	20.0	20.3	102	20.0	21.1	105	3.62	62 - 140	48	
1,2,4-Trichlorobenzene	20.0	19.4	97.1	20.0	19.9	99.6	2.52	77 - 131	33	
1,1,1-Trichloroethane	20.0	23.9	120	20.0	23.7	118	0.987	80 - 134	28	
1,1,2-Trichloroethane	20.0	19.3	96.7	20.0	20.1	100	3.71	80 - 125	20	
Trichloroethene	20.0	21.5	107	20.0	21.3	107	0.665	80 - 122	21	
Trichlorofluoromethane	20.0	23.6	118	20.0	23.1	116	2.08	62 - 151	55	
1,2,3-Trichloropropane	20.0	19.6	98.2	20.0	20.6	103	4.70	80 - 126	25	
1,2,4-Trimethylbenzene	20.0	19.2	95.8	20.0	19.6	98.0	2.34	80 - 125	26	
1,3,5-Trimethylbenzene	20.0	19.8	99.0	20.0	20.2	101	2.28	80 - 127	25	
Vinyl acetate	20.0	18.3	91.7	20.0	20.7	103	11.9	10 - 285	201	
Vinyl chloride	20.0	23.6	118	20.0	22.0	110	6.95	65 - 140	46	
o-Xylene	20.0	21.1	105	20.0	20.8	104	1.37	80 - 122	18	
m-, p-Xylene	40.0	41.2	103	40.0	41.4	104	0.610	80 - 122	21	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
Dibromofluoromethane	103	101	86 - 118	PASS
1,2-Dichloroethane-d4	95.2	91.1	80 - 120	PASS
Toluene-d8	93.1	92.8	88 - 110	PASS
4-Bromofluorobenzene	84.6	86.6	86 - 115	FAIL

* FAILS %REC LIMIT

FAILS RPD LIMIT

Login Number: L0505337 Analyst: MES Prep Method: 5030B
 Instrument ID: HPMS11 Matrix: Water Method: 8260B
 Workgroup (AAB#): WG189541 Units: ug/L
 Sample ID: WG189541-02 LCS File ID: 11M27077 Run Date: 05/21/2005 11:29
 Sample ID: WG189541-03 LCS2 File ID: 11M27078 Run Date: 05/21/2005 11:59

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Acetone	20.0	25.2	126	20.0	26.6	133	5.33	40 - 142	63	
Benzene	20.0	21.5	108	20.0	20.6	103	4.12	80 - 121	21	
Bromobenzene	20.0	21.4	107	20.0	20.9	104	2.47	80 - 120	18	
Bromochloromethane	20.0	21.4	107	20.0	21.2	106	1.03	80 - 124	20	
Bromodichloromethane	20.0	26.8	134	20.0	26.5	132	1.27	80 - 131	25	*
Bromoform	20.0	22.5	113	20.0	22.5	113	0.0014	74 - 130	35	
Bromomethane	20.0	17.5	87.4	20.0	17.1	85.4	2.36	61 - 151	56	
2-Butanone	20.0	25.3	127	20.0	26.8	134	5.67	58 - 149	56	
n-Butylbenzene	20.0	22.9	115	20.0	21.8	109	5.11	80 - 131	29	
sec-Butylbenzene	20.0	23.3	117	20.0	22.1	110	5.54	80 - 127	28	
tert-Butylbenzene	20.0	21.7	108	20.0	20.8	104	4.14	80 - 126	27	
Carbon disulfide	20.0	20.9	104	20.0	19.8	99.2	4.99	58 - 138	49	
Carbon tetrachloride	20.0	22.3	111	20.0	21.0	105	6.05	80 - 137	32	
Chlorobenzene	20.0	22.0	110	20.0	21.0	105	4.71	80 - 120	16	
Chlorodibromomethane	20.0	22.8	114	20.0	22.5	112	1.60	80 - 127	26	
Chloroethane	20.0	20.9	105	20.0	20.2	101	3.33	77 - 133	34	
2-Chloroethyl vinyl ether	20.0	23.0	115	20.0	23.9	119	3.73	10 - 211	125	
Chloroform	20.0	22.7	114	20.0	22.1	110	2.89	80 - 125	23	
Chloromethane	20.0	20.6	103	20.0	19.8	98.8	4.27	60 - 130	43	
2-Chlorotoluene	20.0	23.3	117	20.0	22.2	111	4.81	80 - 127	28	
4-Chlorotoluene	20.0	24.0	120	20.0	23.0	115	4.25	80 - 126	26	
1,2-Dibromo-3-chloropropane	20.0	26.1	131	20.0	27.3	136	4.22	65 - 129	39	*
1,2-Dibromoethane	20.0	23.1	115	20.0	23.1	116	0.219	80 - 125	20	
Dibromomethane	20.0	21.7	108	20.0	21.9	109	0.815	80 - 126	24	
1,2-Dichlorobenzene	20.0	21.1	106	20.0	20.9	105	1.09	80 - 125	15	
1,3-Dichlorobenzene	20.0	21.0	105	20.0	20.5	103	2.16	80 - 120	16	
1,4-Dichlorobenzene	20.0	21.1	105	20.0	20.6	103	2.32	80 - 120	15	
Dichlorodifluoromethane	20.0	28.0	140	20.0	27.1	136	3.10	50 - 133	51	*
1,1-Dichloroethane	20.0	21.3	107	20.0	20.5	102	3.91	80 - 125	21	
1,2-Dichloroethane	20.0	21.6	108	20.0	21.8	109	0.587	80 - 129	29	
1,1-Dichloroethene	20.0	21.3	106	20.0	20.2	101	5.20	80 - 132	26	
cis-1,2-Dichloroethene	20.0	21.5	107	20.0	20.9	105	2.69	80 - 121	19	
trans-1,2-Dichloroethene	20.0	21.6	108	20.0	20.5	103	5.22	80 - 127	24	
1,2-Dichloropropane	20.0	21.6	108	20.0	21.2	106	1.83	80 - 120	20	
1,3-Dichloropropane	20.0	22.2	111	20.0	22.5	113	1.34	80 - 120	20	
2,2-Dichloropropane	20.0	23.3	117	20.0	22.6	113	2.92	80 - 133	29	
cis-1,3-Dichloropropene	20.0	24.3	121	20.0	24.0	120	0.975	80 - 132	26	
trans-1,3-Dichloropropene	20.0	25.2	126	20.0	24.6	123	2.44	80 - 130	25	
1,1-Dichloropropene	20.0	22.6	113	20.0	21.6	108	4.23	74 - 139	40	
Ethylbenzene	20.0	22.0	110	20.0	20.8	104	5.45	80 - 122	20	
2-Hexanone	20.0	22.5	113	20.0	23.8	119	5.23	56 - 136	49	
Hexachlorobutadiene	20.0	20.4	102	20.0	19.4	96.9	5.18	72 - 132	36	

KEMRON FORMS - Modified 01/03/2005
 Version 1.5 PDF File ID: 240326
 Report generated 05/24/2005 13:44

KEMRON Environmental Services
LABORATORY CONTROL SAMPLES

00094140

Login Number: L0505337 **Analyst:** MES **Prep Method:** 5030B
Instrument ID: HPMS11 **Matrix:** Water **Method:** 8260B
Workgroup (AAB#): WG189541 **Units:** ug/L
Sample ID: WG189541-02 LCS **File ID:** 11M27077 **Run Date:** 05/21/2005 11:29
Sample ID: WG189541-03 LCS2 **File ID:** 11M27078 **Run Date:** 05/21/2005 11:59

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Isopropylbenzene	20.0	21.0	105	20.0	19.9	99.5	5.15	80 - 122	24	
p-Isopropyltoluene	20.0	22.2	111	20.0	21.2	106	4.86	80 - 122	24	
4-Methyl-2-pentanone	20.0	22.6	113	20.0	23.6	118	4.30	64 - 140	47	
Methylene chloride	20.0	40.2	201	20.0	36.2	181	10.4	80 - 123	22	*
Naphthalene	20.0	21.6	108	20.0	22.2	111	2.82	59 - 149	55	
n-Propylbenzene	20.0	23.4	117	20.0	21.9	110	6.32	80 - 129	27	
Styrene	20.0	22.8	114	20.0	22.0	110	3.45	80 - 123	20	
1,1,1,2-Tetrachloroethane	20.0	25.0	125	20.0	24.1	120	3.99	80 - 130	25	
1,1,1,2-Tetrachloroethane	20.0	23.4	117	20.0	24.2	121	3.40	79 - 125	28	
Tetrachloroethene	20.0	20.7	103	20.0	19.2	96.2	7.25	80 - 124	22	
Toluene	20.0	22.1	111	20.0	21.0	105	5.07	80 - 124	22	
1,2,3-Trichlorobenzene	20.0	19.9	99.3	20.0	19.9	99.7	0.424	62 - 140	48	
1,2,4-Trichlorobenzene	20.0	20.4	102	20.0	20.2	101	1.30	77 - 131	33	
1,1,1-Trichloroethane	20.0	23.3	117	20.0	22.3	112	4.42	80 - 134	28	
1,1,2-Trichloroethane	20.0	22.9	115	20.0	22.0	110	4.13	80 - 125	20	
Trichloroethene	20.0	21.6	108	20.0	20.5	103	5.34	80 - 122	21	
Trichlorofluoromethane	20.0	21.9	109	20.0	20.8	104	5.16	62 - 151	55	
1,2,3-Trichloropropane	20.0	24.2	121	20.0	23.8	119	1.57	80 - 126	25	
1,2,4-Trimethylbenzene	20.0	22.9	114	20.0	21.7	109	5.21	80 - 125	26	
1,3,5-Trimethylbenzene	20.0	23.3	116	20.0	22.1	111	5.07	80 - 127	25	
Vinyl acetate	20.0	19.7	98.5	20.0	21.5	108	8.80	10 - 285	201	
Vinyl chloride	20.0	22.5	113	20.0	20.7	104	8.34	65 - 140	46	
o-Xylene	20.0	22.4	112	20.0	21.1	105	5.86	80 - 122	18	
m-, p-Xylene	40.0	44.7	112	40.0	41.9	105	6.50	80 - 122	21	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
Dibromofluoromethane	100	102	86 - 118	PASS
1,2-Dichloroethane-d4	97.5	99.0	80 - 120	PASS
Toluene-d8	104	101	88 - 110	PASS
4-Bromofluorobenzene	104	103	86 - 115	PASS

* FAILS %REC LIMIT

FAILS RPD LIMIT

KEMRON Environmental Services
LABORATORY CONTROL SAMPLES

00094141

Login Number: L0505337 **Analyst:** MES **Prep Method:** 5030B
Instrument ID: HPMS10 **Matrix:** Water **Method:** 8260B
Workgroup (AAB#): WG189552 **Units:** ug/L
Sample ID: WG189552-02 LCS **File ID:** 10M38200 **Run Date:** 05/22/2005 13:06
Sample ID: WG189552-03 LCS2 **File ID:** 10M38201 **Run Date:** 05/22/2005 13:36

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Acetone	20.0	15.3	76.3	20.0	14.6	72.8	4.63	40 - 142	63	
Benzene	20.0	20.5	103	20.0	19.9	99.5	3.15	80 - 121	21	
Bromobenzene	20.0	20.3	101	20.0	20.1	101	0.917	80 - 120	18	
Bromochloromethane	20.0	20.7	104	20.0	20.3	101	2.23	80 - 124	20	
Bromodichloromethane	20.0	20.5	103	20.0	20.0	100	2.39	80 - 131	25	
Bromoform	20.0	18.7	93.3	20.0	18.6	92.8	0.530	74 - 130	35	
Bromomethane	20.0	20.9	105	20.0	21.4	107	2.20	61 - 151	56	
2-Butanone	20.0	16.0	79.8	20.0	16.1	80.7	1.10	58 - 149	56	
n-Butylbenzene	20.0	19.1	95.3	20.0	18.4	92.0	3.54	80 - 131	29	
sec-Butylbenzene	20.0	19.7	98.5	20.0	19.3	96.7	1.79	80 - 127	28	
tert-Butylbenzene	20.0	20.6	103	20.0	19.4	97.2	5.98	80 - 126	27	
Carbon disulfide	20.0	20.8	104	20.0	19.5	97.7	6.18	58 - 138	49	
Carbon tetrachloride	20.0	20.5	103	20.0	19.7	98.7	3.82	80 - 137	32	
Chlorobenzene	20.0	20.5	103	20.0	20.3	102	0.962	80 - 120	16	
Chlorodibromomethane	20.0	19.4	96.9	20.0	19.1	95.6	1.27	80 - 127	26	
Chloroethane	20.0	20.6	103	20.0	19.4	96.9	6.17	77 - 133	34	
2-Chloroethyl vinyl ether	20.0	21.4	107	20.0	20.7	103	3.69	10 - 211	125	
Chloroform	20.0	20.1	101	20.0	19.1	95.3	5.43	80 - 125	23	
Chloromethane	20.0	19.0	94.9	20.0	17.8	89.2	6.20	60 - 130	43	
2-Chlorotoluene	20.0	18.9	94.3	20.0	19.4	96.9	2.69	80 - 127	28	
4-Chlorotoluene	20.0	19.5	97.4	20.0	19.2	96.0	1.45	80 - 126	26	
1,2-Dibromo-3-chloropropane	20.0	17.2	86.2	20.0	16.8	83.9	2.73	65 - 129	39	
1,2-Dibromoethane	20.0	20.0	100	20.0	19.7	98.7	1.45	80 - 125	20	
Dibromomethane	20.0	19.4	97.0	20.0	19.5	97.5	0.465	80 - 126	24	
1,2-Dichlorobenzene	20.0	19.6	98.0	20.0	19.3	96.4	1.62	80 - 125	15	
1,3-Dichlorobenzene	20.0	20.0	99.9	20.0	19.7	98.5	1.43	80 - 120	16	
1,4-Dichlorobenzene	20.0	19.3	96.6	20.0	19.0	95.1	1.65	80 - 120	15	
Dichlorodifluoromethane	20.0	21.2	106	20.0	19.8	98.8	7.29	50 - 133	51	
1,1-Dichloroethane	20.0	19.4	97.1	20.0	18.5	92.3	5.07	80 - 125	21	
1,2-Dichloroethane	20.0	18.4	91.9	20.0	17.8	89.2	2.98	80 - 129	29	
1,1-Dichloroethene	20.0	20.5	103	20.0	19.5	97.4	5.20	80 - 132	26	
cis-1,2-Dichloroethene	20.0	20.8	104	20.0	19.8	99.2	4.68	80 - 121	19	
trans-1,2-Dichloroethene	20.0	21.3	106	20.0	20.3	101	4.63	80 - 127	24	
1,2-Dichloropropane	20.0	19.8	98.9	20.0	19.2	95.9	3.14	80 - 120	20	
1,3-Dichloropropane	20.0	18.6	93.0	20.0	18.6	93.1	0.0269	80 - 120	20	
2,2-Dichloropropane	20.0	22.2	111	20.0	21.3	106	4.12	80 - 133	29	
cis-1,3-Dichloropropene	20.0	20.6	103	20.0	20.1	101	2.41	80 - 132	26	
trans-1,3-Dichloropropene	20.0	21.5	107	20.0	21.0	105	2.11	80 - 130	25	
1,1-Dichloropropene	20.0	20.1	100	20.0	19.0	95.0	5.59	74 - 139	40	
Ethylbenzene	20.0	20.9	105	20.0	20.3	101	3.11	80 - 122	20	
2-Hexanone	20.0	14.9	74.5	20.0	15.0	75.0	0.765	56 - 136	49	
Hexachlorobutadiene	20.0	16.3	81.5	20.0	16.1	80.5	1.32	72 - 132	36	

KEMRON FORMS - Modified 01/03/2005
 Version 1.5 PDF File ID: 240326
 Report generated 05/24/2005 13:44

Login Number: L0505337 Analyst: MES Prep Method: 5030B
 Instrument ID: HPMS10 Matrix: Water Method: 8260B
 Workgroup (AAB#): WG189552 Units: ug/L
 Sample ID: WG189552-02 LCS File ID: 10M38200 Run Date: 05/22/2005 13:06
 Sample ID: WG189552-03 LCS2 File ID: 10M38201 Run Date: 05/22/2005 13:36

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Isopropylbenzene	20.0	21.9	109	20.0	21.1	105	3.81	80 - 122	24	
p-Isopropyltoluene	20.0	20.2	101	20.0	19.6	98.0	3.22	80 - 122	24	
4-Methyl-2-pentanone	20.0	17.1	85.4	20.0	17.5	87.7	2.59	64 - 140	47	
Methylene chloride	20.0	19.4	96.8	20.0	18.7	93.4	3.57	80 - 123	22	
Naphthalene	20.0	19.7	98.7	20.0	19.3	96.3	2.44	59 - 149	55	
n-Propylbenzene	20.0	19.8	98.9	20.0	19.3	96.5	2.43	80 - 129	27	
Styrene	20.0	20.9	104	20.0	20.5	102	1.87	80 - 123	20	
1,1,1,2-Tetrachloroethane	20.0	22.3	112	20.0	22.3	111	0.285	80 - 130	25	
1,1,2,2-Tetrachloroethane	20.0	17.9	89.3	20.0	18.2	91.2	2.11	79 - 125	28	
Tetrachloroethene	20.0	21.7	108	20.0	20.6	103	4.96	80 - 124	22	
Toluene	20.0	20.7	103	20.0	20.3	101	2.18	80 - 124	22	
1,2,3-Trichlorobenzene	20.0	20.1	100	20.0	19.5	97.6	2.78	62 - 140	48	
1,2,4-Trichlorobenzene	20.0	19.5	97.7	20.0	18.9	94.6	3.22	77 - 131	33	
1,1,1-Trichloroethane	20.0	21.6	108	20.0	20.8	104	3.79	80 - 134	28	
1,1,2-Trichloroethane	20.0	19.0	95.2	20.0	19.1	95.6	0.397	80 - 125	20	
Trichloroethene	20.0	20.9	104	20.0	20.3	101	3.05	80 - 122	21	
Trichlorofluoromethane	20.0	21.0	105	20.0	19.7	98.4	6.28	62 - 151	55	
1,2,3-Trichloropropane	20.0	18.7	93.7	20.0	18.9	94.6	0.960	80 - 126	25	
1,2,4-Trimethylbenzene	20.0	19.7	98.5	20.0	19.3	96.4	2.11	80 - 125	26	
1,3,5-Trimethylbenzene	20.0	20.3	102	20.0	20.1	100	1.36	80 - 127	25	
Vinyl acetate	20.0	17.6	87.9	20.0	17.8	88.8	1.06	10 - 285	201	
Vinyl chloride	20.0	21.2	106	20.0	19.6	97.8	8.19	65 - 140	46	
o-Xylene	20.0	21.4	107	20.0	20.4	102	4.99	80 - 122	18	
m-, p-Xylene	40.0	41.8	104	40.0	40.4	101	3.35	80 - 122	21	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
Dibromofluoromethane	93.9	92.5	86 - 118	PASS
1,2-Dichloroethane-d4	82.7	81.8	80 - 120	PASS
Toluene-d8	92.4	92.3	88 - 110	PASS
4-Bromofluorobenzene	85.9	87.2	86 - 115	FAIL

* FAILS %REC LIMIT

FAILS RPD LIMIT

Loginnum:L0505337	Cal ID: HPMS11 - 19-MAY-05	Worknum: WG189437
Instrument ID:HPMS11	Contract #:DACA56-94-D-0020	Prep Method:5030B
Parent ID:L0505337-19	File ID:11M27055 Dil:1	Method:8260B
Sample ID:L0505337-20 MS	File ID:11M27056 Dil:1	Matrix:Water
Sample ID:L0505337-21 MSD	File ID:11M27057 Dil:1	Units:ug/L

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Acetone	ND	20.0	27.4	137	20.0	27.6	138	0.766	40 - 142	63	
Benzene	ND	20.0	20.7	104	20.0	21.1	106	1.72	80 - 121	21	
Bromobenzene	ND	20.0	21.3	106	20.0	21.0	105	1.20	80 - 120	18	
Bromochloromethane	ND	20.0	22.4	112	20.0	22.6	113	1.05	80 - 124	20	
Bromodichloromethane	ND	20.0	24.9	124	20.0	25.0	125	0.507	80 - 131	25	
Bromoform	ND	20.0	19.8	98.8	20.0	19.6	98.1	0.750	74 - 130	35	
Bromomethane	ND	20.0	10.2	50.8	20.0	9.31	46.5	8.82	61 - 151	56	*
2-Butanone	ND	20.0	24.4	122	20.0	26.0	130	6.44	58 - 149	56	
n-Butylbenzene	ND	20.0	20.1	101	20.0	20.3	102	0.874	80 - 131	29	
sec-Butylbenzene	ND	20.0	20.5	102	20.0	20.6	103	0.453	80 - 127	28	
tert-Butylbenzene	ND	20.0	20.6	103	20.0	20.3	102	1.42	80 - 126	27	
Carbon disulfide	ND	20.0	20.1	101	20.0	20.5	102	1.71	58 - 138	49	
Carbon tetrachloride	ND	20.0	19.2	96.0	20.0	19.7	98.4	2.47	80 - 137	32	
Chlorobenzene	ND	20.0	22.2	111	20.0	21.7	109	1.88	80 - 120	16	
Chlorodibromomethane	ND	20.0	20.2	101	20.0	20.7	103	2.26	80 - 127	26	
Chloroethane	ND	20.0	20.3	102	20.0	20.8	104	2.19	77 - 133	34	
2-Chloroethyl vinyl ether	ND	20.0	0	0	20.0	0	0	0	10 - 211	125	*
Chloroform	ND	20.0	22.1	110	20.0	22.5	113	2.20	80 - 125	23	
Chloromethane	1.66	20.0	21.5	99.1	20.0	21.7	100	1.07	60 - 130	43	
2-Chlorotoluene	ND	20.0	20.2	101	20.0	20.0	100	0.971	80 - 127	28	
4-Chlorotoluene	ND	20.0	19.6	98.1	20.0	22.1	110	11.6	80 - 126	26	
1,2-Dibromo-3-chloropropane	ND	20.0	22.4	112	20.0	21.3	106	5.10	65 - 129	39	
1,2-Dibromoethane	ND	20.0	21.7	109	20.0	21.9	110	0.988	80 - 125	20	
Dibromomethane	ND	20.0	21.6	108	20.0	21.5	108	0.304	80 - 126	24	
1,2-Dichlorobenzene	ND	20.0	21.0	105	20.0	21.0	105	0.0368	80 - 125	15	
1,3-Dichlorobenzene	ND	20.0	20.6	103	20.0	20.6	103	0.194	80 - 120	16	
1,4-Dichlorobenzene	ND	20.0	20.8	104	20.0	20.9	104	0.336	80 - 120	15	
Dichlorodifluoromethane	ND	20.0	28.7	143	20.0	29.1	146	1.50	50 - 133	51	*
1,1-Dichloroethane	ND	20.0	21.2	106	20.0	21.3	107	0.696	80 - 125	21	
1,2-Dichloroethane	ND	20.0	22.6	113	20.0	22.7	114	0.497	80 - 129	29	
1,1-Dichloroethene	ND	20.0	19.5	97.4	20.0	19.8	98.9	1.47	80 - 132	26	
cis-1,2-Dichloroethene	ND	20.0	21.2	106	20.0	21.1	105	0.635	80 - 121	19	
trans-1,2-Dichloroethene	ND	20.0	20.8	104	20.0	21.3	107	2.73	80 - 127	24	
1,2-Dichloropropane	ND	20.0	21.4	107	20.0	21.5	107	0.369	80 - 120	20	
1,3-Dichloropropane	ND	20.0	21.7	108	20.0	21.4	107	1.03	80 - 120	20	
2,2-Dichloropropane	ND	20.0	21.0	105	20.0	20.8	104	0.877	80 - 133	29	
cis-1,3-Dichloropropene	ND	20.0	23.0	115	20.0	23.2	116	0.789	80 - 132	26	
trans-1,3-Dichloropropene	ND	20.0	23.1	116	20.0	22.7	113	1.94	80 - 130	25	
1,1-Dichloropropene	ND	20.0	21.0	105	20.0	21.2	106	1.15	74 - 139	40	
Ethylbenzene	ND	20.0	21.8	109	20.0	21.3	107	2.23	80 - 122	20	
2-Hexanone	ND	20.0	21.4	107	20.0	22.1	111	3.52	56 - 136	49	

Loginnum:L0505337

Cal ID: HPMS11 19-MAY-05

Worknum: WG189437

Instrument ID: HPMS11

Contract #: DACA56-94-D-0020

Prep Method: 5030B

Parent ID: L0505337-19

File ID: 11M27055

Dil: 1

Method: 8260B

Sample ID: L0505337-20 MS

File ID: 11M27056

Dil: 1

Matrix: Water

Sample ID: L0505337-21 MSD

File ID: 11M27057

Dil: 1

Units: ug/L

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Hexachlorobutadiene	ND	20.0	18.7	93.3	20.0	19.2	95.9	2.70	72 - 132	36	
Isopropylbenzene	ND	20.0	19.7	98.6	20.0	19.7	98.3	0.388	80 - 122	24	
p-Isopropyltoluene	ND	20.0	19.9	99.6	20.0	20.1	101	0.943	80 - 122	24	
4-Methyl-2-pentanone	ND	20.0	19.5	97.4	20.0	21.4	107	9.22	64 - 140	47	
Methylene chloride	ND	20.0	20.4	102	20.0	20.8	104	2.10	80 - 123	22	
Naphthalene	ND	20.0	20.5	102	20.0	20.7	103	1.10	59 - 149	55	
n-Propylbenzene	ND	20.0	20.3	101	20.0	20.3	102	0.258	80 - 129	27	
Styrene	ND	20.0	22.4	112	20.0	22.1	110	1.73	80 - 123	20	
1,1,1,2-Tetrachloroethane	ND	20.0	24.1	120	20.0	23.7	118	1.69	80 - 130	25	
1,1,2,2-Tetrachloroethane	ND	20.0	21.2	106	20.0	21.8	109	2.63	79 - 125	28	
Tetrachloroethene	ND	20.0	21.1	105	20.0	20.6	103	2.10	80 - 124	22	
Toluene	ND	20.0	21.2	106	20.0	20.9	104	1.57	80 - 124	22	
1,2,3-Trichlorobenzene	ND	20.0	19.9	99.7	20.0	20.3	102	1.99	62 - 140	48	
1,2,4-Trichlorobenzene	ND	20.0	20.3	101	20.0	20.8	104	2.43	77 - 131	33	
1,1,1-Trichloroethane	ND	20.0	21.1	106	20.0	21.5	107	1.60	80 - 134	28	
1,1,2-Trichloroethane	ND	20.0	22.0	110	20.0	21.5	108	2.45	80 - 125	20	
Trichloroethene	ND	20.0	21.5	108	20.0	21.8	109	1.24	80 - 122	21	
Trichlorofluoromethane	ND	20.0	20.4	102	20.0	20.9	104	2.43	62 - 151	55	
1,2,3-Trichloropropane	ND	20.0	21.7	109	20.0	22.1	111	2.01	80 - 126	25	
1,2,4-Trimethylbenzene	ND	20.0	20.7	104	20.0	20.6	103	0.334	80 - 125	26	
1,3,5-Trimethylbenzene	ND	20.0	20.6	103	20.0	21.0	105	1.90	80 - 127	25	
Vinyl acetate	ND	20.0	20.8	104	20.0	20.7	103	0.640	10 - 285	201	
Vinyl chloride	ND	20.0	23.3	116	20.0	22.8	114	2.03	65 - 140	46	
o-Xylene	ND	20.0	22.0	110	20.0	21.6	108	1.97	80 - 122	18	
m-,p-Xylene	ND	40.0	44.1	110	40.0	43.6	109	1.07	80 - 122	21	

* FAILS %REC LIMIT

FAILS RPD LIMIT

KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK

BFB

Login Number: L0505337	Tune ID: WG187632-01
Instrument: HPMS10	Run Date: 04/23/2005
Analyst: MES	Run Time: 11:48
Workgroup: WG187632	File ID: 10M37431
Cal ID: HPMS10 - 23-APR-05	

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	20.4	4731	PASS
75.0	95.0	30.0	60.0	50.5	11723	PASS
95.0	95.0	100	100	100	23213	PASS
96.0	95.0	5.00	9.00	6.79	1576	PASS
173	174	0	2.00	0	0	PASS
174	95.0	50.0	100	81.9	19021	PASS
175	174	5.00	9.00	7.79	1482	PASS
176	174	95.0	101	101	19202	PASS
177	176	5.00	9.00	6.20	1191	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG187632-11	SSCV	01	04/23/2005 18:10	
WG187632-10	STD	01	04/23/2005 16:36	
WG187632-09	STD	01	04/23/2005 16:05	
WG187632-08	CCV	01	04/23/2005 15:34	
WG187632-07	STD	01	04/23/2005 15:02	
WG187632-06	STD	01	04/23/2005 14:31	
WG187632-05	STD	01	04/23/2005 14:00	
WG187632-04	STD	01	04/23/2005 13:29	
WG187632-03	STD	01	04/23/2005 12:57	
WG187632-02	STD	01	04/23/2005 12:24	

* Sample past 12 hour tune limit

KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK

BFB

Login Number: L0505337	Tune ID: WG189358-01
Instrument: HPMS11	Run Date: 05/19/2005
Analyst: CMS	Run Time: 07:33
Workgroup: WG189358	File ID: 11M27007
Cal ID: HPMS11 - 19-MAY-05	

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	20.5	12166	PASS
75.0	95.0	30.0	60.0	52.7	31349	PASS
95.0	95.0	100	100	100	59440	PASS
96.0	95.0	5.00	9.00	6.61	3930	PASS
173	174	0	2.00	0.888	470	PASS
174	95.0	50.0	100	89.1	52933	PASS
175	174	5.00	9.00	7.12	3768	PASS
176	174	95.0	101	99.1	52474	PASS
177	176	5.00	9.00	5.79	3037	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG189358-11	SSCV	01	05/19/2005 13:45	
WG189358-10	STD	01	05/19/2005 12:16	
WG189358-09	STD	01	05/19/2005 11:46	
WG189358-02	STD	01	05/19/2005 11:16	
WG189358-03	STD	01	05/19/2005 10:39	
WG189358-04	STD	01	05/19/2005 10:09	
WG189358-05	STD	01	05/19/2005 09:39	
WG189358-06	STD	01	05/19/2005 09:09	
WG189358-07	STD	01	05/19/2005 08:35	
WG189358-08	CCV	01	05/19/2005 08:05	

* Sample past 12 hour tune limit

**KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK**

BFB

Login Number: L0505337	Tune ID: WG189414-01
Instrument: HPMS11	Run Date: 05/19/2005
Analyst: CMS	Run Time: 15:17
Workgroup: WG189414	File ID: 11M27022
Cal ID: HPMS11 -19-MAY-05	

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	20.3	13961	PASS
75.0	95.0	30.0	60.0	51.3	35250	PASS
95.0	95.0	100	100	100	68677	PASS
96.0	95.0	5.00	9.00	6.51	4472	PASS
173	174	0	2.00	0.295	177	PASS
174	95.0	50.0	100	87.4	60026	PASS
175	174	5.00	9.00	7.19	4315	PASS
176	174	95.0	101	95.7	57418	PASS
177	176	5.00	9.00	7.51	4310	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG189416-01	BLANK	01	05/19/2005 16:16	
WG189416-02	LCS	01	05/19/2005 16:46	
WG189416-03	LCS2	01	05/19/2005 17:16	
WG189416-04	FBLK	01	05/19/2005 17:46	
L0505337-01	051405-ER	01	05/19/2005 18:16	
L0505337-06	29WW09-MAY05	01	05/20/2005 01:16	
L0505337-08	29WW115-MAY05	01	05/20/2005 01:46	
L0505337-09	29WW119-MAY05	01	05/20/2005 02:16	
L0505337-15	29WW19-MAY05	01	05/20/2005 02:46	
L0505337-18	29WW23-MAY05	01	05/20/2005 03:17	

* Sample past 12 hour tune limit

**KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK**

BFB

Login Number: L0505337	Tune ID: WG189436-01
Instrument: HPMS11	Run Date: 05/20/2005
Analyst: CMS	Run Time: 07:23
Workgroup: WG189436	File ID: 11M27048
Cal ID: HPMS11 -19-MAY-05	

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	21.5	10893	PASS
75.0	95.0	30.0	60.0	51.2	25901	PASS
95.0	95.0	100	100	100	50594	PASS
96.0	95.0	5.00	9.00	6.53	3305	PASS
173	174	0	2.00	1.01	473	PASS
174	95.0	50.0	100	93.0	47061	PASS
175	174	5.00	9.00	6.68	3144	PASS
176	174	95.0	101	95.5	44962	PASS
177	176	5.00	9.00	6.63	2982	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG189437-01	BLANK	01	05/20/2005 08:23	
WG189437-02	LCS	01	05/20/2005 08:53	
L0505337-03	051505-TB-2	01	05/20/2005 09:53	
L0505337-02	051505-ER	01	05/20/2005 10:23	
L0505337-19	29WW24-MAY05	01	05/20/2005 10:53	
L0505337-20	29WW24-MAY05-MS	01	05/20/2005 11:23	
L0505337-21	29WW24-MAY05-MSD	01	05/20/2005 11:53	
L0505337-22	29WW29-MAY05	01	05/20/2005 12:23	
L0505337-23	29WW32-MAY05	01	05/20/2005 12:53	
L0505337-04	29WW05-MAY05	01	05/20/2005 13:23	
L0505337-05	29WW05-MAY05-D	01	05/20/2005 13:53	
L0505337-07	29WW10-MAY05	01	05/20/2005 14:23	
L0505337-10	29WW15-MAY05	01	05/20/2005 14:53	
L0505337-11	29WW15-MAY05-D	01	05/20/2005 15:22	

* Sample past 12 hour tune limit

KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK

BFB

Login Number: <u>L0505337</u>	Tune ID: <u>WG189538-01</u>
Instrument: <u>HPMS10</u>	Run Date: <u>05/21/2005</u>
Analyst: <u>MES</u>	Run Time: <u>10:25</u>
Workgroup: <u>WG189538</u>	File ID: <u>10M38161</u>
Cal ID: <u>HPMS10 -23-APR-05</u>	

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	21.1	4978	PASS
75.0	95.0	30.0	60.0	49.9	11789	PASS
95.0	95.0	100	100	100	23605	PASS
96.0	95.0	5.00	9.00	7.57	1787	PASS
173	174	0	2.00	0.516	107	PASS
174	95.0	50.0	100	87.9	20744	PASS
175	174	5.00	9.00	7.12	1477	PASS
176	174	95.0	101	95.6	19832	PASS
177	176	5.00	9.00	6.88	1365	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG189539-01	BLANK	01	05/21/2005 11:25	
WG189539-02	LCS	01	05/21/2005 11:56	
WG189539-03	LCS2	01	05/21/2005 12:27	
L0505337-14	29WW17-MAY05	01	05/21/2005 15:33	
L0505337-16	29WW21-MAY05	01	05/21/2005 16:04	
L0505337-17	29WW22-MAY05	01	05/21/2005 16:35	
L0505337-24	29WW34-MAY05	01	05/21/2005 17:06	
L0505337-12	29WW16-MAY05	DL01	05/21/2005 21:13	
L0505337-13	29WW16-MAY05-D	DL01	05/21/2005 21:44	
WG189539-04	BLANK2	01	05/21/2005 23:18	*

* Sample past 12 hour tune limit

**KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK**

BFB

Login Number: L0505337

Tune ID: WG189540-01

Instrument: HPMS11

Run Date: 05/21/2005

Analyst: MES

Run Time: 10:00

Workgroup: WG189540

File ID: 11M27074

Cal ID: HPMS11 -19-MAY-05

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	19.6	12772	PASS
75.0	95.0	30.0	60.0	51.8	33850	PASS
95.0	95.0	100	100	100	65317	PASS
96.0	95.0	5.00	9.00	6.65	4346	PASS
173	174	0	2.00	0.810	442	PASS
174	95.0	50.0	100	83.5	54562	PASS
175	174	5.00	9.00	7.23	3945	PASS
176	174	95.0	101	95.6	52152	PASS
177	176	5.00	9.00	6.77	3530	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG189541-02	LCS	01	05/21/2005 11:29	
WG189541-03	LCS2	01	05/21/2005 11:59	
WG189541-01	BLANK	03	05/21/2005 12:29	
L0505337-10	29WW15-MAY05	DL01	05/21/2005 13:04	
L0505337-11	29WW15-MAY05-D	DL01	05/21/2005 13:34	
WG189541-07	BLANK2	01	05/21/2005 19:03	

* Sample past 12 hour tune limit

KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK

BFB

Login Number: <u>L0505337</u>	Tune ID: <u>WG189551-01</u>
Instrument: <u>HPMS10</u>	Run Date: <u>05/22/2005</u>
Analyst: <u>MES</u>	Run Time: <u>11:35</u>
Workgroup: <u>WG189551</u>	File ID: <u>10M38197</u>
Cal ID: <u>HPMS10 -23-APR-05</u>	

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	18.7	4748	PASS
75.0	95.0	30.0	60.0	47.4	12002	PASS
95.0	95.0	100	100	100	25341	PASS
96.0	95.0	5.00	9.00	6.87	1742	PASS
173	174	0	2.00	0	0	PASS
174	95.0	50.0	100	87.3	22133	PASS
175	174	5.00	9.00	7.06	1563	PASS
176	174	95.0	101	97.3	21538	PASS
177	176	5.00	9.00	7.35	1583	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG189552-01	BLANK	01	05/22/2005 12:35	
WG189552-02	LCS	01	05/22/2005 13:06	
WG189552-03	LCS2	01	05/22/2005 13:36	
L0505337-12	29WW16-MAY05	DL02	05/22/2005 14:38	
L0505337-13	29WW16-MAY05-D	DL02	05/22/2005 15:09	
WG189552-04	BLANK2	01	05/22/2005 23:55	*

* Sample past 12 hour tune limit

Login Number: L0505337
 Analytical Method: 8260B
 ICAL Workgroup: WG187632

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte		AVG RF	% RSD	R2	QUAD
1,1-Dichloroethene	CCC	0.2234	11.8		
1,2-Dichloropropane	CCC	0.2377	5.95		
1,4-Dichlorobenzene	CCC	1.469	7.21		
Chloroform	CCC	0.4895	6.25		
Ethylbenzene	CCC	0.4983	6.68		
Hexachlorobutadiene	CCC	0.4582	5.70		
Toluene	CCC	1.346	5.45		
Vinyl Chloride	CCC	0.1812	10.2		
1,1,2,2-Tetrachloroethane	SPCC	0.4704	6.31		
1,1-Dichloroethane	SPCC	0.4751	5.07		
Bromoform	SPCC	0.1340	30.2	0.999	
Chlorobenzene	SPCC	0.8928	3.83		
Chloromethane	SPCC	0.2309	4.55		
1,1,1,2-Tetrachloroethane		0.2908	11.5		
1,1,1-Trichloroethane		0.4064	11.3		
1,1,2-Trichloroethane		0.2437	4.57		
1,1-Dichloropropene		0.3555	9.56		
1,2,3-Trichlorobenzene		0.7032	10.4		
1,2,3-Trichloropropane		0.1555	7.53		
1,2,4-Trichlorobenzene		0.8917	8.34		
1,2,4-Trimethylbenzene		2.623	4.75		
1,2-Dibromo-3-Chloropropane		0.07558	21.2	1.00	
1,2-Dibromoethane		0.2437	11.6		
1,2-Dichlorobenzene		1.286	7.16		
1,2-Dichloroethane		0.3544	6.13		
1,3,5-Trimethylbenzene		2.480	7.35		
1,3-Dichlorobenzene		1.419	6.39		
1,3-Dichloropropane		0.4281	4.45		
2,2-Dichloropropane		0.3560	13.5		
2-Butanone		0.06014	2.87		
2-Chloroethyl Vinyl Ether		0.08524	10.6		
2-Chlorotoluene		2.455	4.18		
2-Hexanone		0.1330	7.28		
4-Chlorotoluene		2.166	3.80		
4-Methyl-2-Pentanone		0.05336	3.76		
Acetone		0.04278	2.97		
Benzene		0.9302	5.96		
Bromobenzene		0.7266	4.31		
Bromochloromethane		0.1182	11.8		
Bromodichloromethane		0.3226	12.3		
Bromomethane		0.1295	11.1		
Carbon Disulfide		0.7510	3.47		
Carbon Tetrachloride		0.2992	23.2	1.00	
Chloroethane		0.1642	10.2		
Dibromochloromethane		0.2606	20.1	0.999	

Login Number: L0505337
 Analytical Method: 8260B
 ICAL Workgroup: WG187632

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	AVG RF	% RSD	R2	QUAD
Dibromomethane	0.1277	10.1		
Dichlorodifluoromethane	0.3345	12.7		
Isopropylbenzene	1.390	6.02		
Methylene Chloride	0.2534	4.50		
Naphthalene	1.336	9.39		
Styrene	0.9941	7.60		
Tetrachloroethene	0.3040	7.46		
Trichloroethene	0.2652	6.99		
Trichlorofluoromethane	0.4549	11.7		
Vinyl Acetate	0.3060	11.6		
cis-1,2-Dichloroethene	0.2636	9.92		
cis-1,3-Dichloropropene	0.3542	10.6		
m-,p-Xylene	0.6101	4.86		
n-Butylbenzene	2.349	4.58		
n-Propylbenzene	3.391	6.22		
o-Xylene	0.5838	8.27		
p-Isopropyltoluene	2.495	6.07		
sec-Butylbenzene	3.088	5.86		
tert-Butylbenzene	0.4969	6.33		
trans-1,2-Dichloroethene	0.2472	6.93		
trans-1,3-Dichloropropene	0.4075	13.5		
1,2-Dichloroethane-d4	0.2740	4.87		
Dibromofluoromethane	0.2378	8.17		
Toluene-d8	1.114	5.78		
p-Bromofluorobenzene	0.8548	6.02		

Login Number: L0505337
 Analytical Method: 8260B
 ICAL Workgroup: WG189358

Instrument ID: HPMS11
 Initial Calibration Date: 19-MAY-05

Analyte		AVG RF	% RSD	R2	QUAD
1,1-Dichloroethene	CCC	0.2842	8.09		
1,2-Dichloropropane	CCC	0.2931	3.52		
Chloroform	CCC	0.5264	8.06		
Ethylbenzene	CCC	0.6509	7.21		
Toluene	CCC	1.634	6.63		
Vinyl Chloride	CCC	0.1959	5.47		
1,1,2,2-Tetrachloroethane	SPCC	0.3560	7.71		
1,1-Dichloroethane	SPCC	0.5802	4.05		
Bromoform	SPCC	0.1307	26.2		1.00
Chlorobenzene	SPCC	1.107	6.56		
Chloromethane	SPCC	0.2204	12.4		
1,1,1,2-Tetrachloroethane		0.3392	14.6		
1,1,1-Trichloroethane		0.4835	12.5		
1,1,2-Trichloroethane		0.2033	6.88		
1,1-Dichloropropene		0.4436	11.2		
1,2,3-Trichlorobenzene		0.8393	5.01		
1,2,3-Trichloropropane		0.1102	10.0		
1,2,4-Trichlorobenzene		1.063	3.56		
1,2,4-Trimethylbenzene		2.995	8.59		
1,2-Dibromo-3-Chloropropane		0.05583	9.40		
1,2-Dibromoethane		0.2045	7.07		
1,2-Dichlorobenzene		1.432	3.55		
1,2-Dichloroethane		0.3457	4.62		
1,3,5-Trimethylbenzene		2.887	10.2		
1,3-Dichlorobenzene		1.729	4.45		
1,3-Dichloropropane		0.3963	4.27		
1,4-Dichlorobenzene		1.703	4.10		
2,2-Dichloropropane		0.5074	11.6		
2-Butanone		0.03840	11.1		
2-Chloroethyl Vinyl Ether		0.09470	14.9		
2-Chlorotoluene		2.390	8.34		
2-Hexanone		0.08528	6.31		
4-Chlorotoluene		2.261	4.33		
4-Methyl-2-Pentanone		0.04170	6.84		
Acetone		0.02542	28.3	0.997	
Benzene		1.269	4.34		
Bromobenzene		0.7974	4.51		
Bromochloromethane		0.1576	5.67		
Bromodichloromethane		0.3041	12.0		
Bromomethane		0.2448	0.506		
Carbon Disulfide		1.057	4.65		
Carbon Tetrachloride		0.4187	19.7		1.00
Chloroethane		0.2332	3.52		
Dibromochloromethane		0.2355	21.1		1.00
Dibromomethane		0.1234	5.09		

KEMRON FORMS - Modified 05/09/2005
 Version 1.5 PDF File ID: 240327
 Report generated 05/24/2005 13:45

Login Number: L0505337
 Analytical Method: 8260B
 ICAL Workgroup: WG189358

Instrument ID: HPMS11
 Initial Calibration Date: 19-MAY-05

Analyte	AVG RF	% RSD	R2	QUAD
Dichlorodifluoromethane	0.3475	6.74		
Hexachlorobutadiene	0.4441	8.48		
Isopropylbenzene	1.963	8.85		
Methylene Chloride	0.2941	3.48		
Naphthalene	1.359	6.46		
Styrene	1.218	11.0		
Tetrachloroethene	0.3749	8.61		
Trichloroethene	0.3391	6.28		
Trichlorofluoromethane	0.5889	6.39		
Vinyl Acetate	0.3128	7.57		
cis-1,2-Dichloroethene	0.3199	5.60		
cis-1,3-Dichloropropene	0.4018	12.3		
m-,p-Xylene	0.7989	7.70		
n-Butylbenzene	2.675	10.1		
n-Propylbenzene	3.909	9.58		
o-Xylene	0.7625	8.63		
p-Isopropyltoluene	3.048	10.2		
sec-Butylbenzene	3.625	10.5		
tert-Butylbenzene	0.6690	9.29		
trans-1,2-Dichloroethene	0.3165	5.09		
trans-1,3-Dichloropropene	0.4022	13.4		
1,2-Dichloroethane-d4	0.2538	6.48		
Dibromofluoromethane	0.2797	9.78		
Toluene-d8	1.232	10.9		
p-Bromofluorobenzene	0.8797	4.65		

Login Number: L0505337
 Analytical Method: 8260B

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	WG187632-02			WG187632-03		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	NA	NA	NA	0.400	1996	0.1652
1,2-Dichloropropane	NA	NA	NA	0.400	2604	0.2155
1,4-Dichlorobenzene	0.250	4623	1.643	0.400	7357	1.620
Chloroform	0.250	3950	0.5149	0.400	5266	0.4359
Ethylbenzene	NA	NA	NA	0.400	3902	0.4490
Hexachlorobutadiene	NA	NA	NA	0.400	1882	0.4143
Toluene	NA	NA	NA	0.400	10535	1.212
Vinyl Chloride	NA	NA	NA	0.400	1807	0.1496
1,1,2,2-Tetrachloroethane	NA	NA	NA	0.400	2379	0.5237
1,1-Dichloroethane	NA	NA	NA	0.400	5261	0.4354
Bromoform	NA	NA	NA	NA	NA	NA
Chlorobenzene	NA	NA	NA	0.400	7717	0.8881
Chloromethane	NA	NA	NA	0.400	2681	0.2219
1,1,1,2-Tetrachloroethane	NA	NA	NA	0.400	2328	0.2679
1,1,1-Trichloroethane	NA	NA	NA	0.400	3985	0.3298
1,1,2-Trichloroethane	NA	NA	NA	0.400	1969	0.2266
1,1-Dichloropropene	NA	NA	NA	0.400	3429	0.2838
1,2,3-Trichlorobenzene	0.250	1832	0.6512	0.400	4021	0.8852
1,2,3-Trichloropropane	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA	0.400	4801	1.057
1,2,4-Trimethylbenzene	NA	NA	NA	0.400	12153	2.675
1,2-Dibromo-3-Chloropropane	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	NA	NA	NA	0.400	1602	0.1844
1,2-Dichlorobenzene	0.250	4073	1.448	0.400	6415	1.412
1,2-Dichloroethane	NA	NA	NA	0.400	3817	0.3159
1,3,5-Trimethylbenzene	NA	NA	NA	0.400	10017	2.205
1,3-Dichlorobenzene	NA	NA	NA	0.400	7318	1.611
1,3-Dichloropropane	NA	NA	NA	0.400	3639	0.4188
2,2-Dichloropropane	NA	NA	NA	0.400	3412	0.2824
2-Butanone	NA	NA	NA	NA	NA	NA
2-Chloroethyl Vinyl Ether	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	NA	NA	NA	0.400	11106	2.445
2-Hexanone	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	NA	NA	NA	0.400	10188	2.243
4-Methyl-2-Pentanone	NA	NA	NA	NA	NA	NA
Acetone	NA	NA	NA	NA	NA	NA
Benzene	NA	NA	NA	0.400	9923	0.8213
Bromobenzene	0.250	2022	0.7188	0.400	3132	0.6895
Bromochloromethane	NA	NA	NA	0.400	1076	0.08910
Bromodichloromethane	NA	NA	NA	0.400	3028	0.2506
Bromomethane	NA	NA	NA	NA	NA	NA
Carbon Disulfide	NA	NA	NA	0.400	9429	0.7804

Login Number: L0505337
 Analytical Method: 8260B

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	WG187632-04			WG187632-05		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	1.00	6296	0.2095	2.00	13059	0.2200
1,2-Dichloropropane	1.00	6935	0.2308	2.00	13134	0.2212
1,4-Dichlorobenzene	1.00	15727	1.389	2.00	32223	1.424
Chloroform	1.00	13605	0.4527	2.00	28110	0.4735
Ethylbenzene	1.00	10364	0.4869	2.00	20440	0.4728
Hexachlorobutadiene	1.00	4886	0.4316	2.00	9960	0.4400
Toluene	1.00	27442	1.289	2.00	57546	1.331
Vinyl Chloride	1.00	6074	0.2021	2.00	11587	0.1952
1,1,2,2-Tetrachloroethane	1.00	4893	0.4323	2.00	10096	0.4460
1,1-Dichloroethane	1.00	13679	0.4552	2.00	27151	0.4573
Bromoform	1.00	1642	0.07710	2.00	4068	0.09410
Chlorobenzene	1.00	18628	0.8752	2.00	39444	0.9124
Chloromethane	1.00	7324	0.2437	2.00	13767	0.2319
1,1,1,2-Tetrachloroethane	1.00	5434	0.2553	2.00	10624	0.2458
1,1,1-Trichloroethane	1.00	10690	0.3557	2.00	22619	0.3810
1,1,2-Trichloroethane	1.00	5153	0.2421	2.00	10466	0.2421
1,1-Dichloropropene	1.00	10102	0.3362	2.00	20662	0.3480
1,2,3-Trichlorobenzene	1.00	7582	0.6698	2.00	14766	0.6523
1,2,3-Trichloropropane	1.00	1573	0.1390	2.00	3215	0.1420
1,2,4-Trichlorobenzene	1.00	9196	0.8124	2.00	19053	0.8417
1,2,4-Trimethylbenzene	1.00	27462	2.426	2.00	57186	2.526
1,2-Dibromo-3-Chloropropane	NA	NA	NA	2.00	1167	0.05160
1,2-Dibromoethane	1.00	5002	0.2350	2.00	10000	0.2313
1,2-Dichlorobenzene	1.00	13388	1.183	2.00	28530	1.260
1,2-Dichloroethane	1.00	10966	0.3649	2.00	20570	0.3465
1,3,5-Trimethylbenzene	1.00	25830	2.282	2.00	53630	2.369
1,3-Dichlorobenzene	1.00	15088	1.333	2.00	31559	1.394
1,3-Dichloropropane	1.00	8849	0.4158	2.00	17784	0.4114
2,2-Dichloropropane	1.00	9151	0.3045	2.00	18901	0.3184
2-Butanone	NA	NA	NA	NA	NA	NA
2-Chloroethyl Vinyl Ether	1.00	2450	0.08150	2.00	5623	0.09470
2-Chlorotoluene	1.00	26289	2.322	2.00	54641	2.414
2-Hexanone	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	1.00	23447	2.071	2.00	47044	2.078
4-Methyl-2-Pentanone	NA	NA	NA	NA	NA	NA
Acetone	NA	NA	NA	NA	NA	NA
Benzene	1.00	26882	0.8945	2.00	55142	0.9288
Bromobenzene	1.00	7910	0.6988	2.00	16358	0.7227
Bromochloromethane	1.00	3402	0.1132	2.00	7322	0.1233
Bromodichloromethane	1.00	8768	0.2918	2.00	17682	0.2978
Bromomethane	1.00	3264	0.1086	2.00	6785	0.1143
Carbon Disulfide	1.00	22768	0.7576	2.00	42884	0.7223

Login Number: L0505337
 Analytical Method: 8260B

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	WG187632-06			WG187632-07		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	5.00	34386	0.2306	20.0	146670	0.2463
1,2-Dichloropropane	5.00	36490	0.2447	20.0	151286	0.2540
1,4-Dichlorobenzene	5.00	83847	1.497	20.0	333555	1.493
Chloroform	5.00	77308	0.5184	20.0	309551	0.5198
Ethylbenzene	5.00	57042	0.5293	20.0	231885	0.5437
Hexachlorobutadiene	5.00	25970	0.4638	20.0	108179	0.4840
Toluene	5.00	151483	1.406	20.0	608912	1.428
Vinyl Chloride	5.00	27588	0.1850	20.0	116860	0.1962
1,1,2,2-Tetrachloroethane	5.00	27073	0.4835	20.0	109335	0.4892
1,1-Dichloroethane	5.00	72935	0.4891	20.0	302171	0.5074
Bromoform	5.00	11485	0.1066	20.0	63767	0.1495
Chlorobenzene	5.00	98462	0.9137	20.0	398476	0.9343
Chloromethane	5.00	32918	0.2207	20.0	143990	0.2418
1,1,1,2-Tetrachloroethane	5.00	30919	0.2869	20.0	139289	0.3266
1,1,1-Trichloroethane	5.00	61569	0.4129	20.0	265086	0.4451
1,1,2-Trichloroethane	5.00	27246	0.2528	20.0	110084	0.2581
1,1-Dichloropropene	5.00	56176	0.3767	20.0	232378	0.3902
1,2,3-Trichlorobenzene	5.00	39904	0.7126	20.0	161494	0.7226
1,2,3-Trichloropropane	5.00	8720	0.1557	20.0	38069	0.1703
1,2,4-Trichlorobenzene	5.00	49960	0.8922	20.0	204691	0.9159
1,2,4-Trimethylbenzene	5.00	153421	2.740	20.0	620860	2.778
1,2-Dibromo-3-Chloropropane	5.00	3342	0.05970	20.0	17669	0.07910
1,2-Dibromoethane	5.00	27017	0.2507	20.0	116663	0.2735
1,2-Dichlorobenzene	5.00	71454	1.276	20.0	293129	1.312
1,2-Dichloroethane	5.00	56318	0.3777	20.0	224196	0.3764
1,3,5-Trimethylbenzene	5.00	146433	2.615	20.0	605476	2.709
1,3-Dichlorobenzene	5.00	80257	1.433	20.0	326918	1.463
1,3-Dichloropropane	5.00	47807	0.4436	20.0	195231	0.4577
2,2-Dichloropropane	5.00	53212	0.3568	20.0	230107	0.3864
2-Butanone	5.00	8927	0.05990	20.0	36226	0.06080
2-Chloroethyl Vinyl Ether	5.00	13672	0.09170	20.0	55575	0.09330
2-Chlorotoluene	5.00	145636	2.601	20.0	575091	2.573
2-Hexanone	5.00	15344	0.1424	20.0	59061	0.1385
4-Chlorotoluene	5.00	122237	2.183	20.0	509196	2.278
4-Methyl-2-Pentanone	5.00	7919	0.05310	20.0	32275	0.05420
Acetone	5.00	6428	0.04310	20.0	26118	0.04390
Benzene	5.00	145129	0.9732	20.0	591567	0.9933
Bromobenzene	5.00	43238	0.7722	20.0	172405	0.7714
Bromochloromethane	5.00	19602	0.1315	20.0	77375	0.1299
Bromodichloromethane	5.00	47849	0.3209	20.0	208550	0.3502
Bromomethane	5.00	18193	0.1220	20.0	84124	0.1413
Carbon Disulfide	5.00	107095	0.7182	20.0	467559	0.7851

Login Number: L0505337
 Analytical Method: 8260B

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	WG187632-08			WG187632-09		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	50.0	371474	0.2438	100	721551	0.2386
1,2-Dichloropropane	50.0	382961	0.2514	100	747192	0.2471
1,4-Dichlorobenzene	50.0	819513	1.440	100	1581401	1.387
Chloroform	50.0	776327	0.5095	100	1513385	0.5005
Ethylbenzene	50.0	576243	0.5294	100	1108098	0.5010
Hexachlorobutadiene	50.0	271555	0.4771	100	545424	0.4785
Toluene	50.0	1542741	1.417	100	3021398	1.366
Vinyl Chloride	50.0	281665	0.1849	100	535548	0.1771
1,1,2,2-Tetrachloroethane	50.0	273031	0.4797	100	527065	0.4624
1,1-Dichloroethane	50.0	755221	0.4957	100	1469955	0.4861
Bromoform	50.0	185879	0.1708	100	385553	0.1743
Chlorobenzene	50.0	999125	0.9178	100	1933303	0.8741
Chloromethane	50.0	363469	0.2386	100	705914	0.2334
1,1,1,2-Tetrachloroethane	50.0	363277	0.3337	100	708864	0.3205
1,1,1-Trichloroethane	50.0	686597	0.4506	100	1357112	0.4488
1,1,2-Trichloroethane	50.0	276135	0.2537	100	539358	0.2439
1,1-Dichloropropene	50.0	578594	0.3798	100	1124198	0.3718
1,2,3-Trichlorobenzene	50.0	395678	0.6952	100	779345	0.6837
1,2,3-Trichloropropane	50.0	94539	0.1661	100	183906	0.1613
1,2,4-Trichlorobenzene	50.0	505359	0.8879	100	999090	0.8765
1,2,4-Trimethylbenzene	50.0	1539056	2.704	100	2992078	2.625
1,2-Dibromo-3-Chloropropane	50.0	49502	0.08700	100	99530	0.08730
1,2-Dibromoethane	50.0	292620	0.2688	100	576203	0.2605
1,2-Dichlorobenzene	50.0	721596	1.268	100	1406477	1.234
1,2-Dichloroethane	50.0	557709	0.3660	100	1075135	0.3555
1,3,5-Trimethylbenzene	50.0	1504515	2.643	100	2923366	2.565
1,3-Dichlorobenzene	50.0	804344	1.413	100	1569303	1.377
1,3-Dichloropropane	50.0	486158	0.4466	100	942195	0.4260
2,2-Dichloropropane	50.0	610273	0.4005	100	1217455	0.4026
2-Butanone	50.0	93920	0.06160	100	184615	0.06110
2-Chloroethyl Vinyl Ether	50.0	131260	0.08620	100	241232	0.07980
2-Chlorotoluene	50.0	1417489	2.490	100	2818972	2.473
2-Hexanone	50.0	148271	0.1362	100	288385	0.1304
4-Chlorotoluene	50.0	1274782	2.240	100	2450588	2.150
4-Methyl-2-Pentanone	50.0	83641	0.05490	100	165083	0.05460
Acetone	50.0	65581	0.04300	100	130817	0.04330
Benzene	50.0	1477773	0.9699	100	2881697	0.9529
Bromobenzene	50.0	423382	0.7438	100	832351	0.7302
Bromochloromethane	50.0	193330	0.1269	100	365431	0.1208
Bromodichloromethane	50.0	546185	0.3585	100	1098570	0.3633
Bromomethane	50.0	221504	0.1454	100	411885	0.1362
Carbon Disulfide	50.0	1165181	0.7648	100	2277381	0.7531

Login Number: L0505337
 Analytical Method: 8260B

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	WG187632-10		
	CONC	RESP	RF
1,1-Dichloroethene	200	1389464	0.2328
1,2-Dichloropropane	200	1415219	0.2371
1,4-Dichlorobenzene	200	2926643	1.329
Chloroform	200	2867277	0.4804
Ethylbenzene	200	2036572	0.4745
Hexachlorobutadiene	200	1049148	0.4766
Toluene	200	5667972	1.321
Vinyl Chloride	200	950055	0.1592
1,1,2,2-Tetrachloroethane	200	982125	0.4461
1,1-Dichloroethane	200	2833930	0.4748
Bromoform	200	711670	0.1658
Chlorobenzene	200	3548899	0.8269
Chloromethane	200	1285483	0.2154
1,1,1,2-Tetrachloroethane	200	1242830	0.2896
1,1,1-Trichloroethane	200	2549431	0.4272
1,1,2-Trichloroethane	200	988455	0.2303
1,1-Dichloropropene	200	2134275	0.3576
1,2,3-Trichlorobenzene	200	1444399	0.6561
1,2,3-Trichloropropane	200	339429	0.1542
1,2,4-Trichlorobenzene	200	1870717	0.8497
1,2,4-Trimethylbenzene	200	5520689	2.508
1,2-Dibromo-3-Chloropropane	200	195470	0.08880
1,2-Dibromoethane	200	1051581	0.2450
1,2-Dichlorobenzene	200	2604803	1.183
1,2-Dichloroethane	200	1983904	0.3324
1,3,5-Trimethylbenzene	200	5390117	2.448
1,3-Dichlorobenzene	200	2918398	1.326
1,3-Dichloropropane	200	1736155	0.4045
2,2-Dichloropropane	200	2367804	0.3967
2-Butanone	200	341754	0.05730
2-Chloroethyl Vinyl Ether	200	414974	0.06950
2-Chlorotoluene	200	5113912	2.323
2-Hexanone	200	504416	0.1175
4-Chlorotoluene	200	4593693	2.087
4-Methyl-2-Pentanone	200	298302	0.05000
Acetone	200	242100	0.04060
Benzene	200	5419288	0.9080
Bromobenzene	200	1522542	0.6916
Bromochloromethane	200	660310	0.1106
Bromodichloromethane	200	2074683	0.3476
Bromomethane	200	827190	0.1386
Carbon Disulfide	200	4335929	0.7265

Login Number: L0505337
 Analytical Method: 8260B

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	WG187632-02			WG187632-03		
	CONC	RESP	RF	CONC	RESP	RF
Carbon Tetrachloride	NA	NA	NA	0.400	2180	0.1804
Chloroethane	NA	NA	NA	0.400	1559	0.1290
Dibromochloromethane	NA	NA	NA	0.400	1825	0.2100
Dibromomethane	NA	NA	NA	0.400	1230	0.1018
Dichlorodifluoromethane	NA	NA	NA	0.400	2875	0.2380
Isopropylbenzene	NA	NA	NA	0.400	10944	1.259
Methylene Chloride	NA	NA	NA	0.400	3172	0.2625
Naphthalene	NA	NA	NA	0.400	6445	1.419
Styrene	NA	NA	NA	0.400	7771	0.8943
Tetrachloroethene	NA	NA	NA	0.400	2243	0.2581
Trichloroethene	NA	NA	NA	0.400	2746	0.2273
Trichlorofluoromethane	NA	NA	NA	0.400	4001	0.3312
Vinyl Acetate	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	NA	NA	NA	0.400	2441	0.2020
cis-1,3-Dichloropropene	NA	NA	NA	0.400	3568	0.2953
m-,p-Xylene	NA	NA	NA	0.800	10394	0.5981
n-Butylbenzene	NA	NA	NA	0.400	10344	2.277
n-Propylbenzene	NA	NA	NA	0.400	14323	3.153
o-Xylene	NA	NA	NA	0.400	4280	0.4925
p-Isopropyltoluene	NA	NA	NA	0.400	10674	2.350
sec-Butylbenzene	NA	NA	NA	0.400	13086	2.881
tert-Butylbenzene	NA	NA	NA	0.400	2333	0.5136
trans-1,2-Dichloroethene	NA	NA	NA	0.400	2604	0.2155
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane-d4	NA	NA	NA	NA	NA	NA
Dibromofluoromethane	NA	NA	NA	NA	NA	NA
Toluene-d8	NA	NA	NA	NA	NA	NA
p-Bromofluorobenzene	NA	NA	NA	NA	NA	NA

Login Number: L0505337
 Analytical Method: 8260B

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	WG187632-04			WG187632-05		
	CONC	RESP	RF	CONC	RESP	RF
Carbon Tetrachloride	1.00	7536	0.2508	2.00	14878	0.2506
Chloroethane	1.00	5358	0.1783	2.00	8954	0.1508
Dibromochloromethane	1.00	4112	0.1932	2.00	8914	0.2062
Dibromomethane	1.00	3597	0.1197	2.00	7419	0.1250
Dichlorodifluoromethane	1.00	9791	0.3258	2.00	19943	0.3359
Isopropylbenzene	1.00	27893	1.311	2.00	58250	1.347
Methylene Chloride	1.00	7305	0.2431	2.00	16062	0.2705
Naphthalene	1.00	12220	1.080	2.00	27654	1.222
Styrene	1.00	18942	0.8900	2.00	41370	0.9570
Tetrachloroethene	1.00	6504	0.3056	2.00	12642	0.2924
Trichloroethene	1.00	7620	0.2536	2.00	15569	0.2622
Trichlorofluoromethane	1.00	13501	0.4493	2.00	27484	0.4629
Vinyl Acetate	NA	NA	NA	2.00	16988	0.2861
cis-1,2-Dichloroethene	1.00	7819	0.2602	2.00	15738	0.2651
cis-1,3-Dichloropropene	1.00	9826	0.3270	2.00	18960	0.3193
m-,p-Xylene	2.00	25739	0.6046	4.00	52100	0.6026
n-Butylbenzene	1.00	24540	2.168	2.00	50918	2.249
n-Propylbenzene	1.00	35079	3.099	2.00	73217	3.235
o-Xylene	1.00	11876	0.5580	2.00	23944	0.5539
p-Isopropyltoluene	1.00	25934	2.291	2.00	53243	2.352
sec-Butylbenzene	1.00	31710	2.801	2.00	67956	3.002
tert-Butylbenzene	1.00	5028	0.4442	2.00	10591	0.4679
trans-1,2-Dichloroethene	1.00	7088	0.2359	2.00	13913	0.2343
trans-1,3-Dichloropropene	1.00	6851	0.3219	2.00	14837	0.3432
1,2-Dichloroethane-d4	0.500	4108	0.2734	1.00	7437	0.2505
Dibromofluoromethane	0.500	3823	0.2544	1.00	6133	0.2066
Toluene-d8	0.500	11907	1.119	1.00	21501	0.9947
p-Bromofluorobenzene	0.500	5128	0.9060	1.00	8606	0.7604

Login Number: L0505337
 Analytical Method: 8260B

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	WG187632-06			WG187632-07		
	CONC	RESP	RF	CONC	RESP	RF
Carbon Tetrachloride	5.00	42457	0.2847	20.0	194596	0.3267
Chloroethane	5.00	24410	0.1637	20.0	106187	0.1783
Dibromochloromethane	5.00	26714	0.2479	20.0	124715	0.2924
Dibromomethane	5.00	21237	0.1424	20.0	82428	0.1384
Dichlorodifluoromethane	5.00	51493	0.3453	20.0	224327	0.3767
Isopropylbenzene	5.00	154866	1.437	20.0	640209	1.501
Methylene Chloride	5.00	39101	0.2622	20.0	152505	0.2561
Naphthalene	5.00	76730	1.370	20.0	325969	1.459
Styrene	5.00	112532	1.044	20.0	464281	1.089
Tetrachloroethene	5.00	34142	0.3168	20.0	141195	0.3310
Trichloroethene	5.00	41229	0.2765	20.0	169733	0.2850
Trichlorofluoromethane	5.00	69001	0.4627	20.0	300515	0.5046
Vinyl Acetate	5.00	46083	0.3090	20.0	206342	0.3465
cis-1,2-Dichloroethene	5.00	40797	0.2736	20.0	169000	0.2838
cis-1,3-Dichloropropene	5.00	51801	0.3474	20.0	229200	0.3848
m-,p-Xylene	10.0	137149	0.6364	40.0	555352	0.6510
n-Butylbenzene	5.00	133684	2.387	20.0	555804	2.487
n-Propylbenzene	5.00	199131	3.556	20.0	815001	3.647
o-Xylene	5.00	67713	0.6284	20.0	270543	0.6343
p-Isopropyltoluene	5.00	146494	2.616	20.0	602875	2.698
sec-Butylbenzene	5.00	180782	3.229	20.0	738161	3.303
tert-Butylbenzene	5.00	29813	0.5324	20.0	118120	0.5285
trans-1,2-Dichloroethene	5.00	38330	0.2570	20.0	158180	0.2656
trans-1,3-Dichloropropene	5.00	43218	0.4011	20.0	192942	0.4524
1,2-Dichloroethane-d4	2.50	20242	0.2715	10.0	86676	0.2911
Dibromofluoromethane	2.50	16155	0.2167	10.0	76797	0.2579
Toluene-d8	2.50	58089	1.078	10.0	253905	1.191
p-Bromofluorobenzene	2.50	22811	0.8147	10.0	99728	0.8925

Login Number: L0505337
 Analytical Method: 8260B

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	WG187632-08			WG187632-09		
	CONC	RESP	RF	CONC	RESP	RF
Carbon Tetrachloride	50.0	545437	0.3580	100	1129290	0.3734
Chloroethane	50.0	263405	0.1729	100	523077	0.1730
Dibromochloromethane	50.0	342359	0.3145	100	700238	0.3166
Dibromomethane	50.0	205614	0.1350	100	403756	0.1335
Dichlorodifluoromethane	50.0	559838	0.3674	100	1065923	0.3525
Isopropylbenzene	50.0	1608110	1.477	100	3151065	1.425
Methylene Chloride	50.0	380698	0.2499	100	745057	0.2464
Naphthalene	50.0	802512	1.410	100	1581895	1.388
Styrene	50.0	1158497	1.064	100	2279026	1.030
Tetrachloroethene	50.0	351721	0.3231	100	684249	0.3094
Trichloroethene	50.0	424892	0.2789	100	833346	0.2756
Trichlorofluoromethane	50.0	752848	0.4941	100	1440144	0.4762
Vinyl Acetate	50.0	522971	0.3432	100	899875	0.2976
cis-1,2-Dichloroethene	50.0	429207	0.2817	100	833237	0.2755
cis-1,3-Dichloropropene	50.0	601967	0.3951	100	1183440	0.3914
m-,p-Xylene	100	1377794	0.6329	200	2649429	0.5990
n-Butylbenzene	50.0	1388322	2.439	100	2749127	2.412
n-Propylbenzene	50.0	2042259	3.588	100	3989214	3.500
o-Xylene	50.0	677262	0.6222	100	1334582	0.6034
p-Isopropyltoluene	50.0	1493874	2.625	100	2915407	2.558
sec-Butylbenzene	50.0	1843795	3.239	100	3619481	3.176
tert-Butylbenzene	50.0	293911	0.5164	100	563243	0.4942
trans-1,2-Dichloroethene	50.0	398885	0.2618	100	777389	0.2571
trans-1,3-Dichloropropene	50.0	501039	0.4603	100	990903	0.4480
1,2-Dichloroethane-d4	25.0	216634	0.2844	50.0	424760	0.2809
Dibromofluoromethane	25.0	189194	0.2484	50.0	370157	0.2448
Toluene-d8	25.0	634828	1.166	50.0	1262272	1.141
p-Bromofluorobenzene	25.0	252161	0.8861	50.0	497781	0.8734

Login Number: L0505337
 Analytical Method: 8260B

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	WG187632-10		
	CONC	RESP	RF
Carbon Tetrachloride	200	2203086	0.3691
Chloroethane	200	1001920	0.1679
Dibromochloromethane	200	1302931	0.3036
Dibromomethane	200	748206	0.1254
Dichlorodifluoromethane	200	1997222	0.3346
Isopropylbenzene	200	5863409	1.366
Methylene Chloride	200	1412184	0.2366
Naphthalene	200	2950278	1.340
Styrene	200	4224340	0.9842
Tetrachloroethene	200	1268436	0.2955
Trichloroethene	200	1564399	0.2621
Trichlorofluoromethane	200	2735015	0.4583
Vinyl Acetate	200	1513324	0.2536
cis-1,2-Dichloroethene	200	1592250	0.2668
cis-1,3-Dichloropropene	200	2228555	0.3734
m-,p-Xylene	400	4774092	0.5562
n-Butylbenzene	200	5214307	2.369
n-Propylbenzene	200	7374173	3.350
o-Xylene	200	2480311	0.5779
p-Isopropyltoluene	200	5432819	2.468
sec-Butylbenzene	200	6757695	3.070
tert-Butylbenzene	200	1051426	0.4776
trans-1,2-Dichloroethene	200	1496310	0.2507
trans-1,3-Dichloropropene	200	1826627	0.4256
1,2-Dichloroethane-d4	100	793624	0.2659
Dibromofluoromethane	100	703017	0.2356
Toluene-d8	100	2384526	1.111
p-Bromofluorobenzene	100	935965	0.8503

Login Number: L0505337
 Analytical Method: 8260B

Instrument ID: HPMS11
 Initial Calibration Date: 19-MAY-05

Analyte	WG189358-02			WG189358-03		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	NA	NA	NA	0.400	3486	0.2357
1,2-Dichloropropane	NA	NA	NA	0.400	4356	0.2946
Chloroform	0.300	4787	0.4314	0.400	7221	0.4883
Ethylbenzene	NA	NA	NA	0.400	6826	0.5989
Toluene	NA	NA	NA	0.400	16927	1.485
Vinyl Chloride	NA	NA	NA	0.400	3027	0.2047
1,1,2,2-Tetrachloroethane	NA	NA	NA	0.400	2120	0.3257
1,1-Dichloroethane	NA	NA	NA	0.400	8265	0.5589
Bromoform	NA	NA	NA	NA	NA	NA
Chlorobenzene	NA	NA	NA	0.400	12733	1.117
Chloromethane	NA	NA	NA	0.400	3975	0.2688
1,1,1,2-Tetrachloroethane	NA	NA	NA	0.400	3024	0.2653
1,1,1-Trichloroethane	NA	NA	NA	0.400	5461	0.3693
1,1,2-Trichloroethane	NA	NA	NA	0.400	2156	0.1892
1,1-Dichloropropene	NA	NA	NA	0.400	5078	0.3434
1,2,3-Trichlorobenzene	0.300	3948	0.8108	0.400	5682	0.8730
1,2,3-Trichloropropane	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA	0.400	6847	1.052
1,2,4-Trimethylbenzene	NA	NA	NA	0.400	17566	2.699
1,2-Dibromo-3-Chloropropane	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	NA	NA	NA	0.400	2107	0.1849
1,2-Dichlorobenzene	0.300	6783	1.393	0.400	9683	1.488
1,2-Dichloroethane	NA	NA	NA	0.400	5279	0.3570
1,3,5-Trimethylbenzene	NA	NA	NA	0.400	15844	2.434
1,3-Dichlorobenzene	NA	NA	NA	0.400	10999	1.690
1,3-Dichloropropane	NA	NA	NA	0.400	4399	0.3859
1,4-Dichlorobenzene	0.300	8001	1.643	0.400	10728	1.648
2,2-Dichloropropane	NA	NA	NA	0.400	5907	0.3994
2-Butanone	NA	NA	NA	NA	NA	NA
2-Chloroethyl Vinyl Ether	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	NA	NA	NA	0.400	14534	2.233
2-Hexanone	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	NA	NA	NA	0.400	14708	2.260
4-Methyl-2-Pentanone	NA	NA	NA	NA	NA	NA
Acetone	NA	NA	NA	NA	NA	NA
Benzene	NA	NA	NA	0.400	18087	1.223
Bromobenzene	0.300	3608	0.7409	0.400	5203	0.7994
Bromochloromethane	NA	NA	NA	0.400	2141	0.1448
Bromodichloromethane	NA	NA	NA	0.400	3716	0.2513
Bromomethane	NA	NA	NA	0.400	3610	0.2441
Carbon Disulfide	NA	NA	NA	0.400	16585	1.122
Carbon Tetrachloride	NA	NA	NA	0.400	3893	0.2633

Login Number: L0505337
 Analytical Method: 8260B

Instrument ID: HPMS11
 Initial Calibration Date: 19-MAY-05

Analyte	WG189358-04			WG189358-05		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	1.00	10234	0.2730	2.00	21687	0.2833
1,2-Dichloropropane	1.00	10314	0.2751	2.00	21851	0.2855
Chloroform	1.00	19642	0.5239	2.00	41409	0.5410
Ethylbenzene	1.00	18561	0.6425	2.00	39426	0.6634
Toluene	1.00	43553	1.508	2.00	94043	1.582
Vinyl Chloride	1.00	7894	0.2106	2.00	15299	0.1999
1,1,2,2-Tetrachloroethane	1.00	5283	0.3136	2.00	11763	0.3464
1,1-Dichloroethane	1.00	20699	0.5521	2.00	43466	0.5679
Bromoform	1.00	2309	0.07990	2.00	5833	0.09810
Chlorobenzene	1.00	30224	1.046	2.00	66521	1.119
Chloromethane	1.00	9603	0.2561	2.00	17068	0.2230
1,1,1,2-Tetrachloroethane	1.00	8018	0.2775	2.00	19232	0.3236
1,1,1-Trichloroethane	1.00	15914	0.4245	2.00	36049	0.4710
1,1,2-Trichloroethane	1.00	5131	0.1776	2.00	12778	0.2150
1,1-Dichloropropene	1.00	15034	0.4010	2.00	34702	0.4534
1,2,3-Trichlorobenzene	1.00	13217	0.7844	2.00	29686	0.8742
1,2,3-Trichloropropane	1.00	1481	0.08790	2.00	3828	0.1127
1,2,4-Trichlorobenzene	1.00	17465	1.037	2.00	36519	1.075
1,2,4-Trimethylbenzene	1.00	43496	2.582	2.00	100243	2.952
1,2-Dibromo-3-Chloropropane	NA	NA	NA	2.00	1734	0.05110
1,2-Dibromoethane	1.00	5357	0.1854	2.00	11948	0.2010
1,2-Dichlorobenzene	1.00	22652	1.344	2.00	48646	1.433
1,2-Dichloroethane	1.00	11858	0.3163	2.00	25940	0.3389
1,3,5-Trimethylbenzene	1.00	42350	2.514	2.00	95986	2.827
1,3-Dichlorobenzene	1.00	26990	1.602	2.00	58198	1.714
1,3-Dichloropropane	1.00	10650	0.3686	2.00	23695	0.3987
1,4-Dichlorobenzene	1.00	27092	1.608	2.00	58074	1.710
2,2-Dichloropropane	1.00	17038	0.4544	2.00	37507	0.4900
2-Butanone	NA	NA	NA	NA	NA	NA
2-Chloroethyl Vinyl Ether	1.00	2596	0.06920	2.00	6314	0.08250
2-Chlorotoluene	1.00	35855	2.128	2.00	78503	2.312
2-Hexanone	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	1.00	36451	2.163	2.00	79651	2.346
4-Methyl-2-Pentanone	NA	NA	NA	NA	NA	NA
Acetone	NA	NA	NA	NA	NA	NA
Benzene	1.00	44185	1.179	2.00	97453	1.273
Bromobenzene	1.00	12648	0.7507	2.00	27378	0.8062
Bromochloromethane	1.00	5535	0.1476	2.00	11659	0.1523
Bromodichloromethane	1.00	9854	0.2628	2.00	21798	0.2848
Bromomethane	1.00	9228	0.2461	2.00	18696	0.2443
Carbon Disulfide	1.00	39444	1.052	2.00	77293	1.010
Carbon Tetrachloride	1.00	13180	0.3515	2.00	30146	0.3939

Login Number: L0505337
 Analytical Method: 8260B

Instrument ID: HPMS11
 Initial Calibration Date: 19-MAY-05

Analyte	WG189358-06			WG189358-07		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	5.00	54011	0.2790	20.0	239176	0.3004
1,2-Dichloropropane	5.00	56699	0.2929	20.0	244571	0.3072
Chloroform	5.00	102056	0.5272	20.0	446623	0.5610
Ethylbenzene	5.00	98642	0.6555	20.0	441135	0.7023
Toluene	5.00	245113	1.629	20.0	1085832	1.729
Vinyl Chloride	5.00	37107	0.1917	20.0	149738	0.1881
1,1,2,2-Tetrachloroethane	5.00	31306	0.3625	20.0	145342	0.4018
1,1-Dichloroethane	5.00	108783	0.5619	20.0	483042	0.6067
Bromoform	5.00	16597	0.1103	20.0	91741	0.1461
Chlorobenzene	5.00	169166	1.124	20.0	751834	1.197
Chloromethane	5.00	40330	0.2083	20.0	160008	0.2010
1,1,1,2-Tetrachloroethane	5.00	50445	0.3352	20.0	246962	0.3932
1,1,1-Trichloroethane	5.00	93400	0.4825	20.0	414702	0.5209
1,1,2-Trichloroethane	5.00	29977	0.1992	20.0	138042	0.2198
1,1-Dichloropropene	5.00	84809	0.4381	20.0	380139	0.4775
1,2,3-Trichlorobenzene	5.00	71979	0.8335	20.0	332065	0.9181
1,2,3-Trichloropropane	5.00	9289	0.1076	20.0	44909	0.1242
1,2,4-Trichlorobenzene	5.00	91187	1.056	20.0	411761	1.138
1,2,4-Trimethylbenzene	5.00	254376	2.946	20.0	1155804	3.195
1,2-Dibromo-3-Chloropropane	5.00	4122	0.04770	20.0	22142	0.06120
1,2-Dibromoethane	5.00	29938	0.1989	20.0	141153	0.2247
1,2-Dichlorobenzene	5.00	120902	1.400	20.0	542645	1.500
1,2-Dichloroethane	5.00	66058	0.3412	20.0	294264	0.3696
1,3,5-Trimethylbenzene	5.00	247065	2.861	20.0	1122972	3.105
1,3-Dichlorobenzene	5.00	146193	1.693	20.0	658438	1.820
1,3-Dichloropropane	5.00	57978	0.3852	20.0	267757	0.4263
1,4-Dichlorobenzene	5.00	145703	1.687	20.0	655188	1.811
2,2-Dichloropropane	5.00	95898	0.4954	20.0	435617	0.5471
2-Butanone	5.00	7759	0.04010	20.0	35741	0.04490
2-Chloroethyl Vinyl Ether	5.00	18390	0.09500	20.0	86756	0.1090
2-Chlorotoluene	5.00	200954	2.327	20.0	906316	2.506
2-Hexanone	5.00	12376	0.08220	20.0	59299	0.09440
4-Chlorotoluene	5.00	186151	2.156	20.0	820278	2.268
4-Methyl-2-Pentanone	5.00	7832	0.04050	20.0	37006	0.04650
Acetone	5.00	7078	0.03660	20.0	22890	0.02880
Benzene	5.00	244118	1.261	20.0	1060116	1.332
Bromobenzene	5.00	69403	0.8037	20.0	306359	0.8470
Bromochloromethane	5.00	30801	0.1591	20.0	136635	0.1716
Bromodichloromethane	5.00	55904	0.2888	20.0	265931	0.3340
Bromomethane	5.00	47074	0.2432	20.0	195759	0.2459
Carbon Disulfide	5.00	188051	0.9714	20.0	858710	1.079
Carbon Tetrachloride	5.00	77543	0.4006	20.0	369994	0.4647

Login Number: L0505337
 Analytical Method: 8260B

Instrument ID: HPMS11
 Initial Calibration Date: 19-MAY-05

Analyte	WG189358-08			WG189358-09		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	50.0	634236	0.3072	100	1154335	0.3023
1,2-Dichloropropane	50.0	620887	0.3007	100	1151299	0.3015
Chloroform	50.0	1151650	0.5577	100	2131783	0.5583
Ethylbenzene	50.0	1114251	0.7097	100	2000820	0.6629
Toluene	50.0	2801556	1.785	100	5225897	1.731
Vinyl Chloride	50.0	407520	0.1974	100	760754	0.1992
1,1,2,2-Tetrachloroethane	50.0	327870	0.3674	100	638827	0.3680
1,1-Dichloroethane	50.0	1258634	0.6095	100	2307179	0.6042
Bromoform	50.0	239667	0.1527	100	483507	0.1602
Chlorobenzene	50.0	1846797	1.176	100	3353323	1.111
Chloromethane	50.0	414054	0.2005	100	790168	0.2069
1,1,1,2-Tetrachloroethane	50.0	619200	0.3944	100	1149818	0.3809
1,1,1-Trichloroethane	50.0	1098751	0.5321	100	2058267	0.5390
1,1,2-Trichloroethane	50.0	326600	0.2080	100	633894	0.2100
1,1-Dichloropropene	50.0	998677	0.4837	100	1865349	0.4885
1,2,3-Trichlorobenzene	50.0	738797	0.8278	100	1444245	0.8321
1,2,3-Trichloropropane	50.0	100181	0.1122	100	197413	0.1137
1,2,4-Trichlorobenzene	50.0	958903	1.074	100	1845525	1.063
1,2,4-Trimethylbenzene	50.0	2955076	3.311	100	5620666	3.238
1,2-Dibromo-3-Chloropropane	50.0	51195	0.05740	100	101383	0.05840
1,2-Dibromoethane	50.0	333988	0.2127	100	646322	0.2141
1,2-Dichlorobenzene	50.0	1312539	1.471	100	2523890	1.454
1,2-Dichloroethane	50.0	711060	0.3444	100	1363458	0.3570
1,3,5-Trimethylbenzene	50.0	2898839	3.248	100	5489160	3.163
1,3-Dichlorobenzene	50.0	1634092	1.831	100	3089219	1.780
1,3-Dichloropropane	50.0	630710	0.4017	100	1221521	0.4047
1,4-Dichlorobenzene	50.0	1600306	1.793	100	3039317	1.751
2,2-Dichloropropane	50.0	1170584	0.5669	100	2134122	0.5589
2-Butanone	50.0	69685	0.03370	100	139775	0.03660
2-Chloroethyl Vinyl Ether	50.0	205034	0.09930	100	397624	0.1041
2-Chlorotoluene	50.0	2476274	2.775	100	4331387	2.496
2-Hexanone	50.0	127962	0.08150	100	259272	0.08590
4-Chlorotoluene	50.0	2172301	2.434	100	3979155	2.293
4-Methyl-2-Pentanone	50.0	80552	0.03900	100	159298	0.04170
Acetone	50.0	41063	0.01990	100	78359	0.02050
Benzene	50.0	2734723	1.324	100	5046370	1.322
Bromobenzene	50.0	747956	0.8380	100	1413561	0.8144
Bromochloromethane	50.0	333304	0.1614	100	629204	0.1648
Bromodichloromethane	50.0	682724	0.3306	100	1294557	0.3390
Bromomethane	50.0	505749	0.2449	100	929426	0.2434
Carbon Disulfide	50.0	2244868	1.087	100	4185414	1.096
Carbon Tetrachloride	50.0	1005980	0.4872	100	1884118	0.4934

Login Number: L0505337
 Analytical Method: 8260B

Instrument ID: HPMS11
 Initial Calibration Date: 19-MAY-05

Analyte	WG189358-10		
	CONC	RESP	RF
1,1-Dichloroethene	200	2295387	0.2929
1,2-Dichloropropane	200	2250493	0.2872
Chloroform	200	4301408	0.5490
Ethylbenzene	200	3528987	0.5721
Toluene	200	10014153	1.624
Vinyl Chloride	200	1377676	0.1758
1,1,2,2-Tetrachloroethane	200	1275124	0.3626
1,1-Dichloroethane	200	4547319	0.5803
Bromoform	200	1035190	0.1678
Chlorobenzene	200	5961664	0.9665
Chloromethane	200	1552870	0.1982
1,1,1,2-Tetrachloroethane	200	2119653	0.3436
1,1,1-Trichloroethane	200	4143098	0.5287
1,1,2-Trichloroethane	200	1278263	0.2072
1,1-Dichloropropene	200	3630976	0.4634
1,2,3-Trichlorobenzene	200	2814163	0.8001
1,2,3-Trichloropropane	200	398348	0.1133
1,2,4-Trichlorobenzene	200	3540396	1.007
1,2,4-Trimethylbenzene	200	10671884	3.034
1,2-Dibromo-3-Chloropropane	200	208251	0.05920
1,2-Dibromoethane	200	1323863	0.2146
1,2-Dichlorobenzene	200	4944658	1.406
1,2-Dichloroethane	200	2670095	0.3408
1,3,5-Trimethylbenzene	200	10354611	2.944
1,3-Dichlorobenzene	200	5979496	1.700
1,3-Dichloropropane	200	2460328	0.3989
1,4-Dichlorobenzene	200	5888034	1.674
2,2-Dichloropropane	200	4284229	0.5468
2-Butanone	200	287572	0.03670
2-Chloroethyl Vinyl Ether	200	813442	0.1038
2-Chlorotoluene	200	8244113	2.344
2-Hexanone	200	508067	0.08240
4-Chlorotoluene	200	7627204	2.169
4-Methyl-2-Pentanone	200	319402	0.04080
Acetone	200	167056	0.02130
Benzene	200	9685486	1.236
Bromobenzene	200	2729043	0.7759
Bromochloromethane	200	1246963	0.1591
Bromodichloromethane	200	2676882	0.3416
Bromomethane	200	1930180	0.2463
Carbon Disulfide	200	8154703	1.041
Carbon Tetrachloride	200	3875496	0.4946

Login Number: L0505337
 Analytical Method: 8260B

Instrument ID: HPMS11
 Initial Calibration Date: 19-MAY-05

Analyte	WG189358-02			WG189358-03		
	CONC	RESP	RF	CONC	RESP	RF
Chloroethane	NA	NA	NA	0.400	3203	0.2166
Dibromochloromethane	NA	NA	NA	0.400	1901	0.1668
Dibromomethane	NA	NA	NA	0.400	1980	0.1339
Dichlorodifluoromethane	NA	NA	NA	0.400	4373	0.2957
Hexachlorobutadiene	NA	NA	NA	0.400	2481	0.3812
Isopropylbenzene	NA	NA	NA	0.400	18750	1.645
Methylene Chloride	NA	NA	NA	0.400	4578	0.3096
Naphthalene	NA	NA	NA	0.400	9203	1.414
Styrene	NA	NA	NA	0.400	11654	1.023
Tetrachloroethene	NA	NA	NA	0.400	3523	0.3091
Trichloroethene	NA	NA	NA	0.400	4600	0.3111
Trichlorofluoromethane	NA	NA	NA	0.400	7417	0.5016
Vinyl Acetate	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	NA	NA	NA	0.400	4407	0.2980
cis-1,3-Dichloropropene	NA	NA	NA	0.400	4895	0.3310
m-,p-Xylene	NA	NA	NA	0.800	16804	0.7371
n-Butylbenzene	NA	NA	NA	0.400	14342	2.204
n-Propylbenzene	NA	NA	NA	0.400	21240	3.263
o-Xylene	NA	NA	NA	0.400	7436	0.6524
p-Isopropyltoluene	NA	NA	NA	0.400	16168	2.484
sec-Butylbenzene	NA	NA	NA	0.400	19309	2.967
tert-Butylbenzene	NA	NA	NA	0.400	3608	0.5543
trans-1,2-Dichloroethene	NA	NA	NA	0.400	4613	0.3119
trans-1,3-Dichloropropene	NA	NA	NA	0.400	3863	0.3389
1,2-Dichloroethane-d4	NA	NA	NA	NA	NA	NA
Dibromofluoromethane	NA	NA	NA	NA	NA	NA
Toluene-d8	NA	NA	NA	NA	NA	NA
p-Bromofluorobenzene	NA	NA	NA	NA	NA	NA

Login Number: L0505337
 Analytical Method: 8260B

Instrument ID: HPMS11
 Initial Calibration Date: 19-MAY-05

Analyte	WG189358-04			WG189358-05		
	CONC	RESP	RF	CONC	RESP	RF
Chloroethane	1.00	8730	0.2329	2.00	17540	0.2292
Dibromochloromethane	1.00	5285	0.1829	2.00	11925	0.2007
Dibromomethane	1.00	4276	0.1141	2.00	9441	0.1233
Dichlorodifluoromethane	1.00	13314	0.3551	2.00	26126	0.3413
Hexachlorobutadiene	1.00	6771	0.4019	2.00	14796	0.4357
Isopropylbenzene	1.00	52482	1.817	2.00	115838	1.949
Methylene Chloride	1.00	11513	0.3071	2.00	22486	0.2938
Naphthalene	1.00	20247	1.202	2.00	44930	1.323
Styrene	1.00	30124	1.043	2.00	69355	1.167
Tetrachloroethene	1.00	10012	0.3466	2.00	22855	0.3846
Trichloroethene	1.00	11626	0.3101	2.00	25379	0.3316
Trichlorofluoromethane	1.00	22763	0.6071	2.00	44312	0.5789
Vinyl Acetate	1.00	10633	0.2836	2.00	22247	0.2907
cis-1,2-Dichloroethene	1.00	11093	0.2959	2.00	23461	0.3065
cis-1,3-Dichloropropene	1.00	12622	0.3367	2.00	28929	0.3780
m-,p-Xylene	2.00	43543	0.7536	4.00	96425	0.8112
n-Butylbenzene	1.00	40404	2.398	2.00	88830	2.616
n-Propylbenzene	1.00	60306	3.579	2.00	130218	3.835
o-Xylene	1.00	20097	0.6956	2.00	44124	0.7424
p-Isopropyltoluene	1.00	46986	2.789	2.00	100807	2.969
sec-Butylbenzene	1.00	54432	3.231	2.00	120438	3.547
tert-Butylbenzene	1.00	10196	0.6051	2.00	22817	0.6719
trans-1,2-Dichloroethene	1.00	10716	0.2858	2.00	24272	0.3171
trans-1,3-Dichloropropene	1.00	9673	0.3348	2.00	20819	0.3503
1,2-Dichloroethane-d4	0.500	4200	0.2240	1.00	9321	0.2436
Dibromofluoromethane	0.500	4832	0.2578	1.00	8740	0.2284
Toluene-d8	0.500	16917	1.171	1.00	28592	0.9622
p-Bromofluorobenzene	0.500	7848	0.9316	1.00	13648	0.8038

Login Number: L0505337
 Analytical Method: 8260B

Instrument ID: HPMS11
 Initial Calibration Date: 19-MAY-05

Analyte	WG189358-06			WG189358-07		
	CONC	RESP	RF	CONC	RESP	RF
Chloroethane	5.00	45961	0.2374	20.0	188858	0.2372
Dibromochloromethane	5.00	32260	0.2144	20.0	170507	0.2715
Dibromomethane	5.00	23253	0.1201	20.0	103457	0.1299
Dichlorodifluoromethane	5.00	69864	0.3609	20.0	285207	0.3582
Hexachlorobutadiene	5.00	37536	0.4347	20.0	166814	0.4612
Isopropylbenzene	5.00	290477	1.930	20.0	1316538	2.096
Methylene Chloride	5.00	54111	0.2795	20.0	235611	0.2959
Naphthalene	5.00	115618	1.339	20.0	547626	1.514
Styrene	5.00	183622	1.220	20.0	854018	1.360
Tetrachloroethene	5.00	57426	0.3816	20.0	245096	0.3902
Trichloroethene	5.00	64361	0.3325	20.0	287294	0.3609
Trichlorofluoromethane	5.00	114218	0.5900	20.0	482448	0.6060
Vinyl Acetate	5.00	59471	0.3072	20.0	275223	0.3457
cis-1,2-Dichloroethene	5.00	61774	0.3191	20.0	269742	0.3388
cis-1,3-Dichloropropene	5.00	76026	0.3927	20.0	359842	0.4520
m-,p-Xylene	10.0	247645	0.8228	40.0	1085339	0.8640
n-Butylbenzene	5.00	229685	2.660	20.0	1030507	2.849
n-Propylbenzene	5.00	339828	3.935	20.0	1519654	4.201
o-Xylene	5.00	115751	0.7691	20.0	521137	0.8297
p-Isopropyltoluene	5.00	258465	2.993	20.0	1177739	3.256
sec-Butylbenzene	5.00	313021	3.625	20.0	1414884	3.912
tert-Butylbenzene	5.00	58240	0.6744	20.0	260206	0.7194
trans-1,2-Dichloroethene	5.00	59045	0.3050	20.0	262084	0.3292
trans-1,3-Dichloropropene	5.00	59390	0.3946	20.0	286260	0.4557
1,2-Dichloroethane-d4	2.50	25051	0.2588	10.0	109926	0.2761
Dibromofluoromethane	2.50	27173	0.2807	10.0	121242	0.3046
Toluene-d8	2.50	92055	1.223	10.0	419832	1.337
p-Bromofluorobenzene	2.50	37616	0.8712	10.0	165413	0.9146

Login Number: L0505337
 Analytical Method: 8260B

Instrument ID: HPMS11
 Initial Calibration Date: 19-MAY-05

Analyte	WG189358-08			WG189358-09		
	CONC	RESP	RF	CONC	RESP	RF
Chloroethane	50.0	504664	0.2444	100	905191	0.2370
Dibromochloromethane	50.0	430835	0.2744	100	851474	0.2821
Dibromomethane	50.0	246211	0.1192	100	477377	0.1250
Dichlorodifluoromethane	50.0	766981	0.3714	100	1368398	0.3583
Hexachlorobutadiene	50.0	430793	0.4827	100	830287	0.4784
Isopropylbenzene	50.0	3413481	2.174	100	6400943	2.121
Methylene Chloride	50.0	603682	0.2924	100	1108323	0.2902
Naphthalene	50.0	1205208	1.350	100	2394549	1.380
Styrene	50.0	2135512	1.360	100	4037322	1.338
Tetrachloroethene	50.0	642757	0.4094	100	1204593	0.3991
Trichloroethene	50.0	741729	0.3592	100	1383307	0.3622
Trichlorofluoromethane	50.0	1281163	0.6205	100	2334396	0.6113
Vinyl Acetate	50.0	679571	0.3291	100	1276264	0.3342
cis-1,2-Dichloroethene	50.0	699263	0.3386	100	1283638	0.3361
cis-1,3-Dichloropropene	50.0	905049	0.4383	100	1706426	0.4469
m-,p-Xylene	100	2760252	0.8791	200	4940318	0.8184
n-Butylbenzene	50.0	2683542	3.007	100	5100121	2.938
n-Propylbenzene	50.0	3941736	4.416	100	7333292	4.225
o-Xylene	50.0	1321741	0.8419	100	2451074	0.8120
p-Isopropyltoluene	50.0	3069300	3.439	100	5790882	3.336
sec-Butylbenzene	50.0	3651621	4.091	100	6884304	3.966
tert-Butylbenzene	50.0	660946	0.7405	100	1241309	0.7152
trans-1,2-Dichloroethene	50.0	693854	0.3360	100	1259300	0.3298
trans-1,3-Dichloropropene	50.0	703195	0.4479	100	1354711	0.4488
1,2-Dichloroethane-d4	25.0	263477	0.2552	50.0	504215	0.2641
Dibromofluoromethane	25.0	306941	0.2973	50.0	564108	0.2954
Toluene-d8	25.0	1064724	1.356	50.0	1953082	1.294
p-Bromofluorobenzene	25.0	398257	0.8924	50.0	757429	0.8728

Login Number: L0505337
 Analytical Method: 8260B

Instrument ID: HPMS11
 Initial Calibration Date: 19-MAY-05

Analyte	WG189358-10		
	CONC	RESP	RF
Chloroethane	200	1807916	0.2307
Dibromochloromethane	200	1795306	0.2911
Dibromomethane	200	950196	0.1213
Dichlorodifluoromethane	200	2654195	0.3387
Hexachlorobutadiene	200	1676509	0.4767
Isopropylbenzene	200	12156282	1.971
Methylene Chloride	200	2229838	0.2846
Naphthalene	200	4763401	1.354
Styrene	200	7635511	1.238
Tetrachloroethene	200	2334584	0.3785
Trichloroethene	200	2703870	0.3451
Trichlorofluoromethane	200	4666876	0.5956
Vinyl Acetate	200	2345028	0.2993
cis-1,2-Dichloroethene	200	2557530	0.3264
cis-1,3-Dichloropropene	200	3439993	0.4390
m-,p-Xylene	400	8693535	0.7047
n-Butylbenzene	200	9590658	2.727
n-Propylbenzene	200	13432834	3.819
o-Xylene	200	4668855	0.7569
p-Isopropyltoluene	200	10980606	3.122
sec-Butylbenzene	200	12888037	3.664
tert-Butylbenzene	200	2360951	0.6713
trans-1,2-Dichloroethene	200	2485660	0.3172
trans-1,3-Dichloropropene	200	2754165	0.4465
1,2-Dichloroethane-d4	100	998668	0.2549
Dibromofluoromethane	100	1150065	0.2935
Toluene-d8	100	3936885	1.277
p-Bromofluorobenzene	100	1532066	0.8712

KEMRON Environmental Services
ALTERNATE SOURCE CALIBRATION REPORT

00094176

Login Number: L0505337	Run Date: 04/23/2005	Sample ID: WG187632-11
Instrument ID: HPMS10	Run Time: 18:10	Method: 8260B
File ID: 10M37443	Analyst: MES	
ICal Workgroup: WG187632	Cal ID: HPMS10 - 23-APR-05	

Analyte		Expected	Found	RF	%D	UNITS	Q
Chloroform	CCC	20	20.3	0.496	1.4	ug/L	
1,4-Dichlorobenzene	CCC	20	20.0	1.47	.1	ug/L	
1,1-Dichloroethene	CCC	20	20.4	0.228	2.2	ug/L	
1,2-Dichloropropane	CCC	20	20.7	0.246	3.4	ug/L	
Ethylbenzene	CCC	20	21.2	0.529	6.1	ug/L	
Hexachlorobutadiene	CCC	20	19.9	0.455	.7	ug/L	
Toluene	CCC	20	21.1	1.42	5.7	ug/L	
Vinyl Chloride	CCC	20	19.1	0.173	4.7	ug/L	
Bromoform	SPCC	20	17.6	0.143	12.1	ug/L	
Chlorobenzene	SPCC	20	20.8	0.929	4	ug/L	
Chloromethane	SPCC	20	18.7	0.216	6.6	ug/L	
1,1-Dichloroethane	SPCC	20	20.2	0.479	.8	ug/L	
1,1,2,2-Tetrachloroethane	SPCC	20	19.1	0.449	4.5	ug/L	
Acetone		20	22.3	0.0478	11.7	ug/L	
Benzene		20	20.8	0.970	4.2	ug/L	
Bromobenzene		20	20.9	0.759	4.4	ug/L	
Bromochloromethane		20	20.8	0.123	3.9	ug/L	
Bromodichloromethane		20	21.1	0.340	5.5	ug/L	
Bromomethane		20	19.6	0.127	2	ug/L	
2-Butanone		20	21.3	0.0639	6.3	ug/L	
n-Butylbenzene		20	20.5	2.41	2.6	ug/L	
sec-Butylbenzene		20	21.4	3.30	6.8	ug/L	
tert-Butylbenzene		20	20.9	0.519	4.4	ug/L	
Carbon Disulfide		20	21.8	0.820	9.2	ug/L	
Carbon Tetrachloride		20	18.7	0.331	6.5	ug/L	
Dibromochloromethane		20	18.8	0.288	6	ug/L	
Chloroethane		20	20.0	0.164	.2	ug/L	
2-Chloroethyl Vinyl Ether		20	21.9	0.0933	9.5	ug/L	
2-Chlorotoluene		20	20.8	2.55	4	ug/L	
4-Chlorotoluene		20	20.9	2.26	4.3	ug/L	
1,2-Dibromo-3-Chloropropane		20	19.0	0.0778	4.8	ug/L	
1,2-Dibromoethane		20	21.5	0.262	7.6	ug/L	
Dibromomethane		20	20.8	0.133	3.8	ug/L	
1,2-Dichlorobenzene		20	20.3	1.31	1.6	ug/L	
1,3-Dichlorobenzene		20	20.6	1.46	2.8	ug/L	
Dichlorodifluoromethane		20	20.8	0.349	4.2	ug/L	
1,2-Dichloroethane		20	19.7	0.350	1.3	ug/L	
cis-1,2-Dichloroethene		20	20.9	0.276	4.7	ug/L	
trans-1,2-Dichloroethene		20	21.1	0.260	5.3	ug/L	
1,3-Dichloropropane		20	20.1	0.429	.3	ug/L	
2,2-Dichloropropane		20	19.9	0.354	.6	ug/L	
cis-1,3-Dichloropropene		20	20.8	0.369	4.1	ug/L	

KEMRON FORMS - Modified 05/04/2005
Version 1.5 PDF File ID: 240328
Report generated 05/24/2005 13:46

KEMRON Environmental Services
ALTERNATE SOURCE CALIBRATION REPORT

00094177

Login Number: L0505337 Run Date: 04/23/2005 Sample ID: WG187632-11
Instrument ID: HPMS10 Run Time: 18:10 Method: 8260B
File ID: 10M37443 Analvst: MES
ICal Workgroup: WG187632 Cal ID: HPMS10 - 23-APR-05

Analyte	Expected	Found	RF	%D	UNITS	Q
trans-1,3-Dichloropropene	20	21.9	0.446	9.4	ug/L	
1,1-Dichloropropene	20	20.2	0.359	1	ug/L	
2-Hexanone	20	20.1	0.134	.6	ug/L	
Isopropylbenzene	20	22.1	1.54	10.7	ug/L	
p-Isopropyltoluene	20	21.2	2.65	6.1	ug/L	
4-Methyl-2-Pentanone	20	20.7	0.0551	3.3	ug/L	
Methylene Chloride	20	19.7	0.250	1.3	ug/L	
Naphthalene	20	21.1	1.41	5.4	ug/L	
n-Propylbenzene	20	21.0	3.55	4.8	ug/L	
Styrene	20	21.5	1.07	7.5	ug/L	
1,1,1,2-Tetrachloroethane	20	22.4	0.326	12	ug/L	
Tetrachloroethene	20	21.0	0.319	5	ug/L	
1,2,3-Trichlorobenzene	20	19.6	0.690	1.9	ug/L	
1,2,4-Trichlorobenzene	20	20.1	0.897	.6	ug/L	
1,1,1-Trichloroethane	20	21.1	0.429	5.6	ug/L	
1,1,2-Trichloroethane	20	20.4	0.249	2.1	ug/L	
Trichloroethene	20	21.7	0.288	8.6	ug/L	
Trichlorofluoromethane	20	20.8	0.473	3.9	ug/L	
1,2,3-Trichloropropane	20	20.7	0.161	3.6	ug/L	
1,2,4-Trimethylbenzene	20	20.7	2.71	3.4	ug/L	
1,3,5-Trimethylbenzene	20	21.4	2.65	7	ug/L	
Vinyl Acetate	20	16.1	0.247	19.5	ug/L	
o-Xylene	20	21.7	0.635	8.7	ug/L	
m-,p-Xylene	40	42.3	0.645	5.6	ug/L	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

KEMRON Environmental Services
ALTERNATE SOURCE CALIBRATION REPORT

00094178

Login Number: L0505337 Run Date: 05/19/2005 Sample ID: WG189358-11
Instrument ID: HPMS11 Run Time: 13:45 Method: 8260B
File ID: 11M27019 Analyst: CMS
ICal Workgroup: WG189358 Cal ID: HPMS11 - 19-MAY-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Chloroform	CCC	20	22.5	0.592	12.4	ug/L	
1,1-Dichloroethene	CCC	20	21.1	0.300	5.4	ug/L	
1,2-Dichloropropane	CCC	20	21.3	0.312	6.3	ug/L	
Ethylbenzene	CCC	20	22.0	0.716	10	ug/L	
Toluene	CCC	20	21.7	1.78	8.6	ug/L	
Vinyl Chloride	CCC	20	21.5	0.210	7.3	ug/L	
Bromoform	SPCC	20	17.9	0.131	10.7	ug/L	
Chlorobenzene	SPCC	20	21.8	1.21	9.2	ug/L	
Chloromethane	SPCC	20	20.9	0.231	4.6	ug/L	
1,1-Dichloroethane	SPCC	20	21.5	0.624	7.6	ug/L	
1,1,2,2-Tetrachloroethane	SPCC	20	20.9	0.372	4.4	ug/L	
Acetone		20	16.8	0.0202	16	ug/L	
Benzene		20	21.5	1.36	7.4	ug/L	
Bromobenzene		20	21.1	0.843	5.7	ug/L	
Bromochloromethane		20	22.1	0.174	10.7	ug/L	
Bromodichloromethane		20	24.3	0.370	21.7	ug/L	
Bromomethane		20	20.7	0.253	3.3	ug/L	
2-Butanone		20	18.6	0.0357	6.9	ug/L	
n-Butylbenzene		20	21.7	2.90	8.3	ug/L	
sec-Butylbenzene		20	21.8	3.96	9.2	ug/L	
tert-Butylbenzene		20	21.6	0.722	7.9	ug/L	
Carbon Disulfide		20	21.0	1.11	5.2	ug/L	
Carbon Tetrachloride		20	19.6	0.469	2.2	ug/L	
Dibromochloromethane		20	19.3	0.259	3.5	ug/L	
Chloroethane		20	21.3	0.248	6.4	ug/L	
2-Chloroethyl Vinyl Ether		20	21.8	0.103	9.1	ug/L	
2-Chlorotoluene		20	21.7	2.59	8.4	ug/L	
4-Chlorotoluene		20	22.5	2.54	12.4	ug/L	
1,2-Dibromo-3-Chloropropane		20	19.8	0.0552	1.1	ug/L	
1,2-Dibromoethane		20	21.6	0.221	7.9	ug/L	
Dibromomethane		20	20.8	0.129	4.2	ug/L	
1,2-Dichlorobenzene		20	21.0	1.50	5.1	ug/L	
1,3-Dichlorobenzene		20	20.9	1.81	4.5	ug/L	
1,4-Dichlorobenzene		20	20.7	1.76	3.5	ug/L	
Dichlorodifluoromethane		20	29.8	0.518	49.1	ug/L	*
1,2-Dichloroethane		20	21.2	0.367	6	ug/L	
cis-1,2-Dichloroethene		20	21.9	0.350	9.4	ug/L	
trans-1,2-Dichloroethene		20	21.9	0.346	9.4	ug/L	
1,3-Dichloropropane		20	21.2	0.420	5.9	ug/L	
2,2-Dichloropropane		20	22.3	0.566	11.6	ug/L	
cis-1,3-Dichloropropene		20	23.3	0.469	16.7	ug/L	
trans-1,3-Dichloropropene		20	22.4	0.451	12.1	ug/L	

KEMRON FORMS - Modified 05/04/2005
Version 1.5 PDF File ID: 240328
Report generated 05/24/2005 13:46

KEMRON Environmental Services
ALTERNATE SOURCE CALIBRATION REPORT

00094179

Login Number: L0505337 Run Date: 05/19/2005 Sample ID: WG189358-11
Instrument ID: HPMS11 Run Time: 13:45 Method: 8260B
File ID: 11M27019 Analyst: CMS
ICal Workgroup: WG189358 Cal ID: HPMS11 - 19-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,1-Dichloropropene	20	22.4	0.496	11.8	ug/L	
2-Hexanone	20	18.4	0.0784	8	ug/L	
Hexachlorobutadiene	20	20.9	0.463	4.3	ug/L	
Isopropylbenzene	20	20.8	2.04	3.8	ug/L	
p-Isopropyltoluene	20	21.2	3.23	5.8	ug/L	
4-Methyl-2-Pentanone	20	19.9	0.0414	.6	ug/L	
Methylene Chloride	20	20.8	0.306	4.2	ug/L	
Naphthalene	20	21.1	1.44	5.7	ug/L	
n-Propylbenzene	20	21.6	4.23	8.2	ug/L	
Styrene	20	22.9	1.39	14.4	ug/L	
1,1,1,2-Tetrachloroethane	20	22.9	0.389	14.6	ug/L	
Tetrachloroethene	20	21.5	0.403	7.5	ug/L	
1,2,3-Trichlorobenzene	20	21.0	0.880	4.9	ug/L	
1,2,4-Trichlorobenzene	20	20.7	1.10	3.7	ug/L	
1,1,1-Trichloroethane	20	22.0	0.531	9.9	ug/L	
1,1,2-Trichloroethane	20	21.5	0.218	7.3	ug/L	
Trichloroethene	20	22.1	0.375	10.7	ug/L	
Trichlorofluoromethane	20	21.7	0.638	8.3	ug/L	
1,2,3-Trichloropropane	20	20.4	0.112	2	ug/L	
1,2,4-Trimethylbenzene	20	21.5	3.22	7.4	ug/L	
1,3,5-Trimethylbenzene	20	21.9	3.16	9.5	ug/L	
Vinyl Acetate	20	19.8	0.309	1.1	ug/L	
o-Xylene	20	22.4	0.854	12	ug/L	
m-,p-Xylene	40	45.0	0.898	12.4	ug/L	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094180

Login Number: L0505337 Run Date: 05/19/2005 Sample ID: WG189414-02
Instrument ID: HPMS11 Run Time: 15:46 Method: 8260B
File ID: 11M27023 Analyst: CMS
Workgroup (AAB#): WG189416 Cal ID: HPMS11 - 19-MAY-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Chloroform	CCC	50	53.3	0.561	6.6	ug/L	
1,1-Dichloroethene	CCC	50	55.0	0.313	10	ug/L	
1,2-Dichloropropane	CCC	50	50.9	0.298	1.8	ug/L	
Ethylbenzene	CCC	50	55.6	0.723	11.1	ug/L	
Toluene	CCC	50	55.5	1.82	11.1	ug/L	
Vinyl Chloride	CCC	50	51.7	0.203	3.4	ug/L	
Bromoform	SPCC	50	46.3	0.142	7.4	ug/L	
Chlorobenzene	SPCC	50	54.0	1.20	8	ug/L	
Chloromethane	SPCC	50	47.6	0.210	4.9	ug/L	
1,1-Dichloroethane	SPCC	50	52.9	0.614	5.8	ug/L	
1,1,2,2-Tetrachloroethane	SPCC	50	48.5	0.346	2.9	ug/L	
Acetone		50	39.0	0.0173	22	ug/L	
Benzene		50	53.5	1.36	7	ug/L	
Bromobenzene		50	52.4	0.836	4.8	ug/L	
Bromochloromethane		50	51.0	0.161	1.9	ug/L	
Bromodichloromethane		50	53.0	0.322	6	ug/L	
Bromomethane		50	51.4	0.252	2.9	ug/L	
2-Butanone		50	38.6	0.0296	22.9	ug/L	
n-Butylbenzene		50	57.8	3.09	15.6	ug/L	
sec-Butylbenzene		50	57.9	4.20	15.7	ug/L	
tert-Butylbenzene		50	56.9	0.761	13.8	ug/L	
Carbon Disulfide		50	52.9	1.12	5.7	ug/L	
Carbon Tetrachloride		50	49.5	0.483	1.1	ug/L	
Dibromochloromethane		50	47.6	0.262	4.7	ug/L	
Chloroethane		50	52.2	0.243	4.4	ug/L	
2-Chloroethyl Vinyl Ether		50	49.5	0.0937	1	ug/L	
2-Chlorotoluene		50	59.4	2.84	18.7	ug/L	
4-Chlorotoluene		50	54.3	2.46	8.7	ug/L	
1,2-Dibromo-3-Chloropropane		50	46.6	0.0521	6.8	ug/L	
1,2-Dibromoethane		50	49.7	0.203	.7	ug/L	
Dibromomethane		50	47.1	0.116	5.8	ug/L	
1,2-Dichlorobenzene		50	50.9	1.46	1.9	ug/L	
1,3-Dichlorobenzene		50	52.8	1.82	5.5	ug/L	
1,4-Dichlorobenzene		50	52.7	1.79	5.3	ug/L	
Dichlorodifluoromethane		50	52.6	0.366	5.2	ug/L	
1,2-Dichloroethane		50	48.8	0.337	2.4	ug/L	
cis-1,2-Dichloroethene		50	52.9	0.339	5.8	ug/L	
trans-1,2-Dichloroethene		50	53.6	0.339	7.1	ug/L	
1,3-Dichloropropane		50	49.2	0.390	1.6	ug/L	
2,2-Dichloropropane		50	55.8	0.566	11.6	ug/L	
cis-1,3-Dichloropropene		50	53.4	0.429	6.8	ug/L	
trans-1,3-Dichloropropene		50	53.1	0.427	6.2	ug/L	

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 240331
Report generated 05/24/2005 13:47

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094181

Login Number: L0505337 Run Date: 05/19/2005 Sample ID: WG189414-02
Instrument ID: HPMS11 Run Time: 15:46 Method: 8260B
File ID: 11M27023 Analyst: CMS
Workgroup (AAB#): WG189416 Cal ID: HPMS11 - 19-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,1-Dichloropropene	50	55.6	0.493	11.1	ug/L	
2-Hexanone	50	43.5	0.0742	13	ug/L	
Hexachlorobutadiene	50	55.7	0.495	11.4	ug/L	
Isopropylbenzene	50	56.5	2.22	13.1	ug/L	
p-Isopropyltoluene	50	57.7	3.52	15.3	ug/L	
4-Methyl-2-Pentanone	50	43.1	0.0359	13.8	ug/L	
Methylene Chloride	50	49.3	0.290	1.3	ug/L	
Naphthalene	50	47.6	1.29	4.9	ug/L	
n-Propylbenzene	50	57.9	4.53	15.8	ug/L	
Styrene	50	56.0	1.37	12.1	ug/L	
1,1,1,2-Tetrachloroethane	50	56.9	0.386	13.7	ug/L	
Tetrachloroethene	50	55.7	0.418	11.4	ug/L	
1,2,3-Trichlorobenzene	50	48.0	0.807	3.9	ug/L	
1,2,4-Trichlorobenzene	50	49.4	1.05	1.2	ug/L	
1,1,1-Trichloroethane	50	56.3	0.545	12.6	ug/L	
1,1,2-Trichloroethane	50	49.6	0.202	.8	ug/L	
Trichloroethene	50	54.0	0.366	8	ug/L	
Trichlorofluoromethane	50	52.8	0.622	5.6	ug/L	
1,2,3-Trichloropropane	50	47.4	0.105	5.1	ug/L	
1,2,4-Trimethylbenzene	50	56.6	3.39	13.1	ug/L	
1,3,5-Trimethylbenzene	50	57.8	3.34	15.6	ug/L	
Vinyl Acetate	50	48.6	0.304	2.7	ug/L	
o-Xylene	50	56.0	0.854	12	ug/L	
m-, p-Xylene	100	112	0.895	12	ug/L	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094182

Login Number: L0505337 Run Date: 05/20/2005 Sample ID: WG189436-02
Instrument ID: HPMS11 Run Time: 07:52 Method: 8260B
File ID: 11M27049 Analvst: CMS
Workgroup (AAB#): WG189437 Cal ID: HPMS11 - 19-MAY-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Chloroform	CCC	50	53.7	0.566	7.5	ug/L	
1,1-Dichloroethene	CCC	50	53.5	0.304	7	ug/L	
1,2-Dichloropropane	CCC	50	52.6	0.308	5.2	ug/L	
Ethylbenzene	CCC	50	53.8	0.701	7.7	ug/L	
Toluene	CCC	50	53.0	1.73	6	ug/L	
Vinyl Chloride	CCC	50	51.6	0.202	3.3	ug/L	
Bromoform	SPCC	50	54.7	0.169	9.5	ug/L	
Chlorobenzene	SPCC	50	53.7	1.19	7.5	ug/L	
Chloromethane	SPCC	50	46.3	0.204	7.4	ug/L	
1,1-Dichloroethane	SPCC	50	53.5	0.621	7.1	ug/L	
1,1,2,2-Tetrachloroethane	SPCC	50	53.6	0.382	7.2	ug/L	
Acetone		50	77.1	0.0332	54.3	ug/L	*
Benzene		50	52.8	1.34	5.5	ug/L	
Bromobenzene		50	52.0	0.830	4	ug/L	
Bromochloromethane		50	53.9	0.170	7.8	ug/L	
Bromodichloromethane		50	56.8	0.345	13.5	ug/L	
Bromomethane		50	44.7	0.219	10.6	ug/L	
2-Butanone		50	65.2	0.0501	30.3	ug/L	
n-Butylbenzene		50	52.6	2.81	5.1	ug/L	
sec-Butylbenzene		50	52.9	3.84	5.8	ug/L	
tert-Butylbenzene		50	53.2	0.712	6.4	ug/L	
Carbon Disulfide		50	52.2	1.10	4.4	ug/L	
Carbon Tetrachloride		50	50.9	0.497	1.8	ug/L	
Dibromochloromethane		50	52.1	0.288	4.3	ug/L	
Chloroethane		50	53.0	0.247	6	ug/L	
2-Chloroethyl Vinyl Ether		50	57.9	0.110	15.8	ug/L	
2-Chlorotoluene		50	54.6	2.61	9.3	ug/L	
4-Chlorotoluene		50	52.3	2.36	4.6	ug/L	
1,2-Dibromo-3-Chloropropane		50	58.9	0.0657	17.8	ug/L	
1,2-Dibromoethane		50	53.9	0.221	7.8	ug/L	
Dibromomethane		50	52.9	0.130	5.7	ug/L	
1,2-Dichlorobenzene		50	51.1	1.46	2.1	ug/L	
1,3-Dichlorobenzene		50	51.3	1.77	2.6	ug/L	
1,4-Dichlorobenzene		50	51.7	1.76	3.4	ug/L	
Dichlorodifluoromethane		50	54.6	0.380	9.2	ug/L	
1,2-Dichloroethane		50	54.0	0.373	8	ug/L	
cis-1,2-Dichloroethene		50	52.9	0.338	5.8	ug/L	
trans-1,2-Dichloroethene		50	52.5	0.333	5.1	ug/L	
1,3-Dichloropropane		50	52.2	0.414	4.5	ug/L	
2,2-Dichloropropane		50	55.6	0.564	11.1	ug/L	
cis-1,3-Dichloropropene		50	56.4	0.454	12.9	ug/L	
trans-1,3-Dichloropropene		50	57.6	0.464	15.3	ug/L	

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 240331
Report generated 05/24/2005 13:47

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094183

Login Number: L0505337 Run Date: 05/20/2005 Sample ID: WG189436-02
Instrument ID: HPMS11 Run Time: 07:52 Method: 8260B
File ID: 11M27049 Analyst: CMS
Workgroup (AAB#): WG189437 Cal ID: HPMS11 - 19-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,1-Dichloropropene	50	54.5	0.483	8.9	ug/L	
2-Hexanone	50	59.6	0.102	19.1	ug/L	
Hexachlorobutadiene	50	49.5	0.440	.9	ug/L	
Isopropylbenzene	50	53.6	2.11	7.3	ug/L	
p-Isopropyltoluene	50	53.0	3.23	6.1	ug/L	
4-Methyl-2-Pentanone	50	58.4	0.0487	16.9	ug/L	
Methylene Chloride	50	50.8	0.299	1.7	ug/L	
Naphthalene	50	50.3	1.37	.6	ug/L	
n-Propylbenzene	50	53.0	4.14	5.9	ug/L	
Styrene	50	55.6	1.36	11.2	ug/L	
1,1,1,2-Tetrachloroethane	50	60.1	0.407	20.1	ug/L	
Tetrachloroethene	50	53.5	0.402	7.1	ug/L	
1,2,3-Trichlorobenzene	50	48.6	0.816	2.8	ug/L	
1,2,4-Trichlorobenzene	50	49.8	1.06	.3	ug/L	
1,1,1-Trichloroethane	50	55.1	0.533	10.2	ug/L	
1,1,2-Trichloroethane	50	53.1	0.216	6.1	ug/L	
Trichloroethene	50	53.7	0.364	7.5	ug/L	
Trichlorofluoromethane	50	53.2	0.626	6.3	ug/L	
1,2,3-Trichloropropane	50	53.6	0.118	7.2	ug/L	
1,2,4-Trimethylbenzene	50	52.8	3.16	5.7	ug/L	
1,3,5-Trimethylbenzene	50	53.4	3.08	6.7	ug/L	
Vinyl Acetate	50	59.2	0.370	18.4	ug/L	
o-Xylene	50	54.1	0.825	8.2	ug/L	
m-, p-Xylene	100	109	0.871	9.1	ug/L	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094184

Login Number: L0505337 Run Date: 05/21/2005 Sample ID: WG189538-02
Instrument ID: HPMS10 Run Time: 10:55 Method: 8260B
File ID: 10M38162 Analyst: MES
Workgroup (AAB#): WG189539 Cal ID: HPMS10 - 23-APR-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Chloroform	CCC	50	52.2	0.511	4.4	ug/L	
1,1-Dichloroethene	CCC	50	50.4	0.225	.9	ug/L	
1,2-Dichloropropane	CCC	50	48.5	0.230	3.1	ug/L	
Ethylbenzene	CCC	50	51.2	0.510	2.4	ug/L	
Toluene	CCC	50	50.2	1.35	.4	ug/L	
Vinyl Chloride	CCC	50	55.7	0.202	11.5	ug/L	
Bromoform	SPCC	50	53.2	0.177	6.4	ug/L	
Chlorobenzene	SPCC	50	50.4	0.900	.8	ug/L	
Chloromethane	SPCC	50	49.3	0.228	1.4	ug/L	
1,1-Dichloroethane	SPCC	50	50.7	0.482	1.3	ug/L	
1,1,2,2-Tetrachloroethane	SPCC	50	41.4	0.389	17.2	ug/L	
Acetone		50	44.1	0.0377	11.7	ug/L	
Benzene		50	49.1	0.913	1.8	ug/L	
Bromobenzene		50	48.0	0.698	4	ug/L	
Bromochloromethane		50	50.0	0.118	.1	ug/L	
Bromodichloromethane		50	50.9	0.328	1.7	ug/L	
Bromomethane		50	58.9	0.152	17.7	ug/L	
2-Butanone		50	43.2	0.0520	13.6	ug/L	
n-Butylbenzene		50	45.6	2.14	8.8	ug/L	
sec-Butylbenzene		50	47.0	2.90	6	ug/L	
tert-Butylbenzene		50	48.8	0.485	2.4	ug/L	
Carbon Disulfide		50	50.9	0.764	1.8	ug/L	
Carbon Tetrachloride		50	58.6	0.429	17.2	ug/L	
Dibromochloromethane		50	53.2	0.326	6.4	ug/L	
Chloroethane		50	52.0	0.171	4	ug/L	
2-Chloroethyl Vinyl Ether		50	56.1	0.0956	12.1	ug/L	
2-Chlorotoluene		50	47.7	2.34	4.7	ug/L	
4-Chlorotoluene		50	48.3	2.09	3.4	ug/L	
1,2-Dibromo-3-Chloropropane		50	42.0	0.0723	15.9	ug/L	
1,2-Dibromoethane		50	48.0	0.234	4	ug/L	
Dibromomethane		50	49.1	0.125	1.8	ug/L	
1,2-Dichlorobenzene		50	45.6	1.17	8.9	ug/L	
1,3-Dichlorobenzene		50	47.4	1.35	5.1	ug/L	
1,4-Dichlorobenzene		50	45.8	1.34	8.5	ug/L	
Dichlorodifluoromethane		50	45.2	0.303	9.6	ug/L	
1,2-Dichloroethane		50	51.2	0.363	2.3	ug/L	
cis-1,2-Dichloroethene		50	49.4	0.261	1.1	ug/L	
trans-1,2-Dichloroethene		50	50.5	0.250	1.1	ug/L	
1,3-Dichloropropane		50	46.3	0.397	7.4	ug/L	
2,2-Dichloropropane		50	61.8	0.440	23.6	ug/L	
cis-1,3-Dichloropropene		50	52.0	0.369	4.1	ug/L	
trans-1,3-Dichloropropene		50	55.9	0.456	11.8	ug/L	

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 240331
Report generated 05/24/2005 13:47

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094185

Login Number: L0505337 Run Date: 05/21/2005 Sample ID: WG189538-02
Instrument ID: HPMS10 Run Time: 10:55 Method: 8260B
File ID: 10M38162 Analyst: MES
Workgroup (AAB#): WG189539 Cal ID: HPMS10 - 23-APR-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,1-Dichloropropene	50	52.4	0.372	4.7	ug/L	
2-Hexanone	50	44.9	0.120	10.1	ug/L	
Hexachlorobutadiene	50	39.8	0.365	20.4	ug/L	*
Isopropylbenzene	50	56.8	1.58	13.5	ug/L	
p-Isopropyltoluene	50	50.1	2.50	.2	ug/L	
4-Methyl-2-Pentanone	50	43.9	0.0468	12.3	ug/L	
Methylene Chloride	50	46.3	0.235	7.4	ug/L	
Naphthalene	50	42.5	1.14	14.9	ug/L	
n-Propylbenzene	50	48.4	3.28	3.3	ug/L	
Styrene	50	50.0	0.994	.1	ug/L	
1,1,1,2-Tetrachloroethane	50	60.9	0.354	21.8	ug/L	
Tetrachloroethene	50	54.0	0.328	7.9	ug/L	
1,2,3-Trichlorobenzene	50	46.7	0.656	6.7	ug/L	
1,2,4-Trichlorobenzene	50	45.5	0.811	9	ug/L	
1,1,1-Trichloroethane	50	61.1	0.497	22.2	ug/L	
1,1,2-Trichloroethane	50	45.7	0.223	8.7	ug/L	
Trichloroethene	50	52.1	0.276	4.2	ug/L	
Trichlorofluoromethane	50	63.7	0.580	27.4	ug/L	
1,2,3-Trichloropropane	50	46.4	0.144	7.3	ug/L	
1,2,4-Trimethylbenzene	50	47.8	2.51	4.4	ug/L	
1,3,5-Trimethylbenzene	50	49.1	2.43	1.8	ug/L	
Vinyl Acetate	50	49.7	0.304	.6	ug/L	
o-Xylene	50	51.5	0.601	2.9	ug/L	
m-, p-Xylene	100	102	0.621	1.7	ug/L	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094186

Login Number: L0505337 Run Date: 05/21/2005 Sample ID: WG189540-02
Instrument ID: HPMS11 Run Time: 10:29 Method: 8260B
File ID: 11M27075 Analyst: MES
Workgroup (AAB#): WG189541 Cal ID: HPMS11 - 19-MAY-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Chloroform	CCC	50	55.5	0.585	11.1	ug/L	
1,1-Dichloroethene	CCC	50	55.2	0.314	10.3	ug/L	
1,2-Dichloropropane	CCC	50	53.1	0.312	6.3	ug/L	
Ethylbenzene	CCC	50	53.2	0.692	6.3	ug/L	
Toluene	CCC	50	54.9	1.80	9.9	ug/L	
Vinyl Chloride	CCC	50	49.4	0.194	1.2	ug/L	
Bromoform	SPCC	50	57.7	0.179	15.4	ug/L	
Chlorobenzene	SPCC	50	53.0	1.17	5.9	ug/L	
Chloromethane	SPCC	50	47.5	0.209	5	ug/L	
1,1-Dichloroethane	SPCC	50	53.4	0.620	6.8	ug/L	
1,1,2,2-Tetrachloroethane	SPCC	50	61.4	0.437	22.8	ug/L	
Acetone		50	81.7	0.0351	63.5	ug/L	*
Benzene		50	53.3	1.35	6.6	ug/L	
Bromobenzene		50	52.6	0.839	5.2	ug/L	
Bromochloromethane		50	52.6	0.166	5.2	ug/L	
Bromodichloromethane		50	60.9	0.370	21.8	ug/L	
Bromomethane		50	46.2	0.226	7.5	ug/L	
2-Butanone		50	71.5	0.0549	42.9	ug/L	*
n-Butylbenzene		50	56.9	3.04	13.8	ug/L	
sec-Butylbenzene		50	57.4	4.16	14.8	ug/L	
tert-Butylbenzene		50	54.6	0.731	9.3	ug/L	
Carbon Disulfide		50	51.1	1.08	2.1	ug/L	
Carbon Tetrachloride		50	55.0	0.538	10	ug/L	
Dibromochloromethane		50	57.4	0.318	14.8	ug/L	
Chloroethane		50	53.6	0.250	7.2	ug/L	
2-Chloroethyl Vinyl Ether		50	60.4	0.114	20.8	ug/L	
2-Chlorotoluene		50	55.9	2.67	11.9	ug/L	
4-Chlorotoluene		50	55.6	2.51	11.1	ug/L	
1,2-Dibromo-3-Chloropropane		50	69.8	0.0780	39.7	ug/L	
1,2-Dibromoethane		50	57.2	0.234	14.4	ug/L	
Dibromomethane		50	53.6	0.132	7.3	ug/L	
1,2-Dichlorobenzene		50	52.9	1.51	5.7	ug/L	
1,3-Dichlorobenzene		50	52.6	1.82	5.2	ug/L	
1,4-Dichlorobenzene		50	53.0	1.81	6	ug/L	
Dichlorodifluoromethane		50	53.6	0.372	7.1	ug/L	
1,2-Dichloroethane		50	53.5	0.370	6.9	ug/L	
cis-1,2-Dichloroethene		50	53.6	0.343	7.1	ug/L	
trans-1,2-Dichloroethene		50	53.0	0.336	6	ug/L	
1,3-Dichloropropane		50	55.6	0.441	11.3	ug/L	
2,2-Dichloropropane		50	58.5	0.594	17	ug/L	
cis-1,3-Dichloropropene		50	58.5	0.470	17	ug/L	
trans-1,3-Dichloropropene		50	61.9	0.498	23.8	ug/L	

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 240331
Report generated 05/24/2005 13:47

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094187

Login Number: L0505337 Run Date: 05/21/2005 Sample ID: WG189540-02
Instrument ID: HPMS11 Run Time: 10:29 Method: 8260B
File ID: 11M27075 Analyst: MES
Workgroup (AAB#): WG189541 Cal ID: HPMS11 - 19-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,1-Dichloropropene	50	56.1	0.498	12.2	ug/L	
2-Hexanone	50	68.3	0.117	36.7	ug/L	
Hexachlorobutadiene	50	49.8	0.442	.4	ug/L	
Isopropylbenzene	50	54.9	2.15	9.7	ug/L	
p-Isopropyltoluene	50	56.7	3.46	13.5	ug/L	
4-Methyl-2-Pentanone	50	61.7	0.0515	23.4	ug/L	
Methylene Chloride	50	94.4	0.555	88.8	ug/L	*
Naphthalene	50	54.3	1.48	8.7	ug/L	
n-Propylbenzene	50	58.5	4.57	16.9	ug/L	
Styrene	50	55.9	1.36	11.8	ug/L	
1,1,1,2-Tetrachloroethane	50	61.2	0.415	22.4	ug/L	
Tetrachloroethene	50	51.3	0.384	2.5	ug/L	
1,2,3-Trichlorobenzene	50	48.7	0.818	2.5	ug/L	
1,2,4-Trichlorobenzene	50	49.3	1.05	1.4	ug/L	
1,1,1-Trichloroethane	50	57.9	0.560	15.8	ug/L	
1,1,2-Trichloroethane	50	55.6	0.226	11.2	ug/L	
Trichloroethene	50	52.5	0.356	5.1	ug/L	
Trichlorofluoromethane	50	55.7	0.656	11.4	ug/L	
1,2,3-Trichloropropane	50	60.5	0.134	21.1	ug/L	
1,2,4-Trimethylbenzene	50	57.3	3.43	14.6	ug/L	
1,3,5-Trimethylbenzene	50	58.3	3.37	16.6	ug/L	
Vinyl Acetate	50	55.3	0.346	10.7	ug/L	
o-Xylene	50	54.3	0.828	8.6	ug/L	
m-, p-Xylene	100	108	0.860	7.7	ug/L	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094188

Login Number: L0505337 Run Date: 05/22/2005 Sample ID: WG189551-02
Instrument ID: HPMS10 Run Time: 12:04 Method: 8260B
File ID: 10M38198 Analvst: MES
Workgroup (AAB#): WG189552 Cal ID: HPMS10 - 23-APR-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Chloroform	CCC	50	47.6	0.466	4.8	ug/L	
1,1-Dichloroethene	CCC	50	50.8	0.227	1.7	ug/L	
1,2-Dichloropropane	CCC	50	47.1	0.224	5.9	ug/L	
Ethylbenzene	CCC	50	51.3	0.512	2.7	ug/L	
Toluene	CCC	50	50.4	1.36	.8	ug/L	
Vinyl Chloride	CCC	50	46.5	0.169	6.9	ug/L	
Bromoform	SPCC	50	48.1	0.160	3.9	ug/L	
Chlorobenzene	SPCC	50	49.9	0.891	.2	ug/L	
Chloromethane	SPCC	50	43.1	0.199	13.9	ug/L	
1,1-Dichloroethane	SPCC	50	47.5	0.452	5	ug/L	
1,1,2,2-Tetrachloroethane	SPCC	50	42.5	0.399	15.1	ug/L	
Acetone		50	41.3	0.0354	17.3	ug/L	
Benzene		50	49.2	0.916	1.6	ug/L	
Bromobenzene		50	49.9	0.725	.3	ug/L	
Bromochloromethane		50	48.7	0.115	2.5	ug/L	
Bromodichloromethane		50	45.8	0.296	8.3	ug/L	
Bromomethane		50	48.2	0.125	3.6	ug/L	
2-Butanone		50	40.8	0.0491	18.4	ug/L	
n-Butylbenzene		50	46.7	2.20	6.5	ug/L	
sec-Butylbenzene		50	49.2	3.04	1.5	ug/L	
tert-Butylbenzene		50	51.1	0.508	2.1	ug/L	
Carbon Disulfide		50	50.6	0.760	1.2	ug/L	
Carbon Tetrachloride		50	49.7	0.363	.5	ug/L	
Dibromochloromethane		50	48.1	0.295	3.8	ug/L	
Chloroethane		50	50.6	0.166	1.1	ug/L	
2-Chloroethyl Vinyl Ether		50	49.8	0.0848	.5	ug/L	
2-Chlorotoluene		50	47.7	2.34	4.6	ug/L	
4-Chlorotoluene		50	50.2	2.17	.4	ug/L	
1,2-Dibromo-3-Chloropropane		50	41.9	0.0719	16.3	ug/L	
1,2-Dibromoethane		50	47.1	0.230	5.8	ug/L	
Dibromomethane		50	45.3	0.116	9.3	ug/L	
1,2-Dichlorobenzene		50	46.9	1.21	6.2	ug/L	
1,3-Dichlorobenzene		50	49.1	1.39	1.9	ug/L	
1,4-Dichlorobenzene		50	47.7	1.40	4.6	ug/L	
Dichlorodifluoromethane		50	37.7	0.252	24.6	ug/L	
1,2-Dichloroethane		50	43.1	0.306	13.8	ug/L	
cis-1,2-Dichloroethene		50	49.5	0.261	1	ug/L	
trans-1,2-Dichloroethene		50	49.9	0.247	.1	ug/L	
1,3-Dichloropropane		50	44.2	0.379	11.6	ug/L	
2,2-Dichloropropane		50	53.1	0.378	6.1	ug/L	
cis-1,3-Dichloropropene		50	48.5	0.344	2.9	ug/L	
trans-1,3-Dichloropropene		50	50.4	0.411	.8	ug/L	

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 240331
Report generated 05/24/2005 13:47

Login Number: L0505337 Run Date: 05/22/2005 Sample ID: WG189551-02
 Instrument ID: HPMS10 Run Time: 12:04 Method: 8260B
 File ID: 10M38198 Analyst: MES
 Workgroup (AAB#): WG189552 Cal ID: HPMS10 - 23-APR-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,1-Dichloropropene	50	48.9	0.348	2.2	ug/L	
2-Hexanone	50	41.1	0.109	17.8	ug/L	
Hexachlorobutadiene	50	38.8	0.356	22.4	ug/L	*
Isopropylbenzene	50	56.5	1.57	12.9	ug/L	
p-Isopropyltoluene	50	51.6	2.57	3.2	ug/L	
4-Methyl-2-Pentanone	50	41.8	0.0446	16.4	ug/L	
Methylene Chloride	50	45.4	0.230	9.2	ug/L	
Naphthalene	50	44.9	1.20	10.3	ug/L	
n-Propylbenzene	50	50.5	3.42	1	ug/L	
Styrene	50	50.8	1.01	1.5	ug/L	
1,1,1,2-Tetrachloroethane	50	56.2	0.327	12.3	ug/L	
Tetrachloroethene	50	52.2	0.317	4.4	ug/L	
1,2,3-Trichlorobenzene	50	46.1	0.649	7.7	ug/L	
1,2,4-Trichlorobenzene	50	45.7	0.816	8.5	ug/L	
1,1,1-Trichloroethane	50	53.6	0.435	7.1	ug/L	
1,1,2-Trichloroethane	50	44.7	0.218	10.7	ug/L	
Trichloroethene	50	51.3	0.272	2.6	ug/L	
Trichlorofluoromethane	50	52.4	0.477	4.9	ug/L	
1,2,3-Trichloropropane	50	46.4	0.145	7.1	ug/L	
1,2,4-Trimethylbenzene	50	49.0	2.57	2	ug/L	
1,3,5-Trimethylbenzene	50	50.7	2.52	1.5	ug/L	
Vinyl Acetate	50	37.3	0.229	25.3	ug/L	
o-Xylene	50	50.9	0.594	1.7	ug/L	
m-, p-Xylene	100	101	0.616	1	ug/L	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

00094190

Login Number: L0505337
Instrument ID: HPMS11
Workgroup (AAB#): WG189416

CCV Number: WG189414-02
CAL ID: HPMS11 - 19-MAY-05
Matrix: WATER

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG189414-02	NA	NA	429985	756845	990989
Upper Limit	NA	NA	859970	1513690	1981978
Lower Limit	NA	NA	214993	378423	495495
L0505337-01	1.00	01	425803	737470	941811
L0505337-06	1.00	01	394143	664220	841772
L0505337-08	1.00	01	384033	659863	834629
L0505337-09	1.00	01	382763	652339	823833
L0505337-15	1.00	01	383123	651413	824809
L0505337-18	1.00	01	381590	648037	809312
WG189416-01	1.00	01	428676	739071	949853
WG189416-02	1.00	01	436277	760300	966539
WG189416-03	1.00	01	437394	758781	968527

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

00094191

Login Number: L0505337
Instrument ID: HPMS11
Workgroup (AAB#): WG189437

CCV Number: WG189436-02
CAL ID: HPMS11 - 19-MAY-05
Matrix: WATER

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG189436-02	NA	NA	443731	753173	955118
Upper Limit	NA	NA	887462	1506346	1910236
Lower Limit	NA	NA	221866	376587	477559
<u>L0505337-02</u>	1.00	01	381190	655785	847690
<u>L0505337-03</u>	1.00	01	386220	675488	873860
<u>L0505337-04</u>	1.00	01	372075	639187	813631
<u>L0505337-05</u>	1.00	01	375858	639151	818314
<u>L0505337-07</u>	1.00	01	371188	642318	819372
<u>L0505337-10</u>	1.00	01	377613	653117	830606
<u>L0505337-11</u>	1.00	01	385057	666990	831236
<u>L0505337-19</u>	1.00	01	379406	644683	830151
<u>L0505337-20</u>	1.00	01	397467	666327	847265
<u>L0505337-21</u>	1.00	01	400571	681219	852257
<u>L0505337-22</u>	1.00	01	392536	674465	857040
<u>L0505337-23</u>	1.00	01	383620	660256	836312
WG189437-01	1.00	01	415574	711330	913765
WG189437-02	1.00	01	414015	707249	897670

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

00094192

Login Number: L0505337
Instrument ID: HPMS10
Workgroup (AAB#): WG189539

CCV Number: WG189538-02
CAL ID: HPMS10 - 23-APR-05
Matrix: WATER

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG189538-02	NA	NA	243908	440900	604575
Upper Limit	NA	NA	487816	881800	1209150
Lower Limit	NA	NA	121954	220450	302288
L0505337-12	1000	DL01	224322	425348	593147
L0505337-13	1000	DL01	224787	424301	593139
L0505337-14	1.00	01	233759	436984	608148
L0505337-16	1.00	01	230337	427324	594586
L0505337-17	1.00	01	230784	424955	595596
L0505337-24	1.00	01	227304	422882	595950
WG189539-01	1.00	01	236264	442964	616676
WG189539-02	1.00	01	250050	448385	619686
WG189539-03	1.00	01	252503	462981	641120

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

00094193

Login Number: L0505337
Instrument ID: HPMS11
Workgroup (AAB#): WG189541

CCV Number: WG189540-02
CAL ID: HPMS11 - 19-MAY-05
Matrix: WATER

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG189540-02	NA	NA	430566	791898	1041325
Upper Limit	NA	NA	861132	1583796	2082650
Lower Limit	NA	NA	215283	395949	520663
L0505337-10	100	DL01	418413	777826	1024197
L0505337-11	100	DL01	419881	776283	1026368
WG189541-01	1.00	03	421234	774115	1011021
WG189541-02	1.00	01	418603	766959	1008577
WG189541-03	1.00	01	431974	790110	1012400

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

00094194

Login Number: L0505337
Instrument ID: HPMS10
Workgroup (AAB#): WG189552

CCV Number: WG189551-02
CAL ID: HPMS10 - 23-APR-05
Matrix: WATER

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG189551-02	NA	NA	274395	529309	738436
Upper Limit	NA	NA	548790	1058618	1476872
Lower Limit	NA	NA	137198	264655	369218
L0505337-12	50000	DL02	269720	512034	716676
L0505337-13	50000	DL02	267929	508997	719924
WG189552-01	1.00	01	273840	518730	722189
WG189552-02	1.00	01	278061	520471	726216
WG189552-03	1.00	01	276703	521630	732913

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

00094195

Login Number: L0505337
Instrument ID: HPMS11
Workgroup (AAB#): WG189416

CCV Number: WG189414-02
CAL ID: HPMS11-19-MAY-05
Matrix: WATER

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG189414-02	NA	NA	17.28	14.47	10.83
Upper Limit	NA	NA	17.78	14.97	11.33
Lower Limit	NA	NA	16.78	13.97	10.33
L0505337-01	1.00	01	17.283	14.47	10.825
L0505337-06	1.00	01	17.283	14.47	10.83
L0505337-08	1.00	01	17.288	14.476	10.831
L0505337-09	1.00	01	17.283	14.47	10.831
L0505337-15	1.00	01	17.288	14.47	10.831
L0505337-18	1.00	01	17.288	14.47	10.83
WG189416-01	1.00	01	17.283	14.47	10.825
WG189416-02	1.00	01	17.283	14.47	10.831
WG189416-03	1.00	01	17.283	14.47	10.831

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

00094196

Login Number: L0505337
Instrument ID: HPMS11
Workgroup (AAB#): WG189437

CCV Number: WG189436-02
CAL ID: HPMS11-19-MAY-05
Matrix: WATER

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG189436-02	NA	NA	17.29	14.48	10.83
Upper Limit	NA	NA	17.79	14.98	11.33
Lower Limit	NA	NA	16.79	13.98	10.33
L0505337-02	1.00	01	17.283	14.47	10.831
L0505337-03	1.00	01	17.283	14.47	10.831
L0505337-04	1.00	01	17.283	14.47	10.831
L0505337-05	1.00	01	17.283	14.47	10.831
L0505337-07	1.00	01	17.283	14.47	10.831
L0505337-10	1.00	01	17.283	14.47	10.831
L0505337-11	1.00	01	17.283	14.47	10.831
L0505337-19	1.00	01	17.283	14.47	10.831
L0505337-20	1.00	01	17.283	14.47	10.831
L0505337-21	1.00	01	17.283	14.47	10.831
L0505337-22	1.00	01	17.283	14.47	10.831
L0505337-23	1.00	01	17.283	14.471	10.831
WG189437-01	1.00	01	17.283	14.47	10.831
WG189437-02	1.00	01	17.283	14.47	10.831

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

00094197

Login Number: L0505337
Instrument ID: HPMS10
Workgroup (AAB#): WG189539

CCV Number: WG189538-02
CAL ID: HPMS10-23-APR-05
Matrix: WATER

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG189538-02	NA	NA	15.65	12.67	8.84
Upper Limit	NA	NA	16.15	13.17	9.34
Lower Limit	NA	NA	15.15	12.17	8.34
L0505337-12	1000	DL01	15.65	12.68	8.84
L0505337-13	1000	DL01	15.65	12.67	8.84
L0505337-14	1.00	01	15.65	12.67	8.84
L0505337-16	1.00	01	15.65	12.67	8.84
L0505337-17	1.00	01	15.65	12.67	8.84
L0505337-24	1.00	01	15.65	12.67	8.84
WG189539-01	1.00	01	15.65	12.67	8.84
WG189539-02	1.00	01	15.65	12.68	8.83
WG189539-03	1.00	01	15.65	12.67	8.84

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

00094198

Login Number: L0505337
Instrument ID: HPMS11
Workgroup (AAB#): WG189541

CCV Number: WG189540-02
CAL ID: HPMS11-19-MAY-05
Matrix: WATER

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG189540-02	NA	NA	17.29	14.47	10.83
Upper Limit	NA	NA	17.79	14.97	11.33
Lower Limit	NA	NA	16.79	13.97	10.33
L0505337-10	100	DL01	17.283	14.47	10.831
L0505337-11	100	DL01	17.283	14.47	10.831
WG189541-01	1.00	03	17.283	14.47	10.825
WG189541-02	1.00	01	17.283	14.47	10.831
WG189541-03	1.00	01	17.283	14.47	10.825

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

00094199

Login Number: L0505337
Instrument ID: HPMS10
Workgroup (AAB#): WG189552

CCV Number: WG189551-02
CAL ID: HPMS10-23-APR-05
Matrix: WATER

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG189551-02	NA	NA	15.65	12.68	8.83
Upper Limit	NA	NA	16.15	13.18	9.33
Lower Limit	NA	NA	15.15	12.18	8.33
L0505337-12	50000	DL02	15.65	12.67	8.84
L0505337-13	50000	DL02	15.65	12.68	8.84
WG189552-01	1.00	01	15.65	12.68	8.83
WG189552-02	1.00	01	15.65	12.67	8.84
WG189552-03	1.00	01	15.65	12.67	8.84

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: LHAAP-027

Page 1 of 2

Project Number: 845714

Samples Shipment Date: 16 MAY 2005

Bill To: Diane Meyer

3010 Briarpark Drive

Houston

TX 77042

Project Name: Longhorn Army Ammunition Plant Lab Destination: Kemron Lab

Sample Coordinator: Phil Conley

Lab Contact: Stephanie Mossburg

Report To: Diane Meyer

3010 Briarpark Drive

Houston

TX 77042

Turnaround Time:

Project Contact: Diane Meyer

Carrier/Waybill No.: UPS/J180 010 403 5

Special Instructions:

Possible Hazard Identification:

Non-hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown ☐Radiological ☐

Sample Disposal:

Return to Client ☐Disposal by Lab ☐

Archive

(mos.)

1. Relinquished By
(Signature/Affiliation)Date: 05/16/05
Time: 17001. Received By
(Signature/Affiliation)Date: 5/17/05
Time: 09402. Relinquished By
(Signature/Affiliation)Date:
Time:2. Received By
(Signature/Affiliation)Date:
Time:3. Relinquished By
(Signature/Affiliation)Date:
Time:3. Received By
(Signature/Affiliation)Date:
Time:

Comments:

Cleated
Substant
Cooler Temp
big

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	File	CID	Condition On Receipt
051405-ER	29WW10-WA-051405-ER-ER	14 MAY 2005	08:50	40 mL VOA Vial	3	HCl<pH 2	Volatiles by SW8260B				N KL131	
051505-ER	29WW21-WA-051505-ER-ER	16 MAY 2005	15:00	40 mL VOA Vial	3	HCl<pH 2	Volatiles by SW8260B				N KL131	
051505-TB-2	29WW29-BW-051505-TB-2-TB	16 MAY 2005	12:00	40 mL VOA VIAL	2	HCl<pH 2	Volatiles by SW8260B				N	
29WW05-MAY05	29WW05-GW-29WW05-MAY05-REG	16 MAY 2005	10:52	40 mL VOA VIAL	3	HCl<pH 2	Volatiles by SW8260B				N	
29WW05-MAY05	29WW05-GW-29WW05-MAY05-D-FD	16 MAY 2005	10:52	40 mL VOA VIAL	3	HCl<pH 2	Volatiles by SW8260B				N	
29WW09-MAY05	29WW09-GW-29WW09-MAY05-REG	15 MAY 2005	14:06	40 mL VOA VIAL	3	HCl<pH 2	Volatiles by SW8260B				N	
29WW10-MAY05	29WW10-GW-29WW10-MAY05-REG	16 MAY 2005	08:58	40 mL VOA VIAL	3	HCl<pH 2	Volatiles by SW8260B				N	
29WW115-MAY	115-GW-29WW115-MAY05-REG	15 MAY 2005	13:05	40 mL VOA VIAL	3	HCl<pH 2	Volatiles by SW8260B				N	



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: LHAAP-027

Page 2 of 2

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Sample Vol	Units	File	CID	Condition On Receipt
29WW119-MAY05	29WW119-GW-29WW119-MAY05-REG	15 MAY 2005	09:05	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B			N		
29WW15-MAY05	29WW15-GW-29WW15-MAY05-REG	16 MAY 2005	13:50	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B			N		
29WW15-MAY05	29WW15-GW-29WW15-MAY05-D-FD	16 MAY 2005	13:50	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B			N		
29WW16-MAY05	29WW16-GW-29WW16-MAY05-REG	16 MAY 2005	11:51	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B			N		
29WW16-MAY05	29WW16-GW-29WW16-MAY05-D-FD	16 MAY 2005	11:51	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B			N		
29WW17-MAY05	29WW17-GW-29WW17-MAY05-REG	16 MAY 2005	09:20	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B			N		
29WW19-MAY05	29WW19-GW-29WW19-MAY05-REG	15 MAY 2005	14:24	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B			N		
29WW21-MAY05	29WW21-GW-29WW21-MAY05-REG	16 MAY 2005	11:00	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B			N		
29WW22-MAY05	29WW22-GW-29WW22-MAY05-REG	16 MAY 2005	10:10	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B			N		
29WW23-MAY05	29WW23-GW-29WW23-MAY05-REG	15 MAY 2005	13:45	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B			N		
29WW24-MAY05	29WW24-GW-29WW24-MAY05-REG	15 MAY 2005	14:25	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B			N		
29WW24-MAY05	29WW24-GW-29WW24-MAY05-MS-MS	15 MAY 2005	14:25	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B			N		
29WW24-MAY05	29WW24-GW-29WW24-MAY05-MSD-MS	15 MAY 2005	14:25	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B			N		
29WW29-MAY05	29WW29-GW-29WW29-MAY05-REG	15 MAY 2005	12:00	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B			N		
29WW32-MAY05	29WW32-GW-29WW32-MAY05-REG	15 MAY 2005	10:00	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B			N		
29WW34-MAY05	29WW34-GW-29WW34-MAY05-REG	16 MAY 2005	10:42	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B			N		
32WW02-MAY05	32WW02-GW-32WW02-MAY05-REG	12 MAY 2005	16:30	1000 mL HDPE	1 HNO3<pH 2	TAL METALS by 6010b, 6020, 7471A			N	KL900	
32WW02-MAY05	32WW02-GW-32WW02-MAY05-REG	12 MAY 2005	16:30	1000 mL HDPE	1 None except cool to 4 C	TAL METALS by 6010B, 6020, 7471A, DISSOLVED			N	KL900	
LHSMW63-MAY05	LHSMW63-GW-LHSMW63-MAY05-REG	12 MAY 2005	09:15	1000 mL HDPE	1 HNO3<pH 2	TAL METALS by 6010b, 6020, 7471A			N		
LHSMW63-MAY05	LHSMW63-GW-LHSMW63-MAY05-REG	12 MAY 2005	09:15	1000 mL HDPE	1 None except cool to 4 C	TAL METALS by 6010B, 6020, 7471A, DISSOLVED			N		

Login: L0505337

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 24

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505337-01 133420 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 11:59	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 11:59	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 11:59	MES	BRG

Samplenum **Container ID** **Products**

L0505337-02 133421 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 11:59	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 11:59	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 11:59	MES	BRG

Samplenum **Container ID** **Products**

L0505337-03 133422 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 11:59	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 11:59	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	

Login: L0505337

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 24

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505337-04 133423 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 11:59	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 11:59	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 11:59	MES	BRG

Samplenum **Container ID** **Products**

L0505337-05 133424 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 11:59	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 11:59	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:00	MES	BRG

Login: L0505337

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 24

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505337-06 133425 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:00	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:00	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:00	MES	BRG

Samplenum **Container ID** **Products**

L0505337-07 133426 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:00	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:00	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:00	MES	BRG

Login: L0505337

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 24

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505337-08 133427 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:00	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:00	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:00	MES	BRG

Samplenum **Container ID** **Products**

L0505337-09 133428 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:00	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:00	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:00	MES	BRG

Login: L0505337

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 24

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505337-10 133429 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:00	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:00	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:00	MES	BRG

Samplenum **Container ID** **Products**

L0505337-11 133430 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:00	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:00	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:00	MES	BRG

Login: L0505337

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 24

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505337-12 133431 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:00	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:00	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:00	MES	BRG

Samplenum **Container ID** **Products**

L0505337-13 133432 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:00	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:00	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:01	MES	BRG

Login: L0505337

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 24

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505337-14 133433 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:01	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:01	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:01	MES	BRG

Samplenum **Container ID** **Products**

L0505337-15 133434 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:01	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:01	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:01	MES	BRG

Login: L0505337

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 24

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505337-16 133435 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:01	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:01	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:01	MES	BRG

Samplenum **Container ID** **Products**

L0505337-17 133436 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:01	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:01	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:01	MES	BRG

Login: L0505337

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 24

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505337-18 133437 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:01	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:01	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:01	MES	BRG

Samplenum **Container ID** **Products**

L0505337-19 133438 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:01	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:01	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:01	MES	BRG

Login: L0505337

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 24

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505337-20 133439 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:01	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:01	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:01	MES	BRG

Samplenum **Container ID** **Products**

L0505337-21 133440 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:01	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:01	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:01	MES	BRG

Login: L0505337

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 24

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505337-22 133441 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:01	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:01	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:02	MES	BRG

Samplenum **Container ID** **Products**

L0505337-23 133442 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:02	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:02	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:02	MES	BRG

KEMRON Environmental Services
Internal Chain of Custody Report

00094213

Login: L0505337
Account: SHAW-ALLIANCE-798
Project: 798-LONGHORN
Samples: 24
Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**
L0505337-24 133443 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:02	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:02	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:33	BRG	
2	ANALYZ	V1	ORG4	18-MAY-2005 12:02	MES	BRG

SAMPLE RECEIPT FORM

Date: 5-17-05 Client: Shaw LH
 Shipped By: () Fed-Ex ☒ UPS () DHL () KEMRON () Client () Other
 Opened By: B19
 Logged By: B19 Login # L05 05337
 IR Temp Gun: ☒ D () F

156 STARLITE DRIVE
 MARIETTA, OH
 45750
 (740) 373-4071

COOLER INFORMATION

Number	Cooler ID	Temp °C	Airbill#	COC#	Other
1	KL136	2	J1788255451	018	
2	KL1705	1	J1800104035	027	
3	KL1744	3	J1800104044	026	
4	KL1564	4	J1788255415	022	
5	KL887	3	J1788255479	016	
6	KL1602	4	J1788255488	017	

Were all coolers sealed? ☒ Y N N/A
 Were custody seals used on all coolers? ☒ Y N N/A
 Were custody seals intact? ☒ Y N N/A
 Was visible ice present? ☒ Y N N/A
 Were all coolers in the temperature range of 2-6C? (>6C*) Y ☒ N N/A
 Were the samples frozen?* Y ☒ N N/A
 Were COC papers provided? ☒ Y N N/A
 Were all sample containers intact?* ☒ Y N N/A
 Were all sample labels intact? ☒ Y N N/A
 Were all sample labels legible?* ☒ Y N N/A
 Did all sample labels match the COC?* Y ☒ N N/A
 Was the label information complete?* ☒ Y N N/A
 Were the correct containers used?* ☒ Y N N/A
 Were the correct preservatives added to water samples?* ☒ Y N N/A
 Was the pH tested on preserved water samples? Y N ☒ N/A
 Were pH ranges acceptable? Y N ☒ N/A
 Was sufficient amount of sample provided?* ☒ Y N ☒ N/A
 Were bubbles present in VOA samples?* ☒ Y ☒ N N/A
 Were COC's signed and dated? ☒ Y N N/A
 Did samples arrive before hold time expired?* ☒ Y N N/A
 Are discrepancy forms attached? ☒ Y N N/A

*Requires a discrepancy form

Comments: _____

CRF #1

Revised 8/22/03

CRF#4

Sample Discrepancy Form

Client: Shaw Project: QC 027

Date Received: 5/17

☐ Cooler temperature > than 6 degrees Celsius

Reason ☐

☐ Samples received not on chain of custody

☐ Samples on chain of custody not received

Information on sample containers different from chain of custody

- ① CLC 32ww02-may05 5/12@1630 = label 32ww113-may05 5/16@1330
- ② CLC LHSmw63-may05 5/12@915 = label 5/15@1330

☐ Sample containers received broken, leaking or not sealed (List sample ID)

☐ pH out (List sample ID, which container, pH prior to adjusting, amount of acid, preservative)

☐ Insufficient sample volume

☐ Air bubbles present in VOA vials (List sample ID)

☐ Hold time expired (List sample ID)

Service Representative:

Was client notified regarding information: YES

NO

Name of Person contacted: _____

Company: _____

Service Representative: _____

Date: _____

Last Revised 08/22/03



156 Starlite Drive, Marietta, OH 45750 • TEL 740-373-4071 • FAX 740-373-4835 • <http://www.kemron.com>

Laboratory Report Number: L0505338

Please find enclosed the analytical results for the samples you submitted to KEMRON Environmental Services.

Review and compilation of your report was completed by KEMRON's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact our team member noted in the Reviewed box below at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

Debra Elliott - Team Leader
delliott@kemron-lab.com

Amanda Fickiesen - Client Services Specialist
afickiesen@kemron-lab.com

Cheryl Koelsch - Team Chemist/Data Specialist
ckoelsch@kemron-lab.com

Annie Bock - Client Services Specialist
abock@kemron-lab.com

Stephanie Mossburg - Team Chemist/Data Specialist
smossburg@kemron-lab.com

Vicki Lauer - Client Services Specialist
vlauer@kemron-lab.com

Kathy Albertson - Team Chemist/Data Specialist
kalbertson@kemron-lab.com

Micalyn Harris - Team Chemist/Data Specialist
mharris@kemron-lab.com

This report was reviewed on May 24, 2005:

A handwritten signature in cursive script, reading "Stephanie Mossburg".

I certify that all test results meet all of the requirements of the NELAP standards and other applicable contract terms and conditions. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on an 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of KEMRON Environmental Services.

This report was certified on May 24, 2005:

A handwritten signature in cursive script, reading "David E. Vandenberg".

FL DOH NELAP ID: E87551

This report contains a total of 39 pages.

Protecting Our Environmental Future

LABORATORY REPORT

L0505338

00094217

05/24/05 15:09

Submitted By

KEMRON Environmental Services

156 Starlite Drive

Marietta , OH 45750

(740) 373 - 4071

For

Account Name: Shaw E & I, Inc.

ABB Lummus Building

3010 Briarpark

Houston, TX 77042

Attention: Diane Mever

Account Number: 307-ALLIANCE-798

Work ID: LONGHORN AAP

P.O. Number: 98696

Sample Summary

Client ID	Lab ID	Date Collected	Date Received
29WW05-MAY05	L0505338-01	16-MAY-05	17-MAY-05
29WW05-MAY05-D	L0505338-02	16-MAY-05	17-MAY-05
29WW119-MAY05	L0505338-03	15-MAY-05	17-MAY-05
29WW21-MAY05	L0505338-04	16-MAY-05	17-MAY-05
29WW22-MAY05	L0505338-05	16-MAY-05	17-MAY-05

KEMRON ENVIRONMENTAL SERVICES
REPORT NARRATIVE

KEMRON Login No.: L0505338

CHAIN OF CUSTODY: The chain of custody number was LHAAP-024

SHIPMENT CONDITIONS: The chain of custody forms were received sealed in a cooler. The cooler temperature was 5 degrees C.

SAMPLE MANAGEMENT: All samples received were intact.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Approved: 17-MAY-05

<i>Stephanie Moseburg</i>

KEMRON ENVIRONMENTAL SERVICES
HPLC-EXPLOSIVE RESIDUES

KEMRON Login No.: L0505338

METHOD

Analysis: SW-846 8330

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds linear equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Matrix Spikes: The MS/MSD results were not associated with this sample delivery group.

SAMPLES

Surrogates: Sample fractions 01 and 02 yielded a %recovery for the surrogate that was above the advisory limit. These samples were re-analyzed at a 5X dilution and met all acceptance criteria for surrogate recovery. Sample matrix effects may have contributed to the high recovery of surrogate recovered in the analysis of the neat extract. These fractions were re-analyzed at higher dilutions and the surrogates were DL. All other acceptance criteria were met.

Samples: Sample fractions 01 and 02 were re-analyzed at dilutions in order to maintain the analysis within the range of calibration. All acceptance criteria were met.

Manual Integration Reason Codes

KEMRON laboratory management has identified four general cases with valid reasons supporting the use of manual integration techniques.

Reason #1: Data System Fails to Select Correct Peak

In some cases the chromatography system selects and integrates the "wrong peak". In this case the analyst must

correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

00094220

Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak.

This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

Reason #3: Improperly Integrated Isomers and/or coeluting compounds.

This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline

There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous

Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: RDC

Approved: 24-MAY-05



Report Number: L0505338

Report Date : May 24, 2005

00094221

Sample Number: L0505338-01
 Client ID: 29WW05-MAY05
 Matrix: Water
 Workgroup Number: WG189374
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/17/2005 11:40
 Cal Date: 05/10/2005 17:19
 Run Date: 05/18/2005 22:22
 File ID: 4L008125.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.02	0.255
1,3-Dinitrobenzene	99-65-0	1.84		1.02	0.255
2,4,6-Trinitrotoluene	118-96-7		U	1.02	0.255
2,4-Dinitrotoluene	121-14-2	54.4	I	1.02	0.255
2,6-Dinitrotoluene	606-20-2	209	I	1.02	0.255
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.02	0.255
2-Nitrotoluene	88-72-2	1280	I	1.02	0.255
3-Nitrotoluene	99-08-1	115	I	1.02	0.255
4-Nitrotoluene	99-99-0	26.4	I	1.02	0.255
4-Amino-2,6-dinitrotoluene	19406-51-0	18.7	I	1.02	0.255
HMX	2691-41-0		U	1.02	0.255
Nitrobenzene	98-95-3		U	1.02	0.255
RDX	121-82-4		U	1.02	0.255
Tetryl	479-45-8		U	1.02	0.255
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	616	50	150	*	

* Surrogate or spike compound out of range

I Semiquantitative result (out of instrument calibration range)

U Not detected at or above adjusted sample detection limit

Sample Number: L0505338-01
 Client ID: 29WW05-MAY05
 Matrix: Water
 Workgroup Number: WG189374
 Collect Date: 16-MAY-05
 Sample Tag: DL01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 5
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/17/2005 11:40
 Cal Date: 05/10/2005 17:19
 Run Date: 05/24/2005 01:38
 File ID: 4L008205.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	5.10	1.28
1,3-Dinitrobenzene	99-65-0		U	5.10	1.28
2,4,6-Trinitrotoluene	118-96-7		U	5.10	1.28
2,4-Dinitrotoluene	121-14-2	50.9		5.10	1.28
2,6-Dinitrotoluene	606-20-2	207	I	5.10	1.28
2-Amino-4,6-dinitrotoluene	35572-78-2		U	5.10	1.28
2-Nitrotoluene	88-72-2	1240	I	5.10	1.28
3-Nitrotoluene	99-08-1	117	I	5.10	1.28
4-Nitrotoluene	99-99-0	24.1		5.10	1.28
4-Amino-2,6-dinitrotoluene	19406-51-0	15.5		5.10	1.28
HMX	2691-41-0		U	5.10	1.28
Nitrobenzene	98-95-3		U	5.10	1.28
RDX	121-82-4		U	5.10	1.28
Tetryl	479-45-8		U	5.10	1.28
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	88.5	50	150		

I Semiquantitative result (out of instrument calibration range)

U Not detected at or above adjusted sample detection limit

Report Number: L0505338

Report Date : May 24, 2005

00094222

Sample Number: L0505338-01
 Client ID: 29WW05-MAY05
 Matrix: Water
 Workgroup Number: WG189374
 Collect Date: 16-MAY-05
 Sample Tag: DL02

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 50
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/17/2005 11:40
 Cal Date: 05/10/2005 17:19
 Run Date: 05/24/2005 02:53
 File ID: 4L008207.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	51.0	12.8
1,3-Dinitrobenzene	99-65-0		U	51.0	12.8
2,4,6-Trinitrotoluene	118-96-7		U	51.0	12.8
2,4-Dinitrotoluene	121-14-2	50.5	J	51.0	12.8
2,6-Dinitrotoluene	606-20-2	224		51.0	12.8
2-Amino-4,6-dinitrotoluene	35572-78-2		U	51.0	12.8
2-Nitrotoluene	88-72-2	1220	I	51.0	12.8
3-Nitrotoluene	99-08-1	111		51.0	12.8
4-Nitrotoluene	99-99-0	21.5	J	51.0	12.8
4-Amino-2,6-dinitrotoluene	19406-51-0		U	51.0	12.8
HMX	2691-41-0		U	51.0	12.8
Nitrobenzene	98-95-3		U	51.0	12.8
RDX	121-82-4		U	51.0	12.8
Tetryl	479-45-8		U	51.0	12.8
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene		50	150	*	

* Surrogate or spike compound out of range

I Semiquantitative result (out of instrument calibration range)

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: L0505338-01
 Client ID: 29WW05-MAY05
 Matrix: Water
 Workgroup Number: WG189374
 Collect Date: 16-MAY-05
 Sample Tag: DL03

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 250
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/17/2005 11:40
 Cal Date: 05/10/2005 17:19
 Run Date: 05/24/2005 04:07
 File ID: 4L008209.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	255	63.8
1,3-Dinitrobenzene	99-65-0		U	255	63.8
2,4,6-Trinitrotoluene	118-96-7		U	255	63.8
2,4-Dinitrotoluene	121-14-2		U	255	63.8
2,6-Dinitrotoluene	606-20-2	185	J	255	63.8
2-Amino-4,6-dinitrotoluene	35572-78-2		U	255	63.8
2-Nitrotoluene	88-72-2	1190		255	63.8
3-Nitrotoluene	99-08-1	96.4	J	255	63.8
4-Nitrotoluene	99-99-0		U	255	63.8
4-Amino-2,6-dinitrotoluene	19406-51-0		U	255	63.8
HMX	2691-41-0		U	255	63.8
Nitrobenzene	98-95-3		U	255	63.8
RDX	121-82-4		U	255	63.8
Tetryl	479-45-8		U	255	63.8
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene		50	150	*	

* Surrogate or spike compound out of range

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Report Number: L0505338

Report Date : May 24, 2005

00094223

Sample Number: L0505338-02
 Client ID: 29WW05-MAY05-D
 Matrix: Water
 Workgroup Number: WG189374
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/17/2005 11:40
 Cal Date: 05/10/2005 17:19
 Run Date: 05/18/2005 22:59
 File ID: 4L008126.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.03	0.258
1,3-Dinitrobenzene	99-65-0	2.01		1.03	0.258
2,4,6-Trinitrotoluene	118-96-7		U	1.03	0.258
2,4-Dinitrotoluene	121-14-2	59.5	I	1.03	0.258
2,6-Dinitrotoluene	606-20-2	222	I	1.03	0.258
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.03	0.258
2-Nitrotoluene	88-72-2	1360	I	1.03	0.258
3-Nitrotoluene	99-08-1	124	I	1.03	0.258
4-Nitrotoluene	99-99-0	45.5	I	1.03	0.258
4-Amino-2,6-dinitrotoluene	19406-51-0	20.8	I	1.03	0.258
HMX	2691-41-0		U	1.03	0.258
Nitrobenzene	98-95-3		U	1.03	0.258
RDX	121-82-4		U	1.03	0.258
Tetryl	479-45-8		U	1.03	0.258
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	679	50	150	*	

* Surrogate or spike compound out of range

I Semiquantitative result (out of instrument calibration range)

U Not detected at or above adjusted sample detection limit

Sample Number: L0505338-02
 Client ID: 29WW05-MAY05-D
 Matrix: Water
 Workgroup Number: WG189374
 Collect Date: 16-MAY-05
 Sample Tag: DL01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 5
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/17/2005 11:40
 Cal Date: 05/10/2005 17:19
 Run Date: 05/24/2005 02:16
 File ID: 4L008206.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	5.15	1.29
1,3-Dinitrobenzene	99-65-0	1.34	J	5.15	1.29
2,4,6-Trinitrotoluene	118-96-7		U	5.15	1.29
2,4-Dinitrotoluene	121-14-2	54.5	I	5.15	1.29
2,6-Dinitrotoluene	606-20-2	220	I	5.15	1.29
2-Amino-4,6-dinitrotoluene	35572-78-2		U	5.15	1.29
2-Nitrotoluene	88-72-2	1340	I	5.15	1.29
3-Nitrotoluene	99-08-1	128	I	5.15	1.29
4-Nitrotoluene	99-99-0	42.7		5.15	1.29
4-Amino-2,6-dinitrotoluene	19406-51-0	16.3		5.15	1.29
HMX	2691-41-0		U	5.15	1.29
Nitrobenzene	98-95-3		U	5.15	1.29
RDX	121-82-4		U	5.15	1.29
Tetryl	479-45-8		U	5.15	1.29
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	113	50	150		

I Semiquantitative result (out of instrument calibration range)

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Report Number: L0505338

Report Date : May 24, 2005

00094224

Sample Number: L0505338-02
 Client ID: 29WW05-MAY05-D
 Matrix: Water
 Workgroup Number: WG189374
 Collect Date: 16-MAY-05
 Sample Tag: DL02

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 50
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/17/2005 11:40
 Cal Date: 05/10/2005 17:19
 Run Date: 05/24/2005 03:30
 File ID: 4L008208.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	51.5	12.9
1,3-Dinitrobenzene	99-65-0		U	51.5	12.9
2,4,6-Trinitrotoluene	118-96-7		U	51.5	12.9
2,4-Dinitrotoluene	121-14-2	46.9	J	51.5	12.9
2,6-Dinitrotoluene	606-20-2	198		51.5	12.9
2-Amino-4,6-dinitrotoluene	35572-78-2		U	51.5	12.9
2-Nitrotoluene	88-72-2	1270	I	51.5	12.9
3-Nitrotoluene	99-08-1	123		51.5	12.9
4-Nitrotoluene	99-99-0	39.5	J	51.5	12.9
4-Amino-2,6-dinitrotoluene	19406-51-0		U	51.5	12.9
HMX	2691-41-0		U	51.5	12.9
Nitrobenzene	98-95-3		U	51.5	12.9
RDX	121-82-4		U	51.5	12.9
Tetryl	479-45-8		U	51.5	12.9
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene		50	150	*	

* Surrogate or spike compound out of range

I Semiquantitative result (out of instrument calibration range)

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: L0505338-02
 Client ID: 29WW05-MAY05-D
 Matrix: Water
 Workgroup Number: WG189374
 Collect Date: 16-MAY-05
 Sample Tag: DL03

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 250
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/17/2005 11:40
 Cal Date: 05/10/2005 17:19
 Run Date: 05/24/2005 04:44
 File ID: 4L008210.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	258	64.4
1,3-Dinitrobenzene	99-65-0		U	258	64.4
2,4,6-Trinitrotoluene	118-96-7		U	258	64.4
2,4-Dinitrotoluene	121-14-2		U	258	64.4
2,6-Dinitrotoluene	606-20-2	187	J	258	64.4
2-Amino-4,6-dinitrotoluene	35572-78-2		U	258	64.4
2-Nitrotoluene	88-72-2	1230		258	64.4
3-Nitrotoluene	99-08-1	101	J	258	64.4
4-Nitrotoluene	99-99-0		U	258	64.4
4-Amino-2,6-dinitrotoluene	19406-51-0		U	258	64.4
HMX	2691-41-0		U	258	64.4
Nitrobenzene	98-95-3		U	258	64.4
RDX	121-82-4		U	258	64.4
Tetryl	479-45-8		U	258	64.4
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene		50	150	*	

* Surrogate or spike compound out of range

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Report Number: L0505338

Report Date : May 24, 2005

00094225

Sample Number: L0505338-03
 Client ID: 29WW119-MAY05
 Matrix: Water
 Workgroup Number: WG189374
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/17/2005 11:40
 Cal Date: 05/10/2005 17:19
 Run Date: 05/18/2005 21:08
 File ID: 4L008123.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.06	0.266
1,3-Dinitrobenzene	99-65-0		U	1.06	0.266
2,4,6-Trinitrotoluene	118-96-7		U	1.06	0.266
2,4-Dinitrotoluene	121-14-2		U	1.06	0.266
2,6-Dinitrotoluene	606-20-2		U	1.06	0.266
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.06	0.266
2-Nitrotoluene	88-72-2		U	1.06	0.266
3-Nitrotoluene	99-08-1		U	1.06	0.266
4-Nitrotoluene	99-99-0		U	1.06	0.266
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.06	0.266
HMX	2691-41-0		U	1.06	0.266
Nitrobenzene	98-95-3		U	1.06	0.266
RDX	121-82-4		U	1.06	0.266
Tetryl	479-45-8		U	1.06	0.266
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	80.0	50	150		

U Not detected at or above adjusted sample detection limit

Sample Number: L0505338-04
 Client ID: 29WW21-MAY05
 Matrix: Water
 Workgroup Number: WG189374
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/17/2005 11:40
 Cal Date: 05/10/2005 17:19
 Run Date: 05/18/2005 21:45
 File ID: 4L008124.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.00	0.250
1,3-Dinitrobenzene	99-65-0		U	1.00	0.250
2,4,6-Trinitrotoluene	118-96-7		U	1.00	0.250
2,4-Dinitrotoluene	121-14-2		U	1.00	0.250
2,6-Dinitrotoluene	606-20-2		U	1.00	0.250
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.00	0.250
2-Nitrotoluene	88-72-2		U	1.00	0.250
3-Nitrotoluene	99-08-1		U	1.00	0.250
4-Nitrotoluene	99-99-0		U	1.00	0.250
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.00	0.250
HMX	2691-41-0		U	1.00	0.250
Nitrobenzene	98-95-3		U	1.00	0.250
RDX	121-82-4		U	1.00	0.250
Tetryl	479-45-8		U	1.00	0.250
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	86.0	50	150		

U Not detected at or above adjusted sample detection limit

Report Number: **L0505338**Report Date : **May 24, 2005****00094226**

Sample Number: L0505338-05	Prep Method: 3535	Instrument: HPLC4
Client ID: 29WW22-MAY05	Analytical Method: 8330	Prep Date: 05/17/2005 11:40
Matrix: Water	Analyst: RDC	Cal Date: 05/10/2005 17:19
Workgroup Number: WG189374	Dilution: 1	Run Date: 05/24/2005 10:20
Collect Date: 16-MAY-05	Units: ug/L	File ID: 4L008219.F
Sample Tag: 01		

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.00	0.250
1,3-Dinitrobenzene	99-65-0		U	1.00	0.250
2,4,6-Trinitrotoluene	118-96-7		U	1.00	0.250
2,4-Dinitrotoluene	121-14-2		U	1.00	0.250
2,6-Dinitrotoluene	606-20-2		U	1.00	0.250
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.00	0.250
2-Nitrotoluene	88-72-2		U	1.00	0.250
3-Nitrotoluene	99-08-1		U	1.00	0.250
4-Nitrotoluene	99-99-0		U	1.00	0.250
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.00	0.250
HMX	2691-41-0		U	1.00	0.250
Nitrobenzene	98-95-3		U	1.00	0.250
RDX	121-82-4		U	1.00	0.250
Tetryl	479-45-8		U	1.00	0.250
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	83.9	50	150		

U Not detected at or above adjusted sample detection limit

WORKGROUP SUMMARY BY METHOD

Analysis:Explosives

Extraction Method:3535

Workgroup:WG189200

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505338-01	29WW05-MAY05		05/17/05 11:40			SPE	CEB
L0505338-02	29WW05-MAY05-D		05/17/05 11:40			SPE	CEB
L0505338-03	29WW119-MAY05		05/17/05 11:40			SPE	CEB
L0505338-04	29WW21-MAY05		05/17/05 11:40			SPE	CEB
L0505338-05	29WW22-MAY05		05/17/05 11:40			SPE	CEB

Analysis:Explosives

Analytical Method:8330

Workgroup:WG189374

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505338-01	29WW05-MAY05		05/17/05 11:40	05/18/05 22:22	01	HPLC4	RDC
L0505338-01	29WW05-MAY05		05/17/05 11:40	05/24/05 01:38	DL01	HPLC4	RDC
L0505338-01	29WW05-MAY05		05/17/05 11:40	05/24/05 02:53	DL02	HPLC4	RDC
L0505338-01	29WW05-MAY05		05/17/05 11:40	05/24/05 04:07	DL03	HPLC4	RDC
L0505338-02	29WW05-MAY05-D		05/17/05 11:40	05/18/05 22:59	01	HPLC4	RDC
L0505338-02	29WW05-MAY05-D		05/17/05 11:40	05/24/05 02:16	DL01	HPLC4	RDC
L0505338-02	29WW05-MAY05-D		05/17/05 11:40	05/24/05 03:30	DL02	HPLC4	RDC
L0505338-02	29WW05-MAY05-D		05/17/05 11:40	05/24/05 04:44	DL03	HPLC4	RDC
L0505338-03	29WW119-MAY05		05/17/05 11:40	05/18/05 21:08	01	HPLC4	RDC
L0505338-04	29WW21-MAY05		05/17/05 11:40	05/18/05 21:45	01	HPLC4	RDC
L0505338-05	29WW22-MAY05		05/17/05 11:40	05/24/05 10:20	01	HPLC4	RDC

Kemron Environmental Services
Analyst Listing May 24, 2005

AJF - AMANDA J. FICKIESEN	ALB - ANNIE L. BOCK	ALT - ANN L. THAYER
BRG - BRENDA R. GREGORY	CAF - CHERYL A. FLOWERS	CAK - CHERYL A. KOELSCH
CEB - CHAD E. BARNES	CLC - CHRYS L. CRAWFORD	CLK - CARL L. KING
CLS - CARA L. STRICKLER	CLW - CHARISSA L. WINTERS	CM - CHARLIE MARTIN
CMS - CRYSTAL M. STEPHENS	CPD - CHAD P. DAVIS	CRC - CARLA R. COCHRAN
CSH - CHRIS S. HILL	DAS - DALLAS A. SULLIVAN	DD - DIANE M. DENNIS
DDE - DEBRA D. ELLIOTT	DEL - DON E. LIGHTFRITZ	DEV - DAVID E. VANDENBERG
DGB - DOUGLAS G. BUTCHER	DIH - DEANNA I. HESSON	DLB - DAVID L. BUMGARNER
DLP - DOROTHY L. PAYNE	DLR - DIANNA L. RAUCH	DP - DEANNA L. PIERSON
DR - DEANNA ROBERTS	DRB - DOUG R. BARNETT	DSM - DAVID S. MOSSOR
DST - DENNIS S. TEPE	ECL - ERIC C. LAWSON	ED - EMILY E. DECKER
HAV - HEMA VILASAGAR	JAL - JOHN A. LENT	JJG - JOHN J. GREUEY
JKT - JANE K. THOMPSON	JLS - JANICE L. SCHIMMEL	JWR - JOHN W. RICHARDS
JWS - JACK W. SHEAVES	JYH - JI Y. HU	KEB - KATHRYN E. BARNES
KHR - KIM H. RHODES	KRA - KATHY R. ALBERTSON	LKN - LINDA K. NEDEFF
LSA - LUCINDA S. ARNOLD	LSB - LESLIE S. BUCINA	MAH - MICALYN A. HARRIS
MDA - MICHAEL D. ALBERTSON	MDC - MICHAEL D. COCHRAN	MES - MARY E. SCHILLING
MKZ - MARILYN K. ZUMBRO	MLR - MARY L. ROCHOTTE	MLS - MICHAEL L. SCHIMMEL
MMB - MAREN M. BEERY	MSW - MATT S. WILSON	NJB - NATALIE J. BOOTH
OGT - OKEY G. TUCKER	PAS - PATRICK A. STREET	RB - ROBERT BUCHANAN
RDC - REBECCA D. CUTLIP	REK - ROBERT E. KYER	RWC - RODNEY W. CAMPBELL
SCM - SUSAN C. MOELLENDICK	SK - SANDRA KEENER	SLM - STEPHANIE L. MOSSBURG
SLP - SHERI L. PFALZGRAF	SMH - SHAUNA M. HYDE	TD - TIMOTHY DYSERT
TMM - TAMMY M. MORRIS	VC - VICKI COLLIER	VKL - VICKY K. LAUER

KEMRON Environmental Services, Inc.

List of Valid Qualifiers

May 24, 2005

These are KEMRON's standard report qualifiers:

B	Present in the method blank	NS	Not spiked
C	Confirmed by GC/MS	P	Concentration >40% difference between the two GC columns
CG	Confluent growth		
D	The analyte was quantified as a secondary dilution factor	QNS	Quantity not sufficient to perform analysis
DL	Surrogate or spike was diluted out	RA	Reanalysis confirms reported results
		RE	Reanalysis confirms sample matrix interference
E	Estimated concentration due to sample matrix interference	S	Analyzed by method of standard addition
FL	Free liquid	SMI	Sample matrix interference on surrogate
I	Semi-quantitative result, out of instrument calibration range	SP	Reported results are for spike compounds only
J	Present below normal reporting limit	TNTC	Too numerous to count
L	Sample reporting limits elevated due to matrix interference	U	Analyzed for but not detected
N	Tentatively Identified Compound (TIC)	W	Post-digestion spike for furnace AA out of control limits
NA	Not applicable	X	Exceeds regulatory limit
ND	Not detected at or above the reporting limit (RL)	Z	Can not be resolved from isomer.***
NF	Not found	+	Correlation coefficient for the MSA is less than 0.995
NFL	No free liquid	<	Less than
NI	Non-ignitable	>	Greater than
		*	Surrogate or spike compound out of range

*****Special Notes for Organic Analytes**

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound and are matrix dependent.

AFCEE Qualifiers

These are KEMRON's AFCEE Report Qualifiers

- J** The analyte was positively identified, the quantitation is an estimation.
- U** The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL
- F** The analyte was positively identified by the associated numerical value is below the RL
- R** The data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria
- B** The analyte was found in an associated blank, as well as in the sample
- M** The matrix effect was present
- S** To be applied to all field screening data
- T** Tentatively identified compound (using GC/MS)

Organic QA/QC

Figure 1
Semi-Volatile GC Checklist

Run Date: 5-10-05
 Analyst: ECL
 Instrument: HPLC4
 Method: 8330

Login no. Due Date Priority

05-084 need rerun

		Analyst	Peer
System Performance Check:	Endrin/DDT Breakdown		
Initial Calibration:	ICAL summary	✓	✓
	Linear or quadratic regression	✓	✓
	Alt Source Check	✓	✓
Continuing Calibration:	Continuing Calibration	✓	✓
	Ending standards	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD	✓	✓
Samples:	Quant Reports/Chromatograms	✓	✓
	Mass spectra		
	Surrogates	✓	✓
	Dilution runs		
	Confirmations	NA	
	Correct Factors	✓	✓
	Manual integrations	✓	✓
Data Package:	Run logs	✓	✓
	Bench sheets		
	Upload results		
	QC forms		
	Seedpak workgroups		
Client Data	Data scanned		
	Integrations digitally signed	✓	
	Level 2 pdf files		
	Level 3/Level x		
	Level 4 copies		
	Case narratives		
		Supervisor	
	Integrations digitally cosigned	✓	
	Corrective Action		
	Results Reporting/Data Qualifiers		
	Client Data/digital signatures		
	Check for Completeness	✓	
	Check for compliance with method and project requirements	✓	
	Check the reasonableness of results	✓	

✓ = Checked & OK

NA = Not Applicable

Primary Reviewer:

ECL 5-11-05

Secondary Reviewer:

Robert Hester

Comments:

Semi-Volatile HPLC Checklist

Run Date: 18-MAY-2005Analyst: RDCInstrument: HPLC4Method: 8330

Login no.	Due Date	Priority
05-321	20-May-05	F3
05-338	24-May-05	F3
05-339	24-May-05	F3
05-340	24-May-05	F3

		Analyst	Peer
Initial Calibration:	ICAL summary		
	Linear or quadratic regression		
	Alt Source Check		
Continuing Calibration:	Continuing Calibration	✓	✓
	Ending Standards	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD		
Samples:	Quant Reports/Chromatograms	✓	✓
	TCL Hits	✓	✓
	Surrogates	✓	✓
	Dilution runs	✓	✓
	Confirmations	✓	✓
	Correct Factors		
	Manual integrations	✓	✓
Data Package:	Run logs	✓	✓
	Bench sheets	✓	✓
	Upload results	✓	✓
	QC forms	✓	✓
	Seedpak workgroups	✓	✓
Client Data	Data scanned		
	Level 2 pdf files		
	Level 3/Level x		
	Level 4 copies		
	Case narratives		
	Integrations digitally signed	✓	
	Supervisor		
Corrective Action:			
Results Reporting/Data Qualifiers:		✓	
Client Data/digital signatures			
Check for Completeness:		✓	
Check for compliance with method and project requirements:		✓	
Check the reasonableness of results:		✓	

✓ = Checked & OK

NA = Not Applicable

Primary Reviewer: RDC 5/20/05Secondary Reviewer: ndc 5/20/05

Comments: _____

Semi-Volatile HPLC Checklist

Run Date: 23-MAY-2005Analyst: RDCInstrument: HPLC4Method: 8330

Login no.	Due Date	Priority
05-338	24-May-05	F3
05-341	24-May-05	F3
05-342	24-May-05	F3
05-398	24-May-05	F3
05-400	24-May-05	F3

		Analyst	Peer
Initial Calibration:	ICAL summary		
	Linear or quadratic regression		
	Alt Source Check		
Continuing Calibration:	Continuing Calibration	✓	✓
	Ending Standards	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD		
Samples:	Quant Reports/Chromatograms	✓	✓
	TCL Hits	✓	✓
	Surrogates	✓	✓
	Dilution runs		
	Confirmations		
	Correct Factors		
	Manual integrations	✓	✓
Data Package:	Run logs	✓	✓
	Bench sheets	✓	✓
	Upload results	✓	✓
	QC forms	✓	✓
	Seedpak workgroups	✓	✓
Client Data	Data scanned		
	Level 2 pdf files		
	Level 3/Level x		
	Level 4 copies		
	Case narratives		
	Integrations digitally signed	✓	
	Supervisor		
Corrective Action:			
Results Reporting/Data Qualifiers:		✓	
Client Data/digital signatures		✓	
Check for Completeness:		✓	
Check for compliance with method and project requirements:		✓	
Check the reasonableness of results:		✓	

✓ = Checked & OK

NA = Not Applicable

Primary Reviewer: RDC 5/24/05Secondary Reviewer: 5/24/05

Comments: _____

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00094235

Analytical Method: 8330
Login Number: L0505338

AAB#: WG189374

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
29WW05-MAY05	05/16/05	05/17/05	05/17/05	7	1.03	05/18/05	40	1.45	
29WW05-MAY05	05/16/05	05/17/05	05/17/05	7	1.03	05/24/05	40	6.58	
29WW05-MAY05	05/16/05	05/17/05	05/17/05	7	1.03	05/24/05	40	6.63	
29WW05-MAY05	05/16/05	05/17/05	05/17/05	7	1.03	05/24/05	40	6.69	
29WW05-MAY05-D	05/16/05	05/17/05	05/17/05	7	1.03	05/18/05	40	1.47	
29WW05-MAY05-D	05/16/05	05/17/05	05/17/05	7	1.03	05/24/05	40	6.61	
29WW05-MAY05-D	05/16/05	05/17/05	05/17/05	7	1.03	05/24/05	40	6.66	
29WW05-MAY05-D	05/16/05	05/17/05	05/17/05	7	1.03	05/24/05	40	6.71	
29WW119-MAY05	05/15/05	05/17/05	05/17/05	7	2.11	05/18/05	40	1.39	
29WW21-MAY05	05/16/05	05/17/05	05/17/05	7	1.03	05/18/05	40	1.42	
29WW22-MAY05	05/16/05	05/17/05	05/17/05	7	1.06	05/24/05	40	6.94	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

SURROGATE STANDARDS

Login Number: L0505338
Instrument Id: HPLC4
Workgroup (AAB#): WG189374

Method: 8330
CAL ID: HPLC4 - 10-MAY-05
Matrix: WATER

Sample Number	Dilution	Tag	1
L0505338-01	1.00	01	<u>616</u>
L0505338-01	5.00	DL01	88.5
L0505338-01	50.0	DL02	DL
L0505338-01	250	DL03	DL
L0505338-02	1.00	01	<u>679</u>
L0505338-02	5.00	DL01	113
L0505338-02	50.0	DL02	DL
L0505338-02	250	DL03	DL
L0505338-03	1.00	01	80.0
L0505338-04	1.00	01	86.0
L0505338-05	1.00	01	83.9
WG189200-01	1.00	01	92.7
WG189200-02	1.00	01	98.5
WG189200-03	1.00	01	96.9

Surrogates	Surrogate Limits
1 - 3,4-Dinitrotoluene	50 - 150

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

Login Number: L0505338
Blank File ID: 4L008119.F
Date Analyzed: 05/18/05
Time Analyzed: 18:39
Analyst: RDC

Work Group: WG189374
Blank Sample ID: WG189200-01
Instrument ID: HPLC4
Method: 8330

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG189200-02	4L008120.F	05/18/05 19:16	01
LCS2	WG189200-03	4L008121.F	05/18/05 19:53	01
29WW119-MAY05	L0505338-03	4L008123.F	05/18/05 21:08	01
29WW21-MAY05	L0505338-04	4L008124.F	05/18/05 21:45	01
29WW05-MAY05	L0505338-01	4L008125.F	05/18/05 22:22	01
29WW05-MAY05-D	L0505338-02	4L008126.F	05/18/05 22:59	01
29WW05-MAY05	L0505338-01	4L008205.F	05/24/05 01:38	DL01
29WW05-MAY05-D	L0505338-02	4L008206.F	05/24/05 02:16	DL01
29WW05-MAY05	L0505338-01	4L008207.F	05/24/05 02:53	DL02
29WW05-MAY05-D	L0505338-02	4L008208.F	05/24/05 03:30	DL02
29WW05-MAY05	L0505338-01	4L008209.F	05/24/05 04:07	DL03
29WW05-MAY05-D	L0505338-02	4L008210.F	05/24/05 04:44	DL03
29WW22-MAY05	L0505338-05	4L008219.F	05/24/05 10:20	01

Login Number: L0505338 Run Date: 05/18/2005 Sample ID: WG189200-01
 Instrument ID: HPLC4 Run Time: 18:39 Prep Method: 3535
 File ID: 4L008119.F Analyst: RDC Method: 8330
 Workgroup (AAB#): WG189374 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPLC4-10-MAY-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
1,3,5-Trinitrobenzene	0.250	1.00	0.250	1	U
1,3-Dinitrobenzene	0.250	1.00	0.250	1	U
2,4,6-Trinitrotoluene	0.250	1.00	0.250	1	U
2,4-Dinitrotoluene	0.250	1.00	0.250	1	U
2,6-Dinitrotoluene	0.250	1.00	0.250	1	U
2-Amino-4,6-dinitrotoluene	0.250	1.00	0.250	1	U
2-Nitrotoluene	0.250	1.00	0.250	1	U
3-Nitrotoluene	0.250	1.00	0.250	1	U
4-Nitrotoluene	0.250	1.00	0.250	1	U
4-Amino-2,6-dinitrotoluene	0.250	1.00	0.250	1	U
HMX	0.250	1.00	0.250	1	U
Nitrobenzene	0.250	1.00	0.250	1	U
RDX	0.250	1.00	0.250	1	U
Tetryl	0.250	1.00	0.250	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
3,4-Dinitrotoluene	92.7	50 - 150	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

ND Analyte Not detected at or above reporting limit

KEMRON Environmental Services
LABORATORY CONTROL SAMPLES

00094239

Login Number: L0505338 Analyst: RDC Prep Method: 3535
Instrument ID: HPLC4 Matrix: Water Method: 8330
Workgroup (AAB#): WG189374 Units: ug/L
Sample ID: WG189200-02 LCS File ID: 4L008120.F Run Date: 05/18/2005 19:16
Sample ID: WG189200-03 LCS2 File ID: 4L008121.F Run Date: 05/18/2005 19:53

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
1,3,5-Trinitrobenzene	1.00	0.963	96.3	1.00	0.933	93.3	3.08	58 - 120	40	
1,3-Dinitrobenzene	1.00	1.02	102	1.00	1.01	101	1.16	68 - 135	40	
2,4,6-Trinitrotoluene	1.00	0.957	95.7	1.00	0.955	95.5	0.235	27 - 137	40	
2,4-Dinitrotoluene	1.00	0.969	96.9	1.00	1.02	102	4.70	69 - 109	40	
2,6-Dinitrotoluene	1.00	0.931	93.1	1.00	1.00	100	7.21	55 - 121	40	
2-Amino-4,6-dinitrotoluene	1.00	0.980	98.0	1.00	1.03	103	4.85	72 - 112	40	
2-Nitrotoluene	1.00	0.991	99.1	1.00	0.979	97.9	1.21	67 - 121	40	
3-Nitrotoluene	1.00	1.09	109	1.00	1.02	102	6.58	66 - 110	40	
4-Nitrotoluene	1.00	1.04	104	1.00	1.01	101	2.85	68 - 110	40	
4-Amino-2,6-dinitrotoluene	1.00	0.972	97.2	1.00	1.02	102	5.08	74 - 116	40	
HMX	1.00	0.870	87.0	1.00	0.867	86.7	0.393	54 - 99	40	
Nitrobenzene	1.00	1.05	105	1.00	1.03	103	1.90	70 - 131	40	
RDX	1.00	0.905	90.5	1.00	0.882	88.2	2.57	60 - 116	40	
Tetryl	1.00	0.913	91.3	1.00	0.916	91.6	0.313	10 - 147	40	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
3,4-Dinitrotoluene	98.5	96.9	50 - 150	PASS

* FAILS %REC LIMIT

FAILS RPD LIMIT

Login Number: L0505338
Analytical Method: 8330
ICAL Workgroup: WG188649

Instrument ID: HPLC4
Initial Calibration Date: 10-MAY-05

Analyte		AVG RF	% RSD	R2	QUAD
1,3,5-Trinitrobenzene		2.337	3.55		
1,3-Dinitrobenzene		1.680	2.16		
2,4,6-Trinitrotoluene		2.420	2.92		
2,4-Dinitrotoluene		2.053	1.99		
2,6-Dinitrotoluene		3.328	2.02		
2-Amino-4,6-Dinitrotoluene		2.838	1.80		
2-Nitrotoluene		5.137	10.8		
3-Nitrotoluene		4.488	9.41		
4-Amino-2,6-Dinitrotoluene		4.191	5.77		
4-Nitrotoluene		6.412	14.3		
HMX		6.434	6.84		
Nitrobenzene		2.624	2.59		
RDX		5.492	5.79		
Tetryl		3.326	4.67		
3,4-Dinitrotoluene		4.439	1.93		

Login Number: L0505338
 Analytical Method: 8330

Instrument ID: HPLC4
 Initial Calibration Date: 10-MAY-05

Analyte	WG188649-01			WG188649-02		
	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	1000	446.747985839 844	2.238	500	217.363265991 211	2.300
1,3-Dinitrobenzene	1000	610.393554687 5	1.638	500	297.770141601 562	1.679
2,4,6-Trinitrotoluene	1000	423.587219238 281	2.361	500	205.149398803 711	2.437
2,4-Dinitrotoluene	1000	491.474548339 844	2.035	500	241.727981567 383	2.068
2,6-Dinitrotoluene	1000	306.740966796 875	3.260	500	150.109741210 938	3.331
2-Amino-4,6-Dinitrotoluene	1000	356.675018310 547	2.804	500	174.739929199 219	2.861
2-Nitrotoluene	1000	217.673385620 117	4.594	500	106.485511779 785	4.695
3-Nitrotoluene	1000	241.557525634 766	4.140	500	119.209320068 359	4.194
4-Amino-2,6-Dinitrotoluene	1000	245.562728881 836	4.072	500	121.182357788 086	4.126
4-Nitrotoluene	1000	176.280899047 852	5.673	500	86.6534042358 398	5.770
HMX	1000	167.391983032 227	5.974	500	83.7672042846 68	5.969
Nitrobenzene	1000	391.546417236 328	2.554	500	190.168502807 617	2.629
RDX	1000	197.137145996 094	5.073	500	95.2293777465 82	5.250
Tetryl	1000	302.889862060 547	3.302	500	148.361892700 195	3.370
3,4-Dinitrotoluene	1000	228.897964477 539	4.369	500	111.949325561 523	4.466

Login Number: L0505338
 Analytical Method: 8330

Instrument ID: HPLC4
 Initial Calibration Date: 10-MAY-05

Analyte	WG188649-03			WG188649-04		
	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	100	43.9480476379 395	2.275	50.0	20.9770450592 041	2.384
1,3-Dinitrobenzene	100	61.0492401123 047	1.638	50.0	29.0301837921 143	1.722
2,4,6-Trinitrotoluene	100	42.4625701904 297	2.355	50.0	19.8592967987 061	2.518
2,4-Dinitrotoluene	100	49.4773139953 613	2.021	50.0	23.4665546417 236	2.131
2,6-Dinitrotoluene	100	30.5008087158 203	3.279	50.0	14.5424079895 02	3.438
2-Amino-4,6-Dinitrotoluene	100	35.8206291198 73	2.792	50.0	17.3286323547 363	2.885
2-Nitrotoluene	100	21.1161098480 225	4.736	50.0	9.81066989898 682	5.096
3-Nitrotoluene	100	22.8780727386 475	4.371	50.0	10.5555210113 525	4.737
4-Amino-2,6-Dinitrotoluene	100	24.9738521575 928	4.004	50.0	11.9111776351 929	4.198
4-Nitrotoluene	100	16.7205638885 498	5.981	50.0	7.19282722473 145	6.951
HMX	100	16.1851272583 008	6.179	50.0	7.32371282577 515	6.827
Nitrobenzene	100	39.1169166564 941	2.556	50.0	18.6831703186 035	2.676
RDX	100	18.7005863189 697	5.347	50.0	8.75935649871 826	5.708
Tetryl	100	30.3004760742 188	3.300	50.0	14.2716827392 578	3.503
3,4-Dinitrotoluene	100	23.1127471923 828	4.327	50.0	11.2356529235 84	4.450

Login Number: L0505338
 Analytical Method: 8330

Instrument ID: HPLC4
 Initial Calibration Date: 10-MAY-05

Analyte	WG188649-05			WG188649-06		
	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	25.0	10.6327896118 164	2.351	10.0	4.04599857330 322	2.472
1,3-Dinitrobenzene	25.0	14.5816869735 718	1.714	10.0	5.93036365509 033	1.686
2,4,6-Trinitrotoluene	25.0	10.5805749893 188	2.363	10.0	4.02031326293 945	2.487
2,4-Dinitrotoluene	25.0	12.3679714202 881	2.021	10.0	4.89648914337 158	2.042
2,6-Dinitrotoluene	25.0	7.61175775527 954	3.284	10.0	2.96465897560 12	3.373
2-Amino-4,6-Dinitrotoluene	25.0	8.97884654998 779	2.784	10.0	3.44587087631 226	2.902
2-Nitrotoluene	25.0	4.36431169509 888	5.728	10.0	1.67381870746 613	5.974
3-Nitrotoluene	25.0	5.99579048156 738	4.170	10.0	1.88199961185 455	5.313
4-Amino-2,6-Dinitrotoluene	25.0	6.19186067581 177	4.038	10.0	2.12365388870 239	4.709
4-Nitrotoluene	25.0	4.35747051239 014	5.737	10.0	1.19627869129 181	8.359
HMX	25.0	3.66805291175 842	6.816	10.0	1.46236836910 248	6.838
Nitrobenzene	25.0	9.61166191101 074	2.601	10.0	3.66661310195 923	2.727
RDX	25.0	4.40615510940 552	5.674	10.0	1.69513332843 781	5.899
Tetryl	25.0	7.30986118316 65	3.420	10.0	3.26436543464 661	3.063
3,4-Dinitrotoluene	25.0	5.61809825897 217	4.450	10.0	2.18606066703 796	4.574

KEMRON Environmental Services
ALTERNATE SOURCE CALIBRATION REPORT

00094244

Login Number: L0505338 Run Date: 05/10/2005 Sample ID: WG188649-07
Instrument ID: HPLC4 Run Time: 17:56 Method: 8330
File ID: 4L007976.F Analyst: 833
ICal Workgroup: WG188649 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	52.7	2.25	5.5	ug/L	
1,3-Dinitrobenzene	50	51.8	1.65	3.5	ug/L	
2,4,6-Trinitrotoluene	50	55.3	2.23	10.5	ug/L	
2,4-Dinitrotoluene	50	57.0	1.82	14.1	ug/L	
2,6-Dinitrotoluene	50	54.6	3.10	9.2	ug/L	
2-Amino-4,6-Dinitrotoluene	50	55.1	2.61	10.2	ug/L	
2-Nitrotoluene	50	48.3	5.26	3.3	ug/L	
3-Nitrotoluene	50	51.2	4.38	2.4	ug/L	
4-Nitrotoluene	50	45.1	7.07	9.7	ug/L	
4-Amino-2,6-Dinitrotoluene	50	56.1	3.69	12.2	ug/L	
HMX	50	50.6	6.30	1.2	ug/L	
Nitrobenzene	50	51.9	2.58	3.8	ug/L	
RDX	50	54.4	5.15	8.7	ug/L	
Tetryl	50	55.1	3.09	10.2	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094245

Login Number: L0505338 Run Date: 05/18/2005 Sample ID: WG189347-01
Instrument ID: HPLC4 Run Time: 18:01 Method: 8330
File ID: 4L008118.F Analyst: RDC
Workgroup (AAB#): WG189374 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	51.9	2.29	3.7	ug/L	
1,3-Dinitrobenzene	50	50.7	1.69	1.4	ug/L	
2,4,6-Trinitrotoluene	50	44.5	2.80	11	ug/L	
2,4-Dinitrotoluene	50	53.4	1.95	6.9	ug/L	
2,6-Dinitrotoluene	50	49.9	3.40	.2	ug/L	
2-Amino-4,6-Dinitrotoluene	50	50.6	2.84	1.3	ug/L	
2-Nitrotoluene	50	52.8	4.77	5.6	ug/L	
3-Nitrotoluene	50	53.3	4.19	6.6	ug/L	
4-Nitrotoluene	50	53.2	5.88	6.4	ug/L	
4-Amino-2,6-Dinitrotoluene	50	43.3	4.80	13.4	ug/L	
HMX	50	54.0	5.88	8	ug/L	
Nitrobenzene	50	45.3	2.97	9.4	ug/L	
RDX	50	54.2	5.18	8.3	ug/L	
Tetryl	50	42.8	4.01	14.3	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094246

Login Number: L0505338 Run Date: 05/19/2005 Sample ID: WG189347-02
Instrument ID: HPLC4 Run Time: 00:51 Method: 8330
File ID: 4L008129.F Analyst: RDC
Workgroup (AAB#): WG189374 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	52.3	2.27	4.7	ug/L	
1,3-Dinitrobenzene	50	51.4	1.66	2.8	ug/L	
2,4,6-Trinitrotoluene	50	54.5	2.27	9.1	ug/L	
2,4-Dinitrotoluene	50	53.1	1.96	6.2	ug/L	
2,6-Dinitrotoluene	50	51.1	3.32	2.2	ug/L	
2-Amino-4,6-Dinitrotoluene	50	51.2	2.81	2.5	ug/L	
2-Nitrotoluene	50	54.5	4.61	8.9	ug/L	
3-Nitrotoluene	50	54.0	4.13	8	ug/L	
4-Nitrotoluene	50	53.7	5.82	7.5	ug/L	
4-Amino-2,6-Dinitrotoluene	50	50.4	4.12	.7	ug/L	
HMX	50	50.6	6.30	1.2	ug/L	
Nitrobenzene	50	49.9	2.68	.2	ug/L	
RDX	50	52.9	5.31	5.8	ug/L	
Tetryl	50	44.6	3.85	10.7	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094247

Login Number: L0505338 Run Date: 05/24/2005 Sample ID: WG189639-02
Instrument ID: HPLC4 Run Time: 00:24 Method: 8330
File ID: 4L008203.F Analyst: RDC
Workgroup (AAB#): WG189374 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	49.5	2.41	1	ug/L	
1,3-Dinitrobenzene	50	51.5	1.66	3.1	ug/L	
2,4,6-Trinitrotoluene	50	51.6	2.40	3.1	ug/L	
2,4-Dinitrotoluene	50	52.2	1.99	4.4	ug/L	
2,6-Dinitrotoluene	50	48.6	3.49	2.7	ug/L	
2-Amino-4,6-Dinitrotoluene	50	54.3	2.65	8.6	ug/L	
2-Nitrotoluene	50	47.7	5.34	4.7	ug/L	
3-Nitrotoluene	50	48.8	4.60	2.3	ug/L	
4-Nitrotoluene	50	43.4	7.38	13.1	ug/L	
4-Amino-2,6-Dinitrotoluene	50	56.7	3.65	13.3	ug/L	
HMX	50	49.5	6.45	.9	ug/L	
Nitrobenzene	50	57.0	2.34	14	ug/L	
RDX	50	50.3	5.62	.6	ug/L	
Tetryl	50	47.4	3.62	5.3	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094248

Login Number: L0505338 Run Date: 05/24/2005 Sample ID: WG189639-03
Instrument ID: HPLC4 Run Time: 07:14 Method: 8330
File ID: 4L008214.F Analyst: RDC
Workgroup (AAB#): WG189374 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	50.4	2.36	.7	ug/L	
1,3-Dinitrobenzene	50	50.3	1.70	.6	ug/L	
2,4,6-Trinitrotoluene	50	49.9	2.48	.1	ug/L	
2,4-Dinitrotoluene	50	50.3	2.07	.6	ug/L	
2,6-Dinitrotoluene	50	50.9	3.33	1.7	ug/L	
2-Amino-4,6-Dinitrotoluene	50	51.5	2.79	3	ug/L	
2-Nitrotoluene	50	48.5	5.24	3	ug/L	
3-Nitrotoluene	50	49.8	4.51	.4	ug/L	
4-Nitrotoluene	50	45.0	7.10	10.1	ug/L	
4-Amino-2,6-Dinitrotoluene	50	52.8	3.93	5.6	ug/L	
HMX	50	50.5	6.32	1	ug/L	
Nitrobenzene	50	52.2	2.56	4.3	ug/L	
RDX	50	51.2	5.50	2.5	ug/L	
Tetryl	50	45.4	3.78	9.3	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094249

Login Number: L0505338 Run Date: 05/24/2005 Sample ID: WG189639-04
Instrument ID: HPLC4 Run Time: 10:57 Method: 8330
File ID: 4L008220.F Analyst: RDC
Workgroup (AAB#): WG189374 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	50.1	2.37	.2	ug/L	
1,3-Dinitrobenzene	50	50.4	1.70	.9	ug/L	
2,4,6-Trinitrotoluene	50	49.8	2.49	.5	ug/L	
2,4-Dinitrotoluene	50	50.8	2.05	1.5	ug/L	
2,6-Dinitrotoluene	50	50.4	3.37	.8	ug/L	
2-Amino-4,6-Dinitrotoluene	50	51.3	2.81	2.6	ug/L	
2-Nitrotoluene	50	52.1	4.84	4.3	ug/L	
3-Nitrotoluene	50	49.6	4.53	.9	ug/L	
4-Nitrotoluene	50	47.5	6.68	5.1	ug/L	
4-Amino-2,6-Dinitrotoluene	50	51.1	4.06	2.2	ug/L	
HMX	50	48.8	6.55	2.3	ug/L	
Nitrobenzene	50	53.3	2.50	6.7	ug/L	
RDX	50	51.1	5.52	2.2	ug/L	
Tetryl	50	49.7	3.44	.5	ug/L	

* Exceeds %D Limit



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: LHAAP-024

Page 1 of 1

Project Number: 845714

Samples Shipment Date: 16 MAY 2005

Bill To: Diane Meyer

3010 Briarpark Drive

Houston

TX 77042

Project Name: Longhorn Army Ammunition Plant Lab Destination: Kemron Lab

Sample Coordinator: Phil Conley

Lab Contact: Stephanie Mossburg

Report To: Diane Meyer

3010 Briarpark Drive

Houston

TX 77042

Turnaround Time:

Project Contact: Diane Meyer

Carrier/Waybill No.: UPS/J178 825 540 6

Special Instructions:

Possible Hazard Identification:

Non-hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown ☐Radiological ☐

Sample Disposal:

Return to Client ☐Disposal by Lab ☐

Archive

(mos.)

1. Relinquished By
(Signature/Affiliation)

Date:

Time:

1. Received By
(Signature/Affiliation)

Date:

Time:

2. Relinquished By
(Signature/Affiliation)

Date:

Time:

2. Received By
(Signature/Affiliation)

Date:

Time:

3. Relinquished By
(Signature/Affiliation)

Date:

Time:

3. Received By
(Signature/Affiliation)

Date:

Time:

Comments:

c/c sealed
Subcontact
Cooler Temp 5
by

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	File	CID	Condition On Receipt
29WW05-MAY05	29WW05-GW-29WW05-MAY05-REG	16 MAY 2005	10:52	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330			N	KL17C	
29WW05-MAY05	29WW05-GW-29WW05-MAY05-D-FD	16 MAY 2005	10:52	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330			N	KL17C	
29WW119-MAY05	119-GW-29WW119-MAY05-REG	15 MAY 2005	09:05	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330			N	KL17C	
29WW21-MAY05	29WW21-GW-29WW21-MAY05-REG	16 MAY 2005	11:00	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330			N	KL17C	
29WW22-MAY05	29WW22-GW-29WW22-MAY05-REG	16 MAY 2005	10:10	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330			N	KL17C	

KEMRON Environmental Services
Internal Chain of Custody Report

00094251

Login: L0505338

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 5

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505338-01 133444 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:35	BRG	
2	PREP	W1	EXT	17-MAY-2005 12:56	CEB	BRG
3	DISP	EXT	DISP	18-MAY-2005 08:54	JKT	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:35	BRG	
2	STORE	W1	A1	17-MAY-2005 14:42	CEB	CEB

Samplenum **Container ID** **Products**

L0505338-02 133445 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:35	BRG	
2	PREP	W1	EXT	17-MAY-2005 12:57	CEB	BRG
3	DISP	EXT	DISP	18-MAY-2005 08:54	JKT	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:35	BRG	
2	STORE	W1	A1	17-MAY-2005 14:42	CEB	CEB

Samplenum **Container ID** **Products**

L0505338-03 133446 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:35	BRG	
2	PREP	W1	EXT	17-MAY-2005 12:57	CEB	BRG
3	DISP	EXT	DISP	18-MAY-2005 08:54	JKT	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:35	BRG	
2	STORE	W1	A1	17-MAY-2005 14:42	CEB	CEB

KEMRON Environmental Services
Internal Chain of Custody Report

00094252

Login: L0505338

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 5

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505338-04 133447 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:35	BRG	
2	PREP	W1	EXT	17-MAY-2005 12:57	CEB	BRG
3	DISP	EXT	DISP	18-MAY-2005 08:54	JKT	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:35	BRG	
2	STORE	W1	A1	17-MAY-2005 14:42	CEB	CEB

Samplenum **Container ID** **Products**

L0505338-05 133448 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:35	BRG	
2	PREP	W1	EXT	17-MAY-2005 12:57	CEB	BRG
3	DISP	EXT	DISP	18-MAY-2005 08:54	JKT	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:35	BRG	
2	STORE	W1	A1	17-MAY-2005 14:42	CEB	CEB

SAMPLE RECEIPT FORM

00094253

Date: 5-17-05 Client: Shaw-LH
 Shipped By: () Fed-Ex (☒) UPS () DHL () KEMRON () Client () Other
 Opened By: Bug
 Logged By: Bug Login # L05 05338
 IR Temp Gun: ☒ D () F

156 STARLITE DRIVE
 MARIETTA, OH
 45750
 (740) 373-4071

COOLER INFORMATION

Number	Cooler ID	Temp °C	Airbill#	COC#	Other
1	KL1484	3	J1788255433	020	
2	KL1519	4	J1788255424	023	
3	KL1316	1	J1788255442	021	
4	KL1665	2	J1788255460	019	
5	KL1045	2	J1800104053	025	
6	KL1706	5	J1788255406	024	

Were all coolers sealed? ☒ Y N N/A
 Were custody seals used on all coolers? ☒ Y N N/A
 Were custody seals intact? ☒ Y N N/A
 Was visible ice present? ☒ Y N N/A
 Were all coolers in the temperature range of 2-6C? (>6C*) Y ☒ N N/A
 Were the samples frozen? Y ☒ N N/A
 Were COC papers provided? ☒ Y N N/A
 Were all sample containers intact? ☒ Y N N/A
 Were all sample labels intact? ☒ Y N N/A
 Were all sample labels legible? ☒ Y N N/A
 Did all sample labels match the COC? Y ☒ N N/A
 Was the label information complete? ☒ Y N N/A
 Were the correct containers used? ☒ Y N N/A
 Were the correct preservatives added to water samples? Y N ☒ N/A
 Was the pH tested on preserved water samples? Y N ☒ N/A
 Were pH ranges acceptable? Y N ☒ N/A
 Was sufficient amount of sample provided? ☒ Y N N/A
 Were bubbles present in VOA samples? Y N ☒ N/A
 Were COC's signed and dated? ☒ Y N N/A
 Did samples arrive before hold time expired? ☒ Y N N/A
 Are discrepancy forms attached? ☒ Y N N/A
 *Requires a discrepancy form

Comments: _____

CRF #1
 Revised 8/22/03

CRF#4

Sample Discrepancy Form

Client: Shaw Project: ck 024

Date Received: 5/17

☐ Cooler temperature > than 6 degrees Celsius

Reason ☐

☐ Samples received not on chain of custody

☐ Samples on chain of custody not received

☒ Information on sample containers different from chain of custody
ck 2960119 5/15 @ 905 = (1)SV 5/16 @ 0905

☐ Sample containers received broken, leaking or not sealed (List sample ID)

☐ pH out (List sample ID, which container, pH prior to adjusting, amount of acid, preservative)

☐ Insufficient sample volume

☐ Air bubbles present in VOA vials (List sample ID)

☐ Hold time expired (List sample ID)

Service Representative:

Was client notified regarding information: **YES**

NO

Name of Person contacted: _____

Company: _____

Service Representative: _____

Date: _____

Last Revised 08/22/03



156 Starlite Drive, Marietta, OH 45750 • TEL 740-373-4071 • FAX 740-373-4835 • <http://www.kemron.com>

Laboratory Report Number: L0505339

Please find enclosed the analytical results for the samples you submitted to KEMRON Environmental Services.

Review and compilation of your report was completed by KEMRON's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact our team member noted in the Reviewed box below at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

Debra Elliott - Team Leader
delliott@kemron-lab.com

Amanda Fickiesen - Client Services Specialist
afickiesen@kemron-lab.com

Cheryl Koelsch - Team Chemist/Data Specialist
ckoelsch@kemron-lab.com

Annie Bock - Client Services Specialist
abock@kemron-lab.com

Stephanie Mossburg - Team Chemist/Data Specialist
smossburg@kemron-lab.com

Vicki Lauer - Client Services Specialist
vlauer@kemron-lab.com

Kathy Albertson - Team Chemist/Data Specialist
kalbertson@kemron-lab.com

Micalyn Harris - Team Chemist/Data Specialist
mharris@kemron-lab.com

This report was reviewed on May 24, 2005:

A handwritten signature in cursive script, reading "Stephanie Mossburg".

I certify that all test results meet all of the requirements of the NELAP standards and other applicable contract terms and conditions. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on an 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of KEMRON Environmental Services.

This report was certified on May 24, 2005:

A handwritten signature in cursive script, reading "David E. Vandenberg".

FL DOH NELAP ID: E87551

This report contains a total of 33 pages.

Protecting Our Environmental Future

LABORATORY REPORT

L0505339

00094256

05/24/05 15:10

Submitted By

KEMRON Environmental Services

156 Starlite Drive

Marietta , OH 45750

(740) 373 - 4071

For

Account Name: Shaw E & I, Inc.

ABB Lummus Building

3010 Briarpark

Houston, TX 77042

Attention: Diane Mever

Account Number: 307-ALLIANCE-798

Work ID: LONGHORN AAP

P.O. Number: 98696

Sample Summary

Client ID	Lab ID	Date Collected	Date Received
29WW01-MAY05	L0505339-01	13-MAY-05	17-MAY-05
29WW114-MAY05	L0505339-02	14-MAY-05	17-MAY-05
29WW14-MAY05	L0505339-03	14-MAY-05	17-MAY-05
29WW27-MAY05	L0505339-04	14-MAY-05	17-MAY-05
29WW28-MAY05	L0505339-05	15-MAY-05	17-MAY-05

KEMRON ENVIRONMENTAL SERVICES
REPORT NARRATIVE

KEMRON Login No.: L0505339

CHAIN OF CUSTODY: The chain of custody number was LHAAP-017

SHIPMENT CONDITIONS: The chain of custody forms were received sealed in a cooler. The cooler temperature was 4 degrees C.

SAMPLE MANAGEMENT: All samples received were intact. There were several time discrepancies between the COC and the labels. The client was notified.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Approved: 17-MAY-05

<i>Stephanie Moseburg</i>

KEMRON ENVIRONMENTAL SERVICES
HPLC-EXPLOSIVE RESIDUES

KEMRON Login No.: L0505339

METHOD

Analysis: SW-846 8330

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds linear equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Matrix Spikes: The MS/MSD results were not associated with this sample delivery group.

SAMPLES

Surrogates: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Manual Integration Reason Codes

KEMRON laboratory management has identified four general cases with valid reasons supporting the use of manual integration techniques.

Reason #1: Data System Fails to Select Correct Peak

In some cases the chromatography system selects and integrates the "wrong peak". In this case the analyst must correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

'Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak.

This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is

incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

00094259

Reason #3: Improperly Integrated Isomers and/or coeluting compounds.

This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline

There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous

Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: RDC

Approved: 24-MAY-05



Report Number: L0505339

Report Date : May 24, 2005

00094260

Sample Number: L0505339-01
 Client ID: 29WW01-MAY05
 Matrix: Water
 Workgroup Number: WG189374
 Collect Date: 13-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/17/2005 11:40
 Cal Date: 05/10/2005 17:19
 Run Date: 05/19/2005 01:28
 File ID: 4L008130.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.03	0.258
1,3-Dinitrobenzene	99-65-0		U	1.03	0.258
2,4,6-Trinitrotoluene	118-96-7		U	1.03	0.258
2,4-Dinitrotoluene	121-14-2		U	1.03	0.258
2,6-Dinitrotoluene	606-20-2		U	1.03	0.258
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.03	0.258
2-Nitrotoluene	88-72-2		U	1.03	0.258
3-Nitrotoluene	99-08-1		U	1.03	0.258
4-Nitrotoluene	99-99-0		U	1.03	0.258
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.03	0.258
HMX	2691-41-0		U	1.03	0.258
Nitrobenzene	98-95-3		U	1.03	0.258
RDX	121-82-4		U	1.03	0.258
Tetryl	479-45-8		U	1.03	0.258
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	91.3	50	150		

U Not detected at or above adjusted sample detection limit

Sample Number: L0505339-02
 Client ID: 29WW114-MAY05
 Matrix: Water
 Workgroup Number: WG189374
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/17/2005 11:40
 Cal Date: 05/10/2005 17:19
 Run Date: 05/19/2005 02:06
 File ID: 4L008131.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.03	0.258
1,3-Dinitrobenzene	99-65-0		U	1.03	0.258
2,4,6-Trinitrotoluene	118-96-7		U	1.03	0.258
2,4-Dinitrotoluene	121-14-2		U	1.03	0.258
2,6-Dinitrotoluene	606-20-2		U	1.03	0.258
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.03	0.258
2-Nitrotoluene	88-72-2		U	1.03	0.258
3-Nitrotoluene	99-08-1		U	1.03	0.258
4-Nitrotoluene	99-99-0		U	1.03	0.258
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.03	0.258
HMX	2691-41-0		U	1.03	0.258
Nitrobenzene	98-95-3		U	1.03	0.258
RDX	121-82-4		U	1.03	0.258
Tetryl	479-45-8		U	1.03	0.258
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	85.7	50	150		

U Not detected at or above adjusted sample detection limit

Report Number: L0505339

Report Date : May 24, 2005

00094261

Sample Number: L0505339-03
 Client ID: 29WW14-MAY05
 Matrix: Water
 Workgroup Number: WG189374
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/17/2005 11:40
 Cal Date: 05/10/2005 17:19
 Run Date: 05/19/2005 02:43
 File ID: 4L008132.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.00	0.250
1,3-Dinitrobenzene	99-65-0		U	1.00	0.250
2,4,6-Trinitrotoluene	118-96-7		U	1.00	0.250
2,4-Dinitrotoluene	121-14-2		U	1.00	0.250
2,6-Dinitrotoluene	606-20-2		U	1.00	0.250
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.00	0.250
2-Nitrotoluene	88-72-2		U	1.00	0.250
3-Nitrotoluene	99-08-1		U	1.00	0.250
4-Nitrotoluene	99-99-0		U	1.00	0.250
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.00	0.250
HMX	2691-41-0		U	1.00	0.250
Nitrobenzene	98-95-3		U	1.00	0.250
RDX	121-82-4		U	1.00	0.250
Tetryl	479-45-8		U	1.00	0.250
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	90.8	50	150		

U Not detected at or above adjusted sample detection limit

Sample Number: L0505339-04
 Client ID: 29WW27-MAY05
 Matrix: Water
 Workgroup Number: WG189374
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/17/2005 11:40
 Cal Date: 05/10/2005 17:19
 Run Date: 05/19/2005 03:20
 File ID: 4L008133.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.03	0.258
1,3-Dinitrobenzene	99-65-0		U	1.03	0.258
2,4,6-Trinitrotoluene	118-96-7		U	1.03	0.258
2,4-Dinitrotoluene	121-14-2		U	1.03	0.258
2,6-Dinitrotoluene	606-20-2		U	1.03	0.258
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.03	0.258
2-Nitrotoluene	88-72-2		U	1.03	0.258
3-Nitrotoluene	99-08-1		U	1.03	0.258
4-Nitrotoluene	99-99-0		U	1.03	0.258
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.03	0.258
HMX	2691-41-0		U	1.03	0.258
Nitrobenzene	98-95-3		U	1.03	0.258
RDX	121-82-4		U	1.03	0.258
Tetryl	479-45-8		U	1.03	0.258
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	91.1	50	150		

U Not detected at or above adjusted sample detection limit

Report Number: **L0505339**Report Date : **May 24, 2005****00094262**

Sample Number: L0505339-05	Prep Method: 3535	Instrument: HPLC4
Client ID: 29WW28-MAY05	Analytical Method: 8330	Prep Date: 05/17/2005 11:40
Matrix: Water	Analyst: RDC	Cal Date: 05/10/2005 17:19
Workgroup Number: WG189374	Dilution: 1	Run Date: 05/19/2005 03:57
Collect Date: 15-MAY-05	Units: ug/L	File ID: 4L008134.F
Sample Tag: 01		

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.00	0.250
1,3-Dinitrobenzene	99-65-0		U	1.00	0.250
2,4,6-Trinitrotoluene	118-96-7		U	1.00	0.250
2,4-Dinitrotoluene	121-14-2		U	1.00	0.250
2,6-Dinitrotoluene	606-20-2		U	1.00	0.250
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.00	0.250
2-Nitrotoluene	88-72-2		U	1.00	0.250
3-Nitrotoluene	99-08-1		U	1.00	0.250
4-Nitrotoluene	99-99-0		U	1.00	0.250
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.00	0.250
HMX	2691-41-0		U	1.00	0.250
Nitrobenzene	98-95-3		U	1.00	0.250
RDX	121-82-4		U	1.00	0.250
Tetryl	479-45-8		U	1.00	0.250
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	91.0	50	150		

U Not detected at or above adjusted sample detection limit

WORKGROUP SUMMARY BY METHOD

Analysis:Explosives

Extraction Method:3535

Workgroup:WG189200

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505339-01	29WW01-MAY05		05/17/05 11:40			SPE	CEB
L0505339-02	29WW114-MAY05		05/17/05 11:40			SPE	CEB
L0505339-03	29WW14-MAY05		05/17/05 11:40			SPE	CEB
L0505339-04	29WW27-MAY05		05/17/05 11:40			SPE	CEB
L0505339-05	29WW28-MAY05		05/17/05 11:40			SPE	CEB

Analysis:Explosives

Analytical Method:8330

Workgroup:WG189374

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505339-01	29WW01-MAY05		05/17/05 11:40	05/19/05 01:28	01	HPLC4	RDC
L0505339-02	29WW114-MAY05		05/17/05 11:40	05/19/05 02:06	01	HPLC4	RDC
L0505339-03	29WW14-MAY05		05/17/05 11:40	05/19/05 02:43	01	HPLC4	RDC
L0505339-04	29WW27-MAY05		05/17/05 11:40	05/19/05 03:20	01	HPLC4	RDC
L0505339-05	29WW28-MAY05		05/17/05 11:40	05/19/05 03:57	01	HPLC4	RDC

Kemron Environmental Services
Analyst Listing May 24, 2005

AJF - AMANDA J. FICKIESEN	ALB - ANNIE L. BOCK	ALT - ANN L. THAYER
BRG - BRENDA R. GREGORY	CAF - CHERYL A. FLOWERS	CAK - CHERYL A. KOELSCH
CEB - CHAD E. BARNES	CLC - CHRYS L. CRAWFORD	CLK - CARL L. KING
CLS - CARA L. STRICKLER	CLW - CHARISSA L. WINTERS	CM - CHARLIE MARTIN
CMS - CRYSTAL M. STEPHENS	CPD - CHAD P. DAVIS	CRC - CARLA R. COCHRAN
CSH - CHRIS S. HILL	DAS - DALLAS A. SULLIVAN	DD - DIANE M. DENNIS
DDE - DEBRA D. ELLIOTT	DEL - DON E. LIGHTFRITZ	DEV - DAVID E. VANDENBERG
DGB - DOUGLAS G. BUTCHER	DIH - DEANNA I. HESSON	DLB - DAVID L. BUMGARNER
DLP - DOROTHY L. PAYNE	DLR - DIANNA L. RAUCH	DP - DEANNA L. PIERSON
DR - DEANNA ROBERTS	DRB - DOUG R. BARNETT	DSM - DAVID S. MOSSOR
DST - DENNIS S. TEPE	ECL - ERIC C. LAWSON	ED - EMILY E. DECKER
HAV - HEMA VILASAGAR	JAL - JOHN A. LENT	JJG - JOHN J. GREUEY
JKT - JANE K. THOMPSON	JLS - JANICE L. SCHIMMEL	JWR - JOHN W. RICHARDS
JWS - JACK W. SHEAVES	JYH - JI Y. HU	KEB - KATHRYN E. BARNES
KHR - KIM H. RHODES	KRA - KATHY R. ALBERTSON	LKN - LINDA K. NEDEFF
LSA - LUCINDA S. ARNOLD	LSB - LESLIE S. BUCINA	MAH - MICALYN A. HARRIS
MDA - MICHAEL D. ALBERTSON	MDC - MICHAEL D. COCHRAN	MES - MARY E. SCHILLING
MKZ - MARILYN K. ZUMBRO	MLR - MARY L. ROCHOTTE	MLS - MICHAEL L. SCHIMMEL
MMB - MAREN M. BEERY	MSW - MATT S. WILSON	NJB - NATALIE J. BOOTH
OGT - OKEY G. TUCKER	PAS - PATRICK A. STREET	RB - ROBERT BUCHANAN
RDC - REBECCA D. CUTLIP	REK - ROBERT E. KYER	RWC - RODNEY W. CAMPBELL
SCM - SUSAN C. MOELLENDICK	SK - SANDRA KEENER	SLM - STEPHANIE L. MOSSBURG
SLP - SHERI L. PFALZGRAF	SMH - SHAUNA M. HYDE	TD - TIMOTHY DYSERT
TMM - TAMMY M. MORRIS	VC - VICKI COLLIER	VKL - VICKY K. LAUER

KEMRON Environmental Services, Inc.

List of Valid Qualifiers

May 24, 2005

These are KEMRON's standard report qualifiers:

B	Present in the method blank	NS	Not spiked
C	Confirmed by GC/MS	P	Concentration >40% difference between the two GC columns
CG	Confluent growth		
D	The analyte was quantified as a secondary dilution factor	QNS	Quantity not sufficient to perform analysis
DL	Surrogate or spike was diluted out	RA	Reanalysis confirms reported results
		RE	Reanalysis confirms sample matrix interference
E	Estimated concentration due to sample matrix interference	S	Analyzed by method of standard addition
FL	Free liquid	SMI	Sample matrix interference on surrogate
I	Semi-quantitative result, out of instrument calibration range	SP	Reported results are for spike compounds only
J	Present below normal reporting limit	TNTC	Too numerous to count
L	Sample reporting limits elevated due to matrix interference	U	Analyzed for but not detected
N	Tentatively Identified Compound (TIC)	W	Post-digestion spike for furnace AA out of control limits
NA	Not applicable	X	Exceeds regulatory limit
ND	Not detected at or above the reporting limit (RL)	Z	Can not be resolved from isomer.***
NF	Not found	+	Correlation coefficient for the MSA is less than 0.995
NFL	No free liquid	<	Less than
NI	Non-ignitable	>	Greater than
		*	Surrogate or spike compound out of range

*****Special Notes for Organic Analytes**

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound and are matrix dependent.

AFCEE Qualifiers

These are KEMRON's AFCEE Report Qualifiers

- J** The analyte was positively identified, the quantitation is an estimation.
- U** The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL
- F** The analyte was positively identified by the associated numerical value is below the RL
- R** The data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria
- B** The analyte was found in an associated blank, as well as in the sample
- M** The matrix effect was present
- S** To be applied to all field screening data
- T** Tentatively identified compound (using GC/MS)

Organic QA/QC

Figure 1
Semi-Volatile GC Checklist

Run Date: 5-10-05
 Analyst: ECL
 Instrument: HPLC4
 Method: 8330

Login no. Due Date Priority

05-084 need rerun

		Analyst	Peer
System Performance Check:	Endrin/DDT Breakdown		
Initial Calibration:	ICAL summary	✓	✓
	Linear or quadratic regression	✓	✓
	Alt Source Check	✓	✓
Continuing Calibration:	Continuing Calibration	✓	✓
	Ending standards	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD	✓	✓
Samples:	Quant Reports/Chromatograms	✓	✓
	Mass spectra		
	Surrogates	✓	✓
	Dilution runs		
	Confirmations	NA	
	Correct Factors	✓	✓
	Manual integrations	✓	✓
Data Package:	Run logs	✓	✓
	Bench sheets		
	Upload results		
	QC forms		
	Seedpak workgroups		
Client Data	Data scanned		
	Integrations digitally signed	✓	
	Level 2 pdf files		
	Level 3/Level x		
	Level 4 copies		
	Case narratives		
		Supervisor	
	Integrations digitally cosigned	✓	
	Corrective Action		
	Results Reporting/Data Qualifiers		
	Client Data/digital signatures		
	Check for Completeness	✓	
	Check for compliance with method and project requirements	✓	
	Check the reasonableness of results	✓	

✓ = Checked & OK

NA = Not Applicable

Primary Reviewer:

ECL 5-11-05

Secondary Reviewer:

Robert Hester

Comments:

Semi-Volatile HPLC Checklist

Run Date: 18-MAY-2005Analyst: RDCInstrument: HPLC4Method: 8330

Login no.	Due Date	Priority
05-321	20-May-05	F3
05-338	24-May-05	F3
05-339	24-May-05	F3
05-340	24-May-05	F3

		Analyst	Peer
Initial Calibration:	ICAL summary		
	Linear or quadratic regression		
	Alt Source Check		
Continuing Calibration:	Continuing Calibration	✓	✓
	Ending Standards	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD		
Samples:	Quant Reports/Chromatograms	✓	✓
	TCL Hits	✓	✓
	Surrogates	✓	✓
	Dilution runs	✓	✓
	Confirmations	✓	✓
	Correct Factors		
	Manual integrations	✓	✓
Data Package:	Run logs	✓	✓
	Bench sheets	✓	✓
	Upload results	✓	✓
	QC forms	✓	✓
	Seedpak workgroups	✓	✓
Client Data	Data scanned		
	Level 2 pdf files		
	Level 3/Level x		
	Level 4 copies		
	Case narratives		
	Integrations digitally signed	✓	
	Supervisor		
Corrective Action:			
Results Reporting/Data Qualifiers:		✓	
Client Data/digital signatures			
Check for Completeness:		✓	
Check for compliance with method and project requirements:		✓	
Check the reasonableness of results:		✓	

✓ = Checked & OK

NA = Not Applicable

Primary Reviewer: RDC 5/20/05Secondary Reviewer: ndc/20/05

Comments: _____

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00094270

Analytical Method: 8330
Login Number: L0505339

AAB#: WG189374

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
29WW01-MAY05	05/13/05	05/17/05	05/17/05	7	3.80	05/19/05	40	1.58	
29WW114-MAY05	05/14/05	05/17/05	05/17/05	7	2.99	05/19/05	40	1.60	
29WW14-MAY05	05/14/05	05/17/05	05/17/05	7	2.77	05/19/05	40	1.63	
29WW27-MAY05	05/14/05	05/17/05	05/17/05	7	2.81	05/19/05	40	1.65	
29WW28-MAY05	05/15/05	05/17/05	05/17/05	7	2.08	05/19/05	40	1.68	

* EXT = SEE PROJECT QAPP REQUIREMENTS

* ANAL = SEE PROJECT QAPP REQUIREMENTS

SURROGATE STANDARDS

Login Number: L0505339
Instrument Id: HPLC4
Workgroup (AAB#): WG189374

Method: 8330
CAL ID: HPLC4 - 10-MAY-05
Matrix: WATER

Sample Number	Dilution	Tag	1
L0505339-01	1.00	01	91.3
L0505339-02	1.00	01	85.7
L0505339-03	1.00	01	90.8
L0505339-04	1.00	01	91.1
L0505339-05	1.00	01	91.0
WG189200-01	1.00	01	92.7
WG189200-02	1.00	01	98.5
WG189200-03	1.00	01	96.9

Surrogates	Surrogate Limits
1 - 3,4-Dinitrotoluene	50 - 150

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

Login Number: L0505339
Blank File ID: 4L008119.F
Date Analyzed: 05/18/05
Time Analyzed: 18:39
Analyst: RDC

Work Group: WG189374
Blank Sample ID: WG189200-01
Instrument ID: HPLC4
Method: 8330

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG189200-02	4L008120.F	05/18/05 19:16	01
LCS2	WG189200-03	4L008121.F	05/18/05 19:53	01
29WW01-MAY05	L0505339-01	4L008130.F	05/19/05 01:28	01
29WW114-MAY05	L0505339-02	4L008131.F	05/19/05 02:06	01
29WW14-MAY05	L0505339-03	4L008132.F	05/19/05 02:43	01
29WW27-MAY05	L0505339-04	4L008133.F	05/19/05 03:20	01
29WW28-MAY05	L0505339-05	4L008134.F	05/19/05 03:57	01

Login Number: L0505339 Run Date: 05/18/2005 Sample ID: WG189200-01
 Instrument ID: HPLC4 Run Time: 18:39 Prep Method: 3535
 File ID: 4L008119.F Analyst: RDC Method: 8330
 Workgroup (AAB#): WG189374 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPLC4-10-MAY-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
1,3,5-Trinitrobenzene	0.250	1.00	0.250	1	U
1,3-Dinitrobenzene	0.250	1.00	0.250	1	U
2,4,6-Trinitrotoluene	0.250	1.00	0.250	1	U
2,4-Dinitrotoluene	0.250	1.00	0.250	1	U
2,6-Dinitrotoluene	0.250	1.00	0.250	1	U
2-Amino-4,6-dinitrotoluene	0.250	1.00	0.250	1	U
2-Nitrotoluene	0.250	1.00	0.250	1	U
3-Nitrotoluene	0.250	1.00	0.250	1	U
4-Nitrotoluene	0.250	1.00	0.250	1	U
4-Amino-2,6-dinitrotoluene	0.250	1.00	0.250	1	U
HMX	0.250	1.00	0.250	1	U
Nitrobenzene	0.250	1.00	0.250	1	U
RDX	0.250	1.00	0.250	1	U
Tetryl	0.250	1.00	0.250	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
3,4-Dinitrotoluene	92.7	50 - 150	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

ND Analyte Not detected at or above reporting limit

KEMRON Environmental Services
LABORATORY CONTROL SAMPLES

00094274

Login Number: L0505339 Analyst: RDC Prep Method: 3535
Instrument ID: HPLC4 Matrix: Water Method: 8330
Workgroup (AAB#): WG189374 Units: ug/L
Sample ID: WG189200-02 LCS File ID: 4L008120.F Run Date: 05/18/2005 19:16
Sample ID: WG189200-03 LCS2 File ID: 4L008121.F Run Date: 05/18/2005 19:53

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
1,3,5-Trinitrobenzene	1.00	0.963	96.3	1.00	0.933	93.3	3.08	58 - 120	40	
1,3-Dinitrobenzene	1.00	1.02	102	1.00	1.01	101	1.16	68 - 135	40	
2,4,6-Trinitrotoluene	1.00	0.957	95.7	1.00	0.955	95.5	0.235	27 - 137	40	
2,4-Dinitrotoluene	1.00	0.969	96.9	1.00	1.02	102	4.70	69 - 109	40	
2,6-Dinitrotoluene	1.00	0.931	93.1	1.00	1.00	100	7.21	55 - 121	40	
2-Amino-4,6-dinitrotoluene	1.00	0.980	98.0	1.00	1.03	103	4.85	72 - 112	40	
2-Nitrotoluene	1.00	0.991	99.1	1.00	0.979	97.9	1.21	67 - 121	40	
3-Nitrotoluene	1.00	1.09	109	1.00	1.02	102	6.58	66 - 110	40	
4-Nitrotoluene	1.00	1.04	104	1.00	1.01	101	2.85	68 - 110	40	
4-Amino-2,6-dinitrotoluene	1.00	0.972	97.2	1.00	1.02	102	5.08	74 - 116	40	
HMX	1.00	0.870	87.0	1.00	0.867	86.7	0.393	54 - 99	40	
Nitrobenzene	1.00	1.05	105	1.00	1.03	103	1.90	70 - 131	40	
RDX	1.00	0.905	90.5	1.00	0.882	88.2	2.57	60 - 116	40	
Tetryl	1.00	0.913	91.3	1.00	0.916	91.6	0.313	10 - 147	40	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
3,4-Dinitrotoluene	98.5	96.9	50 - 150	PASS

* FAILS %REC LIMIT

FAILS RPD LIMIT

Login Number: L0505339
 Analytical Method: 8330
 ICAL Workgroup: WG188649

Instrument ID: HPLC4
 Initial Calibration Date: 10-MAY-05

Analyte		AVG RF	% RSD	R2	QUAD
1,3,5-Trinitrobenzene		2.337	3.55		
1,3-Dinitrobenzene		1.680	2.16		
2,4,6-Trinitrotoluene		2.420	2.92		
2,4-Dinitrotoluene		2.053	1.99		
2,6-Dinitrotoluene		3.328	2.02		
2-Amino-4,6-Dinitrotoluene		2.838	1.80		
2-Nitrotoluene		5.137	10.8		
3-Nitrotoluene		4.488	9.41		
4-Amino-2,6-Dinitrotoluene		4.191	5.77		
4-Nitrotoluene		6.412	14.3		
HMX		6.434	6.84		
Nitrobenzene		2.624	2.59		
RDX		5.492	5.79		
Tetryl		3.326	4.67		
3,4-Dinitrotoluene		4.439	1.93		

Login Number: L0505339
 Analytical Method: 8330

Instrument ID: HPLC4
 Initial Calibration Date: 10-MAY-05

Analyte	WG188649-01			WG188649-02		
	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	1000	446.747985839 844	2.238	500	217.363265991 211	2.300
1,3-Dinitrobenzene	1000	610.393554687 5	1.638	500	297.770141601 562	1.679
2,4,6-Trinitrotoluene	1000	423.587219238 281	2.361	500	205.149398803 711	2.437
2,4-Dinitrotoluene	1000	491.474548339 844	2.035	500	241.727981567 383	2.068
2,6-Dinitrotoluene	1000	306.740966796 875	3.260	500	150.109741210 938	3.331
2-Amino-4,6-Dinitrotoluene	1000	356.675018310 547	2.804	500	174.739929199 219	2.861
2-Nitrotoluene	1000	217.673385620 117	4.594	500	106.485511779 785	4.695
3-Nitrotoluene	1000	241.557525634 766	4.140	500	119.209320068 359	4.194
4-Amino-2,6-Dinitrotoluene	1000	245.562728881 836	4.072	500	121.182357788 086	4.126
4-Nitrotoluene	1000	176.280899047 852	5.673	500	86.6534042358 398	5.770
HMX	1000	167.391983032 227	5.974	500	83.7672042846 68	5.969
Nitrobenzene	1000	391.546417236 328	2.554	500	190.168502807 617	2.629
RDX	1000	197.137145996 094	5.073	500	95.2293777465 82	5.250
Tetryl	1000	302.889862060 547	3.302	500	148.361892700 195	3.370
3,4-Dinitrotoluene	1000	228.897964477 539	4.369	500	111.949325561 523	4.466

Login Number: L0505339
 Analytical Method: 8330

Instrument ID: HPLC4
 Initial Calibration Date: 10-MAY-05

Analyte	WG188649-03			WG188649-04		
	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	100	43.9480476379 395	2.275	50.0	20.9770450592 041	2.384
1,3-Dinitrobenzene	100	61.0492401123 047	1.638	50.0	29.0301837921 143	1.722
2,4,6-Trinitrotoluene	100	42.4625701904 297	2.355	50.0	19.8592967987 061	2.518
2,4-Dinitrotoluene	100	49.4773139953 613	2.021	50.0	23.4665546417 236	2.131
2,6-Dinitrotoluene	100	30.5008087158 203	3.279	50.0	14.5424079895 02	3.438
2-Amino-4,6-Dinitrotoluene	100	35.8206291198 73	2.792	50.0	17.3286323547 363	2.885
2-Nitrotoluene	100	21.1161098480 225	4.736	50.0	9.81066989898 682	5.096
3-Nitrotoluene	100	22.8780727386 475	4.371	50.0	10.5555210113 525	4.737
4-Amino-2,6-Dinitrotoluene	100	24.9738521575 928	4.004	50.0	11.9111776351 929	4.198
4-Nitrotoluene	100	16.7205638885 498	5.981	50.0	7.19282722473 145	6.951
HMX	100	16.1851272583 008	6.179	50.0	7.32371282577 515	6.827
Nitrobenzene	100	39.1169166564 941	2.556	50.0	18.6831703186 035	2.676
RDX	100	18.7005863189 697	5.347	50.0	8.75935649871 826	5.708
Tetryl	100	30.3004760742 188	3.300	50.0	14.2716827392 578	3.503
3,4-Dinitrotoluene	100	23.1127471923 828	4.327	50.0	11.2356529235 84	4.450

Login Number: L0505339
 Analytical Method: 8330

Instrument ID: HPLC4
 Initial Calibration Date: 10-MAY-05

Analyte	WG188649-05			WG188649-06		
	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	25.0	10.6327896118 164	2.351	10.0	4.04599857330 322	2.472
1,3-Dinitrobenzene	25.0	14.5816869735 718	1.714	10.0	5.93036365509 033	1.686
2,4,6-Trinitrotoluene	25.0	10.5805749893 188	2.363	10.0	4.02031326293 945	2.487
2,4-Dinitrotoluene	25.0	12.3679714202 881	2.021	10.0	4.89648914337 158	2.042
2,6-Dinitrotoluene	25.0	7.61175775527 954	3.284	10.0	2.96465897560 12	3.373
2-Amino-4,6-Dinitrotoluene	25.0	8.97884654998 779	2.784	10.0	3.44587087631 226	2.902
2-Nitrotoluene	25.0	4.36431169509 888	5.728	10.0	1.67381870746 613	5.974
3-Nitrotoluene	25.0	5.99579048156 738	4.170	10.0	1.88199961185 455	5.313
4-Amino-2,6-Dinitrotoluene	25.0	6.19186067581 177	4.038	10.0	2.12365388870 239	4.709
4-Nitrotoluene	25.0	4.35747051239 014	5.737	10.0	1.19627869129 181	8.359
HMX	25.0	3.66805291175 842	6.816	10.0	1.46236836910 248	6.838
Nitrobenzene	25.0	9.61166191101 074	2.601	10.0	3.66661310195 923	2.727
RDX	25.0	4.40615510940 552	5.674	10.0	1.69513332843 781	5.899
Tetryl	25.0	7.30986118316 65	3.420	10.0	3.26436543464 661	3.063
3,4-Dinitrotoluene	25.0	5.61809825897 217	4.450	10.0	2.18606066703 796	4.574

KEMRON Environmental Services
ALTERNATE SOURCE CALIBRATION REPORT

00094279

Login Number: L0505339 Run Date: 05/10/2005 Sample ID: WG188649-07
Instrument ID: HPLC4 Run Time: 17:56 Method: 8330
File ID: 4L007976.F Analyst: 833
ICal Workgroup: WG188649 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	52.7	2.25	5.5	ug/L	
1,3-Dinitrobenzene	50	51.8	1.65	3.5	ug/L	
2,4,6-Trinitrotoluene	50	55.3	2.23	10.5	ug/L	
2,4-Dinitrotoluene	50	57.0	1.82	14.1	ug/L	
2,6-Dinitrotoluene	50	54.6	3.10	9.2	ug/L	
2-Amino-4,6-Dinitrotoluene	50	55.1	2.61	10.2	ug/L	
2-Nitrotoluene	50	48.3	5.26	3.3	ug/L	
3-Nitrotoluene	50	51.2	4.38	2.4	ug/L	
4-Nitrotoluene	50	45.1	7.07	9.7	ug/L	
4-Amino-2,6-Dinitrotoluene	50	56.1	3.69	12.2	ug/L	
HMX	50	50.6	6.30	1.2	ug/L	
Nitrobenzene	50	51.9	2.58	3.8	ug/L	
RDX	50	54.4	5.15	8.7	ug/L	
Tetryl	50	55.1	3.09	10.2	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094280

Login Number: L0505339 Run Date: 05/18/2005 Sample ID: WG189347-01
Instrument ID: HPLC4 Run Time: 18:01 Method: 8330
File ID: 4L008118.F Analyst: RDC
Workgroup (AAB#): WG189374 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	51.9	2.29	3.7	ug/L	
1,3-Dinitrobenzene	50	50.7	1.69	1.4	ug/L	
2,4,6-Trinitrotoluene	50	44.5	2.80	11	ug/L	
2,4-Dinitrotoluene	50	53.4	1.95	6.9	ug/L	
2,6-Dinitrotoluene	50	49.9	3.40	.2	ug/L	
2-Amino-4,6-Dinitrotoluene	50	50.6	2.84	1.3	ug/L	
2-Nitrotoluene	50	52.8	4.77	5.6	ug/L	
3-Nitrotoluene	50	53.3	4.19	6.6	ug/L	
4-Nitrotoluene	50	53.2	5.88	6.4	ug/L	
4-Amino-2,6-Dinitrotoluene	50	43.3	4.80	13.4	ug/L	
HMX	50	54.0	5.88	8	ug/L	
Nitrobenzene	50	45.3	2.97	9.4	ug/L	
RDX	50	54.2	5.18	8.3	ug/L	
Tetryl	50	42.8	4.01	14.3	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094281

Login Number: L0505339 Run Date: 05/19/2005 Sample ID: WG189347-02
Instrument ID: HPLC4 Run Time: 00:51 Method: 8330
File ID: 4L008129.F Analyst: RDC
Workgroup (AAB#): WG189374 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	52.3	2.27	4.7	ug/L	
1,3-Dinitrobenzene	50	51.4	1.66	2.8	ug/L	
2,4,6-Trinitrotoluene	50	54.5	2.27	9.1	ug/L	
2,4-Dinitrotoluene	50	53.1	1.96	6.2	ug/L	
2,6-Dinitrotoluene	50	51.1	3.32	2.2	ug/L	
2-Amino-4,6-Dinitrotoluene	50	51.2	2.81	2.5	ug/L	
2-Nitrotoluene	50	54.5	4.61	8.9	ug/L	
3-Nitrotoluene	50	54.0	4.13	8	ug/L	
4-Nitrotoluene	50	53.7	5.82	7.5	ug/L	
4-Amino-2,6-Dinitrotoluene	50	50.4	4.12	.7	ug/L	
HMX	50	50.6	6.30	1.2	ug/L	
Nitrobenzene	50	49.9	2.68	.2	ug/L	
RDX	50	52.9	5.31	5.8	ug/L	
Tetryl	50	44.6	3.85	10.7	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094282

Login Number: L0505339 Run Date: 05/19/2005 Sample ID: WG189347-03
Instrument ID: HPLC4 Run Time: 07:41 Method: 8330
File ID: 4L008140.F Analyst: RDC
Workgroup (AAB#): WG189374 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	53.3	2.22	6.6	ug/L	
1,3-Dinitrobenzene	50	53.5	1.59	7.1	ug/L	
2,4,6-Trinitrotoluene	50	54.5	2.27	9	ug/L	
2,4-Dinitrotoluene	50	52.0	2.00	4	ug/L	
2,6-Dinitrotoluene	50	51.4	3.29	2.9	ug/L	
2-Amino-4,6-Dinitrotoluene	50	51.8	2.78	3.5	ug/L	
2-Nitrotoluene	50	54.5	4.61	8.9	ug/L	
3-Nitrotoluene	50	51.9	4.31	3.8	ug/L	
4-Nitrotoluene	50	52.0	6.04	4	ug/L	
4-Amino-2,6-Dinitrotoluene	50	50.5	4.10	1.1	ug/L	
HMX	50	50.8	6.27	1.7	ug/L	
Nitrobenzene	50	55.0	2.42	10	ug/L	
RDX	50	52.9	5.31	5.9	ug/L	
Tetryl	50	51.4	3.32	2.8	ug/L	

* Exceeds %D Limit



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: LHAAP-017

Page 1 of 1

Project Number: 845714

Samples Shipment Date: 16 MAY 2005

Bill To: Diane Meyer

3010 Briarpark Drive

Houston

TX 77042

Project Name: Longhorn Army Ammunition Plant Lab Destination: Kemron Lab

Sample Coordinator: Phil Conley

Lab Contact: Stephanie Mossburg

Report To: Diane Meyer

3010 Briarpark Drive

Houston

TX 77042

Turnaround Time:

Project Contact: Diane Meyer

Carrier/Waybill No.: UPS/J178 825 548 8

Special Instructions:

Possible Hazard Identification:

Non-hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown ☐Radiological ☐

Sample Disposal:

Return to Client ☐Disposal by Lab ☐

Archive

(mos.)

1. Relinquished By
(Signature/Affiliation)Date: 5/16/05
Time: 1:001. Received By
(Signature/Affiliation)Date: 5/17/05
Time: 09402. Relinquished By
(Signature/Affiliation)Date:
Time:2. Received By
(Signature/Affiliation)Date:
Time:3. Relinquished By
(Signature/Affiliation)Date:
Time:3. Received By
(Signature/Affiliation)Date:
Time:

Comments:

all sealed
5/17/05
Cooler Temp 4

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	File	CID	Condition On Receipt
29WW01-MAY05-29WW01-GW-29WW01-MAY05-REG		13 MAY 2005	16:25	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL160	
29WW114-MAY05-29WW114-GW-29WW114-MAY05-REG		14 MAY 2005	12:00	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL160	
29WW14-MAY05-29WW14-GW-29WW14-MAY05-REG		14 MAY 2005	17:10	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL160	
29WW27-MAY05-29WW27-GW-29WW27-MAY05-REG		14 MAY 2005	16:15	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL160	
29WW28-MAY05-29WW28-GW-29WW28-MAY05-REG		15 MAY 2005	09:40	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL160	

Login: L0505339

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 5

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505339-01 133449 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:37	BRG	
2	PREP	W1	EXT	17-MAY-2005 12:56	CEB	BRG
3	DISP	EXT	DISP	18-MAY-2005 08:54	JKT	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:37	BRG	
2	STORE	W1	A1	17-MAY-2005 14:42	CEB	CEB

Samplenum **Container ID** **Products**

L0505339-02 133450 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:37	BRG	
2	PREP	W1	EXT	17-MAY-2005 12:56	CEB	BRG
3	DISP	EXT	DISP	18-MAY-2005 08:54	JKT	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:37	BRG	
2	STORE	W1	A1	17-MAY-2005 14:42	CEB	CEB

Samplenum **Container ID** **Products**

L0505339-03 133451 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:37	BRG	
2	PREP	W1	EXT	17-MAY-2005 12:56	CEB	BRG
3	DISP	EXT	DISP	18-MAY-2005 08:54	JKT	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:37	BRG	
2	STORE	W1	A1	17-MAY-2005 14:42	CEB	CEB

KEMRON Environmental Services
Internal Chain of Custody Report

00094285

Login: L0505339
Account: SHAW-ALLIANCE-798
Project: 798-LONGHORN
Samples: 5
Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505339-04 133452 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:37	BRG	
2	PREP	W1	EXT	17-MAY-2005 12:56	CEB	BRG
3	DISP	EXT	DISP	18-MAY-2005 08:54	JKT	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:37	BRG	
2	STORE	W1	A1	17-MAY-2005 14:42	CEB	CEB

Samplenum **Container ID** **Products**

L0505339-05 133453 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:37	BRG	
2	PREP	W1	EXT	17-MAY-2005 12:56	CEB	BRG
3	DISP	EXT	DISP	18-MAY-2005 08:54	JKT	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:37	BRG	
2	STORE	W1	A1	17-MAY-2005 14:42	CEB	CEB

SAMPLE RECEIPT FORM

00094286

Date: 5-17-05 Client: Shaw-LH

156 STARLITE DRIVE
MARIETTA, OH
45750
(740) 373-4071

Shipped By: () Fed-Ex ☒ UPS () DHL () KEMRON () Client () Other

Opened By: BLG

Logged By: BLG Login # L05 05339

IR Temp Gun: ☒ D () F

COOLER INFORMATION

Number	Cooler ID	Temp °C	Airbill#	COC#	Other
1	KL736	2	J1788255451	018	
2	KL1705	1	J1800104035	027	
3	KL744	3	J1800104044	026	
4	KL1564	4	J1788255415	022	
5	KL887	3	J1788255479	016	
6	KL1602	4	J1788255488	017	

Were all coolers sealed? ☒ Y N N/A

Were custody seals used on all coolers? ☒ Y N N/A

Were custody seals intact? ☒ Y N N/A

Was visible ice present? ☒ Y N N/A

Were all coolers in the temperature range of 2-6C? (>6C*) Y ☒ N N/A

Were the samples frozen? Y ☒ N N/A

Were COC papers provided? ☒ Y N N/A

Were all sample containers intact? ☒ Y N N/A

Were all sample labels intact? ☒ Y N N/A

Were all sample labels legible? ☒ Y N N/A

Did all sample labels match the COC? ☒ Y ☒ N N/A

Was the label information complete? ☒ Y N N/A

Were the correct containers used? ☒ Y N N/A

Were the correct preservatives added to water samples? Y N ☒ N/A

Was the pH tested on preserved water samples? Y N ☒ N/A

Were pH ranges acceptable? Y N ☒ N/A

Was sufficient amount of sample provided? ☒ Y N ☒ N/A

Were bubbles present in VOA samples? Y N ☒ N/A

Were COC's signed and dated? ☒ Y N N/A

Did samples arrive before hold time expired? ☒ Y N N/A

Are discrepancy forms attached? ☒ Y N N/A

BLG
5-17-05

*Requires a discrepancy form

Comments: _____

CRF #1
Revised 8/22/03

CRF#4

Sample Discrepancy Form

Client: Shaw Project: clc 017

Date Received: 5/17

_____ Cooler temperature > than 6 degrees Celsius

Reason _____

_____ Samples received not on chain of custody

_____ Samples on chain of custody not received

✓ Information on sample containers different from chain of custody
clc 29 WW14- May05 5/14 @ 1710 = labels 5/13 @ 1710
clc 29 WW27- May05 5/14 @ 1615 = labels 5/13

_____ Sample containers received broken, leaking or not sealed (List sample ID)

_____ pH out (List sample ID, which container, pH prior to adjusting, amount of acid, preservative)

_____ Insufficient sample volume

_____ Air bubbles present in VOA vials (List sample ID)

_____ Hold time expired (List sample ID)

Service Representative:

Was client notified regarding information: YES

NO

Name of Person contacted: _____

Company: _____

Service Representative: _____

Date: _____

Last Revised 08/22/03



156 Starlite Drive, Marietta, OH 45750 • TEL 740-373-4071 • FAX 740-373-4835 • <http://www.kemron.com>

Laboratory Report Number: L0505340

Please find enclosed the analytical results for the samples you submitted to KEMRON Environmental Services.

Review and compilation of your report was completed by KEMRON's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact our team member noted in the Reviewed box below at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

Debra Elliott - Team Leader
delliott@kemron-lab.com

Amanda Fickiesen - Client Services Specialist
afickiesen@kemron-lab.com

Cheryl Koelsch - Team Chemist/Data Specialist
ckoelsch@kemron-lab.com

Annie Bock - Client Services Specialist
abock@kemron-lab.com

Stephanie Mossburg - Team Chemist/Data Specialist
smossburg@kemron-lab.com

Vicki Lauer - Client Services Specialist
vlauer@kemron-lab.com

Kathy Albertson - Team Chemist/Data Specialist
kalbertson@kemron-lab.com

Micalyn Harris - Team Chemist/Data Specialist
mharris@kemron-lab.com

This report was reviewed on May 24, 2005:

A handwritten signature in cursive script, reading "Stephanie Mossburg".

I certify that all test results meet all of the requirements of the NELAP standards and other applicable contract terms and conditions. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on an 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of KEMRON Environmental Services.

This report was certified on May 24, 2005:

A handwritten signature in cursive script, reading "David E. Vandenberg".

FL DOH NELAP ID: E87551

This report contains a total of 32 pages.

Protecting Our Environmental Future

LABORATORY REPORT

L0505340

00094289

05/24/05 15:10

Submitted By

KEMRON Environmental Services

156 Starlite Drive

Marietta , OH 45750

(740) 373 - 4071

For

Account Name: Shaw E & I, Inc.

ABB Lummus Building

3010 Briarpark

Houston, TX 77042

Attention: Diane Mever

Account Number: 307-ALLIANCE-798

Work ID: LONGHORN AAP

P.O. Number: 98696

Sample Summary

Client ID	Lab ID	Date Collected	Date Received
29WW15-MAY05	L0505340-01	16-MAY-05	17-MAY-05
29WW15-MAY05-D	L0505340-02	16-MAY-05	17-MAY-05
29WW16-MAY05	L0505340-03	16-MAY-05	17-MAY-05
29WW16-MAY05-D	L0505340-04	16-MAY-05	17-MAY-05
29WW17-MAY05	L0505340-05	16-MAY-05	17-MAY-05

KEMRON ENVIRONMENTAL SERVICES
REPORT NARRATIVE

KEMRON Login No.: L0505340

CHAIN OF CUSTODY: The chain of custody number was LHAAP-025

SHIPMENT CONDITIONS: The chain of custody forms were received sealed in a cooler. The cooler temperature was 2 degrees C.

SAMPLE MANAGEMENT: All samples received were intact.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Approved: 17-MAY-05

<i>Stephanie Moseburg</i>

KEMRON ENVIRONMENTAL SERVICES
HPLC-EXPLOSIVE RESIDUES

KEMRON Login No.: L0505340

METHOD

Analysis: SW-846 8330

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds linear equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Matrix Spikes: The MS/MSD results were not associated with this sample delivery group.

SAMPLES

Surrogates: Sample fractions 03 and 04 yielded a percent recovery for the surrogate that was below the advisory level. These fractions were field duplicates. Repeated failure to recover surrogates in the same sample may be an indication of sample matrix effects. All other acceptance criteria were met.

Samples: All acceptance criteria were met.

Manual Integration Reason Codes

KEMRON laboratory management has identified four general cases with valid reasons supporting the use of manual integration techniques.

Reason #1: Data System Fails to Select Correct Peak

In some cases the chromatography system selects and integrates the "wrong peak". In this case the analyst must correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

'Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak.'

This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

Reason #3: Improperly Integrated Isomers and/or coeluting compounds.

This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline

There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous

Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: RDC

Approved: 24-MAY-05



Report Number: L0505340

Report Date : May 24, 2005

00094293

Sample Number: L0505340-01
 Client ID: 29WW15-MAY05
 Matrix: Water
 Workgroup Number: WG189374
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/17/2005 11:40
 Cal Date: 05/10/2005 17:19
 Run Date: 05/19/2005 04:35
 File ID: 4L008135.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.02	0.255
1,3-Dinitrobenzene	99-65-0		U	1.02	0.255
2,4,6-Trinitrotoluene	118-96-7		U	1.02	0.255
2,4-Dinitrotoluene	121-14-2		U	1.02	0.255
2,6-Dinitrotoluene	606-20-2		U	1.02	0.255
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.02	0.255
2-Nitrotoluene	88-72-2		U	1.02	0.255
3-Nitrotoluene	99-08-1		U	1.02	0.255
4-Nitrotoluene	99-99-0		U	1.02	0.255
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.02	0.255
HMX	2691-41-0		U	1.02	0.255
Nitrobenzene	98-95-3		U	1.02	0.255
RDX	121-82-4		U	1.02	0.255
Tetryl	479-45-8		U	1.02	0.255
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	99.6	50	150		

U Not detected at or above adjusted sample detection limit

Sample Number: L0505340-02
 Client ID: 29WW15-MAY05-D
 Matrix: Water
 Workgroup Number: WG189374
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/17/2005 11:40
 Cal Date: 05/10/2005 17:19
 Run Date: 05/19/2005 05:12
 File ID: 4L008136.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.02	0.255
1,3-Dinitrobenzene	99-65-0		U	1.02	0.255
2,4,6-Trinitrotoluene	118-96-7		U	1.02	0.255
2,4-Dinitrotoluene	121-14-2		U	1.02	0.255
2,6-Dinitrotoluene	606-20-2		U	1.02	0.255
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.02	0.255
2-Nitrotoluene	88-72-2		U	1.02	0.255
3-Nitrotoluene	99-08-1		U	1.02	0.255
4-Nitrotoluene	99-99-0		U	1.02	0.255
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.02	0.255
HMX	2691-41-0		U	1.02	0.255
Nitrobenzene	98-95-3		U	1.02	0.255
RDX	121-82-4		U	1.02	0.255
Tetryl	479-45-8		U	1.02	0.255
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	101	50	150		

U Not detected at or above adjusted sample detection limit

Report Number: L0505340

Report Date : May 24, 2005

00094294

Sample Number: L0505340-03	Prep Method: 3535	Instrument: HPLC4
Client ID: 29WW16-MAY05	Analytical Method: 8330	Prep Date: 05/17/2005 11:40
Matrix: Water	Analyst: RDC	Cal Date: 05/10/2005 17:19
Workgroup Number: WG189374	Dilution: 1	Run Date: 05/19/2005 05:49
Collect Date: 16-MAY-05	Units: ug/L	File ID: 4L008137.F
Sample Tag: 01		

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.03	0.258
1,3-Dinitrobenzene	99-65-0		U	1.03	0.258
2,4,6-Trinitrotoluene	118-96-7		U	1.03	0.258
2,4-Dinitrotoluene	121-14-2		U	1.03	0.258
2,6-Dinitrotoluene	606-20-2		U	1.03	0.258
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.03	0.258
2-Nitrotoluene	88-72-2		U	1.03	0.258
3-Nitrotoluene	99-08-1		U	1.03	0.258
4-Nitrotoluene	99-99-0		U	1.03	0.258
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.03	0.258
HMX	2691-41-0		U	1.03	0.258
Nitrobenzene	98-95-3		U	1.03	0.258
RDX	121-82-4		U	1.03	0.258
Tetryl	479-45-8		U	1.03	0.258
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	11.9	50	150	*	

* Surrogate or spike compound out of range

U Not detected at or above adjusted sample detection limit

Sample Number: L0505340-04	Prep Method: 3535	Instrument: HPLC4
Client ID: 29WW16-MAY05-D	Analytical Method: 8330	Prep Date: 05/17/2005 11:40
Matrix: Water	Analyst: RDC	Cal Date: 05/10/2005 17:19
Workgroup Number: WG189374	Dilution: 1	Run Date: 05/19/2005 06:26
Collect Date: 16-MAY-05	Units: ug/L	File ID: 4L008138.F
Sample Tag: 01		

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.02	0.255
1,3-Dinitrobenzene	99-65-0		U	1.02	0.255
2,4,6-Trinitrotoluene	118-96-7		U	1.02	0.255
2,4-Dinitrotoluene	121-14-2		U	1.02	0.255
2,6-Dinitrotoluene	606-20-2		U	1.02	0.255
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.02	0.255
2-Nitrotoluene	88-72-2		U	1.02	0.255
3-Nitrotoluene	99-08-1		U	1.02	0.255
4-Nitrotoluene	99-99-0		U	1.02	0.255
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.02	0.255
HMX	2691-41-0		U	1.02	0.255
Nitrobenzene	98-95-3		U	1.02	0.255
RDX	121-82-4		U	1.02	0.255
Tetryl	479-45-8		U	1.02	0.255
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	12.6	50	150	*	

* Surrogate or spike compound out of range

U Not detected at or above adjusted sample detection limit

Report Number: **L0505340**Report Date : **May 24, 2005****00094295**

Sample Number: **L0505340-05**
 Client ID: **29WW17-MAY05**
 Matrix: **Water**
 Workgroup Number: **WG189374**
 Collect Date: **16-MAY-05**
 Sample Tag: **01**

Prep Method: **3535**
 Analytical Method: **8330**
 Analyst: **RDC**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPLC4**
 Prep Date: **05/17/2005 11:40**
 Cal Date: **05/10/2005 17:19**
 Run Date: **05/19/2005 07:04**
 File ID: **4L008139.F**

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.02	0.255
1,3-Dinitrobenzene	99-65-0		U	1.02	0.255
2,4,6-Trinitrotoluene	118-96-7		U	1.02	0.255
2,4-Dinitrotoluene	121-14-2		U	1.02	0.255
2,6-Dinitrotoluene	606-20-2		U	1.02	0.255
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.02	0.255
2-Nitrotoluene	88-72-2		U	1.02	0.255
3-Nitrotoluene	99-08-1		U	1.02	0.255
4-Nitrotoluene	99-99-0		U	1.02	0.255
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.02	0.255
HMX	2691-41-0		U	1.02	0.255
Nitrobenzene	98-95-3		U	1.02	0.255
RDX	121-82-4		U	1.02	0.255
Tetryl	479-45-8		U	1.02	0.255
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	93.1	50	150		

U Not detected at or above adjusted sample detection limit

WORKGROUP SUMMARY BY METHOD

Analysis:Explosives

Extraction Method:3535

Workgroup:WG189200

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505340-01	29WW15-MAY05		05/17/05 11:40			SPE	CEB
L0505340-02	29WW15-MAY05-D		05/17/05 11:40			SPE	CEB
L0505340-03	29WW16-MAY05		05/17/05 11:40			SPE	CEB
L0505340-04	29WW16-MAY05-D		05/17/05 11:40			SPE	CEB
L0505340-05	29WW17-MAY05		05/17/05 11:40			SPE	CEB

Analysis:Explosives

Analytical Method:8330

Workgroup:WG189374

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505340-01	29WW15-MAY05		05/17/05 11:40	05/19/05 04:35	01	HPLC4	RDC
L0505340-02	29WW15-MAY05-D		05/17/05 11:40	05/19/05 05:12	01	HPLC4	RDC
L0505340-03	29WW16-MAY05		05/17/05 11:40	05/19/05 05:49	01	HPLC4	RDC
L0505340-04	29WW16-MAY05-D		05/17/05 11:40	05/19/05 06:26	01	HPLC4	RDC
L0505340-05	29WW17-MAY05		05/17/05 11:40	05/19/05 07:04	01	HPLC4	RDC

Kemron Environmental Services
Analyst Listing May 24, 2005

AJF - AMANDA J. FICKIESEN	ALB - ANNIE L. BOCK	ALT - ANN L. THAYER
BRG - BRENDA R. GREGORY	CAF - CHERYL A. FLOWERS	CAK - CHERYL A. KOELSCH
CEB - CHAD E. BARNES	CLC - CHRYS L. CRAWFORD	CLK - CARL L. KING
CLS - CARA L. STRICKLER	CLW - CHARISSA L. WINTERS	CM - CHARLIE MARTIN
CMS - CRYSTAL M. STEPHENS	CPD - CHAD P. DAVIS	CRC - CARLA R. COCHRAN
CSH - CHRIS S. HILL	DAS - DALLAS A. SULLIVAN	DD - DIANE M. DENNIS
DDE - DEBRA D. ELLIOTT	DEL - DON E. LIGHTFRITZ	DEV - DAVID E. VANDENBERG
DGB - DOUGLAS G. BUTCHER	DIH - DEANNA I. HESSON	DLB - DAVID L. BUMGARNER
DLP - DOROTHY L. PAYNE	DLR - DIANNA L. RAUCH	DP - DEANNA L. PIERSON
DR - DEANNA ROBERTS	DRB - DOUG R. BARNETT	DSM - DAVID S. MOSSOR
DST - DENNIS S. TEPE	ECL - ERIC C. LAWSON	ED - EMILY E. DECKER
HAV - HEMA VILASAGAR	JAL - JOHN A. LENT	JJG - JOHN J. GREUEY
JKT - JANE K. THOMPSON	JLS - JANICE L. SCHIMMEL	JWR - JOHN W. RICHARDS
JWS - JACK W. SHEAVES	JYH - JI Y. HU	KEB - KATHRYN E. BARNES
KHR - KIM H. RHODES	KRA - KATHY R. ALBERTSON	LKN - LINDA K. NEDEFF
LSA - LUCINDA S. ARNOLD	LSB - LESLIE S. BUCINA	MAH - MICALYN A. HARRIS
MDA - MICHAEL D. ALBERTSON	MDC - MICHAEL D. COCHRAN	MES - MARY E. SCHILLING
MKZ - MARILYN K. ZUMBRO	MLR - MARY L. ROCHOTTE	MLS - MICHAEL L. SCHIMMEL
MMB - MAREN M. BEERY	MSW - MATT S. WILSON	NJB - NATALIE J. BOOTH
OGT - OKEY G. TUCKER	PAS - PATRICK A. STREET	RB - ROBERT BUCHANAN
RDC - REBECCA D. CUTLIP	REK - ROBERT E. KYER	RWC - RODNEY W. CAMPBELL
SCM - SUSAN C. MOELLENDICK	SK - SANDRA KEENER	SLM - STEPHANIE L. MOSSBURG
SLP - SHERI L. PFALZGRAF	SMH - SHAUNA M. HYDE	TD - TIMOTHY DYSERT
TMM - TAMMY M. MORRIS	VC - VICKI COLLIER	VKL - VICKY K. LAUER

KEMRON Environmental Services, Inc.

List of Valid Qualifiers

May 24, 2005

These are KEMRON's standard report qualifiers:

B	Present in the method blank	NS	Not spiked
C	Confirmed by GC/MS	P	Concentration >40% difference between the two GC columns
CG	Confluent growth		
D	The analyte was quantified as a secondary dilution factor	QNS	Quantity not sufficient to perform analysis
DL	Surrogate or spike was diluted out	RA	Reanalysis confirms reported results
		RE	Reanalysis confirms sample matrix interference
E	Estimated concentration due to sample matrix interference	S	Analyzed by method of standard addition
FL	Free liquid	SMI	Sample matrix interference on surrogate
I	Semi-quantitative result, out of instrument calibration range	SP	Reported results are for spike compounds only
J	Present below normal reporting limit	TNTC	Too numerous to count
L	Sample reporting limits elevated due to matrix interference	U	Analyzed for but not detected
N	Tentatively Identified Compound (TIC)	W	Post-digestion spike for furnace AA out of control limits
NA	Not applicable	X	Exceeds regulatory limit
ND	Not detected at or above the reporting limit (RL)	Z	Can not be resolved from isomer.***
NF	Not found	+	Correlation coefficient for the MSA is less than 0.995
NFL	No free liquid	<	Less than
NI	Non-ignitable	>	Greater than
		*	Surrogate or spike compound out of range

*****Special Notes for Organic Analytes**

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound and are matrix dependent.

AFCEE Qualifiers

These are KEMRON's AFCEE Report Qualifiers

- J** The analyte was positively identified, the quantitation is an estimation.
- U** The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL
- F** The analyte was positively identified by the associated numerical value is below the RL
- R** The data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria
- B** The analyte was found in an associated blank, as well as in the sample
- M** The matrix effect was present
- S** To be applied to all field screening data
- T** Tentatively identified compound (using GC/MS)

Organic QA/QC

Figure 1
Semi-Volatile GC Checklist

Run Date: 5-10-05
 Analyst: ECL
 Instrument: HPLC 4
 Method: 8330

Login no. Due Date Priority

05-084 need rerun

		Analyst	Peer
System Performance Check:	Endrin/DDT Breakdown		
Initial Calibration:	ICAL summary	✓	✓
	Linear or quadratic regression	✓	✓
	Alt Source Check	✓	✓
Continuing Calibration:	Continuing Calibration	✓	✓
	Ending standards	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD	✓	✓
Samples:	Quant Reports/Chromatograms	✓	✓
	Mass spectra		
	Surrogates	✓	✓
	Dilution runs		
	Confirmations	NA	
	Correct Factors	✓	✓
	Manual integrations	✓	✓
Data Package:	Run logs	✓	✓
	Bench sheets		
	Upload results		
	QC forms		
	Seedpak workgroups		
Client Data	Data scanned		
	Integrations digitally signed	✓	
	Level 2 pdf files		
	Level 3/Level x		
	Level 4 copies		
	Case narratives		
		Supervisor	
	Integrations digitally cosigned	✓	
	Corrective Action		
	Results Reporting/Data Qualifiers		
	Client Data/digital signatures		
	Check for Completeness	✓	
	Check for compliance with method and project requirements	✓	
	Check the reasonableness of results	✓	

✓ = Checked & OK

NA = Not Applicable

Primary Reviewer:

ECL 5-11-05

Secondary Reviewer:

Robert Hester

Comments:

Semi-Volatile HPLC Checklist

Run Date: 18-MAY-2005Analyst: RDCInstrument: HPLC4Method: 8330

Login no.	Due Date	Priority
05-321	20-May-05	F3
05-338	24-May-05	F3
05-339	24-May-05	F3
05-340	24-May-05	F3

		Analyst	Peer
Initial Calibration:	ICAL summary		
	Linear or quadratic regression		
	Alt Source Check		
Continuing Calibration:	Continuing Calibration	✓	✓
	Ending Standards	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD		
Samples:	Quant Reports/Chromatograms	✓	✓
	TCL Hits	✓	✓
	Surrogates	✓	✓
	Dilution runs	✓	✓
	Confirmations	✓	✓
	Correct Factors		
	Manual integrations	✓	✓
Data Package:	Run logs	✓	✓
	Bench sheets	✓	✓
	Upload results	✓	✓
	QC forms	✓	✓
	Seedpak workgroups	✓	✓
Client Data	Data scanned		
	Level 2 pdf files		
	Level 3/Level x		
	Level 4 copies		
	Case narratives		
	Integrations digitally signed	✓	
	Supervisor		
Corrective Action:			
Results Reporting/Data Qualifiers:		✓	
Client Data/digital signatures			
Check for Completeness:		✓	
Check for compliance with method and project requirements:		✓	
Check the reasonableness of results:		✓	

✓ = Checked & OK

NA = Not Applicable

Primary Reviewer: RDC 5/20/05Secondary Reviewer: ndc/20/05

Comments: _____

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00094303

Analytical Method: 8330
Login Number: L0505340

AAB#: WG189374

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
29WW15-MAY05	05/16/05	05/17/05	05/17/05	7	0.910	05/19/05	40	1.70	
29WW15-MAY05-D	05/16/05	05/17/05	05/17/05	7	0.910	05/19/05	40	1.73	
29WW16-MAY05	05/16/05	05/17/05	05/17/05	7	0.992	05/19/05	40	1.76	
29WW16-MAY05-D	05/16/05	05/17/05	05/17/05	7	0.992	05/19/05	40	1.78	
29WW17-MAY05	05/16/05	05/17/05	05/17/05	7	1.10	05/19/05	40	1.81	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

SURROGATE STANDARDS

Login Number:L0505340

Instrument Id:HPLC4

Workgroup (AAB#):WG189374

Method:8330

CAL ID: HPLC4 - 10-MAY-05

Matrix:WATER

Sample Number	Dilution	Tag	1
L0505340-01	1.00	01	99.6
L0505340-02	1.00	01	101
L0505340-03	1.00	01	<u>11.9</u>
L0505340-04	1.00	01	<u>12.6</u>
L0505340-05	1.00	01	93.1
WG189200-01	1.00	01	92.7
WG189200-02	1.00	01	98.5
WG189200-03	1.00	01	96.9

Surrogates

Surrogate Limits

1 - 3,4-Dinitrotoluene

50 - 150

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

Login Number: L0505340
Blank File ID: 4L008119.F
Date Analyzed: 05/18/05
Time Analyzed: 18:39
Analyst: RDC

Work Group: WG189374
Blank Sample ID: WG189200-01
Instrument ID: HPLC4
Method: 8330

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG189200-02	4L008120.F	05/18/05 19:16	01
LCS2	WG189200-03	4L008121.F	05/18/05 19:53	01
29WW15-MAY05	L0505340-01	4L008135.F	05/19/05 04:35	01
29WW15-MAY05-D	L0505340-02	4L008136.F	05/19/05 05:12	01
29WW16-MAY05	L0505340-03	4L008137.F	05/19/05 05:49	01
29WW16-MAY05-D	L0505340-04	4L008138.F	05/19/05 06:26	01
29WW17-MAY05	L0505340-05	4L008139.F	05/19/05 07:04	01

Login Number: L0505340 Run Date: 05/18/2005 Sample ID: WG189200-01
 Instrument ID: HPLC4 Run Time: 18:39 Prep Method: 3535
 File ID: 4L008119.F Analyst: RDC Method: 8330
 Workgroup (AAB#): WG189374 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPLC4-10-MAY-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
1,3,5-Trinitrobenzene	0.250	1.00	0.250	1	U
1,3-Dinitrobenzene	0.250	1.00	0.250	1	U
2,4,6-Trinitrotoluene	0.250	1.00	0.250	1	U
2,4-Dinitrotoluene	0.250	1.00	0.250	1	U
2,6-Dinitrotoluene	0.250	1.00	0.250	1	U
2-Amino-4,6-dinitrotoluene	0.250	1.00	0.250	1	U
2-Nitrotoluene	0.250	1.00	0.250	1	U
3-Nitrotoluene	0.250	1.00	0.250	1	U
4-Nitrotoluene	0.250	1.00	0.250	1	U
4-Amino-2,6-dinitrotoluene	0.250	1.00	0.250	1	U
HMX	0.250	1.00	0.250	1	U
Nitrobenzene	0.250	1.00	0.250	1	U
RDX	0.250	1.00	0.250	1	U
Tetryl	0.250	1.00	0.250	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
3,4-Dinitrotoluene	92.7	50 - 150	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

ND Analyte Not detected at or above reporting limit

KEMRON Environmental Services
LABORATORY CONTROL SAMPLES

00094307

Login Number: L0505340 Analyst: RDC Prep Method: 3535
Instrument ID: HPLC4 Matrix: Water Method: 8330
Workgroup (AAB#): WG189374 Units: ug/L
Sample ID: WG189200-02 LCS File ID: 4L008120.F Run Date: 05/18/2005 19:16
Sample ID: WG189200-03 LCS2 File ID: 4L008121.F Run Date: 05/18/2005 19:53

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
1,3,5-Trinitrobenzene	1.00	0.963	96.3	1.00	0.933	93.3	3.08	58 - 120	40	
1,3-Dinitrobenzene	1.00	1.02	102	1.00	1.01	101	1.16	68 - 135	40	
2,4,6-Trinitrotoluene	1.00	0.957	95.7	1.00	0.955	95.5	0.235	27 - 137	40	
2,4-Dinitrotoluene	1.00	0.969	96.9	1.00	1.02	102	4.70	69 - 109	40	
2,6-Dinitrotoluene	1.00	0.931	93.1	1.00	1.00	100	7.21	55 - 121	40	
2-Amino-4,6-dinitrotoluene	1.00	0.980	98.0	1.00	1.03	103	4.85	72 - 112	40	
2-Nitrotoluene	1.00	0.991	99.1	1.00	0.979	97.9	1.21	67 - 121	40	
3-Nitrotoluene	1.00	1.09	109	1.00	1.02	102	6.58	66 - 110	40	
4-Nitrotoluene	1.00	1.04	104	1.00	1.01	101	2.85	68 - 110	40	
4-Amino-2,6-dinitrotoluene	1.00	0.972	97.2	1.00	1.02	102	5.08	74 - 116	40	
HMX	1.00	0.870	87.0	1.00	0.867	86.7	0.393	54 - 99	40	
Nitrobenzene	1.00	1.05	105	1.00	1.03	103	1.90	70 - 131	40	
RDX	1.00	0.905	90.5	1.00	0.882	88.2	2.57	60 - 116	40	
Tetryl	1.00	0.913	91.3	1.00	0.916	91.6	0.313	10 - 147	40	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
3,4-Dinitrotoluene	98.5	96.9	50 - 150	PASS

* FAILS %REC LIMIT

FAILS RPD LIMIT

Login Number: L0505340
Analytical Method: 8330
ICAL Workgroup: WG188649

Instrument ID: HPLC4
Initial Calibration Date: 10-MAY-05

Analyte		AVG RF	% RSD	R2	QUAD
1,3,5-Trinitrobenzene		2.337	3.55		
1,3-Dinitrobenzene		1.680	2.16		
2,4,6-Trinitrotoluene		2.420	2.92		
2,4-Dinitrotoluene		2.053	1.99		
2,6-Dinitrotoluene		3.328	2.02		
2-Amino-4,6-Dinitrotoluene		2.838	1.80		
2-Nitrotoluene		5.137	10.8		
3-Nitrotoluene		4.488	9.41		
4-Amino-2,6-Dinitrotoluene		4.191	5.77		
4-Nitrotoluene		6.412	14.3		
HMX		6.434	6.84		
Nitrobenzene		2.624	2.59		
RDX		5.492	5.79		
Tetryl		3.326	4.67		
3,4-Dinitrotoluene		4.439	1.93		

Login Number: L0505340
 Analytical Method: 8330

Instrument ID: HPLC4
 Initial Calibration Date: 10-MAY-05

Analyte	WG188649-01			WG188649-02		
	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	1000	446.747985839 844	2.238	500	217.363265991 211	2.300
1,3-Dinitrobenzene	1000	610.393554687 5	1.638	500	297.770141601 562	1.679
2,4,6-Trinitrotoluene	1000	423.587219238 281	2.361	500	205.149398803 711	2.437
2,4-Dinitrotoluene	1000	491.474548339 844	2.035	500	241.727981567 383	2.068
2,6-Dinitrotoluene	1000	306.740966796 875	3.260	500	150.109741210 938	3.331
2-Amino-4,6-Dinitrotoluene	1000	356.675018310 547	2.804	500	174.739929199 219	2.861
2-Nitrotoluene	1000	217.673385620 117	4.594	500	106.485511779 785	4.695
3-Nitrotoluene	1000	241.557525634 766	4.140	500	119.209320068 359	4.194
4-Amino-2,6-Dinitrotoluene	1000	245.562728881 836	4.072	500	121.182357788 086	4.126
4-Nitrotoluene	1000	176.280899047 852	5.673	500	86.6534042358 398	5.770
HMX	1000	167.391983032 227	5.974	500	83.7672042846 68	5.969
Nitrobenzene	1000	391.546417236 328	2.554	500	190.168502807 617	2.629
RDX	1000	197.137145996 094	5.073	500	95.2293777465 82	5.250
Tetryl	1000	302.889862060 547	3.302	500	148.361892700 195	3.370
3,4-Dinitrotoluene	1000	228.897964477 539	4.369	500	111.949325561 523	4.466

Login Number: L0505340
 Analytical Method: 8330

Instrument ID: HPLC4
 Initial Calibration Date: 10-MAY-05

Analyte	WG188649-03			WG188649-04		
	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	100	43.9480476379 395	2.275	50.0	20.9770450592 041	2.384
1,3-Dinitrobenzene	100	61.0492401123 047	1.638	50.0	29.0301837921 143	1.722
2,4,6-Trinitrotoluene	100	42.4625701904 297	2.355	50.0	19.8592967987 061	2.518
2,4-Dinitrotoluene	100	49.4773139953 613	2.021	50.0	23.4665546417 236	2.131
2,6-Dinitrotoluene	100	30.5008087158 203	3.279	50.0	14.5424079895 02	3.438
2-Amino-4,6-Dinitrotoluene	100	35.8206291198 73	2.792	50.0	17.3286323547 363	2.885
2-Nitrotoluene	100	21.1161098480 225	4.736	50.0	9.81066989898 682	5.096
3-Nitrotoluene	100	22.8780727386 475	4.371	50.0	10.5555210113 525	4.737
4-Amino-2,6-Dinitrotoluene	100	24.9738521575 928	4.004	50.0	11.9111776351 929	4.198
4-Nitrotoluene	100	16.7205638885 498	5.981	50.0	7.19282722473 145	6.951
HMX	100	16.1851272583 008	6.179	50.0	7.32371282577 515	6.827
Nitrobenzene	100	39.1169166564 941	2.556	50.0	18.6831703186 035	2.676
RDX	100	18.7005863189 697	5.347	50.0	8.75935649871 826	5.708
Tetryl	100	30.3004760742 188	3.300	50.0	14.2716827392 578	3.503
3,4-Dinitrotoluene	100	23.1127471923 828	4.327	50.0	11.2356529235 84	4.450

Login Number: L0505340
 Analytical Method: 8330

Instrument ID: HPLC4
 Initial Calibration Date: 10-MAY-05

Analyte	WG188649-05			WG188649-06		
	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	25.0	10.6327896118 164	2.351	10.0	4.04599857330 322	2.472
1,3-Dinitrobenzene	25.0	14.5816869735 718	1.714	10.0	5.93036365509 033	1.686
2,4,6-Trinitrotoluene	25.0	10.5805749893 188	2.363	10.0	4.02031326293 945	2.487
2,4-Dinitrotoluene	25.0	12.3679714202 881	2.021	10.0	4.89648914337 158	2.042
2,6-Dinitrotoluene	25.0	7.61175775527 954	3.284	10.0	2.96465897560 12	3.373
2-Amino-4,6-Dinitrotoluene	25.0	8.97884654998 779	2.784	10.0	3.44587087631 226	2.902
2-Nitrotoluene	25.0	4.36431169509 888	5.728	10.0	1.67381870746 613	5.974
3-Nitrotoluene	25.0	5.99579048156 738	4.170	10.0	1.88199961185 455	5.313
4-Amino-2,6-Dinitrotoluene	25.0	6.19186067581 177	4.038	10.0	2.12365388870 239	4.709
4-Nitrotoluene	25.0	4.35747051239 014	5.737	10.0	1.19627869129 181	8.359
HMX	25.0	3.66805291175 842	6.816	10.0	1.46236836910 248	6.838
Nitrobenzene	25.0	9.61166191101 074	2.601	10.0	3.66661310195 923	2.727
RDX	25.0	4.40615510940 552	5.674	10.0	1.69513332843 781	5.899
Tetryl	25.0	7.30986118316 65	3.420	10.0	3.26436543464 661	3.063
3,4-Dinitrotoluene	25.0	5.61809825897 217	4.450	10.0	2.18606066703 796	4.574

KEMRON Environmental Services
ALTERNATE SOURCE CALIBRATION REPORT

00094312

Login Number: L0505340 Run Date: 05/10/2005 Sample ID: WG188649-07
Instrument ID: HPLC4 Run Time: 17:56 Method: 8330
File ID: 4L007976.F Analyst: 833
ICal Workgroup: WG188649 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	52.7	2.25	5.5	ug/L	
1,3-Dinitrobenzene	50	51.8	1.65	3.5	ug/L	
2,4,6-Trinitrotoluene	50	55.3	2.23	10.5	ug/L	
2,4-Dinitrotoluene	50	57.0	1.82	14.1	ug/L	
2,6-Dinitrotoluene	50	54.6	3.10	9.2	ug/L	
2-Amino-4,6-Dinitrotoluene	50	55.1	2.61	10.2	ug/L	
2-Nitrotoluene	50	48.3	5.26	3.3	ug/L	
3-Nitrotoluene	50	51.2	4.38	2.4	ug/L	
4-Nitrotoluene	50	45.1	7.07	9.7	ug/L	
4-Amino-2,6-Dinitrotoluene	50	56.1	3.69	12.2	ug/L	
HMX	50	50.6	6.30	1.2	ug/L	
Nitrobenzene	50	51.9	2.58	3.8	ug/L	
RDX	50	54.4	5.15	8.7	ug/L	
Tetryl	50	55.1	3.09	10.2	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094313

Login Number: L0505340 Run Date: 05/18/2005 Sample ID: WG189347-01
Instrument ID: HPLC4 Run Time: 18:01 Method: 8330
File ID: 4L008118.F Analyst: RDC
Workgroup (AAB#): WG189374 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	51.9	2.29	3.7	ug/L	
1,3-Dinitrobenzene	50	50.7	1.69	1.4	ug/L	
2,4,6-Trinitrotoluene	50	44.5	2.80	11	ug/L	
2,4-Dinitrotoluene	50	53.4	1.95	6.9	ug/L	
2,6-Dinitrotoluene	50	49.9	3.40	.2	ug/L	
2-Amino-4,6-Dinitrotoluene	50	50.6	2.84	1.3	ug/L	
2-Nitrotoluene	50	52.8	4.77	5.6	ug/L	
3-Nitrotoluene	50	53.3	4.19	6.6	ug/L	
4-Nitrotoluene	50	53.2	5.88	6.4	ug/L	
4-Amino-2,6-Dinitrotoluene	50	43.3	4.80	13.4	ug/L	
HMX	50	54.0	5.88	8	ug/L	
Nitrobenzene	50	45.3	2.97	9.4	ug/L	
RDX	50	54.2	5.18	8.3	ug/L	
Tetryl	50	42.8	4.01	14.3	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094314

Login Number: L0505340 Run Date: 05/19/2005 Sample ID: WG189347-02
Instrument ID: HPLC4 Run Time: 00:51 Method: 8330
File ID: 4L008129.F Analyst: RDC
Workgroup (AAB#): WG189374 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	52.3	2.27	4.7	ug/L	
1,3-Dinitrobenzene	50	51.4	1.66	2.8	ug/L	
2,4,6-Trinitrotoluene	50	54.5	2.27	9.1	ug/L	
2,4-Dinitrotoluene	50	53.1	1.96	6.2	ug/L	
2,6-Dinitrotoluene	50	51.1	3.32	2.2	ug/L	
2-Amino-4,6-Dinitrotoluene	50	51.2	2.81	2.5	ug/L	
2-Nitrotoluene	50	54.5	4.61	8.9	ug/L	
3-Nitrotoluene	50	54.0	4.13	8	ug/L	
4-Nitrotoluene	50	53.7	5.82	7.5	ug/L	
4-Amino-2,6-Dinitrotoluene	50	50.4	4.12	.7	ug/L	
HMX	50	50.6	6.30	1.2	ug/L	
Nitrobenzene	50	49.9	2.68	.2	ug/L	
RDX	50	52.9	5.31	5.8	ug/L	
Tetryl	50	44.6	3.85	10.7	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094315

Login Number: L0505340 Run Date: 05/19/2005 Sample ID: WG189347-03
Instrument ID: HPLC4 Run Time: 07:41 Method: 8330
File ID: 4L008140.F Analyst: RDC
Workgroup (AAB#): WG189374 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	53.3	2.22	6.6	ug/L	
1,3-Dinitrobenzene	50	53.5	1.59	7.1	ug/L	
2,4,6-Trinitrotoluene	50	54.5	2.27	9	ug/L	
2,4-Dinitrotoluene	50	52.0	2.00	4	ug/L	
2,6-Dinitrotoluene	50	51.4	3.29	2.9	ug/L	
2-Amino-4,6-Dinitrotoluene	50	51.8	2.78	3.5	ug/L	
2-Nitrotoluene	50	54.5	4.61	8.9	ug/L	
3-Nitrotoluene	50	51.9	4.31	3.8	ug/L	
4-Nitrotoluene	50	52.0	6.04	4	ug/L	
4-Amino-2,6-Dinitrotoluene	50	50.5	4.10	1.1	ug/L	
HMX	50	50.8	6.27	1.7	ug/L	
Nitrobenzene	50	55.0	2.42	10	ug/L	
RDX	50	52.9	5.31	5.9	ug/L	
Tetryl	50	51.4	3.32	2.8	ug/L	

* Exceeds %D Limit



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: LHAAP-025

Page 1 of 1

Project Number: 845714

Samples Shipment Date: 16 MAY 2005

Bill To: Diane Meyer

3010 Briarpark Drive

Houston

TX 77042

Project Name: Longhorn Army Ammunition Plant Lab Destination: Kemron Lab

Sample Coordinator: Phil Conley

Lab Contact: Stephanie Mossburg

Report To: Diane Meyer

3010 Briarpark Drive

Houston

TX 77042

Turnaround Time:

Project Contact: Diane Meyer

Carrier/Waybill No.: UPS/J180 010 405 3

Special Instructions:

Possible Hazard Identification:

Non-hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown ☐Radiological ☐

Sample Disposal:

Return to Client ☐Disposal by Lab ☐

Archive

(mos.)

1. Relinquished By
(Signature/Affiliation)Date: 5/16/05
Time: 17001. Received By
(Signature/Affiliation)Brenda Gregory
KemronDate: 5/17/05
Time: 09402. Relinquished By
(Signature/Affiliation)Date:
Time:2. Received By
(Signature/Affiliation)Date:
Time:3. Relinquished By
(Signature/Affiliation)Date:
Time:3. Received By
(Signature/Affiliation)Date:
Time:

Comments:

OK sealed
Seal intact
Cooler temp 2
by

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	File	CID	Condition On Receipt
29WW15-MAY05:29WW15-GW-29WW15-MAY05-REG		16 MAY 2005	13:50	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL104	
29WW15-MAY05:29WW15-GW-29WW15-MAY05-D-FD		16 MAY 2005	13:50	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL104	
29WW16-MAY05:29WW16-GW-29WW16-MAY05-REG		16 MAY 2005	11:51	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL104	
29WW16-MAY05:29WW16-GW-29WW16-MAY05-D-FD		16 MAY 2005	11:51	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL104	
29WW17-MAY05:29WW17-GW-29WW17-MAY05-REG		16 MAY 2005	09:20	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL104	

Login: L0505340

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 5

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505340-01 133454 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:39	BRG	
2	PREP	W1	EXT	17-MAY-2005 12:57	CEB	BRG
3	DISP	EXT	DISP	18-MAY-2005 08:54	JKT	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:39	BRG	
2	STORE	W1	A1	17-MAY-2005 14:42	CEB	CEB

Samplenum **Container ID** **Products**

L0505340-02 133455 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:39	BRG	
2	PREP	W1	EXT	17-MAY-2005 12:57	CEB	BRG
3	DISP	EXT	DISP	18-MAY-2005 08:54	JKT	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:39	BRG	
2	STORE	W1	A1	17-MAY-2005 14:42	CEB	CEB

Samplenum **Container ID** **Products**

L0505340-03 133456 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:39	BRG	
2	PREP	W1	EXT	17-MAY-2005 12:57	CEB	BRG
3	DISP	EXT	DISP	18-MAY-2005 08:54	JKT	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:39	BRG	
2	STORE	W1	A1	17-MAY-2005 14:42	CEB	CEB

KEMRON Environmental Services
Internal Chain of Custody Report

00094318

Login: L0505340
Account: SHAW-ALLIANCE-798
Project: 798-LONGHORN
Samples: 5
Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505340-04 133457 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:39	BRG	
2	PREP	W1	EXT	17-MAY-2005 12:57	CEB	BRG
3	DISP	EXT	DISP	18-MAY-2005 08:54	JKT	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:39	BRG	
2	STORE	W1	A1	17-MAY-2005 14:42	CEB	CEB

Samplenum **Container ID** **Products**

L0505340-05 133458 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:39	BRG	
2	STORE	W1	A1	17-MAY-2005 14:42	CEB	CEB

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:39	BRG	
2	PREP	W1	EXT	17-MAY-2005 12:58	CEB	BRG
3	DISP	EXT	DISP	18-MAY-2005 08:54	JKT	DEL

SAMPLE RECEIPT FORM

00094319

Date: 5-17-05 Client: Shaw-LH

Shipped By: () Fed-Ex (☒) UPS () DHL () KEMRON () Client () Other

Opened By: BLG

Logged By: BLG Login # L05 05340

IR Temp Gun: ☒ D () F

156 STARLITE DRIVE
MARIETTA, OH
45750
(740) 373-4071

COOLER INFORMATION

Number	Cooler ID	Temp °C	Airbill#	COC#	Other
1	KL1484	3	J1788255433	020	
2	KL1519	4	J1788255424	023	
3	KL1316	1	J1788255442	021	
4	KL1665	2	J1788255460	019	
5	KL1045	2	J1800104053	025	
6	KL1706	5	J1788255406	024	

Were all coolers sealed? Y N N/A

Were custody seals used on all coolers? Y N N/A

Were custody seals intact? Y N N/A

Was visible ice present? Y N N/A

Were all coolers in the temperature range of 2-6C? (>6C*) Y N N/A

Were the samples frozen?* Y N N/A

Were COC papers provided? Y N N/A

Were all sample containers intact?* Y N N/A

Were all sample labels intact? Y N N/A

Were all sample labels legible?* Y N N/A

Did all sample labels match the COC?* Y N N/A

Was the label information complete?* Y N N/A

Were the correct containers used?* Y N N/A

Were the correct preservatives added to water samples?* Y N N/A

Was the pH tested on preserved water samples? Y N N/A

Were pH ranges acceptable?* Y N N/A

Was sufficient amount of sample provided?* Y N N/A

Were bubbles present in VOA samples?* Y N N/A

Were COC's signed and dated? Y N N/A

Did samples arrive before hold time expired?* Y N N/A

Are discrepancy forms attached? Y N N/A

*Requires a discrepancy form

Comments: _____

CRF #1
Revised 8/22/03



156 Starlite Drive, Marietta, OH 45750 • TEL 740-373-4071 • FAX 740-373-4835 • <http://www.kemron.com>

Laboratory Report Number: L0505341

Please find enclosed the analytical results for the samples you submitted to KEMRON Environmental Services.

Review and compilation of your report was completed by KEMRON's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact our team member noted in the Reviewed box below at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

Debra Elliott - Team Leader
delliott@kemron-lab.com

Amanda Fickiesen - Client Services Specialist
afickiesen@kemron-lab.com

Cheryl Koelsch - Team Chemist/Data Specialist
ckoelsch@kemron-lab.com

Annie Bock - Client Services Specialist
abock@kemron-lab.com

Stephanie Mossburg - Team Chemist/Data Specialist
smossburg@kemron-lab.com

Vicki Lauer - Client Services Specialist
vlauer@kemron-lab.com

Kathy Albertson - Team Chemist/Data Specialist
kalbertson@kemron-lab.com

Micalyn Harris - Team Chemist/Data Specialist
mharris@kemron-lab.com

This report was reviewed on May 24, 2005:

A handwritten signature in cursive script, reading "Stephanie Mossburg".

I certify that all test results meet all of the requirements of the NELAP standards and other applicable contract terms and conditions. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on an 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of KEMRON Environmental Services.

This report was certified on May 24, 2005:

A handwritten signature in cursive script, reading "David E. Vandenberg".

FL DOH NELAP ID: E87551

This report contains a total of 35 pages.

Protecting Our Environmental Future

LABORATORY REPORT

L0505341

00094321

05/24/05 15:22

Submitted By

KEMRON Environmental Services

156 Starlite Drive

Marietta , OH 45750

(740) 373 - 4071

For

Account Name: Shaw E & I, Inc.

ABB Lummus Building

3010 Briarpark

Houston, TX 77042

Attention: Diane Mever

Account Number: 307-ALLIANCE-798

Work ID: LONGHORN AAP

P.O. Number: 98696

Sample Summary

Client ID	Lab ID	Date Collected	Date Received
29WW02-MAY05	L0505341-01	14-MAY-05	17-MAY-05
29WW06-MAY05	L0505341-02	15-MAY-05	17-MAY-05
29WW07-MAY05	L0505341-03	14-MAY-05	17-MAY-05
29WW116-MAY05	L0505341-04	14-MAY-05	17-MAY-05
29WW18-MAY05	L0505341-05	14-MAY-05	17-MAY-05

KEMRON ENVIRONMENTAL SERVICES
REPORT NARRATIVE

KEMRON Login No.: L0505341

CHAIN OF CUSTODY: The chain of custody number was LHAAP-019

SHIPMENT CONDITIONS: The chain of custody forms were received sealed in a cooler. The cooler temperature was 2 degrees C.

SAMPLE MANAGEMENT: All samples received were intact.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Approved: 17-MAY-05

<i>Stephanie Moseburg</i>

KEMRON ENVIRONMENTAL SERVICES
HPLC-EXPLOSIVE RESIDUES

KEMRON Login No.: L0505341

METHOD

Analysis: SW-846 8330

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds linear equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Matrix Spikes: The MS/MSD results were not associated with this sample delivery group.

SAMPLES

Surrogates: Sample fraction 04 yielded a percent recovery for the surrogate that was above the advisory level. This extract was highly colored and required dilution at 2000X. There is chromatographic evidence of sample matrix interference. This extract re-analyzed at several dilutions wherein the surrogate was DL. All other acceptance criteria were met.

Samples: Sample fraction 04 was re-analyzed at several dilutions in order to maintain the analysis within the range of calibration.

Manual Integration Reason Codes

KEMRON laboratory management has identified four general cases with valid reasons supporting the use of manual integration techniques.

Reason #1: Data System Fails to Select Correct Peak

In some cases the chromatography system selects and integrates the "wrong peak". In this case the analyst must

correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

00094324

Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak.

This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

Reason #3: Improperly Integrated Isomers and/or coeluting compounds.

This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline

There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous

Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: RDC

Approved: 24-MAY-05



Report Number: L0505341

Report Date : May 24, 2005

00094325

Sample Number: L0505341-01
 Client ID: 29WW02-MAY05
 Matrix: Water
 Workgroup Number: WG189638
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/18/2005 11:30
 Cal Date: 05/10/2005 17:19
 Run Date: 05/23/2005 19:26
 File ID: 4L008195.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.00	0.250
1,3-Dinitrobenzene	99-65-0		U	1.00	0.250
2,4,6-Trinitrotoluene	118-96-7		U	1.00	0.250
2,4-Dinitrotoluene	121-14-2		U	1.00	0.250
2,6-Dinitrotoluene	606-20-2		U	1.00	0.250
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.00	0.250
2-Nitrotoluene	88-72-2		U	1.00	0.250
3-Nitrotoluene	99-08-1		U	1.00	0.250
4-Nitrotoluene	99-99-0		U	1.00	0.250
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.00	0.250
HMX	2691-41-0		U	1.00	0.250
Nitrobenzene	98-95-3		U	1.00	0.250
RDX	121-82-4		U	1.00	0.250
Tetryl	479-45-8		U	1.00	0.250
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	86.5	50	150		

U Not detected at or above adjusted sample detection limit

Sample Number: L0505341-02
 Client ID: 29WW06-MAY05
 Matrix: Water
 Workgroup Number: WG189638
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/18/2005 11:30
 Cal Date: 05/10/2005 17:19
 Run Date: 05/23/2005 20:03
 File ID: 4L008196.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4	0.278	J	1.03	0.258
1,3-Dinitrobenzene	99-65-0	0.345	J	1.03	0.258
2,4,6-Trinitrotoluene	118-96-7		U	1.03	0.258
2,4-Dinitrotoluene	121-14-2	0.938	J	1.03	0.258
2,6-Dinitrotoluene	606-20-2		U	1.03	0.258
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.03	0.258
2-Nitrotoluene	88-72-2		U	1.03	0.258
3-Nitrotoluene	99-08-1		U	1.03	0.258
4-Nitrotoluene	99-99-0		U	1.03	0.258
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.03	0.258
HMX	2691-41-0		U	1.03	0.258
Nitrobenzene	98-95-3		U	1.03	0.258
RDX	121-82-4		U	1.03	0.258
Tetryl	479-45-8		U	1.03	0.258
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	87.9	50	150		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Report Number: L0505341

Report Date : May 24, 2005

00094326

Sample Number: L0505341-03
 Client ID: 29WW07-MAY05
 Matrix: Water
 Workgroup Number: WG189638
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/18/2005 11:30
 Cal Date: 05/10/2005 17:19
 Run Date: 05/23/2005 20:40
 File ID: 4L008197.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.02	0.255
1,3-Dinitrobenzene	99-65-0		U	1.02	0.255
2,4,6-Trinitrotoluene	118-96-7		U	1.02	0.255
2,4-Dinitrotoluene	121-14-2		U	1.02	0.255
2,6-Dinitrotoluene	606-20-2		U	1.02	0.255
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.02	0.255
2-Nitrotoluene	88-72-2		U	1.02	0.255
3-Nitrotoluene	99-08-1		U	1.02	0.255
4-Nitrotoluene	99-99-0		U	1.02	0.255
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.02	0.255
HMX	2691-41-0		U	1.02	0.255
Nitrobenzene	98-95-3		U	1.02	0.255
RDX	121-82-4		U	1.02	0.255
Tetryl	479-45-8		U	1.02	0.255
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	91.3	50	150		

U Not detected at or above adjusted sample detection limit

Sample Number: L0505341-04
 Client ID: 29WW116-MAY05
 Matrix: Water
 Workgroup Number: WG189638
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/18/2005 11:30
 Cal Date: 05/10/2005 17:19
 Run Date: 05/23/2005 21:18
 File ID: 4L008198.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.00	0.250
1,3-Dinitrobenzene	99-65-0		U	1.00	0.250
2,4,6-Trinitrotoluene	118-96-7		U	1.00	0.250
2,4-Dinitrotoluene	121-14-2		U	1.00	0.250
2,6-Dinitrotoluene	606-20-2	264	I	1.00	0.250
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.00	0.250
2-Nitrotoluene	88-72-2	7130	I	1.00	0.250
3-Nitrotoluene	99-08-1	467	I	1.00	0.250
4-Nitrotoluene	99-99-0	1420	I	1.00	0.250
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.00	0.250
HMX	2691-41-0		U	1.00	0.250
Nitrobenzene	98-95-3		U	1.00	0.250
RDX	121-82-4		U	1.00	0.250
Tetryl	479-45-8		U	1.00	0.250
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	461	50	150	*	

* Surrogate or spike compound out of range

I Semiquantitative result (out of instrument calibration range)

U Not detected at or above adjusted sample detection limit

Report Number: L0505341

Report Date : May 24, 2005

00094327

Sample Number: L0505341-04
 Client ID: 29WW116-MAY05
 Matrix: Water
 Workgroup Number: WG189638
 Collect Date: 14-MAY-05
 Sample Tag: DL01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 100
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/18/2005 11:30
 Cal Date: 05/10/2005 17:19
 Run Date: 05/24/2005 05:22
 File ID: 4L008211.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	100	25.0
1,3-Dinitrobenzene	99-65-0		U	100	25.0
2,4,6-Trinitrotoluene	118-96-7		U	100	25.0
2,4-Dinitrotoluene	121-14-2		U	100	25.0
2,6-Dinitrotoluene	606-20-2	239		100	25.0
2-Amino-4,6-dinitrotoluene	35572-78-2		U	100	25.0
2-Nitrotoluene	88-72-2	8710	I	100	25.0
3-Nitrotoluene	99-08-1	451		100	25.0
4-Nitrotoluene	99-99-0	1380	I	100	25.0
4-Amino-2,6-dinitrotoluene	19406-51-0		U	100	25.0
HMX	2691-41-0		U	100	25.0
Nitrobenzene	98-95-3		U	100	25.0
RDX	121-82-4		U	100	25.0
Tetryl	479-45-8		U	100	25.0
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene		50	150	*	

* Surrogate or spike compound out of range

I Semiquantitative result (out of instrument calibration range)

U Not detected at or above adjusted sample detection limit

Sample Number: L0505341-04
 Client ID: 29WW116-MAY05
 Matrix: Water
 Workgroup Number: WG189638
 Collect Date: 14-MAY-05
 Sample Tag: DL02

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 500
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/18/2005 11:30
 Cal Date: 05/10/2005 17:19
 Run Date: 05/24/2005 05:59
 File ID: 4L008212.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	500	125
1,3-Dinitrobenzene	99-65-0		U	500	125
2,4,6-Trinitrotoluene	118-96-7		U	500	125
2,4-Dinitrotoluene	121-14-2		U	500	125
2,6-Dinitrotoluene	606-20-2	221	J	500	125
2-Amino-4,6-dinitrotoluene	35572-78-2		U	500	125
2-Nitrotoluene	88-72-2	8500	I	500	125
3-Nitrotoluene	99-08-1	437	J	500	125
4-Nitrotoluene	99-99-0	1400		500	125
4-Amino-2,6-dinitrotoluene	19406-51-0		U	500	125
HMX	2691-41-0		U	500	125
Nitrobenzene	98-95-3		U	500	125
RDX	121-82-4		U	500	125
Tetryl	479-45-8		U	500	125
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene		50	150	*	

* Surrogate or spike compound out of range

I Semiquantitative result (out of instrument calibration range)

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Report Number: L0505341

Report Date : May 24, 2005

00094328

Sample Number: L0505341-04
 Client ID: 29WW116-MAY05
 Matrix: Water
 Workgroup Number: WG189638
 Collect Date: 14-MAY-05
 Sample Tag: DL03

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 2000
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/18/2005 11:30
 Cal Date: 05/10/2005 17:19
 Run Date: 05/24/2005 06:36
 File ID: 4L008213.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	2000	500
1,3-Dinitrobenzene	99-65-0		U	2000	500
2,4,6-Trinitrotoluene	118-96-7		U	2000	500
2,4-Dinitrotoluene	121-14-2		U	2000	500
2,6-Dinitrotoluene	606-20-2		U	2000	500
2-Amino-4,6-dinitrotoluene	35572-78-2		U	2000	500
2-Nitrotoluene	88-72-2	8140		2000	500
3-Nitrotoluene	99-08-1		U	2000	500
4-Nitrotoluene	99-99-0	1280	J	2000	500
4-Amino-2,6-dinitrotoluene	19406-51-0		U	2000	500
HMX	2691-41-0		U	2000	500
Nitrobenzene	98-95-3		U	2000	500
RDX	121-82-4		U	2000	500
Tetryl	479-45-8		U	2000	500
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene		50	150	*	

* Surrogate or spike compound out of range

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: L0505341-05
 Client ID: 29WW18-MAY05
 Matrix: Water
 Workgroup Number: WG189638
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/18/2005 11:30
 Cal Date: 05/10/2005 17:19
 Run Date: 05/23/2005 21:55
 File ID: 4L008199.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.02	0.255
1,3-Dinitrobenzene	99-65-0		U	1.02	0.255
2,4,6-Trinitrotoluene	118-96-7		U	1.02	0.255
2,4-Dinitrotoluene	121-14-2		U	1.02	0.255
2,6-Dinitrotoluene	606-20-2		U	1.02	0.255
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.02	0.255
2-Nitrotoluene	88-72-2		U	1.02	0.255
3-Nitrotoluene	99-08-1		U	1.02	0.255
4-Nitrotoluene	99-99-0		U	1.02	0.255
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.02	0.255
HMX	2691-41-0		U	1.02	0.255
Nitrobenzene	98-95-3		U	1.02	0.255
RDX	121-82-4		U	1.02	0.255
Tetryl	479-45-8		U	1.02	0.255
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	87.5	50	150		

U Not detected at or above adjusted sample detection limit

WORKGROUP SUMMARY BY METHOD

Analysis:Explosives

Extraction Method:3535

Workgroup:WG189252

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505341-01	29WW02-MAY05		05/18/05 11:30			SPE	CEB
L0505341-02	29WW06-MAY05		05/18/05 11:30			SPE	CEB
L0505341-03	29WW07-MAY05		05/18/05 11:30			SPE	CEB
L0505341-04	29WW116-MAY05		05/18/05 11:30			SPE	CEB
L0505341-05	29WW18-MAY05		05/18/05 11:30			SPE	CEB

Analysis:Explosives

Analytical Method:8330

Workgroup:WG189638

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505341-01	29WW02-MAY05		05/18/05 11:30	05/23/05 19:26	01	HPLC4	RDC
L0505341-02	29WW06-MAY05		05/18/05 11:30	05/23/05 20:03	01	HPLC4	RDC
L0505341-03	29WW07-MAY05		05/18/05 11:30	05/23/05 20:40	01	HPLC4	RDC
L0505341-04	29WW116-MAY05		05/18/05 11:30	05/23/05 21:18	01	HPLC4	RDC
L0505341-04	29WW116-MAY05		05/18/05 11:30	05/24/05 05:22	DL01	HPLC4	RDC
L0505341-04	29WW116-MAY05		05/18/05 11:30	05/24/05 05:59	DL02	HPLC4	RDC
L0505341-04	29WW116-MAY05		05/18/05 11:30	05/24/05 06:36	DL03	HPLC4	RDC
L0505341-05	29WW18-MAY05		05/18/05 11:30	05/23/05 21:55	01	HPLC4	RDC

Kemron Environmental Services
Analyst Listing May 24, 2005

AJF - AMANDA J. FICKIESEN	ALB - ANNIE L. BOCK	ALT - ANN L. THAYER
BRG - BRENDA R. GREGORY	CAF - CHERYL A. FLOWERS	CAK - CHERYL A. KOELSCH
CEB - CHAD E. BARNES	CLC - CHRYS L. CRAWFORD	CLK - CARL L. KING
CLS - CARA L. STRICKLER	CLW - CHARISSA L. WINTERS	CM - CHARLIE MARTIN
CMS - CRYSTAL M. STEPHENS	CPD - CHAD P. DAVIS	CRC - CARLA R. COCHRAN
CSH - CHRIS S. HILL	DAS - DALLAS A. SULLIVAN	DD - DIANE M. DENNIS
DDE - DEBRA D. ELLIOTT	DEL - DON E. LIGHTFRITZ	DEV - DAVID E. VANDENBERG
DGB - DOUGLAS G. BUTCHER	DIH - DEANNA I. HESSON	DLB - DAVID L. BUMGARNER
DLP - DOROTHY L. PAYNE	DLR - DIANNA L. RAUCH	DP - DEANNA L. PIERSON
DR - DEANNA ROBERTS	DRB - DOUG R. BARNETT	DSM - DAVID S. MOSSOR
DST - DENNIS S. TEPE	ECL - ERIC C. LAWSON	ED - EMILY E. DECKER
HAV - HEMA VILASAGAR	JAL - JOHN A. LENT	JJG - JOHN J. GREUEY
JKT - JANE K. THOMPSON	JLS - JANICE L. SCHIMMEL	JWR - JOHN W. RICHARDS
JWS - JACK W. SHEAVES	JYH - JI Y. HU	KEB - KATHRYN E. BARNES
KHR - KIM H. RHODES	KRA - KATHY R. ALBERTSON	LKN - LINDA K. NEDEFF
LSA - LUCINDA S. ARNOLD	LSB - LESLIE S. BUCINA	MAH - MICALYN A. HARRIS
MDA - MICHAEL D. ALBERTSON	MDC - MICHAEL D. COCHRAN	MES - MARY E. SCHILLING
MKZ - MARILYN K. ZUMBRO	MLR - MARY L. ROCHOTTE	MLS - MICHAEL L. SCHIMMEL
MMB - MAREN M. BEERY	MSW - MATT S. WILSON	NJB - NATALIE J. BOOTH
OGT - OKEY G. TUCKER	PAS - PATRICK A. STREET	RB - ROBERT BUCHANAN
RDC - REBECCA D. CUTLIP	REK - ROBERT E. KYER	RWC - RODNEY W. CAMPBELL
SCM - SUSAN C. MOELLENDICK	SK - SANDRA KEENER	SLM - STEPHANIE L. MOSSBURG
SLP - SHERI L. PFALZGRAF	SMH - SHAUNA M. HYDE	TD - TIMOTHY DYSERT
TMM - TAMMY M. MORRIS	VC - VICKI COLLIER	VKL - VICKY K. LAUER

KEMRON Environmental Services, Inc.

List of Valid Qualifiers

May 24, 2005

These are KEMRON's standard report qualifiers:

B	Present in the method blank	NS	Not spiked
C	Confirmed by GC/MS	P	Concentration >40% difference between the two GC columns
CG	Confluent growth	QNS	Quantity not sufficient to perform analysis
D	The analyte was quantified as a secondary dilution factor	RA	Reanalysis confirms reported results
DL	Surrogate or spike was diluted out	RE	Reanalysis confirms sample matrix interference
E	Estimated concentration due to sample matrix interference	S	Analyzed by method of standard addition
FL	Free liquid	SMI	Sample matrix interference on surrogate
I	Semi-quantitative result, out of instrument calibration range	SP	Reported results are for spike compounds only
J	Present below normal reporting limit	TNTC	Too numerous to count
L	Sample reporting limits elevated due to matrix interference	U	Analyzed for but not detected
N	Tentatively Identified Compound (TIC)	W	Post-digestion spike for furnace AA out of control limits
NA	Not applicable	X	Exceeds regulatory limit
ND	Not detected at or above the reporting limit (RL)	Z	Can not be resolved from isomer.***
NF	Not found	+	Correlation coefficient for the MSA is less than 0.995
NFL	No free liquid	<	Less than
NI	Non-ignitable	>	Greater than
		*	Surrogate or spike compound out of range

*****Special Notes for Organic Analytes**

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound and are matrix dependent.

AFCEE Qualifiers

These are KEMRON's AFCEE Report Qualifiers

- J** The analyte was positively identified, the quantitation is an estimation.
- U** The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL
- F** The analyte was positively identified by the associated numerical value is below the RL
- R** The data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria
- B** The analyte was found in an associated blank, as well as in the sample
- M** The matrix effect was present
- S** To be applied to all field screening data
- T** Tentatively identified compound (using GC/MS)

Organic QA/QC

Figure 1
Semi-Volatile GC Checklist

Run Date: 5-10-05
 Analyst: ECL
 Instrument: HPLC4
 Method: 8330

Login no. Due Date Priority

05-084 need rerun

		Analyst	Peer
System Performance Check:	Endrin/DDT Breakdown		
Initial Calibration:	ICAL summary	✓	✓
	Linear or quadratic regression	✓	✓
	Alt Source Check	✓	✓
Continuing Calibration:	Continuing Calibration	✓	✓
	Ending standards	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD	✓	✓
Samples:	Quant Reports/Chromatograms	✓	✓
	Mass spectra		
	Surrogates	✓	✓
	Dilution runs		
	Confirmations	NA	
	Correct Factors	✓	✓
	Manual integrations	✓	✓
Data Package:	Run logs	✓	✓
	Bench sheets		
	Upload results		
	QC forms		
	Seedpak workgroups		
Client Data	Data scanned		
	Integrations digitally signed	✓	
	Level 2 pdf files		
	Level 3/Level x		
	Level 4 copies		
	Case narratives		
		Supervisor	
	Integrations digitally cosigned	✓	
	Corrective Action		
	Results Reporting/Data Qualifiers		
	Client Data/digital signatures		
	Check for Completeness	✓	
	Check for compliance with method and project requirements	✓	
	Check the reasonableness of results	✓	

✓ = Checked & OK

NA = Not Applicable

Primary Reviewer:

ECL 5-11-05

Secondary Reviewer:

Robert Hester

Comments:

Semi-Volatile HPLC Checklist

Run Date: 23-MAY-2005Analyst: RDCInstrument: HPLC4Method: 8330

Login no.	Due Date	Priority
05-338	24-May-05	F3
05-341	24-May-05	F3
05-342	24-May-05	F3
05-398	24-May-05	F3
05-400	24-May-05	F3

		Analyst	Peer
Initial Calibration:	ICAL summary		
	Linear or quadratic regression		
	Alt Source Check		
Continuing Calibration:	Continuing Calibration	✓	✓
	Ending Standards	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD		
Samples:	Quant Reports/Chromatograms	✓	✓
	TCL Hits	✓	✓
	Surrogates	✓	✓
	Dilution runs		
	Confirmations		
	Correct Factors		
	Manual integrations	✓	✓
Data Package:	Run logs	✓	✓
	Bench sheets	✓	✓
	Upload results	✓	✓
	QC forms	✓	✓
	Seedpak workgroups	✓	✓
Client Data	Data scanned		
	Level 2 pdf files		
	Level 3/Level x		
	Level 4 copies		
	Case narratives		
	Integrations digitally signed	✓	
	Supervisor		
Corrective Action:			
Results Reporting/Data Qualifiers:		✓	
Client Data/digital signatures		✓	
Check for Completeness:		✓	
Check for compliance with method and project requirements:		✓	
Check the reasonableness of results:		✓	

✓ = Checked & OK

NA = Not Applicable

Primary Reviewer: RDC 5/24/05Secondary Reviewer: 5/24/05

Comments: _____

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00094336

Analytical Method: 8330
Login Number: L0505341

AAB#: WG189638

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
29WW02-MAY05	05/14/05	05/17/05	05/18/05	7	3.90	05/23/05	40	5.33	
29WW06-MAY05	05/15/05	05/17/05	05/18/05	7	2.99	05/23/05	40	5.36	
29WW07-MAY05	05/14/05	05/17/05	05/18/05	7	3.98	05/23/05	40	5.38	
29WW116-MAY05	05/14/05	05/17/05	05/18/05	7	3.90	05/23/05	40	5.41	
29WW116-MAY05	05/14/05	05/17/05	05/18/05	7	3.90	05/24/05	40	5.74	
29WW116-MAY05	05/14/05	05/17/05	05/18/05	7	3.90	05/24/05	40	5.77	
29WW116-MAY05	05/14/05	05/17/05	05/18/05	7	3.90	05/24/05	40	5.80	
29WW18-MAY05	05/14/05	05/17/05	05/18/05	7	3.90	05/23/05	40	5.43	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

SURROGATE STANDARDS

Login Number: L0505341
Instrument Id: HPLC4
Workgroup (AAB#): WG189638

Method: 8330
CAL ID: HPLC4 - 10-MAY-05
Matrix: WATER

Sample Number	Dilution	Tag	1
L0505341-01	1.00	01	86.5
L0505341-02	1.00	01	87.9
L0505341-03	1.00	01	91.3
L0505341-04	1.00	01	<u>461</u>
L0505341-04	100	DL01	DL
L0505341-04	500	DL02	DL
L0505341-04	2000	DL03	DL
L0505341-05	1.00	01	87.5
WG189252-02	1.00	01	95.9
WG189252-03	1.00	01	107

Surrogates	Surrogate Limits
1 - 3,4-Dinitrotoluene	50 - 150

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

Login Number: L0505341
Blank File ID: 4L008193.F
Date Analyzed: 05/23/05
Time Analyzed: 18:11
Analyst: RDC

Work Group: WG189638
Blank Sample ID: WG189252-02
Instrument ID: HPLC4
Method: 8330

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG189252-03	4L008194.F	05/23/05 18:49	01
29WW02-MAY05	L0505341-01	4L008195.F	05/23/05 19:26	01
29WW06-MAY05	L0505341-02	4L008196.F	05/23/05 20:03	01
29WW07-MAY05	L0505341-03	4L008197.F	05/23/05 20:40	01
29WW116-MAY05	L0505341-04	4L008198.F	05/23/05 21:18	01
29WW18-MAY05	L0505341-05	4L008199.F	05/23/05 21:55	01
29WW116-MAY05	L0505341-04	4L008211.F	05/24/05 05:22	DL01
29WW116-MAY05	L0505341-04	4L008212.F	05/24/05 05:59	DL02
29WW116-MAY05	L0505341-04	4L008213.F	05/24/05 06:36	DL03

Login Number: L0505341 Run Date: 05/23/2005 Sample ID: WG189252-02
 Instrument ID: HPLC4 Run Time: 18:11 Prep Method: 3535
 File ID: 4L008193.F Analyst: RDC Method: 8330
 Workgroup (AAB#): WG189638 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPLC4-10-MAY-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
1,3,5-Trinitrobenzene	0.250	1.00	0.250	1	U
1,3-Dinitrobenzene	0.250	1.00	0.250	1	U
2,4,6-Trinitrotoluene	0.250	1.00	0.250	1	U
2,4-Dinitrotoluene	0.250	1.00	0.250	1	U
2,6-Dinitrotoluene	0.250	1.00	0.250	1	U
2-Amino-4,6-dinitrotoluene	0.250	1.00	0.250	1	U
2-Nitrotoluene	0.250	1.00	0.250	1	U
3-Nitrotoluene	0.250	1.00	0.250	1	U
4-Nitrotoluene	0.250	1.00	0.250	1	U
4-Amino-2,6-dinitrotoluene	0.250	1.00	0.250	1	U
HMX	0.250	1.00	0.250	1	U
Nitrobenzene	0.250	1.00	0.250	1	U
RDX	0.250	1.00	0.250	1	U
Tetryl	0.250	1.00	0.250	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
3,4-Dinitrotoluene	95.9	50 - 150	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

ND Analyte Not detected at or above reporting limit

Login Number: L0505341 Run Date: 05/23/2005 Sample ID: WG189252-03
 Instrument ID: HPLC4 Run Time: 18:49 Prep Method: 3535
 File ID: 4L008194.F Analyst: RDC Method: 8330
 Workgroup (AAB#): WG189638 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPLC4-10-MAY-2005

Analytes	Expected	Found	% Rec	LCS Limits	Q
1,3,5-Trinitrobenzene	1.00	0.891	89.1	58 - 120	
1,3-Dinitrobenzene	1.00	0.986	98.6	68 - 135	
2,4,6-Trinitrotoluene	1.00	0.915	91.5	27 - 137	
2,4-Dinitrotoluene	1.00	1.02	102	69 - 109	
2,6-Dinitrotoluene	1.00	1.02	102	55 - 121	
2-Amino-4,6-dinitrotoluene	1.00	1.01	101	72 - 112	
2-Nitrotoluene	1.00	0.978	97.8	67 - 121	
3-Nitrotoluene	1.00	1.00	100	66 - 110	
4-Nitrotoluene	1.00	0.960	96.0	68 - 110	
4-Amino-2,6-dinitrotoluene	1.00	1.00	100	74 - 116	
HMX	1.00	0.770	77.0	54 - 99	
Nitrobenzene	1.00	1.05	105	70 - 131	
RDX	1.00	0.794	79.4	60 - 116	
Tetryl	1.00	0.819	81.9	10 - 147	

Surrogates	% Recovery	Surrogate Limits	Qualifier
3,4-Dinitrotoluene	107	50 - 150	PASS

* FAILS %REC LIMIT

Login Number: L0505341
Analytical Method: 8330
ICAL Workgroup: WG188649

Instrument ID: HPLC4
Initial Calibration Date: 10-MAY-05

Analyte		AVG RF	% RSD	R2	QUAD
1,3,5-Trinitrobenzene		2.337	3.55		
1,3-Dinitrobenzene		1.680	2.16		
2,4,6-Trinitrotoluene		2.420	2.92		
2,4-Dinitrotoluene		2.053	1.99		
2,6-Dinitrotoluene		3.328	2.02		
2-Amino-4,6-Dinitrotoluene		2.838	1.80		
2-Nitrotoluene		5.137	10.8		
3-Nitrotoluene		4.488	9.41		
4-Amino-2,6-Dinitrotoluene		4.191	5.77		
4-Nitrotoluene		6.412	14.3		
HMX		6.434	6.84		
Nitrobenzene		2.624	2.59		
RDX		5.492	5.79		
Tetryl		3.326	4.67		
3,4-Dinitrotoluene		4.439	1.93		

Login Number: L0505341
 Analytical Method: 8330

Instrument ID: HPLC4
 Initial Calibration Date: 10-MAY-05

Analyte	WG188649-01			WG188649-02		
	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	1000	446.747985839 844	2.238	500	217.363265991 211	2.300
1,3-Dinitrobenzene	1000	610.393554687 5	1.638	500	297.770141601 562	1.679
2,4,6-Trinitrotoluene	1000	423.587219238 281	2.361	500	205.149398803 711	2.437
2,4-Dinitrotoluene	1000	491.474548339 844	2.035	500	241.727981567 383	2.068
2,6-Dinitrotoluene	1000	306.740966796 875	3.260	500	150.109741210 938	3.331
2-Amino-4,6-Dinitrotoluene	1000	356.675018310 547	2.804	500	174.739929199 219	2.861
2-Nitrotoluene	1000	217.673385620 117	4.594	500	106.485511779 785	4.695
3-Nitrotoluene	1000	241.557525634 766	4.140	500	119.209320068 359	4.194
4-Amino-2,6-Dinitrotoluene	1000	245.562728881 836	4.072	500	121.182357788 086	4.126
4-Nitrotoluene	1000	176.280899047 852	5.673	500	86.6534042358 398	5.770
HMX	1000	167.391983032 227	5.974	500	83.7672042846 68	5.969
Nitrobenzene	1000	391.546417236 328	2.554	500	190.168502807 617	2.629
RDX	1000	197.137145996 094	5.073	500	95.2293777465 82	5.250
Tetryl	1000	302.889862060 547	3.302	500	148.361892700 195	3.370
3,4-Dinitrotoluene	1000	228.897964477 539	4.369	500	111.949325561 523	4.466

Login Number: L0505341
 Analytical Method: 8330

Instrument ID: HPLC4
 Initial Calibration Date: 10-MAY-05

Analyte	WG188649-03			WG188649-04		
	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	100	43.9480476379 395	2.275	50.0	20.9770450592 041	2.384
1,3-Dinitrobenzene	100	61.0492401123 047	1.638	50.0	29.0301837921 143	1.722
2,4,6-Trinitrotoluene	100	42.4625701904 297	2.355	50.0	19.8592967987 061	2.518
2,4-Dinitrotoluene	100	49.4773139953 613	2.021	50.0	23.4665546417 236	2.131
2,6-Dinitrotoluene	100	30.5008087158 203	3.279	50.0	14.5424079895 02	3.438
2-Amino-4,6-Dinitrotoluene	100	35.8206291198 73	2.792	50.0	17.3286323547 363	2.885
2-Nitrotoluene	100	21.1161098480 225	4.736	50.0	9.81066989898 682	5.096
3-Nitrotoluene	100	22.8780727386 475	4.371	50.0	10.5555210113 525	4.737
4-Amino-2,6-Dinitrotoluene	100	24.9738521575 928	4.004	50.0	11.9111776351 929	4.198
4-Nitrotoluene	100	16.7205638885 498	5.981	50.0	7.19282722473 145	6.951
HMX	100	16.1851272583 008	6.179	50.0	7.32371282577 515	6.827
Nitrobenzene	100	39.1169166564 941	2.556	50.0	18.6831703186 035	2.676
RDX	100	18.7005863189 697	5.347	50.0	8.75935649871 826	5.708
Tetryl	100	30.3004760742 188	3.300	50.0	14.2716827392 578	3.503
3,4-Dinitrotoluene	100	23.1127471923 828	4.327	50.0	11.2356529235 84	4.450

Login Number: L0505341
 Analytical Method: 8330

Instrument ID: HPLC4
 Initial Calibration Date: 10-MAY-05

Analyte	WG188649-05			WG188649-06		
	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	25.0	10.6327896118 164	2.351	10.0	4.04599857330 322	2.472
1,3-Dinitrobenzene	25.0	14.5816869735 718	1.714	10.0	5.93036365509 033	1.686
2,4,6-Trinitrotoluene	25.0	10.5805749893 188	2.363	10.0	4.02031326293 945	2.487
2,4-Dinitrotoluene	25.0	12.3679714202 881	2.021	10.0	4.89648914337 158	2.042
2,6-Dinitrotoluene	25.0	7.61175775527 954	3.284	10.0	2.96465897560 12	3.373
2-Amino-4,6-Dinitrotoluene	25.0	8.97884654998 779	2.784	10.0	3.44587087631 226	2.902
2-Nitrotoluene	25.0	4.36431169509 888	5.728	10.0	1.67381870746 613	5.974
3-Nitrotoluene	25.0	5.99579048156 738	4.170	10.0	1.88199961185 455	5.313
4-Amino-2,6-Dinitrotoluene	25.0	6.19186067581 177	4.038	10.0	2.12365388870 239	4.709
4-Nitrotoluene	25.0	4.35747051239 014	5.737	10.0	1.19627869129 181	8.359
HMX	25.0	3.66805291175 842	6.816	10.0	1.46236836910 248	6.838
Nitrobenzene	25.0	9.61166191101 074	2.601	10.0	3.66661310195 923	2.727
RDX	25.0	4.40615510940 552	5.674	10.0	1.69513332843 781	5.899
Tetryl	25.0	7.30986118316 65	3.420	10.0	3.26436543464 661	3.063
3,4-Dinitrotoluene	25.0	5.61809825897 217	4.450	10.0	2.18606066703 796	4.574

KEMRON Environmental Services
ALTERNATE SOURCE CALIBRATION REPORT

00094345

Login Number: L0505341 Run Date: 05/10/2005 Sample ID: WG188649-07
Instrument ID: HPLC4 Run Time: 17:56 Method: 8330
File ID: 4L007976.F Analyst: 833
ICal Workgroup: WG188649 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	52.7	2.25	5.5	ug/L	
1,3-Dinitrobenzene	50	51.8	1.65	3.5	ug/L	
2,4,6-Trinitrotoluene	50	55.3	2.23	10.5	ug/L	
2,4-Dinitrotoluene	50	57.0	1.82	14.1	ug/L	
2,6-Dinitrotoluene	50	54.6	3.10	9.2	ug/L	
2-Amino-4,6-Dinitrotoluene	50	55.1	2.61	10.2	ug/L	
2-Nitrotoluene	50	48.3	5.26	3.3	ug/L	
3-Nitrotoluene	50	51.2	4.38	2.4	ug/L	
4-Nitrotoluene	50	45.1	7.07	9.7	ug/L	
4-Amino-2,6-Dinitrotoluene	50	56.1	3.69	12.2	ug/L	
HMX	50	50.6	6.30	1.2	ug/L	
Nitrobenzene	50	51.9	2.58	3.8	ug/L	
RDX	50	54.4	5.15	8.7	ug/L	
Tetryl	50	55.1	3.09	10.2	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094346

Login Number: L0505341 Run Date: 05/19/2005 Sample ID: WG189404-02
Instrument ID: HPLC4 Run Time: 23:23 Method: 8330
File ID: 4L008153.F Analyst: RDC
Workgroup (AAB#): WG189638 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	52.4	2.26	4.8	ug/L	
1,3-Dinitrobenzene	50	52.6	1.62	5.3	ug/L	
2,4,6-Trinitrotoluene	50	54.4	2.27	8.9	ug/L	
2,4-Dinitrotoluene	50	51.8	2.01	3.7	ug/L	
2,6-Dinitrotoluene	50	52.6	3.22	5.3	ug/L	
2-Amino-4,6-Dinitrotoluene	50	52.2	2.75	4.4	ug/L	
2-Nitrotoluene	50	51.2	4.94	2.3	ug/L	
3-Nitrotoluene	50	50.5	4.44	.9	ug/L	
4-Nitrotoluene	50	51.2	6.14	2.5	ug/L	
4-Amino-2,6-Dinitrotoluene	50	52.5	3.95	4.9	ug/L	
HMX	50	53.3	5.96	6.6	ug/L	
Nitrobenzene	50	55.0	2.42	9.9	ug/L	
RDX	50	52.7	5.33	5.5	ug/L	
Tetryl	50	46.5	3.69	7.1	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094347

Login Number: L0505341 Run Date: 05/20/2005 Sample ID: WG189404-03
Instrument ID: HPLC4 Run Time: 06:13 Method: 8330
File ID: 4L008164.F Analyst: RDC
Workgroup (AAB#): WG189638 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	51.4	2.31	2.8	ug/L	
1,3-Dinitrobenzene	50	51.9	1.65	3.8	ug/L	
2,4,6-Trinitrotoluene	50	54.0	2.29	7.9	ug/L	
2,4-Dinitrotoluene	50	50.8	2.05	1.7	ug/L	
2,6-Dinitrotoluene	50	50.8	3.33	1.7	ug/L	
2-Amino-4,6-Dinitrotoluene	50	50.6	2.84	1.2	ug/L	
2-Nitrotoluene	50	49.9	5.08	.1	ug/L	
3-Nitrotoluene	50	51.9	4.31	3.9	ug/L	
4-Nitrotoluene	50	51.0	6.17	1.9	ug/L	
4-Amino-2,6-Dinitrotoluene	50	49.9	4.16	.3	ug/L	
HMX	50	50.5	6.31	1	ug/L	
Nitrobenzene	50	54.9	2.43	9.8	ug/L	
RDX	50	52.8	5.33	5.5	ug/L	
Tetryl	50	46.1	3.72	7.8	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094348

Login Number: L0505341 Run Date: 05/23/2005 Sample ID: WG189639-01
Instrument ID: HPLC4 Run Time: 17:24 Method: 8330
File ID: 4L008192.F Analvst: RDC
Workgroup (AAB#): WG189638 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	50.7	2.35	1.3	ug/L	
1,3-Dinitrobenzene	50	50.2	1.70	.4	ug/L	
2,4,6-Trinitrotoluene	50	50.0	2.48	0	ug/L	
2,4-Dinitrotoluene	50	50.2	2.07	.5	ug/L	
2,6-Dinitrotoluene	50	47.5	3.58	5	ug/L	
2-Amino-4,6-Dinitrotoluene	50	47.3	3.05	5.5	ug/L	
2-Nitrotoluene	50	48.3	5.26	3.3	ug/L	
3-Nitrotoluene	50	51.7	4.33	3.3	ug/L	
4-Nitrotoluene	50	47.0	6.76	6	ug/L	
4-Amino-2,6-Dinitrotoluene	50	53.7	3.86	7.4	ug/L	
HMX	50	48.5	6.59	3	ug/L	
Nitrobenzene	50	51.5	2.60	2.9	ug/L	
RDX	50	52.7	5.34	5.3	ug/L	
Tetryl	50	43.3	3.97	13.3	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094349

Login Number: L0505341 Run Date: 05/24/2005 Sample ID: WG189639-02
Instrument ID: HPLC4 Run Time: 00:24 Method: 8330
File ID: 4L008203.F Analyst: RDC
Workgroup (AAB#): WG189638 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	49.5	2.41	1	ug/L	
1,3-Dinitrobenzene	50	51.5	1.66	3.1	ug/L	
2,4,6-Trinitrotoluene	50	51.6	2.40	3.1	ug/L	
2,4-Dinitrotoluene	50	52.2	1.99	4.4	ug/L	
2,6-Dinitrotoluene	50	48.6	3.49	2.7	ug/L	
2-Amino-4,6-Dinitrotoluene	50	54.3	2.65	8.6	ug/L	
2-Nitrotoluene	50	47.7	5.34	4.7	ug/L	
3-Nitrotoluene	50	48.8	4.60	2.3	ug/L	
4-Nitrotoluene	50	43.4	7.38	13.1	ug/L	
4-Amino-2,6-Dinitrotoluene	50	56.7	3.65	13.3	ug/L	
HMX	50	49.5	6.45	.9	ug/L	
Nitrobenzene	50	57.0	2.34	14	ug/L	
RDX	50	50.3	5.62	.6	ug/L	
Tetryl	50	47.4	3.62	5.3	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094350

Login Number: L0505341 Run Date: 05/24/2005 Sample ID: WG189639-03
Instrument ID: HPLC4 Run Time: 07:14 Method: 8330
File ID: 4L008214.F Analyst: RDC
Workgroup (AAB#): WG189638 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	50.4	2.36	.7	ug/L	
1,3-Dinitrobenzene	50	50.3	1.70	.6	ug/L	
2,4,6-Trinitrotoluene	50	49.9	2.48	.1	ug/L	
2,4-Dinitrotoluene	50	50.3	2.07	.6	ug/L	
2,6-Dinitrotoluene	50	50.9	3.33	1.7	ug/L	
2-Amino-4,6-Dinitrotoluene	50	51.5	2.79	3	ug/L	
2-Nitrotoluene	50	48.5	5.24	3	ug/L	
3-Nitrotoluene	50	49.8	4.51	.4	ug/L	
4-Nitrotoluene	50	45.0	7.10	10.1	ug/L	
4-Amino-2,6-Dinitrotoluene	50	52.8	3.93	5.6	ug/L	
HMX	50	50.5	6.32	1	ug/L	
Nitrobenzene	50	52.2	2.56	4.3	ug/L	
RDX	50	51.2	5.50	2.5	ug/L	
Tetryl	50	45.4	3.78	9.3	ug/L	

* Exceeds %D Limit



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: LHAAP-019

Page 1 of 1

Project Number: 845714

Samples Shipment Date: 16 MAY 2005

Bill To: Diane Meyer

Project Name: Longhorn Army Ammunition Plant Lab Destination: Kemron Lab

3010 Briarpark Drive

Houston

TX 77042

Sample Coordinator: Phil Conley

Lab Contact: Stephanie Mossburg

Report To: Diane Meyer

Turnaround Time:

Project Contact: Diane Meyer

3010 Briarpark Drive

Houston

TX 77042

Carrier/Waybill No.: UPS/J178 825 546 0

Special Instructions:

Possible Hazard Identification:

Radiological ☐Non-hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown ☐

Sample Disposal:

Return to Client ☐Disposal by Lab ☐

Archive

(mos.)

1. Relinquished By
(Signature/Affiliation)Date: 5/16/05
Time: 17001. Received By
(Signature/Affiliation)Brenda Guegou
KemronDate: 5/17/05
Time: 09402. Relinquished By
(Signature/Affiliation)Date:
Time:2. Received By
(Signature/Affiliation)Date:
Time:3. Relinquished By
(Signature/Affiliation)Date:
Time:3. Received By
(Signature/Affiliation)Date:
Time:

Comments:

clerk sealed
stop contact
Cooler Temp 2
kg

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	File	CID	Condition On Receipt
29WW02-MAY05	29WW02-GW-29WW02-MAY05-REG	14 MAY 2005	14:00	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL166	
29WW06-MAY05	29WW06-GW-29WW06-MAY05-REG	15 MAY 2005	11:50	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL166	
29WW07-MAY05	29WW07-GW-29WW07-MAY05-REG	14 MAY 2005	12:00	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL166	
29WW116-MAY05	116-GW-29WW116-MAY05-REG	14 MAY 2005	13:51	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL166	
29WW18-MAY05	29WW18-GW-29WW18-MAY05-REG	14 MAY 2005	14:00	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL166	

Login: L0505341

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 5

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505341-01 133459 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:58	BRG	
2	PREP	W1	EXT	18-MAY-2005 11:21	CEB	BRG
3	DISP	EXT	DISP	19-MAY-2005 09:24	BRG	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:58	BRG	
2	STORE	W1	A1	18-MAY-2005 15:56	CEB	CEB

Samplenum **Container ID** **Products**

L0505341-02 133460 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:58	BRG	
2	PREP	W1	EXT	18-MAY-2005 11:21	CEB	BRG
3	DISP	EXT	DISP	19-MAY-2005 09:24	BRG	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:58	BRG	
2	STORE	W1	A1	18-MAY-2005 15:56	CEB	CEB

Samplenum **Container ID** **Products**

L0505341-03 133461 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:58	BRG	
2	PREP	W1	EXT	18-MAY-2005 11:21	CEB	BRG
3	DISP	EXT	DISP	19-MAY-2005 09:23	BRG	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:58	BRG	
2	STORE	W1	A1	18-MAY-2005 15:55	CEB	CEB

KEMRON Environmental Services
Internal Chain of Custody Report

00094353

Login: L0505341

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 5

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505341-04 133462 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:58	BRG	
2	PREP	W1	EXT	18-MAY-2005 11:21	CEB	BRG
3	DISP	EXT	DISP	19-MAY-2005 09:23	BRG	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:58	BRG	
2	STORE	W1	A1	18-MAY-2005 15:56	CEB	CEB

Samplenum **Container ID** **Products**

L0505341-05 133463 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:58	BRG	
2	PREP	W1	EXT	18-MAY-2005 11:21	CEB	BRG
3	DISP	EXT	DISP	19-MAY-2005 09:23	BRG	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 12:58	BRG	
2	STORE	W1	A1	18-MAY-2005 15:55	CEB	CEB

SAMPLE RECEIPT FORM

00094354

Date: 5-17-05 Client: Shaw-LH156 STARLITE DRIVE
MARIETTA, OH
45750
(740) 373-4071Shipped By: () Fed-Ex (☒) UPS () DHL () KEMRON () Client () OtherOpened By: BigLogged By: Big Login # L05 05341IR Temp Gun: ☒ D () F

COOLER INFORMATION

Number	Cooler ID	Temp °C	Airbill#	COC#	Other
1	KL1484	3	J1788255433	026	
2	KL1519	4	J1788255424	023	
3	KL1316	1	J1788255442	021	
4	KL1465	2	J1788255460	019	
5	KL1045	2	J1800104053	025	
6	KL1706	5	J1788255406	024	

Were all coolers sealed? Y N N/A
 Were custody seals used on all coolers? Y N N/A
 Were custody seals intact? Y N N/A
 Was visible ice present? Y N N/A
 Were all coolers in the temperature range of 2-6C? (>6C*) Y N N/A
 Were the samples frozen? Y N N/A
 Were COC papers provided? Y N N/A
 Were all sample containers intact? Y N N/A
 Were all sample labels intact? Y N N/A
 Were all sample labels legible? Y N N/A
 Did all sample labels match the COC? Y N N/A
 Was the label information complete? Y N N/A
 Were the correct containers used? Y N N/A
 Were the correct preservatives added to water samples? Y N N/A
 Was the pH tested on preserved water samples? Y N N/A
 Were pH ranges acceptable? Y N N/A
 Was sufficient amount of sample provided? Y N N/A
 Were bubbles present in VOA samples? Y N N/A
 Were COC's signed and dated? Y N N/A
 Did samples arrive before hold time expired? Y N N/A
 Are discrepancy forms attached? Y N N/A
 *Requires a discrepancy form

Comments: _____

CRF #1
Revised 8/22/03



156 Starlite Drive, Marietta, OH 45750 • TEL 740-373-4071 • FAX 740-373-4835 • <http://www.kemron.com>

Laboratory Report Number: L0505342

Please find enclosed the analytical results for the samples you submitted to KEMRON Environmental Services.

Review and compilation of your report was completed by KEMRON's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact our team member noted in the Reviewed box below at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

Debra Elliott - Team Leader
delliott@kemron-lab.com

Amanda Fickiesen - Client Services Specialist
afickiesen@kemron-lab.com

Cheryl Koelsch - Team Chemist/Data Specialist
ckoelsch@kemron-lab.com

Annie Bock - Client Services Specialist
abock@kemron-lab.com

Stephanie Mossburg - Team Chemist/Data Specialist
smossburg@kemron-lab.com

Vicki Lauer - Client Services Specialist
vlauer@kemron-lab.com

Kathy Albertson - Team Chemist/Data Specialist
kalbertson@kemron-lab.com

Micalyn Harris - Team Chemist/Data Specialist
mharris@kemron-lab.com

This report was reviewed on May 24, 2005:

A handwritten signature in cursive script that reads "Stephanie Mossburg".

I certify that all test results meet all of the requirements of the NELAP standards and other applicable contract terms and conditions. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on an 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of KEMRON Environmental Services.

This report was certified on May 24, 2005:

A handwritten signature in cursive script that reads "David E. Vandenberg".

FL DOH NELAP ID: E87551

This report contains a total of 35 pages.

Protecting Our Environmental Future

LABORATORY REPORT

L0505342

00094356

05/24/05 15:22

Submitted By

KEMRON Environmental Services

156 Starlite Drive

Marietta , OH 45750

(740) 373 - 4071

For

Account Name: Shaw E & I, Inc.

ABB Lummus Building

3010 Briarpark

Houston, TX 77042

Attention: Diane Meyer

Account Number: 307-ALLIANCE-798

Work ID: LONGHORN AAP

P.O. Number: 98696

Sample Summary

Client ID	Lab ID	Date Collected	Date Received
29WW09-MAY05	L0505342-01	15-MAY-05	17-MAY-05
29WW23-MAY05	L0505342-02	15-MAY-05	17-MAY-05
29WW24-MAY05	L0505342-03	15-MAY-05	17-MAY-05
29WW24-MAY05-MS	L0505342-04	15-MAY-05	17-MAY-05
29WW24-MAY05-MSD	L0505342-05	15-MAY-05	17-MAY-05

KEMRON ENVIRONMENTAL SERVICES
REPORT NARRATIVE

KEMRON Login No.: L0505342

CHAIN OF CUSTODY: The chain of custody number was LHAAP-022

SHIPMENT CONDITIONS: The chain of custody forms were received sealed in a cooler. The cooler temperature was 4 degrees C.

SAMPLE MANAGEMENT: All samples received were intact.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Approved: 17-MAY-05

<i>Stephanie Moseburg</i>

KEMRON ENVIRONMENTAL SERVICES
HPLC-EXPLOSIVE RESIDUES

KEMRON Login No.: L0505342

METHOD

Analysis: SW-846 8330

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds linear equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Matrix Spikes: The MS/MSD yielded percent recoveries for 2-nitrotoluene and 3-nitrotoluene that were above the advisory limit.

SAMPLES

Surrogates: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Manual Integration Reason Codes

KEMRON laboratory management has identified four general cases with valid reasons supporting the use of manual integration techniques.

Reason #1: Data System Fails to Select Correct Peak

In some cases the chromatography system selects and integrates the "wrong peak". In this case the analyst must correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

'Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak.'

This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

Reason #3: Improperly Integrated Isomers and/or coeluting compounds.

This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline

There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous

Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: RDC

Approved: 24-MAY-05



Report Number: L0505342

Report Date : May 24, 2005

00094360

Sample Number: L0505342-01
 Client ID: 29WW09-MAY05
 Matrix: Water
 Workgroup Number: WG189638
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/18/2005 11:30
 Cal Date: 05/10/2005 17:19
 Run Date: 05/23/2005 22:32
 File ID: 4L008200.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.00	0.250
1,3-Dinitrobenzene	99-65-0		U	1.00	0.250
2,4,6-Trinitrotoluene	118-96-7		U	1.00	0.250
2,4-Dinitrotoluene	121-14-2		U	1.00	0.250
2,6-Dinitrotoluene	606-20-2		U	1.00	0.250
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.00	0.250
2-Nitrotoluene	88-72-2		U	1.00	0.250
3-Nitrotoluene	99-08-1		U	1.00	0.250
4-Nitrotoluene	99-99-0		U	1.00	0.250
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.00	0.250
HMX	2691-41-0		U	1.00	0.250
Nitrobenzene	98-95-3		U	1.00	0.250
RDX	121-82-4		U	1.00	0.250
Tetryl	479-45-8		U	1.00	0.250
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	90.5	50	150		

U Not detected at or above adjusted sample detection limit

Sample Number: L0505342-02
 Client ID: 29WW23-MAY05
 Matrix: Water
 Workgroup Number: WG189638
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/18/2005 11:30
 Cal Date: 05/10/2005 17:19
 Run Date: 05/23/2005 23:09
 File ID: 4L008201.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.00	0.250
1,3-Dinitrobenzene	99-65-0		U	1.00	0.250
2,4,6-Trinitrotoluene	118-96-7		U	1.00	0.250
2,4-Dinitrotoluene	121-14-2		U	1.00	0.250
2,6-Dinitrotoluene	606-20-2		U	1.00	0.250
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.00	0.250
2-Nitrotoluene	88-72-2		U	1.00	0.250
3-Nitrotoluene	99-08-1		U	1.00	0.250
4-Nitrotoluene	99-99-0		U	1.00	0.250
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.00	0.250
HMX	2691-41-0		U	1.00	0.250
Nitrobenzene	98-95-3		U	1.00	0.250
RDX	121-82-4		U	1.00	0.250
Tetryl	479-45-8		U	1.00	0.250
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	82.6	50	150		

U Not detected at or above adjusted sample detection limit

Report Number: L0505342

Report Date : May 24, 2005

00094361

Sample Number: L0505342-03
 Client ID: 29WW24-MAY05
 Matrix: Water
 Workgroup Number: WG189638
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/18/2005 11:30
 Cal Date: 05/10/2005 17:19
 Run Date: 05/23/2005 23:46
 File ID: 4L008202.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.02	0.255
1,3-Dinitrobenzene	99-65-0		U	1.02	0.255
2,4,6-Trinitrotoluene	118-96-7		U	1.02	0.255
2,4-Dinitrotoluene	121-14-2		U	1.02	0.255
2,6-Dinitrotoluene	606-20-2		U	1.02	0.255
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.02	0.255
2-Nitrotoluene	88-72-2		U	1.02	0.255
3-Nitrotoluene	99-08-1		U	1.02	0.255
4-Nitrotoluene	99-99-0		U	1.02	0.255
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.02	0.255
HMX	2691-41-0		U	1.02	0.255
Nitrobenzene	98-95-3		U	1.02	0.255
RDX	121-82-4		U	1.02	0.255
Tetryl	479-45-8		U	1.02	0.255
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	66.5	50	150		

U Not detected at or above adjusted sample detection limit

Sample Number: L0505342-04
 Client ID: 29WW24-MAY05-MS
 Matrix: Water
 Workgroup Number: WG189638
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/18/2005 11:30
 Cal Date: 05/10/2005 17:19
 Run Date: 05/20/2005 00:00
 File ID: 4L008154.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4	1.02	J	1.02	0.255
1,3-Dinitrobenzene	99-65-0	1.01	J	1.02	0.255
2,4,6-Trinitrotoluene	118-96-7	0.897	J	1.02	0.255
2,4-Dinitrotoluene	121-14-2	1.02		1.02	0.255
2,6-Dinitrotoluene	606-20-2	1.01	J	1.02	0.255
2-Amino-4,6-dinitrotoluene	35572-78-2	0.999	J	1.02	0.255
2-Nitrotoluene	88-72-2	2.63		1.02	0.255
3-Nitrotoluene	99-08-1	1.17		1.02	0.255
4-Nitrotoluene	99-99-0	0.966	J	1.02	0.255
4-Amino-2,6-dinitrotoluene	19406-51-0	0.982	J	1.02	0.255
HMX	2691-41-0	0.923	J	1.02	0.255
Nitrobenzene	98-95-3	1.01	J	1.02	0.255
RDX	121-82-4	0.943	J	1.02	0.255
Tetryl	479-45-8	0.473	J	1.02	0.255
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	91.8	50	150		

J The analyte was positively identified, but the quantitation was below the RL

Report Number: **L0505342**Report Date : **May 24, 2005****00094362**

Sample Number: **L0505342-05**
 Client ID: **29WW24-MAY05-MSD**
 Matrix: **Water**
 Workgroup Number: **WG189638**
 Collect Date: **15-MAY-05**
 Sample Tag: **01**

Prep Method: **3535**
 Analytical Method: **8330**
 Analyst: **RDC**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPLC4**
 Prep Date: **05/18/2005 11:30**
 Cal Date: **05/10/2005 17:19**
 Run Date: **05/20/2005 00:37**
 File ID: **4L008155.F**

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4	0.993	J	1.02	0.255
1,3-Dinitrobenzene	99-65-0	0.995	J	1.02	0.255
2,4,6-Trinitrotoluene	118-96-7	0.887	J	1.02	0.255
2,4-Dinitrotoluene	121-14-2	1.02	J	1.02	0.255
2,6-Dinitrotoluene	606-20-2	0.995	J	1.02	0.255
2-Amino-4,6-dinitrotoluene	35572-78-2	0.966	J	1.02	0.255
2-Nitrotoluene	88-72-2	2.61		1.02	0.255
3-Nitrotoluene	99-08-1	1.17		1.02	0.255
4-Nitrotoluene	99-99-0	0.960	J	1.02	0.255
4-Amino-2,6-dinitrotoluene	19406-51-0	0.960	J	1.02	0.255
HMX	2691-41-0	0.912	J	1.02	0.255
Nitrobenzene	98-95-3	1.02	J	1.02	0.255
RDX	121-82-4	0.920	J	1.02	0.255
Tetryl	479-45-8	0.681	J	1.02	0.255
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	89.7	50	150		

J The analyte was positively identified, but the quantitation was below the RL

WORKGROUP SUMMARY BY METHOD

Analysis:Explosives

Extraction Method:3535

Workgroup:WG189252

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505342-01	29WW09-MAY05		05/18/05 11:30			SPE	CEB
L0505342-02	29WW23-MAY05		05/18/05 11:30			SPE	CEB
L0505342-03	29WW24-MAY05		05/18/05 11:30			SPE	CEB
L0505342-04	29WW24-MAY05-MS		05/18/05 11:30			SPE	CEB
L0505342-05	29WW24-MAY05-MSD		05/18/05 11:30			SPE	CEB

Analysis:Explosives

Analytical Method:8330

Workgroup:WG189638

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505342-01	29WW09-MAY05		05/18/05 11:30	05/23/05 22:32	01	HPLC4	RDC
L0505342-02	29WW23-MAY05		05/18/05 11:30	05/23/05 23:09	01	HPLC4	RDC
L0505342-03	29WW24-MAY05		05/18/05 11:30	05/23/05 23:46	01	HPLC4	RDC
L0505342-04	29WW24-MAY05-MS		05/18/05 11:30	05/20/05 00:00	01	HPLC4	RDC
L0505342-05	29WW24-MAY05-MSD		05/18/05 11:30	05/20/05 00:37	01	HPLC4	RDC

Kemron Environmental Services
Analyst Listing May 24, 2005

AJF - AMANDA J. FICKIESEN	ALB - ANNIE L. BOCK	ALT - ANN L. THAYER
BRG - BRENDA R. GREGORY	CAF - CHERYL A. FLOWERS	CAK - CHERYL A. KOELSCH
CEB - CHAD E. BARNES	CLC - CHRYS L. CRAWFORD	CLK - CARL L. KING
CLS - CARA L. STRICKLER	CLW - CHARISSA L. WINTERS	CM - CHARLIE MARTIN
CMS - CRYSTAL M. STEPHENS	CPD - CHAD P. DAVIS	CRC - CARLA R. COCHRAN
CSH - CHRIS S. HILL	DAS - DALLAS A. SULLIVAN	DD - DIANE M. DENNIS
DDE - DEBRA D. ELLIOTT	DEL - DON E. LIGHTFRITZ	DEV - DAVID E. VANDENBERG
DGB - DOUGLAS G. BUTCHER	DIH - DEANNA I. HESSON	DLB - DAVID L. BUMGARNER
DLP - DOROTHY L. PAYNE	DLR - DIANNA L. RAUCH	DP - DEANNA L. PIERSON
DR - DEANNA ROBERTS	DRB - DOUG R. BARNETT	DSM - DAVID S. MOSSOR
DST - DENNIS S. TEPE	ECL - ERIC C. LAWSON	ED - EMILY E. DECKER
HAV - HEMA VILASAGAR	JAL - JOHN A. LENT	JJG - JOHN J. GREUEY
JKT - JANE K. THOMPSON	JLS - JANICE L. SCHIMMEL	JWR - JOHN W. RICHARDS
JWS - JACK W. SHEAVES	JYH - JI Y. HU	KEB - KATHRYN E. BARNES
KHR - KIM H. RHODES	KRA - KATHY R. ALBERTSON	LKN - LINDA K. NEDEFF
LSA - LUCINDA S. ARNOLD	LSB - LESLIE S. BUCINA	MAH - MICALYN A. HARRIS
MDA - MICHAEL D. ALBERTSON	MDC - MICHAEL D. COCHRAN	MES - MARY E. SCHILLING
MKZ - MARILYN K. ZUMBRO	MLR - MARY L. ROCHOTTE	MLS - MICHAEL L. SCHIMMEL
MMB - MAREN M. BEERY	MSW - MATT S. WILSON	NJB - NATALIE J. BOOTH
OGT - OKEY G. TUCKER	PAS - PATRICK A. STREET	RB - ROBERT BUCHANAN
RDC - REBECCA D. CUTLIP	REK - ROBERT E. KYER	RWC - RODNEY W. CAMPBELL
SCM - SUSAN C. MOELLENDICK	SK - SANDRA KEENER	SLM - STEPHANIE L. MOSSBURG
SLP - SHERI L. PFALZGRAF	SMH - SHAUNA M. HYDE	TD - TIMOTHY DYSERT
TMM - TAMMY M. MORRIS	VC - VICKI COLLIER	VKL - VICKY K. LAUER

KEMRON Environmental Services, Inc.

List of Valid Qualifiers

May 24, 2005

These are KEMRON's standard report qualifiers:

B	Present in the method blank	NS	Not spiked
C	Confirmed by GC/MS	P	Concentration >40% difference between the two GC columns
CG	Confluent growth	QNS	Quantity not sufficient to perform analysis
D	The analyte was quantified as a secondary dilution factor	RA	Reanalysis confirms reported results
DL	Surrogate or spike was diluted out	RE	Reanalysis confirms sample matrix interference
E	Estimated concentration due to sample matrix interference	S	Analyzed by method of standard addition
FL	Free liquid	SMI	Sample matrix interference on surrogate
I	Semi-quantitative result, out of instrument calibration range	SP	Reported results are for spike compounds only
J	Present below normal reporting limit	TNTC	Too numerous to count
L	Sample reporting limits elevated due to matrix interference	U	Analyzed for but not detected
N	Tentatively Identified Compound (TIC)	W	Post-digestion spike for furnace AA out of control limits
NA	Not applicable	X	Exceeds regulatory limit
ND	Not detected at or above the reporting limit (RL)	Z	Can not be resolved from isomer.***
NF	Not found	+	Correlation coefficient for the MSA is less than 0.995
NFL	No free liquid	<	Less than
NI	Non-ignitable	>	Greater than
		*	Surrogate or spike compound out of range

*****Special Notes for Organic Analytes**

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound and are matrix dependent.

AFCEE Qualifiers

These are KEMRON's AFCEE Report Qualifiers

- J** The analyte was positively identified, the quantitation is an estimation.
- U** The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL
- F** The analyte was positively identified by the associated numerical value is below the RL
- R** The data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria
- B** The analyte was found in an associated blank, as well as in the sample
- M** The matrix effect was present
- S** To be applied to all field screening data
- T** Tentatively identified compound (using GC/MS)

Organic QA/QC

Figure 1
Semi-Volatile GC Checklist

Run Date: 5-10-05
 Analyst: ECL
 Instrument: HPLC4
 Method: 8330

Login no. Due Date Priority

05-084 need rerun

		Analyst	Peer
System Performance Check:	Endrin/DDT Breakdown		
Initial Calibration:	ICAL summary	✓	✓
	Linear or quadratic regression	✓	✓
	Alt Source Check	✓	✓
Continuing Calibration:	Continuing Calibration	✓	✓
	Ending standards	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD	✓	✓
Samples:	Quant Reports/Chromatograms	✓	✓
	Mass spectra		
	Surrogates	✓	✓
	Dilution runs		
	Confirmations	NA	
	Correct Factors	✓	✓
	Manual integrations	✓	✓
Data Package:	Run logs	✓	✓
	Bench sheets		
	Upload results		
	QC forms		
	Seedpak workgroups		
Client Data	Data scanned		
	Integrations digitally signed	✓	
	Level 2 pdf files		
	Level 3/Level x		
	Level 4 copies		
	Case narratives		
		Supervisor	
	Integrations digitally cosigned	✓	
	Corrective Action		
	Results Reporting/Data Qualifiers		
	Client Data/digital signatures		
	Check for Completeness	✓	
	Check for compliance with method and project requirements	✓	
	Check the reasonableness of results	✓	

✓ = Checked & OK

NA = Not Applicable

Primary Reviewer:

ECL 5-11-05

Secondary Reviewer:

Robert Hester

Comments:

Semi-Volatile HPLC Checklist

Run Date: 19-MAY-2005Analyst: RDCInstrument: HPLC4Method: 8330

Login no.	Due Date	Priority
05-342	24-May-05	F3
05-343	24-May-05	F3
05-345	24-May-05	F3

		Analyst	Peer
Initial Calibration:	ICAL summary		
	Linear or quadratic regression		
	Alt Source Check		
Continuing Calibration:	Continuing Calibration	✓	✓
	Ending Standards	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD	✓	✓
Samples:	Quant Reports/Chromatograms	✓	✓
	TCL Hits	✓	✓
	Surrogates	✓	✓
	Dilution runs		
	Confirmations		
	Correct Factors		
	Manual integrations	✓	✓
Data Package:	Run logs	✓	✓
	Bench sheets	✓	✓
	Upload results	✓	✓
	QC forms	✓	✓
	Seedpak workgroups	✓	✓
Client Data	Data scanned		
	Level 2 pdf files		
	Level 3/Level x		
	Level 4 copies		
	Case narratives		
	Integrations digitally signed	✓	
	Supervisor		
Corrective Action:		✓	
Results Reporting/Data Qualifiers:		✓	
Client Data/digital signatures			
Check for Completeness:		✓	
Check for compliance with method and project requirements:		✓	
Check the reasonableness of results:		✓	

✓ = Checked & OK

NA = Not Applicable

Primary Reviewer:

RDC 5/23/05

Secondary Reviewer:

mls/2/05

Comments: _____
 BLANK AND LCS WILL BE RR ALONG WITH
 8 OTHER SAMPLES DUE TO CCV FAILURE.

Semi-Volatile HPLC Checklist

Run Date: 23-MAY-2005Analyst: RDCInstrument: HPLC4Method: 8330

Login no.	Due Date	Priority
05-338	24-May-05	F3
05-341	24-May-05	F3
05-342	24-May-05	F3
05-398	24-May-05	F3
05-400	24-May-05	F3

		Analyst	Peer
Initial Calibration:	ICAL summary		
	Linear or quadratic regression		
	Alt Source Check		
Continuing Calibration:	Continuing Calibration	✓	✓
	Ending Standards	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD		
Samples:	Quant Reports/Chromatograms	✓	✓
	TCL Hits	✓	✓
	Surrogates	✓	✓
	Dilution runs		
	Confirmations		
	Correct Factors		
	Manual integrations	✓	✓
Data Package:	Run logs	✓	✓
	Bench sheets	✓	✓
	Upload results	✓	✓
	QC forms	✓	✓
	Seedpak workgroups	✓	✓
Client Data	Data scanned		
	Level 2 pdf files		
	Level 3/Level x		
	Level 4 copies		
	Case narratives		
	Integrations digitally signed	✓	
	Supervisor		
Corrective Action:			
Results Reporting/Data Qualifiers:		✓	
Client Data/digital signatures		✓	
Check for Completeness:		✓	
Check for compliance with method and project requirements:		✓	
Check the reasonableness of results:		✓	

✓ = Checked & OK

NA = Not Applicable

Primary Reviewer: RDC 5/24/05Secondary Reviewer: 5/24/05

Comments: _____

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00094371

Analytical Method: 8330
Login Number: L0505342

AAB#: WG189638

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
29WW09-MAY05	05/15/05	05/17/05	05/18/05	7	2.89	05/23/05	40	5.46	
29WW23-MAY05	05/15/05	05/17/05	05/18/05	7	2.91	05/23/05	40	5.49	
29WW24-MAY05	05/15/05	05/17/05	05/18/05	7	2.88	05/23/05	40	5.51	
29WW24-MAY05-MS	05/15/05	05/17/05	05/18/05	7	2.88	05/20/05	40	1.52	
29WW24-MAY05-MSD	05/15/05	05/17/05	05/18/05	7	2.88	05/20/05	40	1.55	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

SURROGATE STANDARDS

Login Number:L0505342

Instrument Id:HPLC4

Workgroup (AAB#):WG189638

Method:8330

CAL ID: HPLC4 - 10-MAY-05

Matrix:WATER

Sample Number	Dilution	Tag	1
L0505342-01	1.00	01	90.5
L0505342-02	1.00	01	82.6
L0505342-03	1.00	01	66.5
L0505342-04	1.00	01	91.8
L0505342-05	1.00	01	89.7
WG189252-02	1.00	01	95.9
WG189252-03	1.00	01	107

Surrogates

1 - 3,4-Dinitrotoluene

Surrogate Limits

50 - 150

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

Login Number: L0505342
Blank File ID: 4L008193.F
Date Analyzed: 05/23/05
Time Analyzed: 18:11
Analyst: RDC

Work Group: WG189638
Blank Sample ID: WG189252-02
Instrument ID: HPLC4
Method: 8330

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
29WW24-MAY05-MS	L0505342-04	4L008154.F	05/20/05 00:00	01
29WW24-MAY05-MSD	L0505342-05	4L008155.F	05/20/05 00:37	01
LCS	WG189252-03	4L008194.F	05/23/05 18:49	01
29WW09-MAY05	L0505342-01	4L008200.F	05/23/05 22:32	01
29WW23-MAY05	L0505342-02	4L008201.F	05/23/05 23:09	01
29WW24-MAY05	L0505342-03	4L008202.F	05/23/05 23:46	01

Login Number: L0505342 Run Date: 05/23/2005 Sample ID: WG189252-02
 Instrument ID: HPLC4 Run Time: 18:11 Prep Method: 3535
 File ID: 4L008193.F Analyst: RDC Method: 8330
 Workgroup (AAB#): WG189638 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPLC4-10-MAY-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
1,3,5-Trinitrobenzene	0.250	1.00	0.250	1	U
1,3-Dinitrobenzene	0.250	1.00	0.250	1	U
2,4,6-Trinitrotoluene	0.250	1.00	0.250	1	U
2,4-Dinitrotoluene	0.250	1.00	0.250	1	U
2,6-Dinitrotoluene	0.250	1.00	0.250	1	U
2-Amino-4,6-dinitrotoluene	0.250	1.00	0.250	1	U
2-Nitrotoluene	0.250	1.00	0.250	1	U
3-Nitrotoluene	0.250	1.00	0.250	1	U
4-Nitrotoluene	0.250	1.00	0.250	1	U
4-Amino-2,6-dinitrotoluene	0.250	1.00	0.250	1	U
HMX	0.250	1.00	0.250	1	U
Nitrobenzene	0.250	1.00	0.250	1	U
RDX	0.250	1.00	0.250	1	U
Tetryl	0.250	1.00	0.250	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
3,4-Dinitrotoluene	95.9	50 - 150	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

ND Analyte Not detected at or above reporting limit

Login Number: L0505342 Run Date: 05/23/2005 Sample ID: WG189252-03
 Instrument ID: HPLC4 Run Time: 18:49 Prep Method: 3535
 File ID: 4L008194.F Analyst: RDC Method: 8330
 Workgroup (AAB#): WG189638 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPLC4-10-MAY-2005

Analytes	Expected	Found	% Rec	LCS Limits	Q
1,3,5-Trinitrobenzene	1.00	0.891	89.1	58 - 120	
1,3-Dinitrobenzene	1.00	0.986	98.6	68 - 135	
2,4,6-Trinitrotoluene	1.00	0.915	91.5	27 - 137	
2,4-Dinitrotoluene	1.00	1.02	102	69 - 109	
2,6-Dinitrotoluene	1.00	1.02	102	55 - 121	
2-Amino-4,6-dinitrotoluene	1.00	1.01	101	72 - 112	
2-Nitrotoluene	1.00	0.978	97.8	67 - 121	
3-Nitrotoluene	1.00	1.00	100	66 - 110	
4-Nitrotoluene	1.00	0.960	96.0	68 - 110	
4-Amino-2,6-dinitrotoluene	1.00	1.00	100	74 - 116	
HMX	1.00	0.770	77.0	54 - 99	
Nitrobenzene	1.00	1.05	105	70 - 131	
RDX	1.00	0.794	79.4	60 - 116	
Tetryl	1.00	0.819	81.9	10 - 147	

Surrogates	% Recovery	Surrogate Limits	Qualifier
3,4-Dinitrotoluene	107	50 - 150	PASS

* FAILS %REC LIMIT

Loginum:L0505342	Cal ID: HPLC4 - 10-MAY-05	Worknum: WG189638
Instrument ID:HPLC4	Contract #:DACA56-94-D-0020	Prep Method:3535
Parent ID:L0505342-03	File ID:4L008202.F Dil:1	Method:8330
Sample ID:L0505342-04 MS	File ID:4L008154.F Dil:1	Matrix:Water
Sample ID:L0505342-05 MSD	File ID:4L008155.F Dil:1	Units:ug/L

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
1,3,5-Trinitrobenzene	ND	1.02	1.02	99.5	1.02	0.993	97.3	2.25	58 - 120	40	
1,3-Dinitrobenzene	ND	1.02	1.01	98.9	1.02	0.995	97.5	1.41	68 - 135	40	
2,4,6-Trinitrotoluene	ND	1.02	0.897	87.9	1.02	0.887	86.9	1.09	27 - 137	40	
2,4-Dinitrotoluene	ND	1.02	1.02	100	1.02	1.02	99.5	0.875	69 - 109	40	
2,6-Dinitrotoluene	ND	1.02	1.01	99.0	1.02	0.995	97.5	1.51	55 - 121	40	
2-Amino-4,6-dinitrotoluene	ND	1.02	0.999	97.9	1.02	0.966	94.6	3.42	72 - 112	40	
2-Nitrotoluene	ND	1.02	2.63	258	1.02	2.61	256	0.728	67 - 121	40	*
3-Nitrotoluene	ND	1.02	1.17	114	1.02	1.17	115	0.616	66 - 110	40	*
4-Nitrotoluene	ND	1.02	0.966	94.6	1.02	0.960	94.1	0.606	68 - 110	40	
4-Amino-2,6-dinitrotoluene	ND	1.02	0.982	96.2	1.02	0.960	94.1	2.26	74 - 1196	40	
HMX	ND	1.02	0.923	90.4	1.02	0.912	89.3	1.21	54 - 99	40	
Nitrobenzene	ND	1.02	1.01	98.9	1.02	1.02	99.7	0.864	70 - 131	40	
RDX	ND	1.02	0.943	92.4	1.02	0.920	90.1	2.47	60 - 116	40	
Tetryl	ND	1.02	0.473	46.3	1.02	0.681	66.7	36.1	10 - 147	40	

* FAILS %REC LIMIT

FAILS RPD LIMIT

Login Number: L0505342
Analytical Method: 8330
ICAL Workgroup: WG188649

Instrument ID: HPLC4
Initial Calibration Date: 10-MAY-05

Analyte		AVG RF	% RSD	R2	QUAD
1,3,5-Trinitrobenzene		2.337	3.55		
1,3-Dinitrobenzene		1.680	2.16		
2,4,6-Trinitrotoluene		2.420	2.92		
2,4-Dinitrotoluene		2.053	1.99		
2,6-Dinitrotoluene		3.328	2.02		
2-Amino-4,6-Dinitrotoluene		2.838	1.80		
2-Nitrotoluene		5.137	10.8		
3-Nitrotoluene		4.488	9.41		
4-Amino-2,6-Dinitrotoluene		4.191	5.77		
4-Nitrotoluene		6.412	14.3		
HMX		6.434	6.84		
Nitrobenzene		2.624	2.59		
RDX		5.492	5.79		
Tetryl		3.326	4.67		
3,4-Dinitrotoluene		4.439	1.93		

Login Number: L0505342
 Analytical Method: 8330

Instrument ID: HPLC4
 Initial Calibration Date: 10-MAY-05

Analyte	WG188649-01			WG188649-02		
	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	1000	446.747985839 844	2.238	500	217.363265991 211	2.300
1,3-Dinitrobenzene	1000	610.393554687 5	1.638	500	297.770141601 562	1.679
2,4,6-Trinitrotoluene	1000	423.587219238 281	2.361	500	205.149398803 711	2.437
2,4-Dinitrotoluene	1000	491.474548339 844	2.035	500	241.727981567 383	2.068
2,6-Dinitrotoluene	1000	306.740966796 875	3.260	500	150.109741210 938	3.331
2-Amino-4,6-Dinitrotoluene	1000	356.675018310 547	2.804	500	174.739929199 219	2.861
2-Nitrotoluene	1000	217.673385620 117	4.594	500	106.485511779 785	4.695
3-Nitrotoluene	1000	241.557525634 766	4.140	500	119.209320068 359	4.194
4-Amino-2,6-Dinitrotoluene	1000	245.562728881 836	4.072	500	121.182357788 086	4.126
4-Nitrotoluene	1000	176.280899047 852	5.673	500	86.6534042358 398	5.770
HMX	1000	167.391983032 227	5.974	500	83.7672042846 68	5.969
Nitrobenzene	1000	391.546417236 328	2.554	500	190.168502807 617	2.629
RDX	1000	197.137145996 094	5.073	500	95.2293777465 82	5.250
Tetryl	1000	302.889862060 547	3.302	500	148.361892700 195	3.370
3,4-Dinitrotoluene	1000	228.897964477 539	4.369	500	111.949325561 523	4.466

Login Number: L0505342
 Analytical Method: 8330

Instrument ID: HPLC4
 Initial Calibration Date: 10-MAY-05

Analyte	WG188649-03			WG188649-04		
	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	100	43.9480476379 395	2.275	50.0	20.9770450592 041	2.384
1,3-Dinitrobenzene	100	61.0492401123 047	1.638	50.0	29.0301837921 143	1.722
2,4,6-Trinitrotoluene	100	42.4625701904 297	2.355	50.0	19.8592967987 061	2.518
2,4-Dinitrotoluene	100	49.4773139953 613	2.021	50.0	23.4665546417 236	2.131
2,6-Dinitrotoluene	100	30.5008087158 203	3.279	50.0	14.5424079895 02	3.438
2-Amino-4,6-Dinitrotoluene	100	35.8206291198 73	2.792	50.0	17.3286323547 363	2.885
2-Nitrotoluene	100	21.1161098480 225	4.736	50.0	9.81066989898 682	5.096
3-Nitrotoluene	100	22.8780727386 475	4.371	50.0	10.5555210113 525	4.737
4-Amino-2,6-Dinitrotoluene	100	24.9738521575 928	4.004	50.0	11.9111776351 929	4.198
4-Nitrotoluene	100	16.7205638885 498	5.981	50.0	7.19282722473 145	6.951
HMX	100	16.1851272583 008	6.179	50.0	7.32371282577 515	6.827
Nitrobenzene	100	39.1169166564 941	2.556	50.0	18.6831703186 035	2.676
RDX	100	18.7005863189 697	5.347	50.0	8.75935649871 826	5.708
Tetryl	100	30.3004760742 188	3.300	50.0	14.2716827392 578	3.503
3,4-Dinitrotoluene	100	23.1127471923 828	4.327	50.0	11.2356529235 84	4.450

Login Number: L0505342
 Analytical Method: 8330

Instrument ID: HPLC4
 Initial Calibration Date: 10-MAY-05

Analyte	WG188649-05			WG188649-06		
	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	25.0	10.6327896118 164	2.351	10.0	4.04599857330 322	2.472
1,3-Dinitrobenzene	25.0	14.5816869735 718	1.714	10.0	5.93036365509 033	1.686
2,4,6-Trinitrotoluene	25.0	10.5805749893 188	2.363	10.0	4.02031326293 945	2.487
2,4-Dinitrotoluene	25.0	12.3679714202 881	2.021	10.0	4.89648914337 158	2.042
2,6-Dinitrotoluene	25.0	7.61175775527 954	3.284	10.0	2.96465897560 12	3.373
2-Amino-4,6-Dinitrotoluene	25.0	8.97884654998 779	2.784	10.0	3.44587087631 226	2.902
2-Nitrotoluene	25.0	4.36431169509 888	5.728	10.0	1.67381870746 613	5.974
3-Nitrotoluene	25.0	5.99579048156 738	4.170	10.0	1.88199961185 455	5.313
4-Amino-2,6-Dinitrotoluene	25.0	6.19186067581 177	4.038	10.0	2.12365388870 239	4.709
4-Nitrotoluene	25.0	4.35747051239 014	5.737	10.0	1.19627869129 181	8.359
HMX	25.0	3.66805291175 842	6.816	10.0	1.46236836910 248	6.838
Nitrobenzene	25.0	9.61166191101 074	2.601	10.0	3.66661310195 923	2.727
RDX	25.0	4.40615510940 552	5.674	10.0	1.69513332843 781	5.899
Tetryl	25.0	7.30986118316 65	3.420	10.0	3.26436543464 661	3.063
3,4-Dinitrotoluene	25.0	5.61809825897 217	4.450	10.0	2.18606066703 796	4.574

KEMRON Environmental Services
ALTERNATE SOURCE CALIBRATION REPORT

00094381

Login Number: L0505342 Run Date: 05/10/2005 Sample ID: WG188649-07
Instrument ID: HPLC4 Run Time: 17:56 Method: 8330
File ID: 4L007976.F Analyst: 833
ICal Workgroup: WG188649 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	52.7	2.25	5.5	ug/L	
1,3-Dinitrobenzene	50	51.8	1.65	3.5	ug/L	
2,4,6-Trinitrotoluene	50	55.3	2.23	10.5	ug/L	
2,4-Dinitrotoluene	50	57.0	1.82	14.1	ug/L	
2,6-Dinitrotoluene	50	54.6	3.10	9.2	ug/L	
2-Amino-4,6-Dinitrotoluene	50	55.1	2.61	10.2	ug/L	
2-Nitrotoluene	50	48.3	5.26	3.3	ug/L	
3-Nitrotoluene	50	51.2	4.38	2.4	ug/L	
4-Nitrotoluene	50	45.1	7.07	9.7	ug/L	
4-Amino-2,6-Dinitrotoluene	50	56.1	3.69	12.2	ug/L	
HMX	50	50.6	6.30	1.2	ug/L	
Nitrobenzene	50	51.9	2.58	3.8	ug/L	
RDX	50	54.4	5.15	8.7	ug/L	
Tetryl	50	55.1	3.09	10.2	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094382

Login Number: L0505342 Run Date: 05/19/2005 Sample ID: WG189404-02
Instrument ID: HPLC4 Run Time: 23:23 Method: 8330
File ID: 4L008153.F Analyst: RDC
Workgroup (AAB#): WG189638 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	52.4	2.26	4.8	ug/L	
1,3-Dinitrobenzene	50	52.6	1.62	5.3	ug/L	
2,4,6-Trinitrotoluene	50	54.4	2.27	8.9	ug/L	
2,4-Dinitrotoluene	50	51.8	2.01	3.7	ug/L	
2,6-Dinitrotoluene	50	52.6	3.22	5.3	ug/L	
2-Amino-4,6-Dinitrotoluene	50	52.2	2.75	4.4	ug/L	
2-Nitrotoluene	50	51.2	4.94	2.3	ug/L	
3-Nitrotoluene	50	50.5	4.44	.9	ug/L	
4-Nitrotoluene	50	51.2	6.14	2.5	ug/L	
4-Amino-2,6-Dinitrotoluene	50	52.5	3.95	4.9	ug/L	
HMX	50	53.3	5.96	6.6	ug/L	
Nitrobenzene	50	55.0	2.42	9.9	ug/L	
RDX	50	52.7	5.33	5.5	ug/L	
Tetryl	50	46.5	3.69	7.1	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094383

Login Number: L0505342 Run Date: 05/20/2005 Sample ID: WG189404-03
Instrument ID: HPLC4 Run Time: 06:13 Method: 8330
File ID: 4L008164.F Analyst: RDC
Workgroup (AAB#): WG189638 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	51.4	2.31	2.8	ug/L	
1,3-Dinitrobenzene	50	51.9	1.65	3.8	ug/L	
2,4,6-Trinitrotoluene	50	54.0	2.29	7.9	ug/L	
2,4-Dinitrotoluene	50	50.8	2.05	1.7	ug/L	
2,6-Dinitrotoluene	50	50.8	3.33	1.7	ug/L	
2-Amino-4,6-Dinitrotoluene	50	50.6	2.84	1.2	ug/L	
2-Nitrotoluene	50	49.9	5.08	.1	ug/L	
3-Nitrotoluene	50	51.9	4.31	3.9	ug/L	
4-Nitrotoluene	50	51.0	6.17	1.9	ug/L	
4-Amino-2,6-Dinitrotoluene	50	49.9	4.16	.3	ug/L	
HMX	50	50.5	6.31	1	ug/L	
Nitrobenzene	50	54.9	2.43	9.8	ug/L	
RDX	50	52.8	5.33	5.5	ug/L	
Tetryl	50	46.1	3.72	7.8	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094384

Login Number: L0505342 Run Date: 05/23/2005 Sample ID: WG189639-01
Instrument ID: HPLC4 Run Time: 17:24 Method: 8330
File ID: 4L008192.F Analvst: RDC
Workgroup (AAB#): WG189638 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	50.7	2.35	1.3	ug/L	
1,3-Dinitrobenzene	50	50.2	1.70	.4	ug/L	
2,4,6-Trinitrotoluene	50	50.0	2.48	0	ug/L	
2,4-Dinitrotoluene	50	50.2	2.07	.5	ug/L	
2,6-Dinitrotoluene	50	47.5	3.58	5	ug/L	
2-Amino-4,6-Dinitrotoluene	50	47.3	3.05	5.5	ug/L	
2-Nitrotoluene	50	48.3	5.26	3.3	ug/L	
3-Nitrotoluene	50	51.7	4.33	3.3	ug/L	
4-Nitrotoluene	50	47.0	6.76	6	ug/L	
4-Amino-2,6-Dinitrotoluene	50	53.7	3.86	7.4	ug/L	
HMX	50	48.5	6.59	3	ug/L	
Nitrobenzene	50	51.5	2.60	2.9	ug/L	
RDX	50	52.7	5.34	5.3	ug/L	
Tetryl	50	43.3	3.97	13.3	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094385

Login Number: L0505342 Run Date: 05/24/2005 Sample ID: WG189639-02
Instrument ID: HPLC4 Run Time: 00:24 Method: 8330
File ID: 4L008203.F Analyst: RDC
Workgroup (AAB#): WG189638 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	49.5	2.41	1	ug/L	
1,3-Dinitrobenzene	50	51.5	1.66	3.1	ug/L	
2,4,6-Trinitrotoluene	50	51.6	2.40	3.1	ug/L	
2,4-Dinitrotoluene	50	52.2	1.99	4.4	ug/L	
2,6-Dinitrotoluene	50	48.6	3.49	2.7	ug/L	
2-Amino-4,6-Dinitrotoluene	50	54.3	2.65	8.6	ug/L	
2-Nitrotoluene	50	47.7	5.34	4.7	ug/L	
3-Nitrotoluene	50	48.8	4.60	2.3	ug/L	
4-Nitrotoluene	50	43.4	7.38	13.1	ug/L	
4-Amino-2,6-Dinitrotoluene	50	56.7	3.65	13.3	ug/L	
HMX	50	49.5	6.45	.9	ug/L	
Nitrobenzene	50	57.0	2.34	14	ug/L	
RDX	50	50.3	5.62	.6	ug/L	
Tetryl	50	47.4	3.62	5.3	ug/L	

* Exceeds %D Limit



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: LHAAP-022

Page 1 of 1

Project Number: 845714

Samples Shipment Date: 16 MAY 2005

Bill To: Diane Meyer

3010 Briarpark Drive

Houston

TX 77042

Project Name: Longhorn Army Ammunition Plant Lab Destination: Kemron Lab

Sample Coordinator: Phil Conley

Lab Contact: Stephanie Mossburg

Report To: Diane Meyer

3010 Briarpark Drive

Houston

TX 77042

Turnaround Time:

Project Contact: Diane Meyer

Carrier/Waybill No.: UPS/J178 825 541 5

Special Instructions:

Possible Hazard Identification:

Non-hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown ☐Radiological ☐

Sample Disposal:

Return to Client ☐Disposal by Lab ☐

Archive

(mos.)

1. Relinquished By

(Signature/Affiliation)

Date: 5/16/05

Time: 1700

1. Received By

(Signature/Affiliation)

Date: 5/17/05

Time: 0940

2. Relinquished By

(Signature/Affiliation)

Date:

Time:

2. Received By

(Signature/Affiliation)

Date:

Time:

3. Relinquished By

(Signature/Affiliation)

Date:

Time:

3. Received By

(Signature/Affiliation)

Date:

Time:

Comments:

Clc sealed
in contact
cooler same 4

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	File	CID	Condition On Receipt
29WW09-MAY05-29WW09-GW-29WW09-MAY05-REG		15 MAY 2005	14:06	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL156	
29WW23-MAY05-29WW23-GW-29WW23-MAY05-REG		15 MAY 2005	13:45	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL156	
29WW24-MAY05-29WW24-GW-29WW24-MAY05-REG		15 MAY 2005	14:25	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL156	
29WW24-MAY05-29WW24-GW-29WW24-MAY05-MS-MS		15 MAY 2005	14:25	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL156	
29WW24-MAY05-29WW24-GW-29WW24-MAY05-MSD-MS		15 MAY 2005	14:25	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL156	

Login: L0505342

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 5

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505342-01 133464 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:00	BRG	
2	PREP	W1	EXT	18-MAY-2005 11:21	CEB	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:00	BRG	
2	STORE	W1	A1	18-MAY-2005 15:56	CEB	CEB

Samplenum **Container ID** **Products**

L0505342-02 133465 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:00	BRG	
2	PREP	W1	EXT	18-MAY-2005 11:21	CEB	BRG
3	DISP	EXT	DISP	19-MAY-2005 09:23	BRG	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:00	BRG	
2	STORE	W1	A1	18-MAY-2005 15:56	CEB	CEB

Samplenum **Container ID** **Products**

L0505342-03 133466 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:00	BRG	
2	PREP	W1	EXT	18-MAY-2005 11:22	CEB	BRG
3	DISP	EXT	DISP	19-MAY-2005 09:23	BRG	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:00	BRG	
2	STORE	W1	A1	18-MAY-2005 15:56	CEB	CEB

KEMRON Environmental Services
Internal Chain of Custody Report

00094388

Login: L0505342
Account: SHAW-ALLIANCE-798
Project: 798-LONGHORN
Samples: 5
Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505342-04 133467 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:00	BRG	
2	PREP	W1	EXT	18-MAY-2005 11:22	CEB	BRG
3	DISP	EXT	DISP	19-MAY-2005 09:23	BRG	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:00	BRG	
2	STORE	W1	A1	18-MAY-2005 15:56	CEB	CEB

Samplenum **Container ID** **Products**

L0505342-05 133468 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:00	BRG	
2	PREP	W1	EXT	18-MAY-2005 11:22	CEB	BRG
3	DISP	EXT	DISP	19-MAY-2005 09:23	BRG	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:00	BRG	
2	STORE	W1	A1	18-MAY-2005 15:56	CEB	CEB

SAMPLE RECEIPT FORM

00094389

Date: 5-17-05 Client: Shaw-LH

156 STARLITE DRIVE
MARIETTA, OH
45750
(740) 373-4071

Shipped By: () Fed-Ex ☒ UPS () DHL () KEMRON () Client () Other

Opened By: BLG

Logged By: BLG Login # 05342

IR Temp Gun: ☒ D () F

COOLER INFORMATION

Number	Cooler ID	Temp °C	Airbill#	COC#	Other
1	KL136	2	J1788255451	018	
2	KL1705	1	J1800104035	027	
3	KL144	3	J1800104044	026	
4	KL1564	4	J1788255415	022	
5	KL887	3	J1788255479	016	
6	KL1402	4	J1788255488	017	

Were all coolers sealed? ☒ Y N N/A

Were custody seals used on all coolers? ☒ Y N N/A

Were custody seals intact? ☒ Y N N/A

Was visible ice present? ☒ Y N N/A

Were all coolers in the temperature range of 2-6C? (>6C*) Y ☒ N N/A

Were the samples frozen? Y ☒ N N/A

Were COC papers provided? ☒ Y N N/A

Were all sample containers intact? ☒ Y N N/A

Were all sample labels intact? ☒ Y N N/A

Were all sample labels legible? ☒ Y N N/A

Did all sample labels match the COC? ☒ Y N N/A

Was the label information complete? ☒ Y N N/A

Were the correct containers used? ☒ Y N N/A

Were the correct preservatives added to water samples? Y N ☒ N/A

Was the pH tested on preserved water samples? Y N ☒ N/A

Were pH ranges acceptable? Y N ☒ N/A

Was sufficient amount of sample provided? ☒ Y N N/A

Were bubbles present in VOA samples? Y N ☒ N/A

Were COC's signed and dated? ☒ Y N N/A

Did samples arrive before hold time expired? ☒ Y N N/A

Are discrepancy forms attached? Y N ☒ N/A

*Requires a discrepancy form

Comments: _____

CRF #1
Revised 8/22/03



156 Starlite Drive, Marietta, OH 45750 • TEL 740-373-4071 • FAX 740-373-4835 • <http://www.kemron.com>

Laboratory Report Number: L0505343

Please find enclosed the analytical results for the samples you submitted to KEMRON Environmental Services.

Review and compilation of your report was completed by KEMRON's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact our team member noted in the Reviewed box below at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

Debra Elliott - Team Leader
delliott@kemron-lab.com

Amanda Fickiesen - Client Services Specialist
afickiesen@kemron-lab.com

Cheryl Koelsch - Team Chemist/Data Specialist
ckoelsch@kemron-lab.com

Annie Bock - Client Services Specialist
abock@kemron-lab.com

Stephanie Mossburg - Team Chemist/Data Specialist
smossburg@kemron-lab.com

Vicki Lauer - Client Services Specialist
vlauer@kemron-lab.com

Kathy Albertson - Team Chemist/Data Specialist
kalbertson@kemron-lab.com

Micalyn Harris - Team Chemist/Data Specialist
mharris@kemron-lab.com

This report was reviewed on May 24, 2005:

A handwritten signature in cursive script, reading "Stephanie Mossburg".

I certify that all test results meet all of the requirements of the NELAP standards and other applicable contract terms and conditions. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on an 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of KEMRON Environmental Services.

This report was certified on May 24, 2005:

A handwritten signature in cursive script, reading "David E. Vandenberg".

FL DOH NELAP ID: E87551

This report contains a total of 34 pages.

Protecting Our Environmental Future

LABORATORY REPORT

L0505343

00094391

05/24/05 19:50

Submitted By

KEMRON Environmental Services

156 Starlite Drive

Marietta , OH 45750

(740) 373 - 4071

For

Account Name: Shaw E & I, Inc.

ABB Lummus Building

3010 Briarpark

Houston, TX 77042

Attention: Diane Mever

Account Number: 307-ALLIANCE-798

Work ID: LONGHORN AAP

P.O. Number: 98696

Sample Summary

Client ID	Lab ID	Date Collected	Date Received
051405-ER	L0505343-01	14-MAY-05	17-MAY-05
29WW08-MAY05	L0505343-02	14-MAY-05	17-MAY-05
29WW11-MAY05	L0505343-03	14-MAY-05	17-MAY-05
29WW117-MAY05	L0505343-04	14-MAY-05	17-MAY-05
29WW25-MAY05	L0505343-05	14-MAY-05	17-MAY-05

KEMRON ENVIRONMENTAL SERVICES
REPORT NARRATIVE

KEMRON Login No.: L0505343

CHAIN OF CUSTODY: The chain of custody number was LHAAP-016

SHIPMENT CONDITIONS: The chain of custody forms were received sealed in a cooler. The cooler temperature was 3 degrees C.

SAMPLE MANAGEMENT: All samples received were intact.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Approved: 17-MAY-05

<i>Stephanie Moseburg</i>

KEMRON ENVIRONMENTAL SERVICES
HPLC-EXPLOSIVE RESIDUES

KEMRON Login No.: L0505343

METHOD

Analysis: SW-846 8330

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds linear equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Matrix Spikes: The MS/MSD results were not associated with this sample delivery group.

SAMPLES

Surrogates: Sample fraction 05 yielded a percent recovery for the surrogate that was below the advisory level. The sample was out of holding time and per the client was not re-extracted. All other acceptance criteria were met.

Samples: All acceptance criteria were met.

Manual Integration Reason Codes

KEMRON laboratory management has identified four general cases with valid reasons supporting the use of manual integration techniques.

Reason #1: Data System Fails to Select Correct Peak

In some cases the chromatography system selects and integrates the "wrong peak". In this case the analyst must correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

'Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak.'

This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

Reason #3: Improperly Integrated Isomers and/or coeluting compounds.

This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline

There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous

Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: RDC

Approved: 24-MAY-05



Report Number: L0505343

Report Date : May 24, 2005

00094395

Sample Number: L0505343-01
 Client ID: 051405-ER
 Matrix: Water
 Workgroup Number: WG189638
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/18/2005 11:30
 Cal Date: 05/10/2005 17:19
 Run Date: 05/20/2005 01:15
 File ID: 4L008156.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.03	0.258
1,3-Dinitrobenzene	99-65-0		U	1.03	0.258
2,4,6-Trinitrotoluene	118-96-7		U	1.03	0.258
2,4-Dinitrotoluene	121-14-2		U	1.03	0.258
2,6-Dinitrotoluene	606-20-2		U	1.03	0.258
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.03	0.258
2-Nitrotoluene	88-72-2		U	1.03	0.258
3-Nitrotoluene	99-08-1		U	1.03	0.258
4-Nitrotoluene	99-99-0		U	1.03	0.258
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.03	0.258
HMX	2691-41-0		U	1.03	0.258
Nitrobenzene	98-95-3		U	1.03	0.258
RDX	121-82-4		U	1.03	0.258
Tetryl	479-45-8		U	1.03	0.258
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	104	50	150		

U Not detected at or above adjusted sample detection limit

Sample Number: L0505343-02
 Client ID: 29WW08-MAY05
 Matrix: Water
 Workgroup Number: WG189638
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/18/2005 11:30
 Cal Date: 05/10/2005 17:19
 Run Date: 05/20/2005 01:52
 File ID: 4L008157.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.03	0.258
1,3-Dinitrobenzene	99-65-0		U	1.03	0.258
2,4,6-Trinitrotoluene	118-96-7		U	1.03	0.258
2,4-Dinitrotoluene	121-14-2		U	1.03	0.258
2,6-Dinitrotoluene	606-20-2		U	1.03	0.258
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.03	0.258
2-Nitrotoluene	88-72-2		U	1.03	0.258
3-Nitrotoluene	99-08-1		U	1.03	0.258
4-Nitrotoluene	99-99-0		U	1.03	0.258
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.03	0.258
HMX	2691-41-0		U	1.03	0.258
Nitrobenzene	98-95-3		U	1.03	0.258
RDX	121-82-4		U	1.03	0.258
Tetryl	479-45-8		U	1.03	0.258
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	62.0	50	150		

U Not detected at or above adjusted sample detection limit

Report Number: L0505343

Report Date : May 24, 2005

00094396

Sample Number: L0505343-03
 Client ID: 29WW11-MAY05
 Matrix: Water
 Workgroup Number: WG189638
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/18/2005 11:30
 Cal Date: 05/10/2005 17:19
 Run Date: 05/20/2005 02:29
 File ID: 4L008158.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.00	0.250
1,3-Dinitrobenzene	99-65-0		U	1.00	0.250
2,4,6-Trinitrotoluene	118-96-7		U	1.00	0.250
2,4-Dinitrotoluene	121-14-2		U	1.00	0.250
2,6-Dinitrotoluene	606-20-2		U	1.00	0.250
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.00	0.250
2-Nitrotoluene	88-72-2		U	1.00	0.250
3-Nitrotoluene	99-08-1		U	1.00	0.250
4-Nitrotoluene	99-99-0		U	1.00	0.250
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.00	0.250
HMX	2691-41-0		U	1.00	0.250
Nitrobenzene	98-95-3		U	1.00	0.250
RDX	121-82-4		U	1.00	0.250
Tetryl	479-45-8		U	1.00	0.250
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	84.3	50	150		

U Not detected at or above adjusted sample detection limit

Sample Number: L0505343-04
 Client ID: 29WW117-MAY05
 Matrix: Water
 Workgroup Number: WG189638
 Collect Date: 14-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/18/2005 11:30
 Cal Date: 05/10/2005 17:19
 Run Date: 05/20/2005 03:06
 File ID: 4L008159.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.00	0.250
1,3-Dinitrobenzene	99-65-0		U	1.00	0.250
2,4,6-Trinitrotoluene	118-96-7		U	1.00	0.250
2,4-Dinitrotoluene	121-14-2		U	1.00	0.250
2,6-Dinitrotoluene	606-20-2		U	1.00	0.250
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.00	0.250
2-Nitrotoluene	88-72-2		U	1.00	0.250
3-Nitrotoluene	99-08-1		U	1.00	0.250
4-Nitrotoluene	99-99-0		U	1.00	0.250
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.00	0.250
HMX	2691-41-0		U	1.00	0.250
Nitrobenzene	98-95-3		U	1.00	0.250
RDX	121-82-4		U	1.00	0.250
Tetryl	479-45-8		U	1.00	0.250
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	95.1	50	150		

U Not detected at or above adjusted sample detection limit

Report Number: **L0505343**Report Date : **May 24, 2005****00094397**

Sample Number: L0505343-05	Prep Method: 3535	Instrument: HPLC4
Client ID: 29WW25-MAY05	Analytical Method: 8330	Prep Date: 05/18/2005 11:30
Matrix: Water	Analyst: RDC	Cal Date: 05/10/2005 17:19
Workgroup Number: WG189638	Dilution: 1	Run Date: 05/20/2005 03:44
Collect Date: 14-MAY-05	Units: ug/L	File ID: 4L008160.F
Sample Tag: 01		

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.00	0.250
1,3-Dinitrobenzene	99-65-0		U	1.00	0.250
2,4,6-Trinitrotoluene	118-96-7		U	1.00	0.250
2,4-Dinitrotoluene	121-14-2		U	1.00	0.250
2,6-Dinitrotoluene	606-20-2		U	1.00	0.250
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.00	0.250
2-Nitrotoluene	88-72-2		U	1.00	0.250
3-Nitrotoluene	99-08-1		U	1.00	0.250
4-Nitrotoluene	99-99-0		U	1.00	0.250
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.00	0.250
HMX	2691-41-0		U	1.00	0.250
Nitrobenzene	98-95-3		U	1.00	0.250
RDX	121-82-4		U	1.00	0.250
Tetryl	479-45-8		U	1.00	0.250
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	36.3	50	150	*	

* Surrogate or spike compound out of range

U Not detected at or above adjusted sample detection limit

WORKGROUP SUMMARY BY METHOD

Analysis:Explosives

Extraction Method:3535

Workgroup:WG189252

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505343-01	051405-ER		05/18/05 11:30			SPE	CEB
L0505343-02	29WW08-MAY05		05/18/05 11:30			SPE	CEB
L0505343-03	29WW11-MAY05		05/18/05 11:30			SPE	CEB
L0505343-04	29WW117-MAY05		05/18/05 11:30			SPE	CEB
L0505343-05	29WW25-MAY05		05/18/05 11:30			SPE	CEB

Analysis:Explosives

Analytical Method:8330

Workgroup:WG189638

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505343-01	051405-ER		05/18/05 11:30	05/20/05 01:15	01	HPLC4	RDC
L0505343-02	29WW08-MAY05		05/18/05 11:30	05/20/05 01:52	01	HPLC4	RDC
L0505343-03	29WW11-MAY05		05/18/05 11:30	05/20/05 02:29	01	HPLC4	RDC
L0505343-04	29WW117-MAY05		05/18/05 11:30	05/20/05 03:06	01	HPLC4	RDC
L0505343-05	29WW25-MAY05		05/18/05 11:30	05/20/05 03:44	01	HPLC4	RDC

Kemron Environmental Services
Analyst Listing May 24, 2005

AJF - AMANDA J. FICKIESEN	ALB - ANNIE L. BOCK	ALT - ANN L. THAYER
BRG - BRENDA R. GREGORY	CAF - CHERYL A. FLOWERS	CAK - CHERYL A. KOELSCH
CEB - CHAD E. BARNES	CLC - CHRYS L. CRAWFORD	CLK - CARL L. KING
CLS - CARA L. STRICKLER	CLW - CHARISSA L. WINTERS	CM - CHARLIE MARTIN
CMS - CRYSTAL M. STEPHENS	CPD - CHAD P. DAVIS	CRC - CARLA R. COCHRAN
CSH - CHRIS S. HILL	DAS - DALLAS A. SULLIVAN	DD - DIANE M. DENNIS
DDE - DEBRA D. ELLIOTT	DEL - DON E. LIGHTFRITZ	DEV - DAVID E. VANDENBERG
DGB - DOUGLAS G. BUTCHER	DIH - DEANNA I. HESSON	DLB - DAVID L. BUMGARNER
DLP - DOROTHY L. PAYNE	DLR - DIANNA L. RAUCH	DP - DEANNA L. PIERSON
DR - DEANNA ROBERTS	DRB - DOUG R. BARNETT	DSM - DAVID S. MOSSOR
DST - DENNIS S. TEPE	ECL - ERIC C. LAWSON	ED - EMILY E. DECKER
HAV - HEMA VILASAGAR	JAL - JOHN A. LENT	JJG - JOHN J. GREUEY
JKT - JANE K. THOMPSON	JLS - JANICE L. SCHIMMEL	JWR - JOHN W. RICHARDS
JWS - JACK W. SHEAVES	JYH - JI Y. HU	KEB - KATHRYN E. BARNES
KHR - KIM H. RHODES	KRA - KATHY R. ALBERTSON	LKN - LINDA K. NEDEFF
LSA - LUCINDA S. ARNOLD	LSB - LESLIE S. BUCINA	MAH - MICALYN A. HARRIS
MDA - MICHAEL D. ALBERTSON	MDC - MICHAEL D. COCHRAN	MES - MARY E. SCHILLING
MKZ - MARILYN K. ZUMBRO	MLR - MARY L. ROCHOTTE	MLS - MICHAEL L. SCHIMMEL
MMB - MAREN M. BEERY	MSW - MATT S. WILSON	NJB - NATALIE J. BOOTH
OGT - OKEY G. TUCKER	PAS - PATRICK A. STREET	RB - ROBERT BUCHANAN
RDC - REBECCA D. CUTLIP	REK - ROBERT E. KYER	RWC - RODNEY W. CAMPBELL
SCM - SUSAN C. MOELLENDICK	SK - SANDRA KEENER	SLM - STEPHANIE L. MOSSBURG
SLP - SHERI L. PFALZGRAF	SMH - SHAUNA M. HYDE	TD - TIMOTHY DYSERT
TMM - TAMMY M. MORRIS	VC - VICKI COLLIER	VKL - VICKY K. LAUER

KEMRON Environmental Services, Inc.

List of Valid Qualifiers

May 24, 2005

These are KEMRON's standard report qualifiers:

B	Present in the method blank	NS	Not spiked
C	Confirmed by GC/MS	P	Concentration >40% difference between the two GC columns
CG	Confluent growth	QNS	Quantity not sufficient to perform analysis
D	The analyte was quantified as a secondary dilution factor	RA	Reanalysis confirms reported results
DL	Surrogate or spike was diluted out	RE	Reanalysis confirms sample matrix interference
E	Estimated concentration due to sample matrix interference	S	Analyzed by method of standard addition
FL	Free liquid	SMI	Sample matrix interference on surrogate
I	Semi-quantitative result, out of instrument calibration range	SP	Reported results are for spike compounds only
J	Present below normal reporting limit	TNTC	Too numerous to count
L	Sample reporting limits elevated due to matrix interference	U	Analyzed for but not detected
N	Tentatively Identified Compound (TIC)	W	Post-digestion spike for furnace AA out of control limits
NA	Not applicable	X	Exceeds regulatory limit
ND	Not detected at or above the reporting limit (RL)	Z	Can not be resolved from isomer.***
NF	Not found	+	Correlation coefficient for the MSA is less than 0.995
NFL	No free liquid	<	Less than
NI	Non-ignitable	>	Greater than
		*	Surrogate or spike compound out of range

*****Special Notes for Organic Analytes**

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound and are matrix dependent.

AFCEE Qualifiers

These are KEMRON's AFCEE Report Qualifiers

- J** The analyte was positively identified, the quantitation is an estimation.
- U** The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL
- F** The analyte was positively identified by the associated numerical value is below the RL
- R** The data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria
- B** The analyte was found in an associated blank, as well as in the sample
- M** The matrix effect was present
- S** To be applied to all field screening data
- T** Tentatively identified compound (using GC/MS)

Organic QA/QC

Figure 1
Semi-Volatile GC Checklist

Run Date: 5-10-05
 Analyst: ECL
 Instrument: HPLC 4
 Method: 8330

Login no. Due Date Priority

05-084 need rerun

		Analyst	Peer
System Performance Check:	Endrin/DDT Breakdown		
Initial Calibration:	ICAL summary	✓	✓
	Linear or quadratic regression	✓	✓
	Alt Source Check	✓	✓
Continuing Calibration:	Continuing Calibration	✓	✓
	Ending standards	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD	✓	✓
Samples:	Quant Reports/Chromatograms	✓	✓
	Mass spectra		
	Surrogates	✓	✓
	Dilution runs		
	Confirmations	NA	
	Correct Factors	✓	✓
	Manual integrations	✓	✓
Data Package:	Run logs	✓	✓
	Bench sheets		
	Upload results		
	QC forms		
	Seedpak workgroups		
Client Data	Data scanned		
	Integrations digitally signed	✓	
	Level 2 pdf files		
	Level 3/Level x		
	Level 4 copies		
	Case narratives		
		Supervisor	
	Integrations digitally cosigned	✓	
	Corrective Action		
	Results Reporting/Data Qualifiers		
	Client Data/digital signatures		
	Check for Completeness	✓	
	Check for compliance with method and project requirements	✓	
	Check the reasonableness of results	✓	

✓ = Checked & OK

NA = Not Applicable

Primary Reviewer:

ECL 5-11-05

Secondary Reviewer:

Robert Hester

Comments:

Semi-Volatile HPLC Checklist

Run Date: 19-MAY-2005Analyst: RDCInstrument: HPLC4Method: 8330

Login no.	Due Date	Priority
05-342	24-May-05	F3
05-343	24-May-05	F3
05-345	24-May-05	F3

		Analyst	Peer
Initial Calibration:	ICAL summary		
	Linear or quadratic regression		
	Alt Source Check		
Continuing Calibration:	Continuing Calibration	✓	✓
	Ending Standards	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD	✓	✓
Samples:	Quant Reports/Chromatograms	✓	✓
	TCL Hits	✓	✓
	Surrogates	✓	✓
	Dilution runs		
	Confirmations		
	Correct Factors		
	Manual integrations	✓	✓
Data Package:	Run logs	✓	✓
	Bench sheets	✓	✓
	Upload results	✓	✓
	QC forms	✓	✓
	Seedpak workgroups	✓	✓
Client Data	Data scanned		
	Level 2 pdf files		
	Level 3/Level x		
	Level 4 copies		
	Case narratives		
	Integrations digitally signed	✓	
	Supervisor		
Corrective Action:		✓	
Results Reporting/Data Qualifiers:		✓	
Client Data/digital signatures			
Check for Completeness:		✓	
Check for compliance with method and project requirements:		✓	
Check the reasonableness of results:		✓	

✓ = Checked & OK

NA = Not Applicable

Primary Reviewer:

RDC 5/23/05

Secondary Reviewer:

mls/2/05

Comments: _____
 BLANK AND LCS WILL BE RR ALONG WITH
 8 OTHER SAMPLES DUE TO CCV FAILURE.

Semi-Volatile HPLC Checklist

Run Date: 23-MAY-2005Analyst: RDCInstrument: HPLC4Method: 8330

Login no.	Due Date	Priority
05-338	24-May-05	F3
05-341	24-May-05	F3
05-342	24-May-05	F3
05-398	24-May-05	F3
05-400	24-May-05	F3

		Analyst	Peer
Initial Calibration:	ICAL summary		
	Linear or quadratic regression		
	Alt Source Check		
Continuing Calibration:	Continuing Calibration	✓	✓
	Ending Standards	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD		
Samples:	Quant Reports/Chromatograms	✓	✓
	TCL Hits	✓	✓
	Surrogates	✓	✓
	Dilution runs		
	Confirmations		
	Correct Factors		
	Manual integrations	✓	✓
Data Package:	Run logs	✓	✓
	Bench sheets	✓	✓
	Upload results	✓	✓
	QC forms	✓	✓
	Seedpak workgroups	✓	✓
Client Data	Data scanned		
	Level 2 pdf files		
	Level 3/Level x		
	Level 4 copies		
	Case narratives		
	Integrations digitally signed	✓	
	Supervisor		
Corrective Action:			
Results Reporting/Data Qualifiers:		✓	
Client Data/digital signatures		✓	
Check for Completeness:		✓	
Check for compliance with method and project requirements:		✓	
Check the reasonableness of results:		✓	

✓ = Checked & OK

NA = Not Applicable

Primary Reviewer: RDC 5/24/05Secondary Reviewer: 5/24/05

Comments: _____

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00094406

Analytical Method: 8330
Login Number: L0505343

AAB#: WG189638

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
051405-ER	05/14/05	05/17/05	05/18/05	7	4.11	05/20/05	40	1.57	
29WW08-MAY05	05/14/05	05/17/05	05/18/05	7	4.07	05/20/05	40	1.60	
29WW11-MAY05	05/14/05	05/17/05	05/18/05	7	4.03	05/20/05	40	1.62	
29WW117-MAY05	05/14/05	05/17/05	05/18/05	7	4.09	05/20/05	40	1.65	
29WW25-MAY05	05/14/05	05/17/05	05/18/05	7	4.06	05/20/05	40	1.68	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

SURROGATE STANDARDS

Login Number: L0505343
Instrument Id: HPLC4
Workgroup (AAB#): WG189638

Method: 8330
CAL ID: HPLC4 - 10-MAY-05
Matrix: WATER

Sample Number	Dilution	Tag	1
L0505343-01	1.00	01	104
L0505343-02	1.00	01	62.0
L0505343-03	1.00	01	84.3
L0505343-04	1.00	01	95.1
L0505343-05	1.00	01	<u>36.3</u>
WG189252-02	1.00	01	95.9
WG189252-03	1.00	01	107

Surrogates	Surrogate Limits
1 - 3,4-Dinitrotoluene	50 - 150

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

Login Number: L0505343
Blank File ID: 4L008193.F
Date Analyzed: 05/23/05
Time Analyzed: 18:11
Analyst: RDC

Work Group: WG189638
Blank Sample ID: WG189252-02
Instrument ID: HPLC4
Method: 8330

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
051405-ER	L0505343-01	4L008156.F	05/20/05 01:15	01
29WW08-MAY05	L0505343-02	4L008157.F	05/20/05 01:52	01
29WW11-MAY05	L0505343-03	4L008158.F	05/20/05 02:29	01
29WW117-MAY05	L0505343-04	4L008159.F	05/20/05 03:06	01
29WW25-MAY05	L0505343-05	4L008160.F	05/20/05 03:44	01
LCS	WG189252-03	4L008194.F	05/23/05 18:49	01

Login Number: L0505343 Run Date: 05/23/2005 Sample ID: WG189252-02
 Instrument ID: HPLC4 Run Time: 18:11 Prep Method: 3535
 File ID: 4L008193.F Analyst: RDC Method: 8330
 Workgroup (AAB#): WG189638 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPLC4-10-MAY-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
1,3,5-Trinitrobenzene	0.250	1.00	0.250	1	U
1,3-Dinitrobenzene	0.250	1.00	0.250	1	U
2,4,6-Trinitrotoluene	0.250	1.00	0.250	1	U
2,4-Dinitrotoluene	0.250	1.00	0.250	1	U
2,6-Dinitrotoluene	0.250	1.00	0.250	1	U
2-Amino-4,6-dinitrotoluene	0.250	1.00	0.250	1	U
2-Nitrotoluene	0.250	1.00	0.250	1	U
3-Nitrotoluene	0.250	1.00	0.250	1	U
4-Nitrotoluene	0.250	1.00	0.250	1	U
4-Amino-2,6-dinitrotoluene	0.250	1.00	0.250	1	U
HMX	0.250	1.00	0.250	1	U
Nitrobenzene	0.250	1.00	0.250	1	U
RDX	0.250	1.00	0.250	1	U
Tetryl	0.250	1.00	0.250	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
3,4-Dinitrotoluene	95.9	50 - 150	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

ND Analyte Not detected at or above reporting limit

Login Number: L0505343 Run Date: 05/23/2005 Sample ID: WG189252-03
 Instrument ID: HPLC4 Run Time: 18:49 Prep Method: 3535
 File ID: 4L008194.F Analyst: RDC Method: 8330
 Workgroup (AAB#): WG189638 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPLC4-10-MAY-2005

Analytes	Expected	Found	% Rec	LCS Limits	Q
1,3,5-Trinitrobenzene	1.00	0.891	89.1	58 - 120	
1,3-Dinitrobenzene	1.00	0.986	98.6	68 - 135	
2,4,6-Trinitrotoluene	1.00	0.915	91.5	27 - 137	
2,4-Dinitrotoluene	1.00	1.02	102	69 - 109	
2,6-Dinitrotoluene	1.00	1.02	102	55 - 121	
2-Amino-4,6-dinitrotoluene	1.00	1.01	101	72 - 112	
2-Nitrotoluene	1.00	0.978	97.8	67 - 121	
3-Nitrotoluene	1.00	1.00	100	66 - 110	
4-Nitrotoluene	1.00	0.960	96.0	68 - 110	
4-Amino-2,6-dinitrotoluene	1.00	1.00	100	74 - 116	
HMX	1.00	0.770	77.0	54 - 99	
Nitrobenzene	1.00	1.05	105	70 - 131	
RDX	1.00	0.794	79.4	60 - 116	
Tetryl	1.00	0.819	81.9	10 - 147	

Surrogates	% Recovery	Surrogate Limits	Qualifier
3,4-Dinitrotoluene	107	50 - 150	PASS

* FAILS %REC LIMIT

Login Number: L0505343
Analytical Method: 8330
ICAL Workgroup: WG188649

Instrument ID: HPLC4
Initial Calibration Date: 10-MAY-05

Analyte		AVG RF	% RSD	R2	QUAD
1,3,5-Trinitrobenzene		2.337	3.55		
1,3-Dinitrobenzene		1.680	2.16		
2,4,6-Trinitrotoluene		2.420	2.92		
2,4-Dinitrotoluene		2.053	1.99		
2,6-Dinitrotoluene		3.328	2.02		
2-Amino-4,6-Dinitrotoluene		2.838	1.80		
2-Nitrotoluene		5.137	10.8		
3-Nitrotoluene		4.488	9.41		
4-Amino-2,6-Dinitrotoluene		4.191	5.77		
4-Nitrotoluene		6.412	14.3		
HMX		6.434	6.84		
Nitrobenzene		2.624	2.59		
RDX		5.492	5.79		
Tetryl		3.326	4.67		
3,4-Dinitrotoluene		4.439	1.93		

Login Number: L0505343
 Analytical Method: 8330

Instrument ID: HPLC4
 Initial Calibration Date: 10-MAY-05

Analyte	WG188649-01			WG188649-02		
	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	1000	446.747985839 844	2.238	500	217.363265991 211	2.300
1,3-Dinitrobenzene	1000	610.393554687 5	1.638	500	297.770141601 562	1.679
2,4,6-Trinitrotoluene	1000	423.587219238 281	2.361	500	205.149398803 711	2.437
2,4-Dinitrotoluene	1000	491.474548339 844	2.035	500	241.727981567 383	2.068
2,6-Dinitrotoluene	1000	306.740966796 875	3.260	500	150.109741210 938	3.331
2-Amino-4,6-Dinitrotoluene	1000	356.675018310 547	2.804	500	174.739929199 219	2.861
2-Nitrotoluene	1000	217.673385620 117	4.594	500	106.485511779 785	4.695
3-Nitrotoluene	1000	241.557525634 766	4.140	500	119.209320068 359	4.194
4-Amino-2,6-Dinitrotoluene	1000	245.562728881 836	4.072	500	121.182357788 086	4.126
4-Nitrotoluene	1000	176.280899047 852	5.673	500	86.6534042358 398	5.770
HMX	1000	167.391983032 227	5.974	500	83.7672042846 68	5.969
Nitrobenzene	1000	391.546417236 328	2.554	500	190.168502807 617	2.629
RDX	1000	197.137145996 094	5.073	500	95.2293777465 82	5.250
Tetryl	1000	302.889862060 547	3.302	500	148.361892700 195	3.370
3,4-Dinitrotoluene	1000	228.897964477 539	4.369	500	111.949325561 523	4.466

Login Number: L0505343
 Analytical Method: 8330

Instrument ID: HPLC4
 Initial Calibration Date: 10-MAY-05

Analyte	WG188649-03			WG188649-04		
	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	100	43.9480476379 395	2.275	50.0	20.9770450592 041	2.384
1,3-Dinitrobenzene	100	61.0492401123 047	1.638	50.0	29.0301837921 143	1.722
2,4,6-Trinitrotoluene	100	42.4625701904 297	2.355	50.0	19.8592967987 061	2.518
2,4-Dinitrotoluene	100	49.4773139953 613	2.021	50.0	23.4665546417 236	2.131
2,6-Dinitrotoluene	100	30.5008087158 203	3.279	50.0	14.5424079895 02	3.438
2-Amino-4,6-Dinitrotoluene	100	35.8206291198 73	2.792	50.0	17.3286323547 363	2.885
2-Nitrotoluene	100	21.1161098480 225	4.736	50.0	9.81066989898 682	5.096
3-Nitrotoluene	100	22.8780727386 475	4.371	50.0	10.5555210113 525	4.737
4-Amino-2,6-Dinitrotoluene	100	24.9738521575 928	4.004	50.0	11.9111776351 929	4.198
4-Nitrotoluene	100	16.7205638885 498	5.981	50.0	7.19282722473 145	6.951
HMX	100	16.1851272583 008	6.179	50.0	7.32371282577 515	6.827
Nitrobenzene	100	39.1169166564 941	2.556	50.0	18.6831703186 035	2.676
RDX	100	18.7005863189 697	5.347	50.0	8.75935649871 826	5.708
Tetryl	100	30.3004760742 188	3.300	50.0	14.2716827392 578	3.503
3,4-Dinitrotoluene	100	23.1127471923 828	4.327	50.0	11.2356529235 84	4.450

Login Number: L0505343
 Analytical Method: 8330

Instrument ID: HPLC4
 Initial Calibration Date: 10-MAY-05

Analyte	WG188649-05			WG188649-06		
	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	25.0	10.6327896118 164	2.351	10.0	4.04599857330 322	2.472
1,3-Dinitrobenzene	25.0	14.5816869735 718	1.714	10.0	5.93036365509 033	1.686
2,4,6-Trinitrotoluene	25.0	10.5805749893 188	2.363	10.0	4.02031326293 945	2.487
2,4-Dinitrotoluene	25.0	12.3679714202 881	2.021	10.0	4.89648914337 158	2.042
2,6-Dinitrotoluene	25.0	7.61175775527 954	3.284	10.0	2.96465897560 12	3.373
2-Amino-4,6-Dinitrotoluene	25.0	8.97884654998 779	2.784	10.0	3.44587087631 226	2.902
2-Nitrotoluene	25.0	4.36431169509 888	5.728	10.0	1.67381870746 613	5.974
3-Nitrotoluene	25.0	5.99579048156 738	4.170	10.0	1.88199961185 455	5.313
4-Amino-2,6-Dinitrotoluene	25.0	6.19186067581 177	4.038	10.0	2.12365388870 239	4.709
4-Nitrotoluene	25.0	4.35747051239 014	5.737	10.0	1.19627869129 181	8.359
HMX	25.0	3.66805291175 842	6.816	10.0	1.46236836910 248	6.838
Nitrobenzene	25.0	9.61166191101 074	2.601	10.0	3.66661310195 923	2.727
RDX	25.0	4.40615510940 552	5.674	10.0	1.69513332843 781	5.899
Tetryl	25.0	7.30986118316 65	3.420	10.0	3.26436543464 661	3.063
3,4-Dinitrotoluene	25.0	5.61809825897 217	4.450	10.0	2.18606066703 796	4.574

KEMRON Environmental Services
ALTERNATE SOURCE CALIBRATION REPORT

00094415

Login Number: L0505343 Run Date: 05/10/2005 Sample ID: WG188649-07
Instrument ID: HPLC4 Run Time: 17:56 Method: 8330
File ID: 4L007976.F Analyst: 833
ICal Workgroup: WG188649 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	52.7	2.25	5.5	ug/L	
1,3-Dinitrobenzene	50	51.8	1.65	3.5	ug/L	
2,4,6-Trinitrotoluene	50	55.3	2.23	10.5	ug/L	
2,4-Dinitrotoluene	50	57.0	1.82	14.1	ug/L	
2,6-Dinitrotoluene	50	54.6	3.10	9.2	ug/L	
2-Amino-4,6-Dinitrotoluene	50	55.1	2.61	10.2	ug/L	
2-Nitrotoluene	50	48.3	5.26	3.3	ug/L	
3-Nitrotoluene	50	51.2	4.38	2.4	ug/L	
4-Nitrotoluene	50	45.1	7.07	9.7	ug/L	
4-Amino-2,6-Dinitrotoluene	50	56.1	3.69	12.2	ug/L	
HMX	50	50.6	6.30	1.2	ug/L	
Nitrobenzene	50	51.9	2.58	3.8	ug/L	
RDX	50	54.4	5.15	8.7	ug/L	
Tetryl	50	55.1	3.09	10.2	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094416

Login Number: L0505343 Run Date: 05/19/2005 Sample ID: WG189404-02
Instrument ID: HPLC4 Run Time: 23:23 Method: 8330
File ID: 4L008153.F Analyst: RDC
Workgroup (AAB#): WG189638 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	52.4	2.26	4.8	ug/L	
1,3-Dinitrobenzene	50	52.6	1.62	5.3	ug/L	
2,4,6-Trinitrotoluene	50	54.4	2.27	8.9	ug/L	
2,4-Dinitrotoluene	50	51.8	2.01	3.7	ug/L	
2,6-Dinitrotoluene	50	52.6	3.22	5.3	ug/L	
2-Amino-4,6-Dinitrotoluene	50	52.2	2.75	4.4	ug/L	
2-Nitrotoluene	50	51.2	4.94	2.3	ug/L	
3-Nitrotoluene	50	50.5	4.44	.9	ug/L	
4-Nitrotoluene	50	51.2	6.14	2.5	ug/L	
4-Amino-2,6-Dinitrotoluene	50	52.5	3.95	4.9	ug/L	
HMX	50	53.3	5.96	6.6	ug/L	
Nitrobenzene	50	55.0	2.42	9.9	ug/L	
RDX	50	52.7	5.33	5.5	ug/L	
Tetryl	50	46.5	3.69	7.1	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094417

Login Number: L0505343 Run Date: 05/20/2005 Sample ID: WG189404-03
Instrument ID: HPLC4 Run Time: 06:13 Method: 8330
File ID: 4L008164.F Analyst: RDC
Workgroup (AAB#): WG189638 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	51.4	2.31	2.8	ug/L	
1,3-Dinitrobenzene	50	51.9	1.65	3.8	ug/L	
2,4,6-Trinitrotoluene	50	54.0	2.29	7.9	ug/L	
2,4-Dinitrotoluene	50	50.8	2.05	1.7	ug/L	
2,6-Dinitrotoluene	50	50.8	3.33	1.7	ug/L	
2-Amino-4,6-Dinitrotoluene	50	50.6	2.84	1.2	ug/L	
2-Nitrotoluene	50	49.9	5.08	.1	ug/L	
3-Nitrotoluene	50	51.9	4.31	3.9	ug/L	
4-Nitrotoluene	50	51.0	6.17	1.9	ug/L	
4-Amino-2,6-Dinitrotoluene	50	49.9	4.16	.3	ug/L	
HMX	50	50.5	6.31	1	ug/L	
Nitrobenzene	50	54.9	2.43	9.8	ug/L	
RDX	50	52.8	5.33	5.5	ug/L	
Tetryl	50	46.1	3.72	7.8	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094418

Login Number: L0505343 Run Date: 05/23/2005 Sample ID: WG189639-01
Instrument ID: HPLC4 Run Time: 17:24 Method: 8330
File ID: 4L008192.F Analvst: RDC
Workgroup (AAB#): WG189638 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	50.7	2.35	1.3	ug/L	
1,3-Dinitrobenzene	50	50.2	1.70	.4	ug/L	
2,4,6-Trinitrotoluene	50	50.0	2.48	0	ug/L	
2,4-Dinitrotoluene	50	50.2	2.07	.5	ug/L	
2,6-Dinitrotoluene	50	47.5	3.58	5	ug/L	
2-Amino-4,6-Dinitrotoluene	50	47.3	3.05	5.5	ug/L	
2-Nitrotoluene	50	48.3	5.26	3.3	ug/L	
3-Nitrotoluene	50	51.7	4.33	3.3	ug/L	
4-Nitrotoluene	50	47.0	6.76	6	ug/L	
4-Amino-2,6-Dinitrotoluene	50	53.7	3.86	7.4	ug/L	
HMX	50	48.5	6.59	3	ug/L	
Nitrobenzene	50	51.5	2.60	2.9	ug/L	
RDX	50	52.7	5.34	5.3	ug/L	
Tetryl	50	43.3	3.97	13.3	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094419

Login Number: L0505343 Run Date: 05/24/2005 Sample ID: WG189639-02
Instrument ID: HPLC4 Run Time: 00:24 Method: 8330
File ID: 4L008203.F Analyst: RDC
Workgroup (AAB#): WG189638 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	49.5	2.41	1	ug/L	
1,3-Dinitrobenzene	50	51.5	1.66	3.1	ug/L	
2,4,6-Trinitrotoluene	50	51.6	2.40	3.1	ug/L	
2,4-Dinitrotoluene	50	52.2	1.99	4.4	ug/L	
2,6-Dinitrotoluene	50	48.6	3.49	2.7	ug/L	
2-Amino-4,6-Dinitrotoluene	50	54.3	2.65	8.6	ug/L	
2-Nitrotoluene	50	47.7	5.34	4.7	ug/L	
3-Nitrotoluene	50	48.8	4.60	2.3	ug/L	
4-Nitrotoluene	50	43.4	7.38	13.1	ug/L	
4-Amino-2,6-Dinitrotoluene	50	56.7	3.65	13.3	ug/L	
HMX	50	49.5	6.45	.9	ug/L	
Nitrobenzene	50	57.0	2.34	14	ug/L	
RDX	50	50.3	5.62	.6	ug/L	
Tetryl	50	47.4	3.62	5.3	ug/L	

* Exceeds %D Limit



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: LHAAP-016

Page 1 of 1

Project Number: 845714

Samples Shipment Date: 16 MAY 2005

Bill To: Diane Meyer

3010 Briarpark Drive

Houston

TX 77042

Project Name: Longhorn Army Ammunition Plant Lab Destination: Kemron Lab

Sample Coordinator: Phil Conley

Lab Contact: Stephanie Mossburg

Report To: Diane Meyer

3010 Briarpark Drive

Houston

TX 77042

Turnaround Time:

Project Contact: Diane Meyer

Carrier/Waybill No.: UPS/J178 825 547 9

Special Instructions:

Possible Hazard Identification:

Non-hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown ☐Radiological ☐

Sample Disposal:

Return to Client ☐Disposal by Lab ☐

Archive

(mos.)

1. Relinquished By
(Signature/Affiliation)

Date: 5/16/05
Time: 17001. Received By
(Signature/Affiliation)

Date: 5/17/05
Time: 09402. Relinquished By
(Signature/Affiliation)Date:
Time:2. Received By
(Signature/Affiliation)Date:
Time:3. Relinquished By
(Signature/Affiliation)Date:
Time:3. Received By
(Signature/Affiliation)Date:
Time:

Comments:

CLC sealed
Sub unit
Cooler Temp 3
b9

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	File	CID	Condition On Receipt
051405-ER	29WW10-WA-051405-ER-ER	14 MAY 2005	08:50	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL887	
29WW08-MAY05	29WW08-GW-29WW08-MAY05-REG	14 MAY 2005	09:50	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL887	
29WW11-MAY05	29WW11-GW-29WW11-MAY05-REG	14 MAY 2005	10:53	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL887	
29WW117-MAY05	29WW117-GW-29WW117-MAY05-REG	14 MAY 2005	09:25	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL887	
29WW25-MAY05	29WW25-GW-29WW25-MAY05-REG	14 MAY 2005	10:00	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL887	

Login: L0505343

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 5

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505343-01 133469 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:02	BRG	
2	PREP	W1	EXT	18-MAY-2005 11:22	CEB	BRG
3	DISP	EXT	DISP	19-MAY-2005 09:23	BRG	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:02	BRG	
2	STORE	W1	A1	18-MAY-2005 15:56	CEB	CEB

Samplenum **Container ID** **Products**

L0505343-02 133470 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:02	BRG	
2	PREP	W1	EXT	18-MAY-2005 11:22	CEB	BRG
3	DISP	EXT	DISP	19-MAY-2005 09:23	BRG	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:02	BRG	
2	STORE	W1	A1	18-MAY-2005 15:56	CEB	CEB

Samplenum **Container ID** **Products**

L0505343-03 133471 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:02	BRG	
2	PREP	W1	EXT	18-MAY-2005 11:22	CEB	BRG
3	DISP	EXT	DISP	19-MAY-2005 09:23	BRG	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:02	BRG	
2	STORE	W1	A1	18-MAY-2005 15:56	CEB	CEB

KEMRON Environmental Services
Internal Chain of Custody Report

00094422

Login: L0505343
Account: SHAW-ALLIANCE-798
Project: 798-LONGHORN
Samples: 5
Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505343-04 133472 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:02	BRG	
2	PREP	W1	EXT	18-MAY-2005 11:22	CEB	BRG
3	DISP	EXT	DISP	19-MAY-2005 09:23	BRG	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:02	BRG	
2	STORE	W1	A1	18-MAY-2005 15:56	CEB	CEB

Samplenum **Container ID** **Products**

L0505343-05 133473 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:02	BRG	
2	PREP	W1	EXT	18-MAY-2005 11:22	CEB	BRG
3	DISP	EXT	DISP	19-MAY-2005 09:23	BRG	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:02	BRG	
2	STORE	W1	A1	18-MAY-2005 15:56	CEB	CEB

SAMPLE RECEIPT FORM

00094423

Date: 5-17-05 Client: Shaw-LH

156 STARLITE DRIVE
MARIETTA, OH
45750
(740) 373-4071

Shipped By: () Fed-Ex ☒ UPS () DHL () KEMRON () Client () Other

Opened By: BLG

Logged By: BLG Login # L05 05343

IR Temp Gun: ☒ D () F

COOLER INFORMATION

Number	Cooler ID	Temp °C	Airbill#	COC#	Other
1	KL736	2	J1788255451	018	
2	KL1705	1	J1800104035	027	
3	KL744	3	J1800104044	026	
4	KL1564	4	J1788255415	022	
5	KL887	3	J1788255479	014	
6	KL1402	4	J1788255488	017	

Were all coolers sealed?

☒ Y N N/A

Were custody seals used on all coolers?

☒ Y N N/A

Were custody seals intact?

☒ Y N N/A

Was visible ice present?

☒ Y N N/A

Were all coolers in the temperature range of 2-6C? (>6C*)

Y ☒ N N/A

Were the samples frozen?*

Y ☒ N N/A

Were COC papers provided?

☒ Y N N/A

Were all sample containers intact?*

☒ Y N N/A

Were all sample labels intact?

☒ Y N N/A

Were all sample labels legible?*

☒ Y N N/A

Did all sample labels match the COC?*

☒ Y N N/A

Was the label information complete?*

☒ Y N N/A

Were the correct containers used?*

☒ Y N N/A

Were the correct preservatives added to water samples?*

Y N ☒ N/A

Was the pH tested on preserved water samples?

Y N ☒ N/A

Were pH ranges acceptable?*

Y N ☒ N/A

Was sufficient amount of sample provided?*

☒ Y N N/A

Were bubbles present in VOA samples?*

Y N ☒ N/A

Were COC's signed and dated?

☒ Y N N/A

Did samples arrive before hold time expired?*

☒ Y N N/A

Are discrepancy forms attached?

Y N ☒ N/A

*Requires a discrepancy form

Comments: _____

CRF #1

Revised 8/22/03



156 Starlite Drive, Marietta, OH 45750 • TEL 740-373-4071 • FAX 740-373-4835 • <http://www.kemron.com>

Laboratory Report Number: L0505344

Please find enclosed the analytical results for the samples you submitted to KEMRON Environmental Services.

Review and compilation of your report was completed by KEMRON's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact our team member noted in the Reviewed box below at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

Debra Elliott - Team Leader
delliott@kemron-lab.com

Amanda Fickiesen - Client Services Specialist
afickiesen@kemron-lab.com

Cheryl Koelsch - Team Chemist/Data Specialist
ckoelsch@kemron-lab.com

Annie Bock - Client Services Specialist
abock@kemron-lab.com

Stephanie Mossburg - Team Chemist/Data Specialist
smossburg@kemron-lab.com

Vicki Lauer - Client Services Specialist
vlauer@kemron-lab.com

Kathy Albertson - Team Chemist/Data Specialist
kalbertson@kemron-lab.com

Micalyn Harris - Team Chemist/Data Specialist
mharris@kemron-lab.com

This report was reviewed on May 24, 2005:

A handwritten signature in cursive script, reading "Stephanie Mossburg".

I certify that all test results meet all of the requirements of the NELAP standards and other applicable contract terms and conditions. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on an 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of KEMRON Environmental Services.

This report was certified on May 24, 2005:

A handwritten signature in cursive script, reading "David E. Vandenberg".

FL DOH NELAP ID: E87551

This report contains a total of 32 pages.

Protecting Our Environmental Future

LABORATORY REPORT

L0505344

00094425

05/24/05 19:50

Submitted By

KEMRON Environmental Services

156 Starlite Drive

Marietta , OH 45750

(740) 373 - 4071

For

Account Name: Shaw E & I, Inc.

ABB Lummus Building

3010 Briarpark

Houston, TX 77042

Attention: Diane Mever

Account Number: 307-ALLIANCE-798

Work ID: LONGHORN AAP

P.O. Number: 98696

Sample Summary

Client ID	Lab ID	Date Collected	Date Received
29WW118-MAY05	L0505344-01	15-MAY-05	17-MAY-05
29WW118-MAY05-MS	L0505344-02	15-MAY-05	17-MAY-05
29WW118-MAY05-MSD	L0505344-03	15-MAY-05	17-MAY-05
29WW12-MAY05	L0505344-04	15-MAY-05	17-MAY-05
29WW13-MAY05	L0505344-05	15-MAY-05	17-MAY-05

KEMRON ENVIRONMENTAL SERVICES
REPORT NARRATIVE

KEMRON Login No.: L0505344

CHAIN OF CUSTODY: The chain of custody number was LHAAP-018

SHIPMENT CONDITIONS: The chain of custody forms were received sealed in a cooler. The cooler temperature was 2 degrees C.

SAMPLE MANAGEMENT: All samples received were intact.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Approved: 17-MAY-05

<i>Stephanie Moseburg</i>

KEMRON ENVIRONMENTAL SERVICES
HPLC-EXPLOSIVE RESIDUES

KEMRON Login No.: L0505344

METHOD

Analysis: SW-846 8330

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds linear equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Matrix Spikes: The MS/MSD met all acceptance criteria.

SAMPLES

Surrogates: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Manual Integration Reason Codes

KEMRON laboratory management has identified four general cases with valid reasons supporting the use of manual integration techniques.

Reason #1: Data System Fails to Select Correct Peak

In some cases the chromatography system selects and integrates the "wrong peak". In this case the analyst must correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

'Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak.

This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is

incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

00094428

Reason #3: Improperly Integrated Isomers and/or coeluting compounds.

This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline

There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous

Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: RDC

Approved: 24-MAY-05



Report Number: L0505344

Report Date : May 24, 2005

00094429

Sample Number: L0505344-01
 Client ID: 29WW118-MAY05
 Matrix: Water
 Workgroup Number: WG189556
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/19/2005 08:00
 Cal Date: 05/10/2005 17:19
 Run Date: 05/22/2005 20:11
 File ID: 4L008173.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.02	0.255
1,3-Dinitrobenzene	99-65-0		U	1.02	0.255
2,4,6-Trinitrotoluene	118-96-7		U	1.02	0.255
2,4-Dinitrotoluene	121-14-2		U	1.02	0.255
2,6-Dinitrotoluene	606-20-2		U	1.02	0.255
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.02	0.255
2-Nitrotoluene	88-72-2		U	1.02	0.255
3-Nitrotoluene	99-08-1		U	1.02	0.255
4-Nitrotoluene	99-99-0		U	1.02	0.255
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.02	0.255
HMX	2691-41-0		U	1.02	0.255
Nitrobenzene	98-95-3		U	1.02	0.255
RDX	121-82-4		U	1.02	0.255
Tetryl	479-45-8		U	1.02	0.255
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	83.8	50	150		

U Not detected at or above adjusted sample detection limit

Sample Number: L0505344-02
 Client ID: 29WW118-MAY05-MS
 Matrix: Water
 Workgroup Number: WG189556
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/19/2005 08:00
 Cal Date: 05/10/2005 17:19
 Run Date: 05/22/2005 20:48
 File ID: 4L008174.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4	0.889	J	1.02	0.255
1,3-Dinitrobenzene	99-65-0	0.963	J	1.02	0.255
2,4,6-Trinitrotoluene	118-96-7	0.804	J	1.02	0.255
2,4-Dinitrotoluene	121-14-2	0.974	J	1.02	0.255
2,6-Dinitrotoluene	606-20-2	0.952	J	1.02	0.255
2-Amino-4,6-dinitrotoluene	35572-78-2	0.926	J	1.02	0.255
2-Nitrotoluene	88-72-2	1.08		1.02	0.255
3-Nitrotoluene	99-08-1	0.992	J	1.02	0.255
4-Nitrotoluene	99-99-0	1.03		1.02	0.255
4-Amino-2,6-dinitrotoluene	19406-51-0	0.885	J	1.02	0.255
HMX	2691-41-0	0.750	J	1.02	0.255
Nitrobenzene	98-95-3	0.925	J	1.02	0.255
RDX	121-82-4	0.848	J	1.02	0.255
Tetryl	479-45-8	0.718	J	1.02	0.255
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	80.7	50	150		

J The analyte was positively identified, but the quantitation was below the RL

Report Number: L0505344

Report Date : May 24, 2005

00094430

Sample Number: L0505344-03
 Client ID: 29WW118-MAY05-MSD
 Matrix: Water
 Workgroup Number: WG189556
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/19/2005 08:00
 Cal Date: 05/10/2005 17:19
 Run Date: 05/22/2005 21:25
 File ID: 4L008175.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4	0.885	J	1.02	0.255
1,3-Dinitrobenzene	99-65-0	0.962	J	1.02	0.255
2,4,6-Trinitrotoluene	118-96-7	0.781	J	1.02	0.255
2,4-Dinitrotoluene	121-14-2	0.934	J	1.02	0.255
2,6-Dinitrotoluene	606-20-2	0.923	J	1.02	0.255
2-Amino-4,6-dinitrotoluene	35572-78-2	0.916	J	1.02	0.255
2-Nitrotoluene	88-72-2	1.10		1.02	0.255
3-Nitrotoluene	99-08-1	0.956	J	1.02	0.255
4-Nitrotoluene	99-99-0	1.03		1.02	0.255
4-Amino-2,6-dinitrotoluene	19406-51-0	0.876	J	1.02	0.255
HMX	2691-41-0	0.790	J	1.02	0.255
Nitrobenzene	98-95-3	0.917	J	1.02	0.255
RDX	121-82-4	0.851	J	1.02	0.255
Tetryl	479-45-8	0.692	J	1.02	0.255
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	78.9	50	150		

J The analyte was positively identified, but the quantitation was below the RL

Sample Number: L0505344-04
 Client ID: 29WW12-MAY05
 Matrix: Water
 Workgroup Number: WG189556
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/19/2005 08:00
 Cal Date: 05/10/2005 17:19
 Run Date: 05/22/2005 22:02
 File ID: 4L008176.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.03	0.258
1,3-Dinitrobenzene	99-65-0		U	1.03	0.258
2,4,6-Trinitrotoluene	118-96-7		U	1.03	0.258
2,4-Dinitrotoluene	121-14-2		U	1.03	0.258
2,6-Dinitrotoluene	606-20-2		U	1.03	0.258
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.03	0.258
2-Nitrotoluene	88-72-2		U	1.03	0.258
3-Nitrotoluene	99-08-1		U	1.03	0.258
4-Nitrotoluene	99-99-0		U	1.03	0.258
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.03	0.258
HMX	2691-41-0		U	1.03	0.258
Nitrobenzene	98-95-3		U	1.03	0.258
RDX	121-82-4		U	1.03	0.258
Tetryl	479-45-8		U	1.03	0.258
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	76.0	50	150		

U Not detected at or above adjusted sample detection limit

Report Number: **L0505344**Report Date : **May 24, 2005****00094431**

Sample Number: **L0505344-05**
 Client ID: **29WW13-MAY05**
 Matrix: **Water**
 Workgroup Number: **WG189556**
 Collect Date: **15-MAY-05**
 Sample Tag: **01**

Prep Method: **3535**
 Analytical Method: **8330**
 Analyst: **RDC**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPLC4**
 Prep Date: **05/19/2005 08:00**
 Cal Date: **05/10/2005 17:19**
 Run Date: **05/22/2005 22:39**
 File ID: **4L008177.F**

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.00	0.250
1,3-Dinitrobenzene	99-65-0		U	1.00	0.250
2,4,6-Trinitrotoluene	118-96-7		U	1.00	0.250
2,4-Dinitrotoluene	121-14-2		U	1.00	0.250
2,6-Dinitrotoluene	606-20-2		U	1.00	0.250
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.00	0.250
2-Nitrotoluene	88-72-2		U	1.00	0.250
3-Nitrotoluene	99-08-1		U	1.00	0.250
4-Nitrotoluene	99-99-0		U	1.00	0.250
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.00	0.250
HMX	2691-41-0		U	1.00	0.250
Nitrobenzene	98-95-3		U	1.00	0.250
RDX	121-82-4		U	1.00	0.250
Tetryl	479-45-8		U	1.00	0.250
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	93.6	50	150		

U Not detected at or above adjusted sample detection limit

WORKGROUP SUMMARY BY METHOD

Analysis:Explosives

Extraction Method:3535

Workgroup:WG189353

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505344-01	29WW118-MAY05		05/19/05 08:00			SPE	CEB
L0505344-02	29WW118-MAY05-MS		05/19/05 08:00			SPE	CEB
L0505344-03	29WW118-MAY05-MSD		05/19/05 08:00			SPE	CEB
L0505344-04	29WW12-MAY05		05/19/05 08:00			SPE	CEB
L0505344-05	29WW13-MAY05		05/19/05 08:00			SPE	CEB

Analysis:Explosives

Analytical Method:8330

Workgroup:WG189556

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505344-01	29WW118-MAY05		05/19/05 08:00	05/22/05 20:11	01	HPLC4	RDC
L0505344-02	29WW118-MAY05-MS		05/19/05 08:00	05/22/05 20:48	01	HPLC4	RDC
L0505344-03	29WW118-MAY05-MSD		05/19/05 08:00	05/22/05 21:25	01	HPLC4	RDC
L0505344-04	29WW12-MAY05		05/19/05 08:00	05/22/05 22:02	01	HPLC4	RDC
L0505344-05	29WW13-MAY05		05/19/05 08:00	05/22/05 22:39	01	HPLC4	RDC

Kemron Environmental Services
Analyst Listing May 24, 2005

AJF - AMANDA J. FICKIESEN	ALB - ANNIE L. BOCK	ALT - ANN L. THAYER
BRG - BRENDA R. GREGORY	CAF - CHERYL A. FLOWERS	CAK - CHERYL A. KOELSCH
CEB - CHAD E. BARNES	CLC - CHRYS L. CRAWFORD	CLK - CARL L. KING
CLS - CARA L. STRICKLER	CLW - CHARISSA L. WINTERS	CM - CHARLIE MARTIN
CMS - CRYSTAL M. STEPHENS	CPD - CHAD P. DAVIS	CRC - CARLA R. COCHRAN
CSH - CHRIS S. HILL	DAS - DALLAS A. SULLIVAN	DD - DIANE M. DENNIS
DDE - DEBRA D. ELLIOTT	DEL - DON E. LIGHTFRITZ	DEV - DAVID E. VANDENBERG
DGB - DOUGLAS G. BUTCHER	DIH - DEANNA I. HESSON	DLB - DAVID L. BUMGARNER
DLP - DOROTHY L. PAYNE	DLR - DIANNA L. RAUCH	DP - DEANNA L. PIERSON
DR - DEANNA ROBERTS	DRB - DOUG R. BARNETT	DSM - DAVID S. MOSSOR
DST - DENNIS S. TEPE	ECL - ERIC C. LAWSON	ED - EMILY E. DECKER
HAV - HEMA VILASAGAR	JAL - JOHN A. LENT	JJG - JOHN J. GREUEY
JKT - JANE K. THOMPSON	JLS - JANICE L. SCHIMMEL	JWR - JOHN W. RICHARDS
JWS - JACK W. SHEAVES	JYH - JI Y. HU	KEB - KATHRYN E. BARNES
KHR - KIM H. RHODES	KRA - KATHY R. ALBERTSON	LKN - LINDA K. NEDEFF
LSA - LUCINDA S. ARNOLD	LSB - LESLIE S. BUCINA	MAH - MICALYN A. HARRIS
MDA - MICHAEL D. ALBERTSON	MDC - MICHAEL D. COCHRAN	MES - MARY E. SCHILLING
MKZ - MARILYN K. ZUMBRO	MLR - MARY L. ROCHOTTE	MLS - MICHAEL L. SCHIMMEL
MMB - MAREN M. BEERY	MSW - MATT S. WILSON	NJB - NATALIE J. BOOTH
OGT - OKEY G. TUCKER	PAS - PATRICK A. STREET	RB - ROBERT BUCHANAN
RDC - REBECCA D. CUTLIP	REK - ROBERT E. KYER	RWC - RODNEY W. CAMPBELL
SCM - SUSAN C. MOELLENDICK	SK - SANDRA KEENER	SLM - STEPHANIE L. MOSSBURG
SLP - SHERI L. PFALZGRAF	SMH - SHAUNA M. HYDE	TD - TIMOTHY DYSERT
TMM - TAMMY M. MORRIS	VC - VICKI COLLIER	VKL - VICKY K. LAUER

KEMRON Environmental Services, Inc.

List of Valid Qualifiers

May 24, 2005

These are KEMRON's standard report qualifiers:

B	Present in the method blank	NS	Not spiked
C	Confirmed by GC/MS	P	Concentration >40% difference between the two GC columns
CG	Confluent growth		
D	The analyte was quantified as a secondary dilution factor	QNS	Quantity not sufficient to perform analysis
DL	Surrogate or spike was diluted out	RA	Reanalysis confirms reported results
		RE	Reanalysis confirms sample matrix interference
E	Estimated concentration due to sample matrix interference	S	Analyzed by method of standard addition
FL	Free liquid	SMI	Sample matrix interference on surrogate
I	Semi-quantitative result, out of instrument calibration range	SP	Reported results are for spike compounds only
J	Present below normal reporting limit	TNTC	Too numerous to count
L	Sample reporting limits elevated due to matrix interference	U	Analyzed for but not detected
N	Tentatively Identified Compound (TIC)	W	Post-digestion spike for furnace AA out of control limits
NA	Not applicable	X	Exceeds regulatory limit
ND	Not detected at or above the reporting limit (RL)	Z	Can not be resolved from isomer.***
NF	Not found	+	Correlation coefficient for the MSA is less than 0.995
NFL	No free liquid	<	Less than
NI	Non-ignitable	>	Greater than
		*	Surrogate or spike compound out of range

*****Special Notes for Organic Analytes**

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound and are matrix dependent.

AFCEE Qualifiers

These are KEMRON's AFCEE Report Qualifiers

- J** The analyte was positively identified, the quantitation is an estimation.
- U** The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL
- F** The analyte was positively identified by the associated numerical value is below the RL
- R** The data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria
- B** The analyte was found in an associated blank, as well as in the sample
- M** The matrix effect was present
- S** To be applied to all field screening data
- T** Tentatively identified compound (using GC/MS)

Figure 1
Semi-Volatile GC Checklist

Run Date: 5-10-05
 Analyst: ECL
 Instrument: APLC4
 Method: 8330

Login no. Due Date Priority

05-084 need rerun

		Analyst	Peer
System Performance Check:	Endrin/DDT Breakdown		
Initial Calibration:	ICAL summary	✓	✓
	Linear or quadratic regression	✓	✓
	Alt Source Check	✓	✓
Continuing Calibration:	Continuing Calibration	✓	✓
	Ending standards	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD	✓	✓
Samples:	Quant Reports/Chromatograms	✓	✓
	Mass spectra		
	Surrogates	✓	✓
	Dilution runs		
	Confirmations	NA	
	Correct Factors	✓	✓
	Manual integrations	✓	✓
Data Package:	Run logs	✓	✓
	Bench sheets		
	Upload results		
	QC forms		
	Seedpak workgroups		
Client Data	Data scanned		
	Integrations digitally signed	✓	
	Level 2 pdf files		
	Level 3/Level x		
	Level 4 copies		
	Case narratives		
		Supervisor	
	Integrations digitally cosigned	✓	
	Corrective Action		
	Results Reporting/Data Qualifiers		
	Client Data/digital signatures		
	Check for Completeness	✓	
	Check for compliance with method and project requirements	✓	
	Check the reasonableness of results	✓	

✓ = Checked & OK

NA = Not Applicable

Primary Reviewer:

ECL 5-11-05

Secondary Reviewer:

Robert Hester

Comments:

Semi-Volatile HPLC Checklist

Run Date: 22-MAY-2005Analyst: RDCInstrument: HPLC4Method: 8330

Login no.	Due Date	Priority
05-344	24-May-05	F3
05-398	24-May-05	F3
05-400	24-May-05	F3

		Analyst	Peer
Initial Calibration:	ICAL summary		
	Linear or quadratic regression		
	Alt Source Check		
Continuing Calibration:	Continuing Calibration	✓	✓
	Ending Standards	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD	✓	✓
Samples:	Quant Reports/Chromatograms	✓	✓
	TCL Hits	✓	✓
	Surrogates	✓	✓
	Dilution runs		
	Confirmations		
	Correct Factors		
	Manual integrations	✓	✓
Data Package:	Run logs	✓	✓
	Bench sheets	✓	✓
	Upload results	✓	✓
	QC forms	✓	✓
	Seedpak workgroups	✓	✓
Client Data	Data scanned		
	Level 2 pdf files		
	Level 3/Level x		
	Level 4 copies		
	Case narratives		
	Integrations digitally signed	✓	
	Supervisor		
Corrective Action:			
Results Reporting/Data Qualifiers:		✓	
Client Data/digital signatures			
Check for Completeness:		✓	
Check for compliance with method and project requirements:		✓	
Check the reasonableness of results:		✓	

✓ = Checked & OK

NA = Not Applicable

Primary Reviewer: _____

Secondary Reviewer: _____

Comments: _____

05-398-03 & 05-400-01 need RR @ dil'n.

Organic QA/QC

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00094439

Analytical Method: 8330
Login Number: L0505344

AAB#: WG189556

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
29WW118-MAY05	05/15/05	05/17/05	05/19/05	7	3.94	05/22/05	40	3.51	
29WW118-MAY05-MS	05/15/05	05/17/05	05/19/05	7	3.94	05/22/05	40	3.53	
29WW118-MAY05-MSD	05/15/05	05/17/05	05/19/05	7	3.94	05/22/05	40	3.56	
29WW12-MAY05	05/15/05	05/17/05	05/19/05	7	3.95	05/22/05	40	3.59	
29WW13-MAY05	05/15/05	05/17/05	05/19/05	7	3.95	05/22/05	40	3.61	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

SURROGATE STANDARDS

Login Number: L0505344
Instrument Id: HPLC4
Workgroup (AAB#): WG189556

Method: 8330
CAL ID: HPLC4 - 10-MAY-05
Matrix: WATER

Sample Number	Dilution	Tag	1
L0505344-01	1.00	01	83.8
L0505344-02	1.00	01	80.7
L0505344-03	1.00	01	78.9
L0505344-04	1.00	01	76.0
L0505344-05	1.00	01	93.6
WG189353-02	1.00	01	90.2
WG189353-03	1.00	01	101

Surrogates	Surrogate Limits
1 - 3,4-Dinitrotoluene	50 - 150

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

Login Number: L0505344
Blank File ID: 4L008171.F
Date Analyzed: 05/22/05
Time Analyzed: 18:56
Analyst: RDC

Work Group: WG189556
Blank Sample ID: WG189353-02
Instrument ID: HPLC4
Method: 8330

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG189353-03	4L008172.F	05/22/05 19:33	01
29WW118-MAY05	L0505344-01	4L008173.F	05/22/05 20:11	01
29WW118-MAY05-MS	L0505344-02	4L008174.F	05/22/05 20:48	01
29WW118-MAY05-MSD	L0505344-03	4L008175.F	05/22/05 21:25	01
29WW12-MAY05	L0505344-04	4L008176.F	05/22/05 22:02	01
29WW13-MAY05	L0505344-05	4L008177.F	05/22/05 22:39	01

Login Number: L0505344 Run Date: 05/22/2005 Sample ID: WG189353-02
 Instrument ID: HPLC4 Run Time: 18:56 Prep Method: 3535
 File ID: 4L008171.F Analyst: RDC Method: 8330
 Workgroup (AAB#): WG189556 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPLC4-10-MAY-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
1,3,5-Trinitrobenzene	0.250	1.00	0.250	1	U
1,3-Dinitrobenzene	0.250	1.00	0.250	1	U
2,4,6-Trinitrotoluene	0.250	1.00	0.250	1	U
2,4-Dinitrotoluene	0.250	1.00	0.250	1	U
2,6-Dinitrotoluene	0.250	1.00	0.250	1	U
2-Amino-4,6-dinitrotoluene	0.250	1.00	0.250	1	U
2-Nitrotoluene	0.250	1.00	0.250	1	U
3-Nitrotoluene	0.250	1.00	0.250	1	U
4-Nitrotoluene	0.250	1.00	0.250	1	U
4-Amino-2,6-dinitrotoluene	0.250	1.00	0.250	1	U
HMX	0.250	1.00	0.250	1	U
Nitrobenzene	0.250	1.00	0.250	1	U
RDX	0.250	1.00	0.250	1	U
Tetryl	0.250	1.00	0.250	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
3,4-Dinitrotoluene	90.2	50 - 150	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

ND Analyte Not detected at or above reporting limit

Login Number: L0505344 Run Date: 05/22/2005 Sample ID: WG189353-03
 Instrument ID: HPLC4 Run Time: 19:33 Prep Method: 3535
 File ID: 4L008172.F Analyst: RDC Method: 8330
 Workgroup (AAB#): WG189556 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPLC4-10-MAY-2005

Analytes	Expected	Found	% Rec	LCS Limits	Q
1,3,5-Trinitrobenzene	1.00	0.848	84.8	58 - 120	
1,3-Dinitrobenzene	1.00	0.993	99.3	68 - 135	
2,4,6-Trinitrotoluene	1.00	0.886	88.6	27 - 137	
2,4-Dinitrotoluene	1.00	0.963	96.3	69 - 109	
2,6-Dinitrotoluene	1.00	0.983	98.3	55 - 121	
2-Amino-4,6-dinitrotoluene	1.00	0.997	99.7	72 - 112	
2-Nitrotoluene	1.00	0.973	97.3	67 - 121	
3-Nitrotoluene	1.00	0.971	97.1	66 - 110	
4-Nitrotoluene	1.00	0.950	95.0	68 - 110	
4-Amino-2,6-dinitrotoluene	1.00	1.01	101	74 - 116	
HMX	1.00	0.832	83.2	54 - 99	
Nitrobenzene	1.00	1.07	107	70 - 131	
RDX	1.00	0.788	78.8	60 - 116	
Tetryl	1.00	0.841	84.1	10 - 147	

Surrogates	% Recovery	Surrogate Limits	Qualifier
3,4-Dinitrotoluene	101	50 - 150	PASS

* FAILS %REC LIMIT

MS/MSD REPORT

00094444

Loginnum: L0505344 Cal ID: HPLC4 - 10-MAY-05 Worknum: WG189556
 Instrument ID: HPLC4 Contract #: DACA56-94-D-0020 Prep Method: 3535
 Parent ID: L0505344-01 File ID: 4L008173.F Dil: 1 Method: 8330
 Sample ID: L0505344-02 MS File ID: 4L008174.F Dil: 1 Matrix: Water
 Sample ID: L0505344-03 MSD File ID: 4L008175.F Dil: 1 Units: ug/L

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
1,3,5-Trinitrobenzene	ND	1.02	0.889	87.1	1.02	0.885	86.7	0.498	58 - 120	40	
1,3-Dinitrobenzene	ND	1.02	0.963	94.4	1.02	0.962	94.3	0.114	68 - 135	40	
2,4,6-Trinitrotoluene	ND	1.02	0.804	78.8	1.02	0.781	76.6	2.86	27 - 137	40	
2,4-Dinitrotoluene	ND	1.02	0.974	95.5	1.02	0.934	91.5	4.26	69 - 109	40	
2,6-Dinitrotoluene	ND	1.02	0.952	93.3	1.02	0.923	90.5	3.02	55 - 121	40	
2-Amino-4,6-dinitrotoluene	ND	1.02	0.926	90.7	1.02	0.916	89.8	1.04	72 - 112	40	
2-Nitrotoluene	ND	1.02	1.08	105	1.02	1.10	108	2.23	67 - 121	40	
3-Nitrotoluene	ND	1.02	0.992	97.2	1.02	0.956	93.7	3.68	66 - 110	40	
4-Nitrotoluene	ND	1.02	1.03	101	1.02	1.03	101	0.0414	68 - 110	40	
4-Amino-2,6-dinitrotoluene	ND	1.02	0.885	86.7	1.02	0.876	85.9	1.03	74 - 1196	40	
HMX	ND	1.02	0.750	73.5	1.02	0.790	77.4	5.23	54 - 99	40	
Nitrobenzene	ND	1.02	0.925	90.6	1.02	0.917	89.9	0.849	70 - 131	40	
RDX	ND	1.02	0.848	83.1	1.02	0.851	83.4	0.396	60 - 116	40	
Tetryl	ND	1.02	0.718	70.4	1.02	0.692	67.8	3.67	10 - 147	40	

* FAILS %REC LIMIT

FAILS RPD LIMIT

Login Number: L0505344
Analytical Method: 8330
ICAL Workgroup: WG188649

Instrument ID: HPLC4
Initial Calibration Date: 10-MAY-05

Analyte		AVG RF	% RSD	R2	QUAD
1,3,5-Trinitrobenzene		2.337	3.55		
1,3-Dinitrobenzene		1.680	2.16		
2,4,6-Trinitrotoluene		2.420	2.92		
2,4-Dinitrotoluene		2.053	1.99		
2,6-Dinitrotoluene		3.328	2.02		
2-Amino-4,6-Dinitrotoluene		2.838	1.80		
2-Nitrotoluene		5.137	10.8		
3-Nitrotoluene		4.488	9.41		
4-Amino-2,6-Dinitrotoluene		4.191	5.77		
4-Nitrotoluene		6.412	14.3		
HMX		6.434	6.84		
Nitrobenzene		2.624	2.59		
RDX		5.492	5.79		
Tetryl		3.326	4.67		
3,4-Dinitrotoluene		4.439	1.93		

Login Number: L0505344
 Analytical Method: 8330

Instrument ID: HPLC4
 Initial Calibration Date: 10-MAY-05

Analyte	WG188649-01			WG188649-02		
	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	1000	446.747985839 844	2.238	500	217.363265991 211	2.300
1,3-Dinitrobenzene	1000	610.393554687 5	1.638	500	297.770141601 562	1.679
2,4,6-Trinitrotoluene	1000	423.587219238 281	2.361	500	205.149398803 711	2.437
2,4-Dinitrotoluene	1000	491.474548339 844	2.035	500	241.727981567 383	2.068
2,6-Dinitrotoluene	1000	306.740966796 875	3.260	500	150.109741210 938	3.331
2-Amino-4,6-Dinitrotoluene	1000	356.675018310 547	2.804	500	174.739929199 219	2.861
2-Nitrotoluene	1000	217.673385620 117	4.594	500	106.485511779 785	4.695
3-Nitrotoluene	1000	241.557525634 766	4.140	500	119.209320068 359	4.194
4-Amino-2,6-Dinitrotoluene	1000	245.562728881 836	4.072	500	121.182357788 086	4.126
4-Nitrotoluene	1000	176.280899047 852	5.673	500	86.6534042358 398	5.770
HMX	1000	167.391983032 227	5.974	500	83.7672042846 68	5.969
Nitrobenzene	1000	391.546417236 328	2.554	500	190.168502807 617	2.629
RDX	1000	197.137145996 094	5.073	500	95.2293777465 82	5.250
Tetryl	1000	302.889862060 547	3.302	500	148.361892700 195	3.370
3,4-Dinitrotoluene	1000	228.897964477 539	4.369	500	111.949325561 523	4.466

Login Number: L0505344
 Analytical Method: 8330

Instrument ID: HPLC4
 Initial Calibration Date: 10-MAY-05

Analyte	WG188649-03			WG188649-04		
	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	100	43.9480476379 395	2.275	50.0	20.9770450592 041	2.384
1,3-Dinitrobenzene	100	61.0492401123 047	1.638	50.0	29.0301837921 143	1.722
2,4,6-Trinitrotoluene	100	42.4625701904 297	2.355	50.0	19.8592967987 061	2.518
2,4-Dinitrotoluene	100	49.4773139953 613	2.021	50.0	23.4665546417 236	2.131
2,6-Dinitrotoluene	100	30.5008087158 203	3.279	50.0	14.5424079895 02	3.438
2-Amino-4,6-Dinitrotoluene	100	35.8206291198 73	2.792	50.0	17.3286323547 363	2.885
2-Nitrotoluene	100	21.1161098480 225	4.736	50.0	9.81066989898 682	5.096
3-Nitrotoluene	100	22.8780727386 475	4.371	50.0	10.5555210113 525	4.737
4-Amino-2,6-Dinitrotoluene	100	24.9738521575 928	4.004	50.0	11.9111776351 929	4.198
4-Nitrotoluene	100	16.7205638885 498	5.981	50.0	7.19282722473 145	6.951
HMX	100	16.1851272583 008	6.179	50.0	7.32371282577 515	6.827
Nitrobenzene	100	39.1169166564 941	2.556	50.0	18.6831703186 035	2.676
RDX	100	18.7005863189 697	5.347	50.0	8.75935649871 826	5.708
Tetryl	100	30.3004760742 188	3.300	50.0	14.2716827392 578	3.503
3,4-Dinitrotoluene	100	23.1127471923 828	4.327	50.0	11.2356529235 84	4.450

Login Number: L0505344
 Analytical Method: 8330

Instrument ID: HPLC4
 Initial Calibration Date: 10-MAY-05

Analyte	WG188649-05			WG188649-06		
	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	25.0	10.6327896118 164	2.351	10.0	4.04599857330 322	2.472
1,3-Dinitrobenzene	25.0	14.5816869735 718	1.714	10.0	5.93036365509 033	1.686
2,4,6-Trinitrotoluene	25.0	10.5805749893 188	2.363	10.0	4.02031326293 945	2.487
2,4-Dinitrotoluene	25.0	12.3679714202 881	2.021	10.0	4.89648914337 158	2.042
2,6-Dinitrotoluene	25.0	7.61175775527 954	3.284	10.0	2.96465897560 12	3.373
2-Amino-4,6-Dinitrotoluene	25.0	8.97884654998 779	2.784	10.0	3.44587087631 226	2.902
2-Nitrotoluene	25.0	4.36431169509 888	5.728	10.0	1.67381870746 613	5.974
3-Nitrotoluene	25.0	5.99579048156 738	4.170	10.0	1.88199961185 455	5.313
4-Amino-2,6-Dinitrotoluene	25.0	6.19186067581 177	4.038	10.0	2.12365388870 239	4.709
4-Nitrotoluene	25.0	4.35747051239 014	5.737	10.0	1.19627869129 181	8.359
HMX	25.0	3.66805291175 842	6.816	10.0	1.46236836910 248	6.838
Nitrobenzene	25.0	9.61166191101 074	2.601	10.0	3.66661310195 923	2.727
RDX	25.0	4.40615510940 552	5.674	10.0	1.69513332843 781	5.899
Tetryl	25.0	7.30986118316 65	3.420	10.0	3.26436543464 661	3.063
3,4-Dinitrotoluene	25.0	5.61809825897 217	4.450	10.0	2.18606066703 796	4.574

KEMRON Environmental Services
ALTERNATE SOURCE CALIBRATION REPORT

00094449

Login Number: L0505344 Run Date: 05/10/2005 Sample ID: WG188649-07
Instrument ID: HPLC4 Run Time: 17:56 Method: 8330
File ID: 4L007976.F Analyst: 833
ICal Workgroup: WG188649 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	52.7	2.25	5.5	ug/L	
1,3-Dinitrobenzene	50	51.8	1.65	3.5	ug/L	
2,4,6-Trinitrotoluene	50	55.3	2.23	10.5	ug/L	
2,4-Dinitrotoluene	50	57.0	1.82	14.1	ug/L	
2,6-Dinitrotoluene	50	54.6	3.10	9.2	ug/L	
2-Amino-4,6-Dinitrotoluene	50	55.1	2.61	10.2	ug/L	
2-Nitrotoluene	50	48.3	5.26	3.3	ug/L	
3-Nitrotoluene	50	51.2	4.38	2.4	ug/L	
4-Nitrotoluene	50	45.1	7.07	9.7	ug/L	
4-Amino-2,6-Dinitrotoluene	50	56.1	3.69	12.2	ug/L	
HMX	50	50.6	6.30	1.2	ug/L	
Nitrobenzene	50	51.9	2.58	3.8	ug/L	
RDX	50	54.4	5.15	8.7	ug/L	
Tetryl	50	55.1	3.09	10.2	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094450

Login Number: L0505344 Run Date: 05/22/2005 Sample ID: WG189555-01
Instrument ID: HPLC4 Run Time: 18:19 Method: 8330
File ID: 4L008170.F Analyst: RDC
Workgroup (AAB#): WG189556 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	51.1	2.33	2.1	ug/L	
1,3-Dinitrobenzene	50	52.4	1.63	4.7	ug/L	
2,4,6-Trinitrotoluene	50	55.0	2.24	10.1	ug/L	
2,4-Dinitrotoluene	50	53.2	1.96	6.4	ug/L	
2,6-Dinitrotoluene	50	53.1	3.19	6.2	ug/L	
2-Amino-4,6-Dinitrotoluene	50	52.2	2.76	4.3	ug/L	
2-Nitrotoluene	50	52.6	4.79	5.2	ug/L	
3-Nitrotoluene	50	50.0	4.49	.1	ug/L	
4-Nitrotoluene	50	54.3	5.76	8.5	ug/L	
4-Amino-2,6-Dinitrotoluene	50	50.7	4.09	1.5	ug/L	
HMX	50	49.8	6.42	.5	ug/L	
Nitrobenzene	50	53.7	2.49	7.3	ug/L	
RDX	50	52.9	5.31	5.8	ug/L	
Tetryl	50	44.2	3.88	11.5	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094451

Login Number: L0505344 Run Date: 05/23/2005 Sample ID: WG189555-02
Instrument ID: HPLC4 Run Time: 01:08 Method: 8330
File ID: 4L008181.F Analyst: RDC
Workgroup (AAB#): WG189556 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	51.7	2.30	3.4	ug/L	
1,3-Dinitrobenzene	50	51.9	1.65	3.9	ug/L	
2,4,6-Trinitrotoluene	50	53.1	2.33	6.2	ug/L	
2,4-Dinitrotoluene	50	52.1	2.00	4.3	ug/L	
2,6-Dinitrotoluene	50	50.7	3.34	1.4	ug/L	
2-Amino-4,6-Dinitrotoluene	50	53.0	2.71	6	ug/L	
2-Nitrotoluene	50	53.2	4.73	6.5	ug/L	
3-Nitrotoluene	50	48.3	4.66	3.3	ug/L	
4-Nitrotoluene	50	48.8	6.47	2.3	ug/L	
4-Amino-2,6-Dinitrotoluene	50	52.1	3.98	4.2	ug/L	
HMX	50	51.5	6.18	3.1	ug/L	
Nitrobenzene	50	53.8	2.48	7.6	ug/L	
RDX	50	52.0	5.42	4	ug/L	
Tetryl	50	44.8	3.83	10.5	ug/L	

* Exceeds %D Limit



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: LHAAP-018

Page 1 of 1

Project Number: 845714

Samples Shipment Date: 16 MAY 2005

Bill To: Diane Meyer

Project Name: Longhorn Army Ammunition Plant Lab Destination: Kemron Lab

3010 Briarpark Drive

Houston

TX 77042

Sample Coordinator: Phil Conley

Lab Contact: Stephanie Mossburg

Report To: Diane Meyer

3010 Briarpark Drive

Houston

TX 77042

Turnaround Time:

Project Contact: Diane Meyer

Carrier/Waybill No.: Fed Ex/J178 825 545 1

Special Instructions:

Possible Hazard Identification:

Non-hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown ☐Radiological ☐

Sample Disposal:

Return to Client ☐Disposal by Lab ☐

Archive

(mos.)

1. Relinquished By
(Signature/Affiliation)Date: 5/16/05
Time: 17001. Received By
(Signature/Affiliation)Brenda Gregory
KemronDate: 5/17/05
Time: 09402. Relinquished By
(Signature/Affiliation)Date:
Time:2. Received By
(Signature/Affiliation)Date:
Time:3. Relinquished By
(Signature/Affiliation)Date:
Time:3. Received By
(Signature/Affiliation)Date:
Time:

Comments:

clc sealed
sp intact
cooler temp 2
b49

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	File	CID	Condition On Receipt
29WW118-MAY0118-GW-29WW118-MAY05-REG		15 MAY 2005	09:25	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL736	
29WW118-MAY0118-GW-29WW118-MAY05-MS-MS		15 MAY 2005	09:25	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL736	
29WW118-MAY0118-GW-29WW118-MAY05-MSD-MSD		15 MAY 2005	09:25	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL736	
29WW12-MAY0129WW12-GW-29WW12-MAY05-REG		15 MAY 2005	09:08	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL736	
29WW13-MAY0129WW13-GW-29WW13-MAY05-REG		15 MAY 2005	09:10	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL736	

Login: L0505344

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 5

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505344-01 133474 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:04	BRG	
2	PREP	W1	EXT	19-MAY-2005 07:03	CEB	BRG
3	DISP	EXT	DISP	20-MAY-2005 08:26	JKT	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:04	BRG	
2	STORE	W1	A1	20-MAY-2005 08:12	CEB	CEB

Samplenum **Container ID** **Products**

L0505344-02 133475 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:04	BRG	
2	PREP	W1	EXT	19-MAY-2005 07:03	CEB	BRG
3	DISP	EXT	DISP	20-MAY-2005 08:25	JKT	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:04	BRG	
2	STORE	W1	A1	20-MAY-2005 08:12	CEB	CEB

Samplenum **Container ID** **Products**

L0505344-03 133476 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:04	BRG	
2	PREP	W1	EXT	19-MAY-2005 07:03	CEB	BRG
3	DISP	EXT	DISP	20-MAY-2005 08:26	JKT	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:04	BRG	
2	STORE	W1	A1	20-MAY-2005 08:12	CEB	CEB

KEMRON Environmental Services
Internal Chain of Custody Report

00094454

Login: L0505344
Account: SHAW-ALLIANCE-798
Project: 798-LONGHORN
Samples: 5
Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505344-04 133477 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:04	BRG	
2	PREP	W1	EXT	19-MAY-2005 07:03	CEB	BRG
3	DISP	EXT	DISP	20-MAY-2005 08:25	JKT	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:04	BRG	
2	STORE	W1	A1	20-MAY-2005 08:12	CEB	CEB

Samplenum **Container ID** **Products**

L0505344-05 133478 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:04	BRG	
2	PREP	W1	EXT	19-MAY-2005 07:03	CEB	BRG
3	DISP	EXT	DISP	20-MAY-2005 08:25	JKT	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:04	BRG	
2	STORE	W1	A1	20-MAY-2005 08:12	CEB	CEB

SAMPLE RECEIPT FORM

00094455

Date: 5-17-05 Client: Shaw-LH
 Shipped By: () Fed-Ex ☒ UPS () DHL () KEMRON () Client () Other
 Opened By: BLG
 Logged By: BLG Login # L05 05344
 IR Temp Gun: ☒ D () F

156 STARLITE DRIVE
 MARIETTA, OH
 45750
 (740) 373-4071

COOLER INFORMATION

Number	Cooler ID	Temp °C	Airbill#	COC#	Other
1	KL136	2	J1788255451	018	
2	KL1705	1	J1800104035	027	
3	KL144	3	J1800104044	026	
4	KL1564	4	J1788255415	022	
5	KL887	3	J1788255479	016	
6	KL1402	4	J1788255488	017	

Were all coolers sealed? ☒ Y N N/A
 Were custody seals used on all coolers? ☒ Y N N/A
 Were custody seals intact? ☒ Y N N/A
 Was visible ice present? ☒ Y N N/A
 Were all coolers in the temperature range of 2-6C? (>6C*) Y ☒ N N/A
 Were the samples frozen?* Y ☒ N N/A
 Were COC papers provided? ☒ Y N N/A
 Were all sample containers intact?* ☒ Y N N/A
 Were all sample labels intact? ☒ Y N N/A
 Were all sample labels legible?* ☒ Y N N/A
 Did all sample labels match the COC?* Y N N/A
 Was the label information complete?* Y N N/A
 Were the correct containers used?* Y N N/A
 Were the correct preservatives added to water samples?* Y N N/A
 Was the pH tested on preserved water samples? Y N N/A
 Were pH ranges acceptable?* Y N N/A
 Was sufficient amount of sample provided?* Y N N/A
 Were bubbles present in VOA samples?* Y N N/A
 Were COC's signed and dated? Y N N/A
 Did samples arrive before hold time expired?* Y N N/A
 Are discrepancy forms attached? Y N N/A
 *Requires a discrepancy form

Comments: _____

CRF #1
 Revised 8/22/03



156 Starlite Drive, Marietta, OH 45750 • TEL 740-373-4071 • FAX 740-373-4835 • <http://www.kemron.com>

Laboratory Report Number: L0505345

Please find enclosed the analytical results for the samples you submitted to KEMRON Environmental Services.

Review and compilation of your report was completed by KEMRON's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact our team member noted in the Reviewed box below at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

Debra Elliott - Team Leader
delliott@kemron-lab.com

Amanda Fickiesen - Client Services Specialist
afickiesen@kemron-lab.com

Cheryl Koelsch - Team Chemist/Data Specialist
ckoelsch@kemron-lab.com

Annie Bock - Client Services Specialist
abock@kemron-lab.com

Stephanie Mossburg - Team Chemist/Data Specialist
smossburg@kemron-lab.com

Vicki Lauer - Client Services Specialist
vlauer@kemron-lab.com

Kathy Albertson - Team Chemist/Data Specialist
kalbertson@kemron-lab.com

Micalyn Harris - Team Chemist/Data Specialist
mharris@kemron-lab.com

This report was reviewed on May 24, 2005:

A handwritten signature in cursive script, reading "Stephanie Mossburg".

I certify that all test results meet all of the requirements of the NELAP standards and other applicable contract terms and conditions. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on an 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of KEMRON Environmental Services.

This report was certified on May 24, 2005:

A handwritten signature in cursive script, reading "David E. Vandenberg".

FL DOH NELAP ID: E87551

This report contains a total of 35 pages.

Protecting Our Environmental Future

LABORATORY REPORT

L0505345

00094457

05/24/05 19:51

Submitted By

KEMRON Environmental Services

156 Starlite Drive

Marietta , OH 45750

(740) 373 - 4071

For

Account Name: Shaw E & I, Inc.

ABB Lummus Building

3010 Briarpark

Houston, TX 77042

Attention: Diane Mever

Account Number: 307-ALLIANCE-798

Work ID: LONGHORN AAP

P.O. Number: 98696

Sample Summary

Client ID	Lab ID	Date Collected	Date Received
29WW10-MAY05	L0505345-01	16-MAY-05	17-MAY-05
29WW115-MAY05	L0505345-02	15-MAY-05	17-MAY-05
29WW19-MAY05	L0505345-03	15-MAY-05	17-MAY-05
29WW29-MAY05	L0505345-04	15-MAY-05	17-MAY-05
29WW34-MAY05	L0505345-05	16-MAY-05	17-MAY-05

KEMRON ENVIRONMENTAL SERVICES
REPORT NARRATIVE

KEMRON Login No.: L0505345

CHAIN OF CUSTODY: The chain of custody number was LHAAP-023

SHIPMENT CONDITIONS: The chain of custody forms were received sealed in a cooler. The cooler temperature was 4 degrees C.

SAMPLE MANAGEMENT: All samples received were intact.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Approved: 17-MAY-05

<i>Stephanie Moseburg</i>

KEMRON ENVIRONMENTAL SERVICES
HPLC-EXPLOSIVE RESIDUES

KEMRON Login No.: L0505345

METHOD

Analysis: SW-846 8330

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds linear equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Matrix Spikes: The MS/MSD results were not associated with this sample delivery group.

SAMPLES

Surrogates: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Manual Integration Reason Codes

KEMRON laboratory management has identified four general cases with valid reasons supporting the use of manual integration techniques.

Reason #1: Data System Fails to Select Correct Peak

In some cases the chromatography system selects and integrates the "wrong peak". In this case the analyst must correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

'Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak.

This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is

incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

00094460

Reason #3: Improperly Integrated Isomers and/or coeluting compounds.

This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline

There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous

Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: RDC

Approved: 24-MAY-05



Report Number: L0505345

Report Date : May 24, 2005

00094461

Sample Number: L0505345-01
 Client ID: 29WW10-MAY05
 Matrix: Water
 Workgroup Number: WG189638
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/18/2005 11:30
 Cal Date: 05/10/2005 17:19
 Run Date: 05/20/2005 04:21
 File ID: 4L008161.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.00	0.250
1,3-Dinitrobenzene	99-65-0		U	1.00	0.250
2,4,6-Trinitrotoluene	118-96-7		U	1.00	0.250
2,4-Dinitrotoluene	121-14-2		U	1.00	0.250
2,6-Dinitrotoluene	606-20-2		U	1.00	0.250
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.00	0.250
2-Nitrotoluene	88-72-2		U	1.00	0.250
3-Nitrotoluene	99-08-1		U	1.00	0.250
4-Nitrotoluene	99-99-0		U	1.00	0.250
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.00	0.250
HMX	2691-41-0		U	1.00	0.250
Nitrobenzene	98-95-3		U	1.00	0.250
RDX	121-82-4		U	1.00	0.250
Tetryl	479-45-8		U	1.00	0.250
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	103	50	150		

U Not detected at or above adjusted sample detection limit

Sample Number: L0505345-02
 Client ID: 29WW115-MAY05
 Matrix: Water
 Workgroup Number: WG189638
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/18/2005 11:30
 Cal Date: 05/10/2005 17:19
 Run Date: 05/20/2005 04:58
 File ID: 4L008162.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.00	0.250
1,3-Dinitrobenzene	99-65-0		U	1.00	0.250
2,4,6-Trinitrotoluene	118-96-7		U	1.00	0.250
2,4-Dinitrotoluene	121-14-2		U	1.00	0.250
2,6-Dinitrotoluene	606-20-2		U	1.00	0.250
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.00	0.250
2-Nitrotoluene	88-72-2		U	1.00	0.250
3-Nitrotoluene	99-08-1		U	1.00	0.250
4-Nitrotoluene	99-99-0		U	1.00	0.250
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.00	0.250
HMX	2691-41-0		U	1.00	0.250
Nitrobenzene	98-95-3		U	1.00	0.250
RDX	121-82-4		U	1.00	0.250
Tetryl	479-45-8		U	1.00	0.250
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	97.2	50	150		

U Not detected at or above adjusted sample detection limit

Report Number: L0505345

Report Date : May 24, 2005

00094462

Sample Number: L0505345-03
 Client ID: 29WW19-MAY05
 Matrix: Water
 Workgroup Number: WG189638
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/18/2005 11:30
 Cal Date: 05/10/2005 17:19
 Run Date: 05/20/2005 05:35
 File ID: 4L008163.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.00	0.250
1,3-Dinitrobenzene	99-65-0		U	1.00	0.250
2,4,6-Trinitrotoluene	118-96-7		U	1.00	0.250
2,4-Dinitrotoluene	121-14-2		U	1.00	0.250
2,6-Dinitrotoluene	606-20-2		U	1.00	0.250
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.00	0.250
2-Nitrotoluene	88-72-2		U	1.00	0.250
3-Nitrotoluene	99-08-1		U	1.00	0.250
4-Nitrotoluene	99-99-0		U	1.00	0.250
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.00	0.250
HMX	2691-41-0		U	1.00	0.250
Nitrobenzene	98-95-3		U	1.00	0.250
RDX	121-82-4		U	1.00	0.250
Tetryl	479-45-8		U	1.00	0.250
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	98.0	50	150		

U Not detected at or above adjusted sample detection limit

Sample Number: L0505345-04
 Client ID: 29WW29-MAY05
 Matrix: Water
 Workgroup Number: WG189638
 Collect Date: 15-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/18/2005 11:30
 Cal Date: 05/10/2005 17:19
 Run Date: 05/20/2005 06:50
 File ID: 4L008165.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.02	0.255
1,3-Dinitrobenzene	99-65-0		U	1.02	0.255
2,4,6-Trinitrotoluene	118-96-7		U	1.02	0.255
2,4-Dinitrotoluene	121-14-2		U	1.02	0.255
2,6-Dinitrotoluene	606-20-2		U	1.02	0.255
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.02	0.255
2-Nitrotoluene	88-72-2		U	1.02	0.255
3-Nitrotoluene	99-08-1		U	1.02	0.255
4-Nitrotoluene	99-99-0		U	1.02	0.255
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.02	0.255
HMX	2691-41-0		U	1.02	0.255
Nitrobenzene	98-95-3		U	1.02	0.255
RDX	121-82-4		U	1.02	0.255
Tetryl	479-45-8		U	1.02	0.255
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	91.8	50	150		

U Not detected at or above adjusted sample detection limit

Report Number: **L0505345**Report Date : **May 24, 2005****00094463**

Sample Number: **L0505345-05**
 Client ID: **29WW34-MAY05**
 Matrix: **Water**
 Workgroup Number: **WG189638**
 Collect Date: **16-MAY-05**
 Sample Tag: **01**

Prep Method: **3535**
 Analytical Method: **8330**
 Analyst: **RDC**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPLC4**
 Prep Date: **05/18/2005 11:30**
 Cal Date: **05/10/2005 17:19**
 Run Date: **05/20/2005 07:27**
 File ID: **4L008166.F**

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.00	0.250
1,3-Dinitrobenzene	99-65-0		U	1.00	0.250
2,4,6-Trinitrotoluene	118-96-7		U	1.00	0.250
2,4-Dinitrotoluene	121-14-2		U	1.00	0.250
2,6-Dinitrotoluene	606-20-2		U	1.00	0.250
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.00	0.250
2-Nitrotoluene	88-72-2	1.39		1.00	0.250
3-Nitrotoluene	99-08-1		U	1.00	0.250
4-Nitrotoluene	99-99-0		U	1.00	0.250
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.00	0.250
HMX	2691-41-0		U	1.00	0.250
Nitrobenzene	98-95-3		U	1.00	0.250
RDX	121-82-4		U	1.00	0.250
Tetryl	479-45-8		U	1.00	0.250
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	98.4	50	150		

U Not detected at or above adjusted sample detection limit

WORKGROUP SUMMARY BY METHOD

Analysis:Explosives

Extraction Method:3535

Workgroup:WG189252

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505345-01	29WW10-MAY05		05/18/05 11:30			SPE	CEB
L0505345-02	29WW115-MAY05		05/18/05 11:30			SPE	CEB
L0505345-03	29WW19-MAY05		05/18/05 11:30			SPE	CEB
L0505345-04	29WW29-MAY05		05/18/05 11:30			SPE	CEB
L0505345-05	29WW34-MAY05		05/18/05 11:30			SPE	CEB

Analysis:Explosives

Analytical Method:8330

Workgroup:WG189638

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505345-01	29WW10-MAY05		05/18/05 11:30	05/20/05 04:21	01	HPLC4	RDC
L0505345-02	29WW115-MAY05		05/18/05 11:30	05/20/05 04:58	01	HPLC4	RDC
L0505345-03	29WW19-MAY05		05/18/05 11:30	05/20/05 05:35	01	HPLC4	RDC
L0505345-04	29WW29-MAY05		05/18/05 11:30	05/20/05 06:50	01	HPLC4	RDC
L0505345-05	29WW34-MAY05		05/18/05 11:30	05/20/05 07:27	01	HPLC4	RDC

Kemron Environmental Services
Analyst Listing May 24, 2005

AJF - AMANDA J. FICKIESEN	ALB - ANNIE L. BOCK	ALT - ANN L. THAYER
BRG - BRENDA R. GREGORY	CAF - CHERYL A. FLOWERS	CAK - CHERYL A. KOELSCH
CEB - CHAD E. BARNES	CLC - CHRYS L. CRAWFORD	CLK - CARL L. KING
CLS - CARA L. STRICKLER	CLW - CHARISSA L. WINTERS	CM - CHARLIE MARTIN
CMS - CRYSTAL M. STEPHENS	CPD - CHAD P. DAVIS	CRC - CARLA R. COCHRAN
CSH - CHRIS S. HILL	DAS - DALLAS A. SULLIVAN	DD - DIANE M. DENNIS
DDE - DEBRA D. ELLIOTT	DEL - DON E. LIGHTFRITZ	DEV - DAVID E. VANDENBERG
DGB - DOUGLAS G. BUTCHER	DIH - DEANNA I. HESSON	DLB - DAVID L. BUMGARNER
DLP - DOROTHY L. PAYNE	DLR - DIANNA L. RAUCH	DP - DEANNA L. PIERSON
DR - DEANNA ROBERTS	DRB - DOUG R. BARNETT	DSM - DAVID S. MOSSOR
DST - DENNIS S. TEPE	ECL - ERIC C. LAWSON	ED - EMILY E. DECKER
HAV - HEMA VILASAGAR	JAL - JOHN A. LENT	JJG - JOHN J. GREUEY
JKT - JANE K. THOMPSON	JLS - JANICE L. SCHIMMEL	JWR - JOHN W. RICHARDS
JWS - JACK W. SHEAVES	JYH - JI Y. HU	KEB - KATHRYN E. BARNES
KHR - KIM H. RHODES	KRA - KATHY R. ALBERTSON	LKN - LINDA K. NEDEFF
LSA - LUCINDA S. ARNOLD	LSB - LESLIE S. BUCINA	MAH - MICALYN A. HARRIS
MDA - MICHAEL D. ALBERTSON	MDC - MICHAEL D. COCHRAN	MES - MARY E. SCHILLING
MKZ - MARILYN K. ZUMBRO	MLR - MARY L. ROCHOTTE	MLS - MICHAEL L. SCHIMMEL
MMB - MAREN M. BEERY	MSW - MATT S. WILSON	NJB - NATALIE J. BOOTH
OGT - OKEY G. TUCKER	PAS - PATRICK A. STREET	RB - ROBERT BUCHANAN
RDC - REBECCA D. CUTLIP	REK - ROBERT E. KYER	RWC - RODNEY W. CAMPBELL
SCM - SUSAN C. MOELLENDICK	SK - SANDRA KEENER	SLM - STEPHANIE L. MOSSBURG
SLP - SHERI L. PFALZGRAF	SMH - SHAUNA M. HYDE	TD - TIMOTHY DYSERT
TMM - TAMMY M. MORRIS	VC - VICKI COLLIER	VKL - VICKY K. LAUER

KEMRON Environmental Services, Inc.

List of Valid Qualifiers

May 24, 2005

These are KEMRON's standard report qualifiers:

B	Present in the method blank	NS	Not spiked
C	Confirmed by GC/MS	P	Concentration >40% difference between the two GC columns
CG	Confluent growth	QNS	Quantity not sufficient to perform analysis
D	The analyte was quantified as a secondary dilution factor	RA	Reanalysis confirms reported results
DL	Surrogate or spike was diluted out	RE	Reanalysis confirms sample matrix interference
E	Estimated concentration due to sample matrix interference	S	Analyzed by method of standard addition
FL	Free liquid	SMI	Sample matrix interference on surrogate
I	Semi-quantitative result, out of instrument calibration range	SP	Reported results are for spike compounds only
J	Present below normal reporting limit	TNTC	Too numerous to count
L	Sample reporting limits elevated due to matrix interference	U	Analyzed for but not detected
N	Tentatively Identified Compound (TIC)	W	Post-digestion spike for furnace AA out of control limits
NA	Not applicable	X	Exceeds regulatory limit
ND	Not detected at or above the reporting limit (RL)	Z	Can not be resolved from isomer.***
NF	Not found	+	Correlation coefficient for the MSA is less than 0.995
NFL	No free liquid	<	Less than
NI	Non-ignitable	>	Greater than
		*	Surrogate or spike compound out of range

*****Special Notes for Organic Analytes**

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound and are matrix dependent.

AFCEE Qualifiers

These are KEMRON's AFCEE Report Qualifiers

- J** The analyte was positively identified, the quantitation is an estimation.
- U** The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL
- F** The analyte was positively identified by the associated numerical value is below the RL
- R** The data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria
- B** The analyte was found in an associated blank, as well as in the sample
- M** The matrix effect was present
- S** To be applied to all field screening data
- T** Tentatively identified compound (using GC/MS)

Organic QA/QC

Figure 1
Semi-Volatile GC Checklist

Run Date: 5-10-05
 Analyst: ECL
 Instrument: HPLC4
 Method: 8330

Login no. Due Date Priority

05-084 need rerun

		Analyst	Peer
System Performance Check:	Endrin/DDT Breakdown		
Initial Calibration:	ICAL summary	✓	✓
	Linear or quadratic regression	✓	✓
	Alt Source Check	✓	✓
Continuing Calibration:	Continuing Calibration	✓	✓
	Ending standards	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD	✓	✓
Samples:	Quant Reports/Chromatograms	✓	✓
	Mass spectra		
	Surrogates	✓	✓
	Dilution runs		
	Confirmations	NA	
	Correct Factors	✓	✓
	Manual integrations	✓	✓
Data Package:	Run logs	✓	✓
	Bench sheets		
	Upload results		
	QC forms		
	Seedpak workgroups		
Client Data	Data scanned		
	Integrations digitally signed	✓	
	Level 2 pdf files		
	Level 3/Level x		
	Level 4 copies		
	Case narratives		
		Supervisor	
	Integrations digitally cosigned	✓	
	Corrective Action		
	Results Reporting/Data Qualifiers		
	Client Data/digital signatures		
	Check for Completeness	✓	
	Check for compliance with method and project requirements	✓	
	Check the reasonableness of results	✓	

✓ = Checked & OK

NA = Not Applicable

Primary Reviewer:

ECL 5-11-05

Secondary Reviewer:

Robert Hester

Comments:

Semi-Volatile HPLC Checklist

Run Date: 19-MAY-2005Analyst: RDCInstrument: HPLC4Method: 8330

Login no.	Due Date	Priority
05-342	24-May-05	F3
05-343	24-May-05	F3
05-345	24-May-05	F3

		Analyst	Peer
Initial Calibration:	ICAL summary		
	Linear or quadratic regression		
	Alt Source Check		
Continuing Calibration:	Continuing Calibration	✓	✓
	Ending Standards	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD	✓	✓
Samples:	Quant Reports/Chromatograms	✓	✓
	TCL Hits	✓	✓
	Surrogates	✓	✓
	Dilution runs		
	Confirmations		
	Correct Factors		
	Manual integrations	✓	✓
Data Package:	Run logs	✓	✓
	Bench sheets	✓	✓
	Upload results	✓	✓
	QC forms	✓	✓
	Seedpak workgroups	✓	✓
Client Data	Data scanned		
	Level 2 pdf files		
	Level 3/Level x		
	Level 4 copies		
	Case narratives		
	Integrations digitally signed	✓	
	Supervisor		
Corrective Action:		✓	
Results Reporting/Data Qualifiers:		✓	
Client Data/digital signatures			
Check for Completeness:		✓	
Check for compliance with method and project requirements:		✓	
Check the reasonableness of results:		✓	

✓ = Checked & OK

NA = Not Applicable

Primary Reviewer:

RDC 5/23/05

Secondary Reviewer:

mls/2/05

Comments: _____
 BLANK AND LCS WILL BE RR ALONG WITH
 8 OTHER SAMPLES DUE TO CCV FAILURE.

Semi-Volatile HPLC Checklist

Run Date: 23-MAY-2005Analyst: RDCInstrument: HPLC4Method: 8330

Login no.	Due Date	Priority
05-338	24-May-05	F3
05-341	24-May-05	F3
05-342	24-May-05	F3
05-398	24-May-05	F3
05-400	24-May-05	F3

		Analyst	Peer
Initial Calibration:	ICAL summary		
	Linear or quadratic regression		
	Alt Source Check		
Continuing Calibration:	Continuing Calibration	✓	✓
	Ending Standards	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD		
Samples:	Quant Reports/Chromatograms	✓	✓
	TCL Hits	✓	✓
	Surrogates	✓	✓
	Dilution runs		
	Confirmations		
	Correct Factors		
	Manual integrations	✓	✓
Data Package:	Run logs	✓	✓
	Bench sheets	✓	✓
	Upload results	✓	✓
	QC forms	✓	✓
	Seedpak workgroups	✓	✓
Client Data	Data scanned		
	Level 2 pdf files		
	Level 3/Level x		
	Level 4 copies		
	Case narratives		
	Integrations digitally signed	✓	
	Supervisor		
Corrective Action:			
Results Reporting/Data Qualifiers:		✓	
Client Data/digital signatures		✓	
Check for Completeness:		✓	
Check for compliance with method and project requirements:		✓	
Check the reasonableness of results:		✓	

Comments: _____

✓ = Checked & OK

NA = Not Applicable

Primary Reviewer: _____

Secondary Reviewer: _____

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00094472

Analytical Method: 8330
Login Number: L0505345

AAB#: WG189638

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
29WW10-MAY05	05/16/05	05/17/05	05/18/05	7	2.11	05/20/05	40	1.70	
29WW115-MAY05	05/15/05	05/17/05	05/18/05	7	2.93	05/20/05	40	1.73	
29WW19-MAY05	05/15/05	05/17/05	05/18/05	7	2.88	05/20/05	40	1.75	
29WW29-MAY05	05/15/05	05/17/05	05/18/05	7	2.98	05/20/05	40	1.81	
29WW34-MAY05	05/16/05	05/17/05	05/18/05	7	2.03	05/20/05	40	1.83	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

SURROGATE STANDARDS

Login Number: L0505345
Instrument Id: HPLC4
Workgroup (AAB#): WG189638

Method: 8330
CAL ID: HPLC4 - 10-MAY-05
Matrix: WATER

Sample Number	Dilution	Tag	1
L0505345-01	1.00	01	103
L0505345-02	1.00	01	97.2
L0505345-03	1.00	01	98.0
L0505345-04	1.00	01	91.8
L0505345-05	1.00	01	98.4
WG189252-02	1.00	01	95.9
WG189252-03	1.00	01	107

Surrogates	Surrogate Limits
1 - 3,4-Dinitrotoluene	50 - 150

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

Login Number: L0505345
Blank File ID: 4L008193.F
Date Analyzed: 05/23/05
Time Analyzed: 18:11
Analyst: RDC

Work Group: WG189638
Blank Sample ID: WG189252-02
Instrument ID: HPLC4
Method: 8330

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
29WW10-MAY05	L0505345-01	4L008161.F	05/20/05 04:21	01
29WW115-MAY05	L0505345-02	4L008162.F	05/20/05 04:58	01
29WW19-MAY05	L0505345-03	4L008163.F	05/20/05 05:35	01
29WW29-MAY05	L0505345-04	4L008165.F	05/20/05 06:50	01
29WW34-MAY05	L0505345-05	4L008166.F	05/20/05 07:27	01
LCS	WG189252-03	4L008194.F	05/23/05 18:49	01

Login Number: L0505345 Run Date: 05/23/2005 Sample ID: WG189252-02
 Instrument ID: HPLC4 Run Time: 18:11 Prep Method: 3535
 File ID: 4L008193.F Analyst: RDC Method: 8330
 Workgroup (AAB#): WG189638 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPLC4-10-MAY-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
1,3,5-Trinitrobenzene	0.250	1.00	0.250	1	U
1,3-Dinitrobenzene	0.250	1.00	0.250	1	U
2,4,6-Trinitrotoluene	0.250	1.00	0.250	1	U
2,4-Dinitrotoluene	0.250	1.00	0.250	1	U
2,6-Dinitrotoluene	0.250	1.00	0.250	1	U
2-Amino-4,6-dinitrotoluene	0.250	1.00	0.250	1	U
2-Nitrotoluene	0.250	1.00	0.250	1	U
3-Nitrotoluene	0.250	1.00	0.250	1	U
4-Nitrotoluene	0.250	1.00	0.250	1	U
4-Amino-2,6-dinitrotoluene	0.250	1.00	0.250	1	U
HMX	0.250	1.00	0.250	1	U
Nitrobenzene	0.250	1.00	0.250	1	U
RDX	0.250	1.00	0.250	1	U
Tetryl	0.250	1.00	0.250	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
3,4-Dinitrotoluene	95.9	50 - 150	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

ND Analyte Not detected at or above reporting limit

Login Number: L0505345 Run Date: 05/23/2005 Sample ID: WG189252-03
 Instrument ID: HPLC4 Run Time: 18:49 Prep Method: 3535
 File ID: 4L008194.F Analyst: RDC Method: 8330
 Workgroup (AAB#): WG189638 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPLC4-10-MAY-2005

Analytes	Expected	Found	% Rec	LCS Limits	Q
1,3,5-Trinitrobenzene	1.00	0.891	89.1	58 - 120	
1,3-Dinitrobenzene	1.00	0.986	98.6	68 - 135	
2,4,6-Trinitrotoluene	1.00	0.915	91.5	27 - 137	
2,4-Dinitrotoluene	1.00	1.02	102	69 - 109	
2,6-Dinitrotoluene	1.00	1.02	102	55 - 121	
2-Amino-4,6-dinitrotoluene	1.00	1.01	101	72 - 112	
2-Nitrotoluene	1.00	0.978	97.8	67 - 121	
3-Nitrotoluene	1.00	1.00	100	66 - 110	
4-Nitrotoluene	1.00	0.960	96.0	68 - 110	
4-Amino-2,6-dinitrotoluene	1.00	1.00	100	74 - 116	
HMX	1.00	0.770	77.0	54 - 99	
Nitrobenzene	1.00	1.05	105	70 - 131	
RDX	1.00	0.794	79.4	60 - 116	
Tetryl	1.00	0.819	81.9	10 - 147	

Surrogates	% Recovery	Surrogate Limits	Qualifier
3,4-Dinitrotoluene	107	50 - 150	PASS

* FAILS %REC LIMIT

Login Number: L0505345
Analytical Method: 8330
ICAL Workgroup: WG188649

Instrument ID: HPLC4
Initial Calibration Date: 10-MAY-05

Analyte		AVG RF	% RSD	R2	QUAD
1,3,5-Trinitrobenzene		2.337	3.55		
1,3-Dinitrobenzene		1.680	2.16		
2,4,6-Trinitrotoluene		2.420	2.92		
2,4-Dinitrotoluene		2.053	1.99		
2,6-Dinitrotoluene		3.328	2.02		
2-Amino-4,6-Dinitrotoluene		2.838	1.80		
2-Nitrotoluene		5.137	10.8		
3-Nitrotoluene		4.488	9.41		
4-Amino-2,6-Dinitrotoluene		4.191	5.77		
4-Nitrotoluene		6.412	14.3		
HMX		6.434	6.84		
Nitrobenzene		2.624	2.59		
RDX		5.492	5.79		
Tetryl		3.326	4.67		
3,4-Dinitrotoluene		4.439	1.93		

Login Number: L0505345
 Analytical Method: 8330

Instrument ID: HPLC4
 Initial Calibration Date: 10-MAY-05

Analyte	WG188649-01			WG188649-02		
	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	1000	446.747985839 844	2.238	500	217.363265991 211	2.300
1,3-Dinitrobenzene	1000	610.393554687 5	1.638	500	297.770141601 562	1.679
2,4,6-Trinitrotoluene	1000	423.587219238 281	2.361	500	205.149398803 711	2.437
2,4-Dinitrotoluene	1000	491.474548339 844	2.035	500	241.727981567 383	2.068
2,6-Dinitrotoluene	1000	306.740966796 875	3.260	500	150.109741210 938	3.331
2-Amino-4,6-Dinitrotoluene	1000	356.675018310 547	2.804	500	174.739929199 219	2.861
2-Nitrotoluene	1000	217.673385620 117	4.594	500	106.485511779 785	4.695
3-Nitrotoluene	1000	241.557525634 766	4.140	500	119.209320068 359	4.194
4-Amino-2,6-Dinitrotoluene	1000	245.562728881 836	4.072	500	121.182357788 086	4.126
4-Nitrotoluene	1000	176.280899047 852	5.673	500	86.6534042358 398	5.770
HMX	1000	167.391983032 227	5.974	500	83.7672042846 68	5.969
Nitrobenzene	1000	391.546417236 328	2.554	500	190.168502807 617	2.629
RDX	1000	197.137145996 094	5.073	500	95.2293777465 82	5.250
Tetryl	1000	302.889862060 547	3.302	500	148.361892700 195	3.370
3,4-Dinitrotoluene	1000	228.897964477 539	4.369	500	111.949325561 523	4.466

Login Number: L0505345
 Analytical Method: 8330

Instrument ID: HPLC4
 Initial Calibration Date: 10-MAY-05

Analyte	WG188649-03			WG188649-04		
	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	100	43.9480476379 395	2.275	50.0	20.9770450592 041	2.384
1,3-Dinitrobenzene	100	61.0492401123 047	1.638	50.0	29.0301837921 143	1.722
2,4,6-Trinitrotoluene	100	42.4625701904 297	2.355	50.0	19.8592967987 061	2.518
2,4-Dinitrotoluene	100	49.4773139953 613	2.021	50.0	23.4665546417 236	2.131
2,6-Dinitrotoluene	100	30.5008087158 203	3.279	50.0	14.5424079895 02	3.438
2-Amino-4,6-Dinitrotoluene	100	35.8206291198 73	2.792	50.0	17.3286323547 363	2.885
2-Nitrotoluene	100	21.1161098480 225	4.736	50.0	9.81066989898 682	5.096
3-Nitrotoluene	100	22.8780727386 475	4.371	50.0	10.5555210113 525	4.737
4-Amino-2,6-Dinitrotoluene	100	24.9738521575 928	4.004	50.0	11.9111776351 929	4.198
4-Nitrotoluene	100	16.7205638885 498	5.981	50.0	7.19282722473 145	6.951
HMX	100	16.1851272583 008	6.179	50.0	7.32371282577 515	6.827
Nitrobenzene	100	39.1169166564 941	2.556	50.0	18.6831703186 035	2.676
RDX	100	18.7005863189 697	5.347	50.0	8.75935649871 826	5.708
Tetryl	100	30.3004760742 188	3.300	50.0	14.2716827392 578	3.503
3,4-Dinitrotoluene	100	23.1127471923 828	4.327	50.0	11.2356529235 84	4.450

Login Number: L0505345
 Analytical Method: 8330

Instrument ID: HPLC4
 Initial Calibration Date: 10-MAY-05

Analyte	WG188649-05			WG188649-06		
	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	25.0	10.6327896118 164	2.351	10.0	4.04599857330 322	2.472
1,3-Dinitrobenzene	25.0	14.5816869735 718	1.714	10.0	5.93036365509 033	1.686
2,4,6-Trinitrotoluene	25.0	10.5805749893 188	2.363	10.0	4.02031326293 945	2.487
2,4-Dinitrotoluene	25.0	12.3679714202 881	2.021	10.0	4.89648914337 158	2.042
2,6-Dinitrotoluene	25.0	7.61175775527 954	3.284	10.0	2.96465897560 12	3.373
2-Amino-4,6-Dinitrotoluene	25.0	8.97884654998 779	2.784	10.0	3.44587087631 226	2.902
2-Nitrotoluene	25.0	4.36431169509 888	5.728	10.0	1.67381870746 613	5.974
3-Nitrotoluene	25.0	5.99579048156 738	4.170	10.0	1.88199961185 455	5.313
4-Amino-2,6-Dinitrotoluene	25.0	6.19186067581 177	4.038	10.0	2.12365388870 239	4.709
4-Nitrotoluene	25.0	4.35747051239 014	5.737	10.0	1.19627869129 181	8.359
HMX	25.0	3.66805291175 842	6.816	10.0	1.46236836910 248	6.838
Nitrobenzene	25.0	9.61166191101 074	2.601	10.0	3.66661310195 923	2.727
RDX	25.0	4.40615510940 552	5.674	10.0	1.69513332843 781	5.899
Tetryl	25.0	7.30986118316 65	3.420	10.0	3.26436543464 661	3.063
3,4-Dinitrotoluene	25.0	5.61809825897 217	4.450	10.0	2.18606066703 796	4.574

KEMRON Environmental Services
ALTERNATE SOURCE CALIBRATION REPORT

00094481

Login Number: L0505345 Run Date: 05/10/2005 Sample ID: WG188649-07
Instrument ID: HPLC4 Run Time: 17:56 Method: 8330
File ID: 4L007976.F Analyst: 833
ICal Workgroup: WG188649 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	52.7	2.25	5.5	ug/L	
1,3-Dinitrobenzene	50	51.8	1.65	3.5	ug/L	
2,4,6-Trinitrotoluene	50	55.3	2.23	10.5	ug/L	
2,4-Dinitrotoluene	50	57.0	1.82	14.1	ug/L	
2,6-Dinitrotoluene	50	54.6	3.10	9.2	ug/L	
2-Amino-4,6-Dinitrotoluene	50	55.1	2.61	10.2	ug/L	
2-Nitrotoluene	50	48.3	5.26	3.3	ug/L	
3-Nitrotoluene	50	51.2	4.38	2.4	ug/L	
4-Nitrotoluene	50	45.1	7.07	9.7	ug/L	
4-Amino-2,6-Dinitrotoluene	50	56.1	3.69	12.2	ug/L	
HMX	50	50.6	6.30	1.2	ug/L	
Nitrobenzene	50	51.9	2.58	3.8	ug/L	
RDX	50	54.4	5.15	8.7	ug/L	
Tetryl	50	55.1	3.09	10.2	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094482

Login Number: L0505345 Run Date: 05/19/2005 Sample ID: WG189404-02
Instrument ID: HPLC4 Run Time: 23:23 Method: 8330
File ID: 4L008153.F Analyst: RDC
Workgroup (AAB#): WG189638 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	52.4	2.26	4.8	ug/L	
1,3-Dinitrobenzene	50	52.6	1.62	5.3	ug/L	
2,4,6-Trinitrotoluene	50	54.4	2.27	8.9	ug/L	
2,4-Dinitrotoluene	50	51.8	2.01	3.7	ug/L	
2,6-Dinitrotoluene	50	52.6	3.22	5.3	ug/L	
2-Amino-4,6-Dinitrotoluene	50	52.2	2.75	4.4	ug/L	
2-Nitrotoluene	50	51.2	4.94	2.3	ug/L	
3-Nitrotoluene	50	50.5	4.44	.9	ug/L	
4-Nitrotoluene	50	51.2	6.14	2.5	ug/L	
4-Amino-2,6-Dinitrotoluene	50	52.5	3.95	4.9	ug/L	
HMX	50	53.3	5.96	6.6	ug/L	
Nitrobenzene	50	55.0	2.42	9.9	ug/L	
RDX	50	52.7	5.33	5.5	ug/L	
Tetryl	50	46.5	3.69	7.1	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094483

Login Number: L0505345 Run Date: 05/20/2005 Sample ID: WG189404-03
Instrument ID: HPLC4 Run Time: 06:13 Method: 8330
File ID: 4L008164.F Analyst: RDC
Workgroup (AAB#): WG189638 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	51.4	2.31	2.8	ug/L	
1,3-Dinitrobenzene	50	51.9	1.65	3.8	ug/L	
2,4,6-Trinitrotoluene	50	54.0	2.29	7.9	ug/L	
2,4-Dinitrotoluene	50	50.8	2.05	1.7	ug/L	
2,6-Dinitrotoluene	50	50.8	3.33	1.7	ug/L	
2-Amino-4,6-Dinitrotoluene	50	50.6	2.84	1.2	ug/L	
2-Nitrotoluene	50	49.9	5.08	.1	ug/L	
3-Nitrotoluene	50	51.9	4.31	3.9	ug/L	
4-Nitrotoluene	50	51.0	6.17	1.9	ug/L	
4-Amino-2,6-Dinitrotoluene	50	49.9	4.16	.3	ug/L	
HMX	50	50.5	6.31	1	ug/L	
Nitrobenzene	50	54.9	2.43	9.8	ug/L	
RDX	50	52.8	5.33	5.5	ug/L	
Tetryl	50	46.1	3.72	7.8	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094484

Login Number: L0505345 Run Date: 05/20/2005 Sample ID: WG189404-04
Instrument ID: HPLC4 Run Time: 08:04 Method: 8330
File ID: 4L008167.F Analyst: RDC
Workgroup (AAB#): WG189638 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	51.6	2.30	3.2	ug/L	
1,3-Dinitrobenzene	50	51.8	1.65	3.6	ug/L	
2,4,6-Trinitrotoluene	50	56.6	2.18	13.2	ug/L	
2,4-Dinitrotoluene	50	51.5	2.02	3.1	ug/L	
2,6-Dinitrotoluene	50	50.8	3.34	1.6	ug/L	
2-Amino-4,6-Dinitrotoluene	50	53.9	2.67	7.7	ug/L	
2-Nitrotoluene	50	55.1	4.55	10.3	ug/L	
3-Nitrotoluene	50	48.7	4.62	2.5	ug/L	
4-Nitrotoluene	50	52.8	5.93	5.6	ug/L	
4-Amino-2,6-Dinitrotoluene	50	53.1	3.90	6.1	ug/L	
HMX	50	52.1	6.10	4.3	ug/L	
Nitrobenzene	50	56.4	2.36	12.9	ug/L	
RDX	50	51.6	5.46	3.2	ug/L	
Tetryl	50	45.2	3.80	9.7	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094485

Login Number: L0505345 Run Date: 05/23/2005 Sample ID: WG189639-01
Instrument ID: HPLC4 Run Time: 17:24 Method: 8330
File ID: 4L008192.F Analyst: RDC
Workgroup (AAB#): WG189638 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	50.7	2.35	1.3	ug/L	
1,3-Dinitrobenzene	50	50.2	1.70	.4	ug/L	
2,4,6-Trinitrotoluene	50	50.0	2.48	0	ug/L	
2,4-Dinitrotoluene	50	50.2	2.07	.5	ug/L	
2,6-Dinitrotoluene	50	47.5	3.58	5	ug/L	
2-Amino-4,6-Dinitrotoluene	50	47.3	3.05	5.5	ug/L	
2-Nitrotoluene	50	48.3	5.26	3.3	ug/L	
3-Nitrotoluene	50	51.7	4.33	3.3	ug/L	
4-Nitrotoluene	50	47.0	6.76	6	ug/L	
4-Amino-2,6-Dinitrotoluene	50	53.7	3.86	7.4	ug/L	
HMX	50	48.5	6.59	3	ug/L	
Nitrobenzene	50	51.5	2.60	2.9	ug/L	
RDX	50	52.7	5.34	5.3	ug/L	
Tetryl	50	43.3	3.97	13.3	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094486

Login Number: L0505345 Run Date: 05/24/2005 Sample ID: WG189639-02
Instrument ID: HPLC4 Run Time: 00:24 Method: 8330
File ID: 4L008203.F Analyst: RDC
Workgroup (AAB#): WG189638 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	49.5	2.41	1	ug/L	
1,3-Dinitrobenzene	50	51.5	1.66	3.1	ug/L	
2,4,6-Trinitrotoluene	50	51.6	2.40	3.1	ug/L	
2,4-Dinitrotoluene	50	52.2	1.99	4.4	ug/L	
2,6-Dinitrotoluene	50	48.6	3.49	2.7	ug/L	
2-Amino-4,6-Dinitrotoluene	50	54.3	2.65	8.6	ug/L	
2-Nitrotoluene	50	47.7	5.34	4.7	ug/L	
3-Nitrotoluene	50	48.8	4.60	2.3	ug/L	
4-Nitrotoluene	50	43.4	7.38	13.1	ug/L	
4-Amino-2,6-Dinitrotoluene	50	56.7	3.65	13.3	ug/L	
HMX	50	49.5	6.45	.9	ug/L	
Nitrobenzene	50	57.0	2.34	14	ug/L	
RDX	50	50.3	5.62	.6	ug/L	
Tetryl	50	47.4	3.62	5.3	ug/L	

* Exceeds %D Limit



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: LHAAP-023

Page 1 of 1

Project Number: 845714

Samples Shipment Date: 15 MAY 2005

Bill To: Diane Meyer

Project Name: Longhorn Army Ammunition Plant Lab Destination: Kemron Lab

3010 Briarpark Drive

Houston

TX 77042

Sample Coordinator: Phil Conley

Lab Contact: Stephanie Mossburg

Report To: Diane Meyer

Turnaround Time:

Project Contact: Diane Meyer

3010 Briarpark Drive

Houston

TX 77042

Carrier/Waybill No.: UPS/J178 825 542 4

Special Instructions:

Possible Hazard Identification:

Non-hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown ☐Radiological ☐

Sample Disposal:

Return to Client ☐Disposal by Lab ☐

Archive

(mos.)

1. Relinquished By
(Signature/Affiliation)Date: 5/16/05
Time: 17001. Received By
(Signature/Affiliation)Date: 5/17/05
Time: 09402. Relinquished By
(Signature/Affiliation)Date:
Time:2. Received By
(Signature/Affiliation)Date:
Time:3. Relinquished By
(Signature/Affiliation)Date:
Time:3. Received By
(Signature/Affiliation)Date:
Time:

Comments:

c/c sealed
Sub intact
Cooler temp 4
by

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	File	CID	Condition On Receipt
29WW10-MAY05:29WW10-GW-29WW10-MAY05-REG		16 MAY 2005	08:58	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL157	
29WW115-MAY05:115-GW-29WW115-MAY05-REG		15 MAY 2005	13:05	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL157	
29WW19-MAY05:29WW19-GW-29WW19-MAY05-REG		15 MAY 2005	14:24	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL157	
29WW29-MAY05:29WW29-GW-29WW29-MAY05-REG		15 MAY 2005	12:00	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL157	
29WW34-MAY05:29WW34-GW-29WW34-MAY05-REG		16 MAY 2005	10:42	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL157	

Login: L0505345

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 5

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505345-01 133479 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:05	BRG	
2	PREP	W1	EXT	18-MAY-2005 11:22	CEB	BRG
3	DISP	EXT	DISP	19-MAY-2005 09:23	BRG	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:05	BRG	
2	STORE	W1	A1	18-MAY-2005 15:56	CEB	CEB

Samplenum **Container ID** **Products**

L0505345-02 133480 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:05	BRG	
2	PREP	W1	EXT	18-MAY-2005 11:22	CEB	BRG
3	DISP	EXT	DISP	19-MAY-2005 09:23	BRG	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:05	BRG	
2	STORE	W1	A1	18-MAY-2005 15:56	CEB	CEB

Samplenum **Container ID** **Products**

L0505345-03 133481 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:05	BRG	
2	PREP	W1	EXT	18-MAY-2005 11:22	CEB	BRG
3	DISP	EXT	DISP	19-MAY-2005 09:23	BRG	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:05	BRG	
2	STORE	W1	A1	18-MAY-2005 15:56	CEB	CEB

KEMRON Environmental Services
Internal Chain of Custody Report

00094489

Login: L0505345

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 5

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505345-04 133482 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:05	BRG	
2	PREP	W1	EXT	18-MAY-2005 11:22	CEB	BRG
3	DISP	EXT	DISP	19-MAY-2005 09:23	BRG	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:05	BRG	
2	STORE	W1	A1	18-MAY-2005 15:56	CEB	CEB

Samplenum **Container ID** **Products**

L0505345-05 133483 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:05	BRG	
2	PREP	W1	EXT	18-MAY-2005 11:22	CEB	BRG
3	DISP	EXT	DISP	19-MAY-2005 09:23	BRG	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:05	BRG	
2	STORE	W1	A1	18-MAY-2005 15:56	CEB	CEB

SAMPLE RECEIPT FORM

Date: 5-17-05 Client: ShAW-LH

Shipped By: () Fed-Ex (☒) UPS () DHL () KEMRON () Client () Other

Opened By: Bug

Logged By: Bug Login # L05 05345

IR Temp Gun: ☒ D () F

156 STARLITE DRIVE
MARIETTA, OH
45750
(740) 373-4071

COOLER INFORMATION

Number	Cooler ID	Temp °C	Airbill#	COC#	Other
1	KL1484	3	J1788255433	020	
2	KL1519	4	J1788255424	023	
3	KL1316	1	J1788255442	021	
4	KL1665	2	J1788255460	019	
5	KL1045	2	J1800104053	025	
6	KL1706	5	J1788255406	024	

Were all coolers sealed? Y N N/A

Were custody seals used on all coolers? Y N N/A

Were custody seals intact? Y N N/A

Was visible ice present? Y N N/A

Were all coolers in the temperature range of 2-6C? (>6C*) Y N N/A

Were the samples frozen?* Y N N/A

Were COC papers provided? Y N N/A

Were all sample containers intact?* Y N N/A

Were all sample labels intact? Y N N/A

Were all sample labels legible?* Y N N/A

Did all sample labels match the COC?* Y N N/A

Was the label information complete?* Y N N/A

Were the correct containers used?* Y N N/A

Were the correct preservatives added to water samples?* Y N N/A

Was the pH tested on preserved water samples? Y N N/A

Were pH ranges acceptable?* Y N N/A

Was sufficient amount of sample provided?* Y N N/A

Were bubbles present in VOA samples?* Y N N/A

Were COC's signed and dated? Y N N/A

Did samples arrive before hold time expired?* Y N N/A

Are discrepancy forms attached? Y N N/A

*Requires a discrepancy form

Comments: _____

CRF #1
Revised 8/22/03



156 Starlite Drive, Marietta, OH 45750 • TEL 740-373-4071 • FAX 740-373-4835 • <http://www.kemron.com>

Laboratory Report Number: L0505346

Please find enclosed the analytical results for the samples you submitted to KEMRON Environmental Services.

Review and compilation of your report was completed by KEMRON's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact our team member noted in the Reviewed box below at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

Debra Elliott - Team Leader
delliott@kemron-lab.com

Amanda Fickiesen - Client Services Specialist
afickiesen@kemron-lab.com

Cheryl Koelsch - Team Chemist/Data Specialist
ckoelsch@kemron-lab.com

Annie Bock - Client Services Specialist
abock@kemron-lab.com

Stephanie Mossburg - Team Chemist/Data Specialist
smossburg@kemron-lab.com

Vicki Lauer - Client Services Specialist
vlauer@kemron-lab.com

Kathy Albertson - Team Chemist/Data Specialist
kalbertson@kemron-lab.com

Micalyn Harris - Team Chemist/Data Specialist
mharris@kemron-lab.com

This report was reviewed on May 24, 2005:

A handwritten signature in cursive script, reading "Stephanie Mossburg".

I certify that all test results meet all of the requirements of the NELAP standards and other applicable contract terms and conditions. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on an 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of KEMRON Environmental Services.

This report was certified on May 24, 2005:

A handwritten signature in cursive script, reading "David E. Vandenberg".

FL DOH NELAP ID: E87551

This report contains a total of 36 pages.

Protecting Our Environmental Future

LABORATORY REPORT

L0505346

00094492

05/24/05 14:33

Submitted By

KEMRON Environmental Services

156 Starlite Drive

Marietta, OH 45750

(740) 373 - 4071

For

Account Name: Shaw E & I, Inc.

ABB Lummus Building

3010 Briarpark

Houston, TX 77042

Attention: Diane Mever

Account Number: 307-ALLIANCE-798

Work ID: LONGHORN AAP

P.O. Number: 98696

Sample Summary

Client ID	Lab ID	Date Collected	Date Received
051505-ER	L0505346-01	16-MAY-05	17-MAY-05
29WW05-MAY05	L0505346-02	16-MAY-05	17-MAY-05
29WW05-MAY05-D	L0505346-03	16-MAY-05	17-MAY-05
29WW09-MAY05	L0505346-04	15-MAY-05	17-MAY-05
29WW10-MAY05	L0505346-05	16-MAY-05	17-MAY-05
29WW115-MAY05	L0505346-06	15-MAY-05	17-MAY-05
29WW119-MAY05	L0505346-07	15-MAY-05	17-MAY-05
29WW15-MAY05	L0505346-08	16-MAY-05	17-MAY-05
29WW15-MAY05-D	L0505346-09	16-MAY-05	17-MAY-05
29WW16-MAY05	L0505346-10	16-MAY-05	17-MAY-05
29WW16-MAY05-D	L0505346-11	16-MAY-05	17-MAY-05
29WW17-MAY05	L0505346-12	16-MAY-05	17-MAY-05
29WW19-MAY05	L0505346-13	15-MAY-05	17-MAY-05
29WW21-MAY05	L0505346-14	16-MAY-05	17-MAY-05
29WW22-MAY05	L0505346-15	16-MAY-05	17-MAY-05
29WW23-MAY05	L0505346-16	15-MAY-05	17-MAY-05
29WW24-MAY05	L0505346-17	15-MAY-05	17-MAY-05
29WW24-MAY05-MS	L0505346-18	15-MAY-05	17-MAY-05
29WW24-MAY05-MSD	L0505346-19	15-MAY-05	17-MAY-05
29WW29-MAY05	L0505346-20	15-MAY-05	17-MAY-05
29WW34-MAY05	L0505346-21	16-MAY-05	17-MAY-05

KEMRON ENVIRONMENTAL SERVICES
REPORT NARRATIVE

KEMRON Login No.: L0505346

CHAIN OF CUSTODY: The chain of custody number was LHAAP-026.

SHIPMENT CONDITIONS: The chain of custody forms were received sealed in a cooler. The cooler temperature was 3 degrees C.

SAMPLE MANAGEMENT: All samples received were intact.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Approved: 17-MAY-05

<i>Stephanie Moseburg</i>

KEMRON ENVIRONMENTAL SERVICES
Perchlorate**KEMRON Login No.:** L0505346**METHOD****Analysis:** U.S. EPA 314.0**HOLDING TIMES****Sample Preparation:** All holding times were met**Sample Analysis:** All holding times were met**PREPARATION**

Several samples were diluted to get their conductivity within the limits of the method. The reporting limits are elevated accordingly.

CALIBRATION**Initial Calibration:** All acceptance criteria were met.**Alternate Source Standards:** All acceptance criteria were met.**Continuing Calibration:** All acceptance criteria were met.**BATCH QA/QC****Method Blank:** All acceptance criteria were met.**Laboratory Control Sample:** All acceptance criteria were met.**Matrix Spikes:** All acceptance criteria were met.**SAMPLES**

There were no technical difficulties with this sample group.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: JWR

Approved: 24-MAY-05

Report Number: **L0505346**Report Date : **May 24, 2005****00094495**

Sample Number: L0505346-01	Prep Method: 314.0	Instrument: IC1
Client ID: 051505-ER	Analytical Method: 314.0	Prep Date: 05/18/2005 19:00
Matrix: Water	Analyst: JWR	Cal Date: _____
Workgroup Number: WG189532	Dilution: 1	Run Date: 05/18/2005 19:00
Collect Date: 16-MAY-05	Units: ug/L	File ID: I1051805.25
Sample Tag: 01		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	1.00	0.500

U Not detected at or above adjusted sample detection limit

Sample Number: L0505346-02	Prep Method: 314.0	Instrument: IC1
Client ID: 29WW05-MAY05	Analytical Method: 314.0	Prep Date: 05/18/2005 19:20
Matrix: Water	Analyst: JWR	Cal Date: _____
Workgroup Number: WG189532	Dilution: 1	Run Date: 05/18/2005 19:20
Collect Date: 16-MAY-05	Units: ug/L	File ID: I1051805.26
Sample Tag: 01		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0	76.8		1.00	0.500

Sample Number: L0505346-03	Prep Method: 314.0	Instrument: IC1
Client ID: 29WW05-MAY05-D	Analytical Method: 314.0	Prep Date: 05/18/2005 19:41
Matrix: Water	Analyst: JWR	Cal Date: _____
Workgroup Number: WG189532	Dilution: 1	Run Date: 05/18/2005 19:41
Collect Date: 16-MAY-05	Units: ug/L	File ID: I1051805.27
Sample Tag: 01		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0	76.9		1.00	0.500

Sample Number: L0505346-04	Prep Method: 314.0	Instrument: IC1
Client ID: 29WW09-MAY05	Analytical Method: 314.0	Prep Date: 05/18/2005 20:01
Matrix: Water	Analyst: JWR	Cal Date: _____
Workgroup Number: WG189532	Dilution: 5	Run Date: 05/18/2005 20:01
Collect Date: 15-MAY-05	Units: ug/L	File ID: I1051805.28
Sample Tag: DL01		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	5.00	2.50

U Not detected at or above adjusted sample detection limit

Report Number: L0505346

Report Date : May 24, 2005

00094496

Sample Number: <u>L0505346-05</u>	Prep Method: <u>314.0</u>	Instrument: <u>IC1</u>
Client ID: <u>29WW10-MAY05</u>	Analytical Method: <u>314.0</u>	Prep Date: <u>05/18/2005 20:22</u>
Matrix: <u>Water</u>	Analyst: <u>JWR</u>	Cal Date: _____
Workgroup Number: <u>WG189532</u>	Dilution: <u>2</u>	Run Date: <u>05/18/2005 20:22</u>
Collect Date: <u>16-MAY-05</u>	Units: <u>ug/L</u>	File ID: <u>I1051805.29</u>
Sample Tag: <u>DL01</u>		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	2.00	1.00

U Not detected at or above adjusted sample detection limit

Sample Number: <u>L0505346-06</u>	Prep Method: <u>314.0</u>	Instrument: <u>IC1</u>
Client ID: <u>29WW115-MAY05</u>	Analytical Method: <u>314.0</u>	Prep Date: <u>05/18/2005 20:42</u>
Matrix: <u>Water</u>	Analyst: <u>JWR</u>	Cal Date: _____
Workgroup Number: <u>WG189532</u>	Dilution: <u>4</u>	Run Date: <u>05/18/2005 20:42</u>
Collect Date: <u>15-MAY-05</u>	Units: <u>ug/L</u>	File ID: <u>I1051805.30</u>
Sample Tag: <u>DL01</u>		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	4.00	2.00

U Not detected at or above adjusted sample detection limit

Sample Number: <u>L0505346-07</u>	Prep Method: <u>314.0</u>	Instrument: <u>IC1</u>
Client ID: <u>29WW119-MAY05</u>	Analytical Method: <u>314.0</u>	Prep Date: <u>05/18/2005 21:02</u>
Matrix: <u>Water</u>	Analyst: <u>JWR</u>	Cal Date: _____
Workgroup Number: <u>WG189532</u>	Dilution: <u>10</u>	Run Date: <u>05/18/2005 21:02</u>
Collect Date: <u>15-MAY-05</u>	Units: <u>ug/L</u>	File ID: <u>I1051805.31</u>
Sample Tag: <u>DL01</u>		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	10.0	5.00

U Not detected at or above adjusted sample detection limit

Sample Number: <u>L0505346-08</u>	Prep Method: <u>314.0</u>	Instrument: <u>IC1</u>
Client ID: <u>29WW15-MAY05</u>	Analytical Method: <u>314.0</u>	Prep Date: <u>05/19/2005 23:23</u>
Matrix: <u>Water</u>	Analyst: <u>JWR</u>	Cal Date: _____
Workgroup Number: <u>WG189533</u>	Dilution: <u>500</u>	Run Date: <u>05/19/2005 23:23</u>
Collect Date: <u>16-MAY-05</u>	Units: <u>ug/L</u>	File ID: <u>I1051905.37</u>
Sample Tag: <u>DL01</u>		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0	16800		500	250

Report Number: **L0505346**Report Date : **May 24, 2005****00094497**

Sample Number: L0505346-09	Prep Method: 314.0	Instrument: IC1
Client ID: 29WW15-MAY05-D	Analytical Method: 314.0	Prep Date: 05/19/2005 23:43
Matrix: Water	Analyst: JWR	Cal Date: _____
Workgroup Number: WG189533	Dilution: 500	Run Date: 05/19/2005 23:43
Collect Date: 16-MAY-05	Units: ug/L	File ID: I1051905.38
Sample Tag: DL01		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0	16700		500	250

Sample Number: L0505346-10	Prep Method: 314.0	Instrument: IC1
Client ID: 29WW16-MAY05	Analytical Method: 314.0	Prep Date: 05/19/2005 23:02
Matrix: Water	Analyst: JWR	Cal Date: _____
Workgroup Number: WG189533	Dilution: 2	Run Date: 05/19/2005 23:02
Collect Date: 16-MAY-05	Units: ug/L	File ID: I1051905.36
Sample Tag: DL01		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	2.00	1.00

U Not detected at or above adjusted sample detection limit

Sample Number: L0505346-11	Prep Method: 314.0	Instrument: IC1
Client ID: 29WW16-MAY05-D	Analytical Method: 314.0	Prep Date: 05/19/2005 16:55
Matrix: Water	Analyst: JWR	Cal Date: _____
Workgroup Number: WG189533	Dilution: 2	Run Date: 05/19/2005 16:55
Collect Date: 16-MAY-05	Units: ug/L	File ID: I1051905.18
Sample Tag: DL01		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	2.00	1.00

U Not detected at or above adjusted sample detection limit

Sample Number: L0505346-12	Prep Method: 314.0	Instrument: IC1
Client ID: 29WW17-MAY05	Analytical Method: 314.0	Prep Date: 05/19/2005 17:15
Matrix: Water	Analyst: JWR	Cal Date: _____
Workgroup Number: WG189533	Dilution: 2	Run Date: 05/19/2005 17:15
Collect Date: 16-MAY-05	Units: ug/L	File ID: I1051905.19
Sample Tag: DL01		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	2.00	1.00

U Not detected at or above adjusted sample detection limit

Report Number: **L0505346**Report Date : **May 24, 2005****00094498**

Sample Number: L0505346-13	Prep Method: 314.0	Instrument: IC1
Client ID: 29WW19-MAY05	Analytical Method: 314.0	Prep Date: 05/19/2005 17:36
Matrix: Water	Analyst: JWR	Cal Date: _____
Workgroup Number: WG189533	Dilution: 5	Run Date: 05/19/2005 17:36
Collect Date: 15-MAY-05	Units: ug/L	File ID: I1051905.20
Sample Tag: DL01		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	5.00	2.50

U Not detected at or above adjusted sample detection limit

Sample Number: L0505346-14	Prep Method: 314.0	Instrument: IC1
Client ID: 29WW21-MAY05	Analytical Method: 314.0	Prep Date: 05/19/2005 17:56
Matrix: Water	Analyst: JWR	Cal Date: _____
Workgroup Number: WG189533	Dilution: 1	Run Date: 05/19/2005 17:56
Collect Date: 16-MAY-05	Units: ug/L	File ID: I1051905.21
Sample Tag: 01		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	1.00	0.500

U Not detected at or above adjusted sample detection limit

Sample Number: L0505346-15	Prep Method: 314.0	Instrument: IC1
Client ID: 29WW22-MAY05	Analytical Method: 314.0	Prep Date: 05/19/2005 18:17
Matrix: Water	Analyst: JWR	Cal Date: _____
Workgroup Number: WG189533	Dilution: 2	Run Date: 05/19/2005 18:17
Collect Date: 16-MAY-05	Units: ug/L	File ID: I1051905.22
Sample Tag: DL01		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	2.00	1.00

U Not detected at or above adjusted sample detection limit

Sample Number: L0505346-16	Prep Method: 314.0	Instrument: IC1
Client ID: 29WW23-MAY05	Analytical Method: 314.0	Prep Date: 05/19/2005 18:37
Matrix: Water	Analyst: JWR	Cal Date: _____
Workgroup Number: WG189533	Dilution: 5	Run Date: 05/19/2005 18:37
Collect Date: 15-MAY-05	Units: ug/L	File ID: I1051905.23
Sample Tag: DL01		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	5.00	2.50

U Not detected at or above adjusted sample detection limit

Report Number: **L0505346**Report Date : **May 24, 2005****00094499**

Sample Number: L0505346-17	Prep Method: 314.0	Instrument: IC1
Client ID: 29WW24-MAY05	Analytical Method: 314.0	Prep Date: 05/19/2005 19:18
Matrix: Water	Analyst: JWR	Cal Date: _____
Workgroup Number: WG189533	Dilution: 1	Run Date: 05/19/2005 19:18
Collect Date: 15-MAY-05	Units: ug/L	File ID: I1051905.25
Sample Tag: 01		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	1.00	0.500

U Not detected at or above adjusted sample detection limit

Sample Number: L0505346-18	Prep Method: 314.0	Instrument: IC1
Client ID: 29WW24-MAY05-MS	Analytical Method: 314.0	Prep Date: 05/19/2005 19:59
Matrix: Water	Analyst: JWR	Cal Date: _____
Workgroup Number: WG189533	Dilution: 1	Run Date: 05/19/2005 19:59
Collect Date: 15-MAY-05	Units: ug/L	File ID: I1051905.27
Sample Tag: 01		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0	23.1		1.00	0.500

Sample Number: L0505346-19	Prep Method: 314.0	Instrument: IC1
Client ID: 29WW24-MAY05-MSD	Analytical Method: 314.0	Prep Date: 05/19/2005 20:19
Matrix: Water	Analyst: JWR	Cal Date: _____
Workgroup Number: WG189533	Dilution: 1	Run Date: 05/19/2005 20:19
Collect Date: 15-MAY-05	Units: ug/L	File ID: I1051905.28
Sample Tag: 01		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0	22.7		1.00	0.500

Sample Number: L0505346-20	Prep Method: 314.0	Instrument: IC1
Client ID: 29WW29-MAY05	Analytical Method: 314.0	Prep Date: 05/19/2005 20:39
Matrix: Water	Analyst: JWR	Cal Date: _____
Workgroup Number: WG189533	Dilution: 4	Run Date: 05/19/2005 20:39
Collect Date: 15-MAY-05	Units: ug/L	File ID: I1051905.29
Sample Tag: DL01		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	4.00	2.00

U Not detected at or above adjusted sample detection limit

Report Number: **L0505346**Report Date : **May 24, 2005****00094500**

Sample Number: L0505346-21	Prep Method: 314.0	Instrument: IC1
Client ID: 29WW34-MAY05	Analytical Method: 314.0	Prep Date: 05/19/2005 21:00
Matrix: Water	Analyst: JWR	Cal Date: _____
Workgroup Number: WG189533	Dilution: 1	Run Date: 05/19/2005 21:00
Collect Date: 16-MAY-05	Units: ug/L	File ID: I1051905.30
Sample Tag: 01		

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	1.00	0.500

U Not detected at or above adjusted sample detection limit

WORKGROUP SUMMARY BY METHOD

WORKGROUP SUMMARY BY METHOD

00094502

Analysis:Perchlorate

Analytical Method:314.0

Workgroup:WG189532

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505346-01	051505-ER			05/18/05 19:00	01	IC1	JWR
L0505346-02	29WW05-MAY05			05/18/05 19:20	01	IC1	JWR
L0505346-03	29WW05-MAY05-D			05/18/05 19:41	01	IC1	JWR
L0505346-04	29WW09-MAY05			05/18/05 20:01	DL01	IC1	JWR
L0505346-05	29WW10-MAY05			05/18/05 20:22	DL01	IC1	JWR
L0505346-06	29WW115-MAY05			05/18/05 20:42	DL01	IC1	JWR
L0505346-07	29WW119-MAY05			05/18/05 21:02	DL01	IC1	JWR

Analysis:Perchlorate

Extraction Method:314.0

Workgroup:WG189532

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505346-01	051505-ER		05/18/05 14:14			FILTER	JWR
L0505346-02	29WW05-MAY05		05/18/05 14:14			FILTER	JWR
L0505346-03	29WW05-MAY05-D		05/18/05 14:14			FILTER	JWR
L0505346-04	29WW09-MAY05		05/18/05 14:14			FILTER	JWR
L0505346-05	29WW10-MAY05		05/18/05 14:14			FILTER	JWR
L0505346-06	29WW115-MAY05		05/18/05 14:14			FILTER	JWR
L0505346-07	29WW119-MAY05		05/18/05 14:14			FILTER	JWR

Analysis:Perchlorate

Analytical Method:314.0

Workgroup:WG189533

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505346-08	29WW15-MAY05			05/19/05 23:23	DL01	IC1	JWR
L0505346-09	29WW15-MAY05-D			05/19/05 23:43	DL01	IC1	JWR
L0505346-10	29WW16-MAY05			05/19/05 23:02	DL01	IC1	JWR
L0505346-11	29WW16-MAY05-D			05/19/05 16:55	DL01	IC1	JWR
L0505346-12	29WW17-MAY05			05/19/05 17:15	DL01	IC1	JWR
L0505346-13	29WW19-MAY05			05/19/05 17:36	DL01	IC1	JWR
L0505346-14	29WW21-MAY05			05/19/05 17:56	01	IC1	JWR
L0505346-15	29WW22-MAY05			05/19/05 18:17	DL01	IC1	JWR
L0505346-16	29WW23-MAY05			05/19/05 18:37	DL01	IC1	JWR
L0505346-17	29WW24-MAY05			05/19/05 19:18	01	IC1	JWR
L0505346-18	29WW24-MAY05-MS			05/19/05 19:59	01	IC1	JWR
L0505346-19	29WW24-MAY05-MSD			05/19/05 20:19	01	IC1	JWR
L0505346-20	29WW29-MAY05			05/19/05 20:39	DL01	IC1	JWR
L0505346-21	29WW34-MAY05			05/19/05 21:00	01	IC1	JWR

Analysis:Perchlorate

Extraction Method:314.0

Workgroup:WG189533

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505346-08	29WW15-MAY05		05/19/05 14:32			FILTER	JWR
L0505346-09	29WW15-MAY05-D		05/19/05 14:32			FILTER	JWR
L0505346-10	29WW16-MAY05		05/19/05 14:32			FILTER	JWR
L0505346-11	29WW16-MAY05-D		05/19/05 14:32			FILTER	JWR
L0505346-12	29WW17-MAY05		05/19/05 14:32			FILTER	JWR
L0505346-13	29WW19-MAY05		05/19/05 14:32			FILTER	JWR
L0505346-14	29WW21-MAY05		05/19/05 14:32			FILTER	JWR
L0505346-15	29WW22-MAY05		05/19/05 14:32			FILTER	JWR
L0505346-16	29WW23-MAY05		05/19/05 14:32			FILTER	JWR
L0505346-17	29WW24-MAY05		05/19/05 14:32			FILTER	JWR
L0505346-18	29WW24-MAY05-MS		05/19/05 14:32			FILTER	JWR
L0505346-19	29WW24-MAY05-MSD		05/19/05 14:32			FILTER	JWR
L0505346-20	29WW29-MAY05		05/19/05 14:32			FILTER	JWR
L0505346-21	29WW34-MAY05		05/19/05 14:32			FILTER	JWR

Kemron Environmental Services
Analyst Listing May 24, 2005

AJF - AMANDA J. FICKIESEN	ALB - ANNIE L. BOCK	ALT - ANN L. THAYER
BRG - BRENDA R. GREGORY	CAF - CHERYL A. FLOWERS	CAK - CHERYL A. KOELSCH
CEB - CHAD E. BARNES	CLC - CHRYS L. CRAWFORD	CLK - CARL L. KING
CLS - CARA L. STRICKLER	CLW - CHARISSA L. WINTERS	CM - CHARLIE MARTIN
CMS - CRYSTAL M. STEPHENS	CPD - CHAD P. DAVIS	CRC - CARLA R. COCHRAN
CSH - CHRIS S. HILL	DAS - DALLAS A. SULLIVAN	DD - DIANE M. DENNIS
DDE - DEBRA D. ELLIOTT	DEL - DON E. LIGHTFRITZ	DEV - DAVID E. VANDENBERG
DGB - DOUGLAS G. BUTCHER	DIH - DEANNA I. HESSON	DLB - DAVID L. BUMGARNER
DLP - DOROTHY L. PAYNE	DLR - DIANNA L. RAUCH	DP - DEANNA L. PIERSON
DR - DEANNA ROBERTS	DRB - DOUG R. BARNETT	DSM - DAVID S. MOSSOR
DST - DENNIS S. TEPE	ECL - ERIC C. LAWSON	ED - EMILY E. DECKER
HAV - HEMA VILASAGAR	JAL - JOHN A. LENT	JJG - JOHN J. GREUEY
JKT - JANE K. THOMPSON	JLS - JANICE L. SCHIMMEL	JWR - JOHN W. RICHARDS
JWS - JACK W. SHEAVES	JYH - JI Y. HU	KEB - KATHRYN E. BARNES
KHR - KIM H. RHODES	KRA - KATHY R. ALBERTSON	LKN - LINDA K. NEDEFF
LSA - LUCINDA S. ARNOLD	LSB - LESLIE S. BUCINA	MAH - MICALYN A. HARRIS
MDA - MICHAEL D. ALBERTSON	MDC - MICHAEL D. COCHRAN	MES - MARY E. SCHILLING
MKZ - MARILYN K. ZUMBRO	MLR - MARY L. ROCHOTTE	MLS - MICHAEL L. SCHIMMEL
MMB - MAREN M. BEERY	MSW - MATT S. WILSON	NJB - NATALIE J. BOOTH
OGT - OKEY G. TUCKER	PAS - PATRICK A. STREET	RB - ROBERT BUCHANAN
RDC - REBECCA D. CUTLIP	REK - ROBERT E. KYER	RWC - RODNEY W. CAMPBELL
SCM - SUSAN C. MOELLENDICK	SK - SANDRA KEENER	SLM - STEPHANIE L. MOSSBURG
SLP - SHERI L. PFALZGRAF	SMH - SHAUNA M. HYDE	TD - TIMOTHY DYSERT
TMM - TAMMY M. MORRIS	VC - VICKI COLLIER	VKL - VICKY K. LAUER

KEMRON Environmental Services, Inc.

List of Valid Qualifiers

May 24, 2005

These are KEMRON's standard report qualifiers:

B	Present in the method blank	NS	Not spiked
C	Confirmed by GC/MS	P	Concentration >40% difference between the two GC columns
CG	Confluent growth		
D	The analyte was quantified as a secondary dilution factor	QNS	Quantity not sufficient to perform analysis
DL	Surrogate or spike was diluted out	RA	Reanalysis confirms reported results
		RE	Reanalysis confirms sample matrix interference
E	Estimated concentration due to sample matrix interference	S	Analyzed by method of standard addition
FL	Free liquid	SMI	Sample matrix interference on surrogate
I	Semi-quantitative result, out of instrument calibration range	SP	Reported results are for spike compounds only
J	Present below normal reporting limit	TNTC	Too numerous to count
L	Sample reporting limits elevated due to matrix interference	U	Analyzed for but not detected
N	Tentatively Identified Compound (TIC)	W	Post-digestion spike for furnace AA out of control limits
NA	Not applicable	X	Exceeds regulatory limit
ND	Not detected at or above the reporting limit (RL)	Z	Can not be resolved from isomer.***
NF	Not found	+	Correlation coefficient for the MSA is less than 0.995
NFL	No free liquid	<	Less than
NI	Non-ignitable	>	Greater than
		*	Surrogate or spike compound out of range

*****Special Notes for Organic Analytes**

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound and are matrix dependent.

AFCEE Qualifiers

These are KEMRON's AFCEE Report Qualifiers

- J** The analyte was positively identified, the quantitation is an estimation.
- U** The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL
- F** The analyte was positively identified by the associated numerical value is below the RL
- R** The data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria
- B** The analyte was found in an associated blank, as well as in the sample
- M** The matrix effect was present
- S** To be applied to all field screening data
- T** Tentatively identified compound (using GC/MS)

Inorganic QA/QC

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00094507

Analytical Method: 314.0
Login Number: L0505346

AAB#: WG189532

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
051505-ER	05/16/05	05/17/05	05/18/05	28	2.17	05/18/05	28	2.17	
29WW05-MAY05	05/16/05	05/17/05	05/18/05	28	2.35	05/18/05	28	2.35	
29WW05-MAY05-D	05/16/05	05/17/05	05/18/05	28	2.37	05/18/05	28	2.37	
29WW09-MAY05	05/15/05	05/17/05	05/18/05	28	3.25	05/18/05	28	3.25	
29WW10-MAY05	05/16/05	05/17/05	05/18/05	28	2.48	05/18/05	28	2.48	
29WW115-MAY05	05/15/05	05/17/05	05/18/05	28	3.32	05/18/05	28	3.32	
29WW119-MAY05	05/15/05	05/17/05	05/18/05	28	3.50	05/18/05	28	3.50	

* EXT = SEE PROJECT QAPP REQUIREMENTS

* ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00094508

Analytical Method: 314.0
 Login Number: L0505346

AAB#: WG189533

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
29WW15-MAY05	05/16/05	05/17/05	05/19/05	28	3.40	05/19/05	28	3.40	
29WW15-MAY05-D	05/16/05	05/17/05	05/19/05	28	3.41	05/19/05	28	3.41	
29WW16-MAY05	05/16/05	05/17/05	05/19/05	28	3.47	05/19/05	28	3.47	
29WW16-MAY05-D	05/16/05	05/17/05	05/19/05	28	3.21	05/19/05	28	3.21	
29WW17-MAY05	05/16/05	05/17/05	05/19/05	28	3.33	05/19/05	28	3.33	
29WW19-MAY05	05/15/05	05/17/05	05/19/05	28	4.13	05/19/05	28	4.13	
29WW21-MAY05	05/16/05	05/17/05	05/19/05	28	3.29	05/19/05	28	3.29	
29WW22-MAY05	05/16/05	05/17/05	05/19/05	28	3.34	05/19/05	28	3.34	
29WW23-MAY05	05/15/05	05/17/05	05/19/05	28	4.20	05/19/05	28	4.20	
29WW24-MAY05	05/15/05	05/17/05	05/19/05	28	4.20	05/19/05	28	4.20	
29WW24-MAY05-MS	05/15/05	05/17/05	05/19/05	28	4.23	05/19/05	28	4.23	
29WW24-MAY05-MSD	05/15/05	05/17/05	05/19/05	28	4.25	05/19/05	28	4.25	
29WW29-MAY05	05/15/05	05/17/05	05/19/05	28	4.36	05/19/05	28	4.36	
29WW34-MAY05	05/16/05	05/17/05	05/19/05	28	3.43	05/19/05	28	3.43	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

Login Number: L0505346
Blank File ID: I1051805.12
Date Analyzed: 05/18/05
Time Analyzed: 14:35
Analyst: JWR

Work Group: WG189532
Blank Sample ID: WG189532-01
Instrument ID: IC1
Method: 314.0

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG189532-02	I1051805.14	05/18/05 15:15	01
DUP	WG189532-04	I1051805.16	05/18/05 15:56	DL01
051505-ER	L0505346-01	I1051805.25	05/18/05 19:00	01
29WW05-MAY05	L0505346-02	I1051805.26	05/18/05 19:20	01
29WW05-MAY05-D	L0505346-03	I1051805.27	05/18/05 19:41	01
29WW09-MAY05	L0505346-04	I1051805.28	05/18/05 20:01	DL01
29WW10-MAY05	L0505346-05	I1051805.29	05/18/05 20:22	DL01
29WW115-MAY05	L0505346-06	I1051805.30	05/18/05 20:42	DL01
29WW119-MAY05	L0505346-07	I1051805.31	05/18/05 21:02	DL01

**KEMRON Environmental Services
METHOD BLANK SUMMARY**

00094510

Login Number: L0505346
Blank File ID: I1051905.12
Date Analyzed: 05/19/05
Time Analyzed: 14:52
Analyst: JWR

Work Group: WG189533
Blank Sample ID: WG189533-01
Instrument ID: IC1
Method: 314.0

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG189533-02	I1051905.14	05/19/05 15:33	01
29WW16-MAY05-D	L0505346-11	I1051905.18	05/19/05 16:55	DL01
29WW17-MAY05	L0505346-12	I1051905.19	05/19/05 17:15	DL01
29WW19-MAY05	L0505346-13	I1051905.20	05/19/05 17:36	DL01
29WW21-MAY05	L0505346-14	I1051905.21	05/19/05 17:56	01
29WW22-MAY05	L0505346-15	I1051905.22	05/19/05 18:17	DL01
29WW23-MAY05	L0505346-16	I1051905.23	05/19/05 18:37	DL01
29WW24-MAY05	L0505346-17	I1051905.25	05/19/05 19:18	01
DUP	WG189533-04	I1051905.26	05/19/05 19:38	01
29WW24-MAY05-MS	L0505346-18	I1051905.27	05/19/05 19:59	01
29WW24-MAY05-MSD	L0505346-19	I1051905.28	05/19/05 20:19	01
29WW29-MAY05	L0505346-20	I1051905.29	05/19/05 20:39	DL01
29WW34-MAY05	L0505346-21	I1051905.30	05/19/05 21:00	01
29WW16-MAY05	L0505346-10	I1051905.36	05/19/05 23:02	DL01
29WW15-MAY05	L0505346-08	I1051905.37	05/19/05 23:23	DL01
29WW15-MAY05-D	L0505346-09	I1051905.38	05/19/05 23:43	DL01

Login Number: L0505346 Run Date: 05/18/2005 Sample ID: WG189532-01
Instrument ID: IC1 Run Time: 14:35 Prep Method: 314.0
File ID: I1051805.12 Analyst: JWR Method: 314.0
Workgroup (AAB#): WG189532 Matrix: Water Units: ug/L
Contract #: DACA56-94-D-0020 Cal ID: IC1-

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Perchlorate	0.500	1.00	0.500	1	U

Login Number: L0505346 Run Date: 05/19/2005 Sample ID: WG189533-01
Instrument ID: IC1 Run Time: 14:52 Prep Method: 314.0
File ID: I1051905.12 Analyst: JWR Method: 314.0
Workgroup (AAB#): WG189533 Matrix: Water Units: ug/L
Contract #: DACA56-94-D-0020 Cal ID: IC1-

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Perchlorate	0.500	1.00	0.500	1	U

Login Number: L0505346 Run Date: 05/18/2005 Sample ID: WG189532-02
Instrument ID: IC1 Run Time: 15:15 Prep Method: 314.0
File ID: I1051805.14 Analyst: JWR Method: 314.0
Workgroup (AAB#): WG189532 Matrix: Water Units: ug/L
Contract #: DACA56-94-D-0020 Cal ID: IC1-

Analytes	Expected	Found	% Rec	LCS Limits	Q
Perchlorate	25.0	23.7	94.8	85 - 115	

Login Number: L0505346 Run Date: 05/19/2005 Sample ID: WG189533-02
Instrument ID: IC1 Run Time: 15:33 Prep Method: 314.0
File ID: I1051905.14 Analyst: JWR Method: 314.0
Workgroup (AAB#): WG189533 Matrix: Water Units: ug/L
Contract #: DACA56-94-D-0020 Cal ID: IC1-

Analytes	Expected	Found	% Rec	LCS Limits	Q
Perchlorate	25.0	23.5	93.8	85 - 115	

MS/MSD REPORT

00094515

Loginnum: L0505346 _____ Cal ID: IC1 - _____ Worknum: WG189533 _____
 Instrument ID: IC1 _____ Contract #: DACA56-94-D-0020 _____ Prep Method: 314.0 _____
 Parent ID: L0505346-17 _____ File ID: I1051905.25 _____ Dil: 1 _____ Method: 314.0 _____
 Sample ID: L0505346-18 MS _____ File ID: I1051905.27 _____ Dil: 1 _____ Matrix: Water _____
 Sample ID: L0505346-19 MSD _____ File ID: I1051905.28 _____ Dil: 1 _____ Units: ug/L _____

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Perchlorate	ND	25.0	23.1	92.4	25.0	22.7	91.0	1.62	80 - 120	25	

* FAILS %REC LIMIT

FAILS RPD LIMIT

KEMRON Environmental Services
DUPLICATE REPORT

00094516

Login Number: L0505346

Worknum: WG189532

Instrument ID: IC1

Method: 314.0

Sample ID: L0505346-02 File ID: I1051805.26 Dil: 1

Matrix: Water

Duplicate ID: L0505346-03 File ID: I1051805.27 Dil: 1

Units: ug/L

Analyte	Sample	Duplicate	RPD	RPD Limit	Q
Perchlorate	76.8	76.9	0.147	25	

KEMRON Environmental Services
DUPLICATE REPORT

00094517

Login Number: L0505346

Worknum: WG189533

Instrument ID: IC1

Method: 314.0

Sample ID: L0505346-08 File ID: I1051905.37 Dil: 500

Matrix: Water

Duplicate ID: L0505346-09 File ID: I1051905.38 Dil: 500

Units: ug/L

Analyte	Sample	Duplicate	RPD	RPD Limit	Q
Perchlorate	16800	16700	0.435	25	

KEMRON Environmental Services
DUPLICATE REPORT

00094518

Login Number: L0505346

Worknum: WG189533

Instrument ID: IC1

Method: 314.0

Sample ID: L0505346-10 File ID: I1051905.36 Dil: 2

Matrix: Water

Duplicate ID: L0505346-11 File ID: I1051905.18 Dil: 2

Units: ug/L

Analyte	Sample	Duplicate	RPD	RPD Limit	Q
Perchlorate	ND	ND	0	25	



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: LHAAP-026

Page 1 of 2

Project Number: 845714

Samples Shipment Date: 16 MAY 2005

Bill To: Diane Meyer

Project Name: Longhorn Army Ammunition Plant Lab Destination: Kemron Lab

3010 Briarpark Drive

Houston

TX 77042

Sample Coordinator: Phil Conley

Lab Contact: Stephanie Mossburg

Report To: Diane Meyer

Turnaround Time:

Project Contact: Diane Meyer

3010 Briarpark Drive

Houston

TX 77042

Carrier/Waybill No.: UPS/J180 010 404 4

Special Instructions:

Possible Hazard Identification:

Non-hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown ☐Radiological ☐

Sample Disposal:

Return to Client ☐Disposal by Lab ☐

Archive

(mos.)

1. Relinquished By
(Signature/Affiliation)

Date: 05/16/05
Time: 17001. Received By
(Signature/Affiliation)

Date: 5/17/05
Time: 09402. Relinquished By
(Signature/Affiliation)Date:
Time:2. Received By
(Signature/Affiliation)Date:
Time:3. Relinquished By
(Signature/Affiliation)Date:
Time:3. Received By
(Signature/Affiliation)Date:
Time:

Comments:

C/c sealed
Sub intact
Cooler Temp 3
by

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	File	CID	Condition On Receipt
051505-ER	29WW21-WA-051505-ER-ER	16 MAY 2005	15:00	1 L HDPE	1		Perchlorate by 314.0				N	
29WW05-MAY05	29WW05-GW-29WW05-MAY05-REG	16 MAY 2005	10:52	1 L HDPE	1		Perchlorate by 314.0				N	
29WW05-MAY05	29WW05-GW-29WW05-MAY05-D-FD	16 MAY 2005	10:52	1 L HDPE	1		Perchlorate by 314.0				N	
29WW09-MAY05	29WW09-GW-29WW09-MAY05-REG	15 MAY 2005	14:06	1 L HDPE	1		Perchlorate by 314.0				N	
29WW10-MAY05	29WW10-GW-29WW10-MAY05-REG	16 MAY 2005	08:58	1 L HDPE	1		Perchlorate by 314.0				N	
29WW115-MAY05	115-GW-29WW115-MAY05-REG	15 MAY 2005	13:05	1 L HDPE	1		Perchlorate by 314.0				N	
29WW119-MAY05	119-GW-29WW119-MAY05-REG	15 MAY 2005	09:05	1 L HDPE	1		Perchlorate by 314.0				N	
29WW15-MAY05	29WW15-GW-29WW15-MAY05-REG	16 MAY 2005	13:50	1 L HDPE	1		Perchlorate by 314.0				N	



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: LHAAP-026

Page 2 of 2

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
29WW15-MAY05	29WW15-GW-29WW15-MAY05-D-FD	16 MAY 2005	13:50	1 L HDPE	1	Perchlorate by 314.0			N		
29WW16-MAY05	29WW16-GW-29WW16-MAY05-REG	16 MAY 2005	11:51	1 L HDPE	1	Perchlorate by 314.0			N		
29WW16-MAY05	29WW16-GW-29WW16-MAY05-D-FD	16 MAY 2005	11:51	1 L HDPE	1	Perchlorate by 314.0			N		
29WW17-MAY05	29WW17-GW-29WW17-MAY05-REG	16 MAY 2005	09:20	1 L HDPE	1	Perchlorate by 314.0			N		
29WW19-MAY05	29WW19-GW-29WW19-MAY05-REG	15 MAY 2005	14:24	1 L HDPE	1	Perchlorate by 314.0			N		
29WW21-MAY05	29WW21-GW-29WW21-MAY05-REG	16 MAY 2005	11:00	1 L HDPE	1	Perchlorate by 314.0			N		
29WW22-MAY05	29WW22-GW-29WW22-MAY05-REG	16 MAY 2005	10:10	1 L HDPE	1	Perchlorate by 314.0			N		
29WW23-MAY05	29WW23-GW-29WW23-MAY05-REG	15 MAY 2005	13:45	1 L HDPE	1	Perchlorate by 314.0			N		
29WW24-MAY05	29WW24-GW-29WW24-MAY05-REG	15 MAY 2005	14:25	1 L HDPE	1	Perchlorate by 314.0			N		
29WW24-MAY05	29WW24-GW-29WW24-MAY05-MS-MS	15 MAY 2005	14:25	1 L HDPE	1	Perchlorate by 314.0			N		
29WW24-MAY05	29WW24-GW-29WW24-MAY05-MSD-MS	15 MAY 2005	14:25	1 L HDPE	1	Perchlorate by 314.0			N		
29WW29-MAY05	29WW29-GW-29WW29-MAY05-REG	15 MAY 2005	12:00	1 L HDPE	1	Perchlorate by 314.0			N		
29WW34-MAY05	29WW34-GW-29WW34-MAY05-REG	16 MAY 2005	10:42	1 L HDPE	1	Perchlorate by 314.0			N		

KEMRON Environmental Services
Internal Chain of Custody Report

00094521

Login: L0505346
Account: SHAW-ALLIANCE-798
Project: 798-LONGHORN
Samples: 21
Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505346-01 133484 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:20	BRG	
2	ANALYZ	W1	WET	18-MAY-2005 13:31	JWR	BRG

Samplenum **Container ID** **Products**

L0505346-02 133485 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:20	BRG	
2	ANALYZ	W1	WET	18-MAY-2005 13:31	JWR	BRG

Samplenum **Container ID** **Products**

L0505346-03 133486 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:20	BRG	
2	ANALYZ	W1	WET	18-MAY-2005 13:31	JWR	BRG

Samplenum **Container ID** **Products**

L0505346-04 133487 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:20	BRG	
2	ANALYZ	W1	WET	18-MAY-2005 13:31	JWR	BRG

Samplenum **Container ID** **Products**

L0505346-05 133488 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:20	BRG	
2	ANALYZ	W1	WET	18-MAY-2005 13:31	JWR	BRG

KEMRON Environmental Services
Internal Chain of Custody Report

00094522

Login: L0505346
Account: SHAW-ALLIANCE-798
Project: 798-LONGHORN
Samples: 21
Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505346-06 133489 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:20	BRG	
2	ANALYZ	W1	WET	18-MAY-2005 13:31	JWR	BRG

Samplenum **Container ID** **Products**

L0505346-07 133490 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:20	BRG	
2	ANALYZ	W1	WET	18-MAY-2005 13:31	JWR	BRG

Samplenum **Container ID** **Products**

L0505346-08 133491 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:20	BRG	
2	ANALYZ	W1	WET	19-MAY-2005 10:34	JWR	BRG

Samplenum **Container ID** **Products**

L0505346-09 133492 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:20	BRG	
2	ANALYZ	W1	WET	19-MAY-2005 10:34	JWR	BRG

Samplenum **Container ID** **Products**

L0505346-10 133493 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:20	BRG	
2	ANALYZ	W1	WET	19-MAY-2005 10:34	JWR	BRG

KEMRON Environmental Services
Internal Chain of Custody Report

00094523

Login: L0505346
Account: SHAW-ALLIANCE-798
Project: 798-LONGHORN
Samples: 21
Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505346-11 133494 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:20	BRG	
2	ANALYZ	W1	WET	19-MAY-2005 10:34	JWR	BRG

Samplenum **Container ID** **Products**

L0505346-12 133495 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:20	BRG	
2	ANALYZ	W1	WET	19-MAY-2005 10:34	JWR	BRG

Samplenum **Container ID** **Products**

L0505346-13 133496 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:20	BRG	
2	ANALYZ	W1	WET	19-MAY-2005 10:35	JWR	BRG

Samplenum **Container ID** **Products**

L0505346-14 133497 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:20	BRG	
2	ANALYZ	W1	WET	19-MAY-2005 10:35	JWR	BRG

Samplenum **Container ID** **Products**

L0505346-15 133498 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:20	BRG	
2	ANALYZ	W1	WET	19-MAY-2005 10:35	JWR	BRG

Login: L0505346

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 21

Due Date: 24-MAY-2005

Samplenum **Container ID** **Products**

L0505346-16 133499 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:20	BRG	
2	ANALYZ	W1	WET	19-MAY-2005 10:35	JWR	BRG

Samplenum **Container ID** **Products**

L0505346-17 133500 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:20	BRG	
2	ANALYZ	W1	WET	19-MAY-2005 10:35	JWR	BRG

Samplenum **Container ID** **Products**

L0505346-18 133501 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:20	BRG	
2	ANALYZ	W1	WET	19-MAY-2005 10:35	JWR	BRG

Samplenum **Container ID** **Products**

L0505346-19 133502 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:20	BRG	
2	ANALYZ	W1	WET	19-MAY-2005 10:35	JWR	BRG

Samplenum **Container ID** **Products**

L0505346-20 133503 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:20	BRG	
2	ANALYZ	W1	WET	19-MAY-2005 10:35	JWR	BRG

KEMRON Environmental Services
Internal Chain of Custody Report

00094525

Login: L0505346
Account: SHAW-ALLIANCE-798
Project: 798-LONGHORN
Samples: 21
Due Date: 24-MAY-2005

<u>Samplenum</u>	<u>Container ID</u>	<u>Products</u>
L0505346-21	133504	CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			17-MAY-2005 13:20	BRG	
2	ANALYZ	W1	WET	19-MAY-2005 10:35	JWR	BRG

SAMPLE RECEIPT FORM

Date: 5-17-05 Client: Shaw-LH156 STARLITE DRIVE
MARIETTA, OH
45750
(740) 373-4071Shipped By: () Fed-Ex ☒ UPS () DHL () KEMRON () Client () OtherOpened By: BGLogged By: BG Login # L05 05346IR Temp Gun: ☒ D () F

COOLER INFORMATION

Number	Cooler ID	Temp °C	Airbill#	COC#	Other
1	KL736	2	J1788255451	018	
2	KL1705	1	J1800104035	027	
3	KL744	3	J1800104044	026	
4	KL1564	4	J1788255415	022	
5	KL887	3	J1788255479	014	
6	KL1402	4	J1788255488	017	

Were all coolers sealed?

☒ Y N N/A

Were custody seals used on all coolers?

☒ Y N N/A

Were custody seals intact?

☒ Y N N/A

Was visible ice present?

☒ Y N N/A

Were all coolers in the temperature range of 2-6C? (>6C*)

Y ☒ N N/A

Were the samples frozen?*

Y ☒ N N/A

Were COC papers provided?

☒ Y N N/A

Were all sample containers intact?*

☒ Y N N/A

Were all sample labels intact?

☒ Y N N/A

Were all sample labels legible?*

☒ Y N N/A

Did all sample labels match the COC?*

☒ Y N N/A

Was the label information complete?*

☒ Y N N/A

Were the correct containers used?*

☒ Y N N/A

Were the correct preservatives added to water samples?*

Y N ☒ N/A

Was the pH tested on preserved water samples?

Y N ☒ N/A

Were pH ranges acceptable?*

Y N ☒ N/A

Was sufficient amount of sample provided?*

☒ Y N N/A

Were bubbles present in VOA samples?*

Y N ☒ N/A

Were COC's signed and dated?

☒ Y N N/A

Did samples arrive before hold time expired?*

☒ Y N N/A

Are discrepancy forms attached?

Y N ☒ N/A

*Requires a discrepancy form

CRF #1

Revised 8/22/03

Comments: _____



156 Starlite Drive, Marietta, OH 45750 • TEL 740-373-4071 • FAX 740-373-4835 • <http://www.kemron.com>

Laboratory Report Number: L0505398

Please find enclosed the analytical results for the samples you submitted to KEMRON Environmental Services.

Review and compilation of your report was completed by KEMRON's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact our team member noted in the Reviewed box below at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

Debra Elliott - Team Leader
delliott@kemron-lab.com

Amanda Fickiesen - Client Services Specialist
afickiesen@kemron-lab.com

Cheryl Koelsch - Team Chemist/Data Specialist
ckoelsch@kemron-lab.com

Annie Bock - Client Services Specialist
abock@kemron-lab.com

Stephanie Mossburg - Team Chemist/Data Specialist
smossburg@kemron-lab.com

Vicki Lauer - Client Services Specialist
vlauer@kemron-lab.com

Kathy Albertson - Team Chemist/Data Specialist
kalbertson@kemron-lab.com

Micalyn Harris - Team Chemist/Data Specialist
mharris@kemron-lab.com

This report was reviewed on May 25, 2005:

A handwritten signature in cursive script, reading "Stephanie Mossburg".

I certify that all test results meet all of the requirements of the NELAP standards and other applicable contract terms and conditions. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on an 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of KEMRON Environmental Services.

This report was certified on May 25, 2005:

A handwritten signature in cursive script, reading "David E. Vandenberg".

FL DOH NELAP ID: E87551

This report contains a total of 32 pages.

Protecting Our Environmental Future

LABORATORY REPORT

L0505398

00094528

05/25/05 09:38

Submitted By

KEMRON Environmental Services

156 Starlite Drive

Marietta , OH 45750

(740) 373 - 4071

For

Account Name: Shaw E & I, Inc.

ABB Lummus Building

3010 Briarpark

Houston, TX 77042

Attention: Diane Meyer

Account Number: 307-ALLIANCE-798

Work ID: LONGHORN AAP

P.O. Number: 98696

Sample Summary

Client ID	Lab ID	Date Collected	Date Received
051505-ER	L0505398-01	16-MAY-05	18-MAY-05
051605-ER	L0505398-02	16-MAY-05	18-MAY-05
29WW03-MAY05	L0505398-03	17-MAY-05	18-MAY-05
29WW04-MAY05	L0505398-04	17-MAY-05	18-MAY-05
29WW04-MAY05-D	L0505398-05	17-MAY-05	18-MAY-05

Report Number: L0505398

Report Date : May 25, 2005

00094529

Sample Number: L0505398-01
 Client ID: 051505-ER
 Matrix: Water
 Workgroup Number: WG189556
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/19/2005 08:00
 Cal Date: 05/10/2005 17:19
 Run Date: 05/22/2005 23:17
 File ID: 4L008178.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.02	0.255
1,3-Dinitrobenzene	99-65-0		U	1.02	0.255
2,4,6-Trinitrotoluene	118-96-7		U	1.02	0.255
2,4-Dinitrotoluene	121-14-2		U	1.02	0.255
2,6-Dinitrotoluene	606-20-2		U	1.02	0.255
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.02	0.255
2-Nitrotoluene	88-72-2		U	1.02	0.255
3-Nitrotoluene	99-08-1		U	1.02	0.255
4-Nitrotoluene	99-99-0		U	1.02	0.255
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.02	0.255
HMX	2691-41-0		U	1.02	0.255
Nitrobenzene	98-95-3		U	1.02	0.255
RDX	121-82-4		U	1.02	0.255
Tetryl	479-45-8		U	1.02	0.255
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	88.6	50	150		

U Not detected at or above adjusted sample detection limit

Sample Number: L0505398-02
 Client ID: 051605-ER
 Matrix: Water
 Workgroup Number: WG189556
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/19/2005 08:00
 Cal Date: 05/10/2005 17:19
 Run Date: 05/22/2005 23:54
 File ID: 4L008179.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.00	0.250
1,3-Dinitrobenzene	99-65-0		U	1.00	0.250
2,4,6-Trinitrotoluene	118-96-7		U	1.00	0.250
2,4-Dinitrotoluene	121-14-2		U	1.00	0.250
2,6-Dinitrotoluene	606-20-2		U	1.00	0.250
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.00	0.250
2-Nitrotoluene	88-72-2		U	1.00	0.250
3-Nitrotoluene	99-08-1		U	1.00	0.250
4-Nitrotoluene	99-99-0		U	1.00	0.250
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.00	0.250
HMX	2691-41-0		U	1.00	0.250
Nitrobenzene	98-95-3		U	1.00	0.250
RDX	121-82-4		U	1.00	0.250
Tetryl	479-45-8		U	1.00	0.250
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	93.0	50	150		

U Not detected at or above adjusted sample detection limit

Report Number: L0505398

Report Date : May 25, 2005

00094530

Sample Number: L0505398-03
 Client ID: 29WW03-MAY05
 Matrix: Water
 Workgroup Number: WG189556
 Collect Date: 17-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/19/2005 08:00
 Cal Date: 05/10/2005 17:19
 Run Date: 05/23/2005 00:31
 File ID: 4L008180.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.00	0.250
1,3-Dinitrobenzene	99-65-0		U	1.00	0.250
2,4,6-Trinitrotoluene	118-96-7		U	1.00	0.250
2,4-Dinitrotoluene	121-14-2		U	1.00	0.250
2,6-Dinitrotoluene	606-20-2	10.1	I	1.00	0.250
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.00	0.250
2-Nitrotoluene	88-72-2	73.7	I	1.00	0.250
3-Nitrotoluene	99-08-1	5.50		1.00	0.250
4-Nitrotoluene	99-99-0	37.8	I	1.00	0.250
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.00	0.250
HMX	2691-41-0		U	1.00	0.250
Nitrobenzene	98-95-3		U	1.00	0.250
RDX	121-82-4		U	1.00	0.250
Tetryl	479-45-8		U	1.00	0.250
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	111	50	150		

I Semiquantitative result (out of instrument calibration range)

U Not detected at or above adjusted sample detection limit

Sample Number: L0505398-03
 Client ID: 29WW03-MAY05
 Matrix: Water
 Workgroup Number: WG189556
 Collect Date: 17-MAY-05
 Sample Tag: DL01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 10
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/19/2005 08:00
 Cal Date: 05/10/2005 17:19
 Run Date: 05/24/2005 07:51
 File ID: 4L008215.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	10.0	2.50
1,3-Dinitrobenzene	99-65-0		U	10.0	2.50
2,4,6-Trinitrotoluene	118-96-7		U	10.0	2.50
2,4-Dinitrotoluene	121-14-2		U	10.0	2.50
2,6-Dinitrotoluene	606-20-2	9.32	J	10.0	2.50
2-Amino-4,6-dinitrotoluene	35572-78-2		U	10.0	2.50
2-Nitrotoluene	88-72-2	71.3		10.0	2.50
3-Nitrotoluene	99-08-1	5.12	J	10.0	2.50
4-Nitrotoluene	99-99-0	37.2		10.0	2.50
4-Amino-2,6-dinitrotoluene	19406-51-0		U	10.0	2.50
HMX	2691-41-0		U	10.0	2.50
Nitrobenzene	98-95-3		U	10.0	2.50
RDX	121-82-4		U	10.0	2.50
Tetryl	479-45-8		U	10.0	2.50
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene		50	150	DL	

DL Surrogate or spike compound was diluted out

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Report Number: L0505398

Report Date : May 25, 2005

00094531

Sample Number: L0505398-04
 Client ID: 29WW04-MAY05
 Matrix: Water
 Workgroup Number: WG189556
 Collect Date: 17-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/19/2005 08:00
 Cal Date: 05/10/2005 17:19
 Run Date: 05/23/2005 01:46
 File ID: 4L008182.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.00	0.250
1,3-Dinitrobenzene	99-65-0		U	1.00	0.250
2,4,6-Trinitrotoluene	118-96-7		U	1.00	0.250
2,4-Dinitrotoluene	121-14-2		U	1.00	0.250
2,6-Dinitrotoluene	606-20-2		U	1.00	0.250
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.00	0.250
2-Nitrotoluene	88-72-2		U	1.00	0.250
3-Nitrotoluene	99-08-1		U	1.00	0.250
4-Nitrotoluene	99-99-0		U	1.00	0.250
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.00	0.250
HMX	2691-41-0		U	1.00	0.250
Nitrobenzene	98-95-3		U	1.00	0.250
RDX	121-82-4		U	1.00	0.250
Tetryl	479-45-8		U	1.00	0.250
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	67.7	50	150		

U Not detected at or above adjusted sample detection limit

Sample Number: L0505398-05
 Client ID: 29WW04-MAY05-D
 Matrix: Water
 Workgroup Number: WG189556
 Collect Date: 17-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/19/2005 08:00
 Cal Date: 05/10/2005 17:19
 Run Date: 05/23/2005 02:23
 File ID: 4L008183.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.02	0.255
1,3-Dinitrobenzene	99-65-0		U	1.02	0.255
2,4,6-Trinitrotoluene	118-96-7		U	1.02	0.255
2,4-Dinitrotoluene	121-14-2		U	1.02	0.255
2,6-Dinitrotoluene	606-20-2		U	1.02	0.255
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.02	0.255
2-Nitrotoluene	88-72-2		U	1.02	0.255
3-Nitrotoluene	99-08-1		U	1.02	0.255
4-Nitrotoluene	99-99-0		U	1.02	0.255
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.02	0.255
HMX	2691-41-0		U	1.02	0.255
Nitrobenzene	98-95-3		U	1.02	0.255
RDX	121-82-4		U	1.02	0.255
Tetryl	479-45-8		U	1.02	0.255
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	70.1	50	150		

U Not detected at or above adjusted sample detection limit

WORKGROUP SUMMARY BY METHOD

Analysis:Explosives

Extraction Method:3535

Workgroup:WG189353

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505398-01	051505-ER		05/19/05 08:00			SPE	CEB
L0505398-02	051605-ER		05/19/05 08:00			SPE	CEB
L0505398-03	29WW03-MAY05		05/19/05 08:00			SPE	CEB
L0505398-04	29WW04-MAY05		05/19/05 08:00			SPE	CEB
L0505398-05	29WW04-MAY05-D		05/19/05 08:00			SPE	CEB

Analysis:Explosives

Analytical Method:8330

Workgroup:WG189556

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505398-01	051505-ER		05/19/05 08:00	05/22/05 23:17	01	HPLC4	RDC
L0505398-02	051605-ER		05/19/05 08:00	05/22/05 23:54	01	HPLC4	RDC
L0505398-03	29WW03-MAY05		05/19/05 08:00	05/23/05 00:31	01	HPLC4	RDC
L0505398-03	29WW03-MAY05		05/19/05 08:00	05/24/05 07:51	DL01	HPLC4	RDC
L0505398-04	29WW04-MAY05		05/19/05 08:00	05/23/05 01:46	01	HPLC4	RDC
L0505398-05	29WW04-MAY05-D		05/19/05 08:00	05/23/05 02:23	01	HPLC4	RDC

Kemron Environmental Services
Analyst Listing May 25, 2005

AJF - AMANDA J. FICKIESEN	ALB - ANNIE L. BOCK	ALT - ANN L. THAYER
BRG - BRENDA R. GREGORY	CAF - CHERYL A. FLOWERS	CAK - CHERYL A. KOELSCH
CEB - CHAD E. BARNES	CLC - CHRYS L. CRAWFORD	CLK - CARL L. KING
CLS - CARA L. STRICKLER	CLW - CHARISSA L. WINTERS	CM - CHARLIE MARTIN
CMS - CRYSTAL M. STEPHENS	CPD - CHAD P. DAVIS	CRC - CARLA R. COCHRAN
CSH - CHRIS S. HILL	DAS - DALLAS A. SULLIVAN	DD - DIANE M. DENNIS
DDE - DEBRA D. ELLIOTT	DEL - DON E. LIGHTFRITZ	DEV - DAVID E. VANDENBERG
DGB - DOUGLAS G. BUTCHER	DIH - DEANNA I. HESSON	DLB - DAVID L. BUMGARNER
DLP - DOROTHY L. PAYNE	DLR - DIANNA L. RAUCH	DP - DEANNA L. PIERSON
DR - DEANNA ROBERTS	DRB - DOUG R. BARNETT	DSM - DAVID S. MOSSOR
DST - DENNIS S. TEPE	ECL - ERIC C. LAWSON	ED - EMILY E. DECKER
HAV - HEMA VILASAGAR	JAL - JOHN A. LENT	JJG - JOHN J. GREUEY
JKT - JANE K. THOMPSON	JLS - JANICE L. SCHIMMEL	JWR - JOHN W. RICHARDS
JWS - JACK W. SHEAVES	JYH - JI Y. HU	KEB - KATHRYN E. BARNES
KHR - KIM H. RHODES	KRA - KATHY R. ALBERTSON	LKN - LINDA K. NEDEFF
LSA - LUCINDA S. ARNOLD	LSB - LESLIE S. BUCINA	MAH - MICALYN A. HARRIS
MDA - MICHAEL D. ALBERTSON	MDC - MICHAEL D. COCHRAN	MES - MARY E. SCHILLING
MKZ - MARILYN K. ZUMBRO	MLR - MARY L. ROCHOTTE	MLS - MICHAEL L. SCHIMMEL
MMB - MAREN M. BEERY	MSW - MATT S. WILSON	NJB - NATALIE J. BOOTH
OGT - OKEY G. TUCKER	PAS - PATRICK A. STREET	RB - ROBERT BUCHANAN
RDC - REBECCA D. CUTLIP	REK - ROBERT E. KYER	RWC - RODNEY W. CAMPBELL
SCM - SUSAN C. MOELLENDICK	SK - SANDRA KEENER	SLM - STEPHANIE L. MOSSBURG
SLP - SHERI L. PFALZGRAF	SMH - SHAUNA M. HYDE	TD - TIMOTHY DYSERT
TMM - TAMMY M. MORRIS	VC - VICKI COLLIER	VKL - VICKY K. LAUER

KEMRON Environmental Services, Inc.

List of Valid Qualifiers

May 25, 2005

These are KEMRON's standard report qualifiers:

B	Present in the method blank	NS	Not spiked
C	Confirmed by GC/MS	P	Concentration >40% difference between the two GC columns
CG	Confluent growth		
D	The analyte was quantified as a secondary dilution factor	QNS	Quantity not sufficient to perform analysis
DL	Surrogate or spike was diluted out	RA	Reanalysis confirms reported results
		RE	Reanalysis confirms sample matrix interference
E	Estimated concentration due to sample matrix interference	S	Analyzed by method of standard addition
FL	Free liquid	SMI	Sample matrix interference on surrogate
I	Semi-quantitative result, out of instrument calibration range	SP	Reported results are for spike compounds only
J	Present below normal reporting limit	TNTC	Too numerous to count
L	Sample reporting limits elevated due to matrix interference	U	Analyzed for but not detected
N	Tentatively Identified Compound (TIC)	W	Post-digestion spike for furnace AA out of control limits
NA	Not applicable	X	Exceeds regulatory limit
ND	Not detected at or above the reporting limit (RL)	Z	Can not be resolved from isomer.***
NF	Not found	+	Correlation coefficient for the MSA is less than 0.995
NFL	No free liquid	<	Less than
NI	Non-ignitable	>	Greater than
		*	Surrogate or spike compound out of range

*****Special Notes for Organic Analytes**

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound and are matrix dependent.

AFCEE Qualifiers

These are KEMRON's AFCEE Report Qualifiers

- J** The analyte was positively identified, the quantitation is an estimation.
- U** The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL
- F** The analyte was positively identified by the associated numerical value is below the RL
- R** The data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria
- B** The analyte was found in an associated blank, as well as in the sample
- M** The matrix effect was present
- S** To be applied to all field screening data
- T** Tentatively identified compound (using GC/MS)

Organic QA/QC

Figure 1
Semi-Volatile GC Checklist

Run Date: 5-10-05
 Analyst: ECL
 Instrument: HPLC 4
 Method: 8330

Login no. Due Date Priority

05-084 need rerun

		Analyst	Peer
System Performance Check:	Endrin/DDT Breakdown		
Initial Calibration:	ICAL summary	✓	✓
	Linear or quadratic regression	✓	✓
	Alt Source Check	✓	✓
Continuing Calibration:	Continuing Calibration	✓	✓
	Ending standards	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD	✓	✓
Samples:	Quant Reports/Chromatograms	✓	✓
	Mass spectra		
	Surrogates	✓	✓
	Dilution runs		
	Confirmations	NA	
	Correct Factors	✓	✓
	Manual integrations	✓	✓
Data Package:	Run logs	✓	✓
	Bench sheets		
	Upload results		
	QC forms		
	Seedpak workgroups		
Client Data	Data scanned		
	Integrations digitally signed	✓	
	Level 2 pdf files		
	Level 3/Level x		
	Level 4 copies		
	Case narratives		
		Supervisor	
	Integrations digitally cosigned	✓	
	Corrective Action		
	Results Reporting/Data Qualifiers		
	Client Data/digital signatures		
	Check for Completeness	✓	
	Check for compliance with method and project requirements	✓	
	Check the reasonableness of results	✓	

✓ = Checked & OK

NA = Not Applicable

Primary Reviewer:

ECL 5-11-05

Secondary Reviewer:

W. H. H. H.

Comments:

Semi-Volatile HPLC Checklist

Run Date: 22-MAY-2005Analyst: RDCInstrument: HPLC4Method: 8330

Login no.	Due Date	Priority
05-344	24-May-05	F3
05-398	24-May-05	F3
05-400	24-May-05	F3

	Analyst	Peer
Initial Calibration:		
ICAL summary		
Linear or quadratic regression		
Alt Source Check		
Continuing Calibration:		
Continuing Calibration	✓	✓
Ending Standards	✓	✓
Client Specific Requirements	✓	✓
Special Standards		
Blanks:		
Quant Report/Chromatogram	✓	✓
Surrogates	✓	✓
LCS/LCS DUP:		
Quant Report/Chromatogram	✓	✓
Surrogates	✓	✓
Spike Compounds	✓	✓
MS/MSD	✓	✓
Samples:		
Quant Reports/Chromatograms	✓	✓
TCL Hits	✓	✓
Surrogates	✓	✓
Dilution runs		
Confirmations		
Correct Factors		
Manual integrations	✓	✓
Data Package:		
Run logs	✓	✓
Bench sheets	✓	✓
Upload results	✓	✓
QC forms	✓	✓
Seedpak workgroups	✓	✓
Client Data		
Data scanned		
Level 2 pdf files		
Level 3/Level x		
Level 4 copies		
Case narratives		
Integrations digitally signed	✓	
	Supervisor	
Corrective Action:		
Results Reporting/Data Qualifiers:	✓	
Client Data/digital signatures		
Check for Completeness:	✓	
Check for compliance with method and project requirements:	✓	
Check the reasonableness of results:	✓	

✓ = Checked & OK

NA = Not Applicable

Primary Reviewer: _____

Secondary Reviewer: _____

Comments: _____

05-398-03 & 05-400-01 need RR @ dil'n.

Semi-Volatile HPLC Checklist

Run Date: 23-MAY-2005Analyst: RDCInstrument: HPLC4Method: 8330

Login no.	Due Date	Priority
05-338	24-May-05	F3
05-341	24-May-05	F3
05-342	24-May-05	F3
05-398	24-May-05	F3
05-400	24-May-05	F3

		Analyst	Peer
Initial Calibration:	ICAL summary		
	Linear or quadratic regression		
	Alt Source Check		
Continuing Calibration:	Continuing Calibration	✓	✓
	Ending Standards	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD		
Samples:	Quant Reports/Chromatograms	✓	✓
	TCL Hits	✓	✓
	Surrogates	✓	✓
	Dilution runs		
	Confirmations		
	Correct Factors		
	Manual integrations	✓	✓
Data Package:	Run logs	✓	✓
	Bench sheets	✓	✓
	Upload results	✓	✓
	QC forms	✓	✓
	Seedpak workgroups	✓	✓
Client Data	Data scanned		
	Level 2 pdf files		
	Level 3/Level x		
	Level 4 copies		
	Case narratives		
	Integrations digitally signed	✓	
	Supervisor		
Corrective Action:			
Results Reporting/Data Qualifiers:		✓	
Client Data/digital signatures		✓	
Check for Completeness:		✓	
Check for compliance with method and project requirements:		✓	
Check the reasonableness of results:		✓	

✓ = Checked & OK

NA = Not Applicable

Primary Reviewer: _____

Secondary Reviewer: _____

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00094540

Analytical Method: 8330
Login Number: L0505398

AAB#: WG189556

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
051505-ER	05/16/05	05/18/05	05/19/05	7	2.71	05/22/05	40	3.64	
051605-ER	05/16/05	05/18/05	05/19/05	7	2.63	05/22/05	40	3.66	
29WW03-MAY05	05/17/05	05/18/05	05/19/05	7	1.78	05/23/05	40	3.69	
29WW03-MAY05	05/17/05	05/18/05	05/19/05	7	1.78	05/24/05	40	4.99	
29WW04-MAY05	05/17/05	05/18/05	05/19/05	7	1.94	05/23/05	40	3.74	
29WW04-MAY05-D	05/17/05	05/18/05	05/19/05	7	1.94	05/23/05	40	3.77	

* EXT = SEE PROJECT QAPP REQUIREMENTS

* ANAL = SEE PROJECT QAPP REQUIREMENTS

SURROGATE STANDARDS

Login Number: L0505398
Instrument Id: HPLC4
Workgroup (AAB#): WG189556

Method: 8330
CAL ID: HPLC4 - 10-MAY-05
Matrix: WATER

Sample Number	Dilution	Tag	1
L0505398-01	1.00	01	88.6
L0505398-02	1.00	01	93.0
L0505398-03	1.00	01	111
L0505398-03	10.0	DL01	DL
L0505398-04	1.00	01	67.7
L0505398-05	1.00	01	70.1
WG189353-02	1.00	01	90.2
WG189353-03	1.00	01	101

Surrogates	Surrogate Limits
1 - 3,4-Dinitrotoluene	50 - 150

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

Login Number: L0505398
Blank File ID: 4L008171.F
Date Analyzed: 05/22/05
Time Analyzed: 18:56
Analyst: RDC

Work Group: WG189556
Blank Sample ID: WG189353-02
Instrument ID: HPLC4
Method: 8330

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG189353-03	4L008172.F	05/22/05 19:33	01
051505-ER	L0505398-01	4L008178.F	05/22/05 23:17	01
051605-ER	L0505398-02	4L008179.F	05/22/05 23:54	01
29WW03-MAY05	L0505398-03	4L008180.F	05/23/05 00:31	01
29WW04-MAY05	L0505398-04	4L008182.F	05/23/05 01:46	01
29WW04-MAY05-D	L0505398-05	4L008183.F	05/23/05 02:23	01
29WW03-MAY05	L0505398-03	4L008215.F	05/24/05 07:51	DL01

Login Number: L0505398 Run Date: 05/22/2005 Sample ID: WG189353-02
 Instrument ID: HPLC4 Run Time: 18:56 Prep Method: 3535
 File ID: 4L008171.F Analyst: RDC Method: 8330
 Workgroup (AAB#): WG189556 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPLC4 - 10-MAY-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
1,3,5-Trinitrobenzene	0.250	1.00	0.250	1	U
1,3-Dinitrobenzene	0.250	1.00	0.250	1	U
2,4,6-Trinitrotoluene	0.250	1.00	0.250	1	U
2,4-Dinitrotoluene	0.250	1.00	0.250	1	U
2,6-Dinitrotoluene	0.250	1.00	0.250	1	U
2-Amino-4,6-dinitrotoluene	0.250	1.00	0.250	1	U
2-Nitrotoluene	0.250	1.00	0.250	1	U
3-Nitrotoluene	0.250	1.00	0.250	1	U
4-Nitrotoluene	0.250	1.00	0.250	1	U
4-Amino-2,6-dinitrotoluene	0.250	1.00	0.250	1	U
HMX	0.250	1.00	0.250	1	U
Nitrobenzene	0.250	1.00	0.250	1	U
RDX	0.250	1.00	0.250	1	U
Tetryl	0.250	1.00	0.250	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
3,4-Dinitrotoluene	90.2	50 - 150	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

ND Analyte Not detected at or above reporting limit

Login Number: L0505398 Run Date: 05/22/2005 Sample ID: WG189353-03
 Instrument ID: HPLC4 Run Time: 19:33 Prep Method: 3535
 File ID: 4L008172.F Analyst: RDC Method: 8330
 Workgroup (AAB#): WG189556 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPLC4-10-MAY-2005

Analytes	Expected	Found	% Rec	LCS Limits	Q
1,3,5-Trinitrobenzene	1.00	0.848	84.8	58 - 120	
1,3-Dinitrobenzene	1.00	0.993	99.3	68 - 135	
2,4,6-Trinitrotoluene	1.00	0.886	88.6	27 - 137	
2,4-Dinitrotoluene	1.00	0.963	96.3	69 - 109	
2,6-Dinitrotoluene	1.00	0.983	98.3	55 - 121	
2-Amino-4,6-dinitrotoluene	1.00	0.997	99.7	72 - 112	
2-Nitrotoluene	1.00	0.973	97.3	67 - 121	
3-Nitrotoluene	1.00	0.971	97.1	66 - 110	
4-Nitrotoluene	1.00	0.950	95.0	68 - 110	
4-Amino-2,6-dinitrotoluene	1.00	1.01	101	74 - 116	
HMX	1.00	0.832	83.2	54 - 99	
Nitrobenzene	1.00	1.07	107	70 - 131	
RDX	1.00	0.788	78.8	60 - 116	
Tetryl	1.00	0.841	84.1	10 - 147	

Surrogates	% Recovery	Surrogate Limits	Qualifier
3,4-Dinitrotoluene	101	50 - 150	PASS

* FAILS %REC LIMIT

Login Number: L0505398
Analytical Method: 8330
ICAL Workgroup: WG188649

Instrument ID: HPLC4
Initial Calibration Date: 10-MAY-05

Analyte		AVG RF	% RSD	R2	QUAD
1,3,5-Trinitrobenzene		2.337	3.55		
1,3-Dinitrobenzene		1.680	2.16		
2,4,6-Trinitrotoluene		2.420	2.92		
2,4-Dinitrotoluene		2.053	1.99		
2,6-Dinitrotoluene		3.328	2.02		
2-Amino-4,6-Dinitrotoluene		2.838	1.80		
2-Nitrotoluene		5.137	10.8		
3-Nitrotoluene		4.488	9.41		
4-Amino-2,6-Dinitrotoluene		4.191	5.77		
4-Nitrotoluene		6.412	14.3		
HMX		6.434	6.84		
Nitrobenzene		2.624	2.59		
RDX		5.492	5.79		
Tetryl		3.326	4.67		
3,4-Dinitrotoluene		4.439	1.93		

Login Number: L0505398
 Analytical Method: 8330

Instrument ID: HPLC4
 Initial Calibration Date: 10-MAY-05

Analyte	WG188649-01			WG188649-02		
	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	1000	446.747985839 844	2.238	500	217.363265991 211	2.300
1,3-Dinitrobenzene	1000	610.393554687 5	1.638	500	297.770141601 562	1.679
2,4,6-Trinitrotoluene	1000	423.587219238 281	2.361	500	205.149398803 711	2.437
2,4-Dinitrotoluene	1000	491.474548339 844	2.035	500	241.727981567 383	2.068
2,6-Dinitrotoluene	1000	306.740966796 875	3.260	500	150.109741210 938	3.331
2-Amino-4,6-Dinitrotoluene	1000	356.675018310 547	2.804	500	174.739929199 219	2.861
2-Nitrotoluene	1000	217.673385620 117	4.594	500	106.485511779 785	4.695
3-Nitrotoluene	1000	241.557525634 766	4.140	500	119.209320068 359	4.194
4-Amino-2,6-Dinitrotoluene	1000	245.562728881 836	4.072	500	121.182357788 086	4.126
4-Nitrotoluene	1000	176.280899047 852	5.673	500	86.6534042358 398	5.770
HMX	1000	167.391983032 227	5.974	500	83.7672042846 68	5.969
Nitrobenzene	1000	391.546417236 328	2.554	500	190.168502807 617	2.629
RDX	1000	197.137145996 094	5.073	500	95.2293777465 82	5.250
Tetryl	1000	302.889862060 547	3.302	500	148.361892700 195	3.370
3,4-Dinitrotoluene	1000	228.897964477 539	4.369	500	111.949325561 523	4.466

Login Number: L0505398
 Analytical Method: 8330

Instrument ID: HPLC4
 Initial Calibration Date: 10-MAY-05

Analyte	WG188649-03			WG188649-04		
	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	100	43.9480476379 395	2.275	50.0	20.9770450592 041	2.384
1,3-Dinitrobenzene	100	61.0492401123 047	1.638	50.0	29.0301837921 143	1.722
2,4,6-Trinitrotoluene	100	42.4625701904 297	2.355	50.0	19.8592967987 061	2.518
2,4-Dinitrotoluene	100	49.4773139953 613	2.021	50.0	23.4665546417 236	2.131
2,6-Dinitrotoluene	100	30.5008087158 203	3.279	50.0	14.5424079895 02	3.438
2-Amino-4,6-Dinitrotoluene	100	35.8206291198 73	2.792	50.0	17.3286323547 363	2.885
2-Nitrotoluene	100	21.1161098480 225	4.736	50.0	9.81066989898 682	5.096
3-Nitrotoluene	100	22.8780727386 475	4.371	50.0	10.5555210113 525	4.737
4-Amino-2,6-Dinitrotoluene	100	24.9738521575 928	4.004	50.0	11.9111776351 929	4.198
4-Nitrotoluene	100	16.7205638885 498	5.981	50.0	7.19282722473 145	6.951
HMX	100	16.1851272583 008	6.179	50.0	7.32371282577 515	6.827
Nitrobenzene	100	39.1169166564 941	2.556	50.0	18.6831703186 035	2.676
RDX	100	18.7005863189 697	5.347	50.0	8.75935649871 826	5.708
Tetryl	100	30.3004760742 188	3.300	50.0	14.2716827392 578	3.503
3,4-Dinitrotoluene	100	23.1127471923 828	4.327	50.0	11.2356529235 84	4.450

Login Number: L0505398
 Analytical Method: 8330

Instrument ID: HPLC4
 Initial Calibration Date: 10-MAY-05

Analyte	WG188649-05			WG188649-06		
	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	25.0	10.6327896118 164	2.351	10.0	4.04599857330 322	2.472
1,3-Dinitrobenzene	25.0	14.5816869735 718	1.714	10.0	5.93036365509 033	1.686
2,4,6-Trinitrotoluene	25.0	10.5805749893 188	2.363	10.0	4.02031326293 945	2.487
2,4-Dinitrotoluene	25.0	12.3679714202 881	2.021	10.0	4.89648914337 158	2.042
2,6-Dinitrotoluene	25.0	7.61175775527 954	3.284	10.0	2.96465897560 12	3.373
2-Amino-4,6-Dinitrotoluene	25.0	8.97884654998 779	2.784	10.0	3.44587087631 226	2.902
2-Nitrotoluene	25.0	4.36431169509 888	5.728	10.0	1.67381870746 613	5.974
3-Nitrotoluene	25.0	5.99579048156 738	4.170	10.0	1.88199961185 455	5.313
4-Amino-2,6-Dinitrotoluene	25.0	6.19186067581 177	4.038	10.0	2.12365388870 239	4.709
4-Nitrotoluene	25.0	4.35747051239 014	5.737	10.0	1.19627869129 181	8.359
HMX	25.0	3.66805291175 842	6.816	10.0	1.46236836910 248	6.838
Nitrobenzene	25.0	9.61166191101 074	2.601	10.0	3.66661310195 923	2.727
RDX	25.0	4.40615510940 552	5.674	10.0	1.69513332843 781	5.899
Tetryl	25.0	7.30986118316 65	3.420	10.0	3.26436543464 661	3.063
3,4-Dinitrotoluene	25.0	5.61809825897 217	4.450	10.0	2.18606066703 796	4.574

KEMRON Environmental Services
ALTERNATE SOURCE CALIBRATION REPORT

00094549

Login Number: L0505398 Run Date: 05/10/2005 Sample ID: WG188649-07
Instrument ID: HPLC4 Run Time: 17:56 Method: 8330
File ID: 4L007976.F Analyst: 833
ICal Workgroup: WG188649 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	52.7	2.25	5.5	ug/L	
1,3-Dinitrobenzene	50	51.8	1.65	3.5	ug/L	
2,4,6-Trinitrotoluene	50	55.3	2.23	10.5	ug/L	
2,4-Dinitrotoluene	50	57.0	1.82	14.1	ug/L	
2,6-Dinitrotoluene	50	54.6	3.10	9.2	ug/L	
2-Amino-4,6-Dinitrotoluene	50	55.1	2.61	10.2	ug/L	
2-Nitrotoluene	50	48.3	5.26	3.3	ug/L	
3-Nitrotoluene	50	51.2	4.38	2.4	ug/L	
4-Nitrotoluene	50	45.1	7.07	9.7	ug/L	
4-Amino-2,6-Dinitrotoluene	50	56.1	3.69	12.2	ug/L	
HMX	50	50.6	6.30	1.2	ug/L	
Nitrobenzene	50	51.9	2.58	3.8	ug/L	
RDX	50	54.4	5.15	8.7	ug/L	
Tetryl	50	55.1	3.09	10.2	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094550

Login Number: L0505398 Run Date: 05/22/2005 Sample ID: WG189555-01
Instrument ID: HPLC4 Run Time: 18:19 Method: 8330
File ID: 4L008170.F Analyst: RDC
Workgroup (AAB#): WG189556 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	51.1	2.33	2.1	ug/L	
1,3-Dinitrobenzene	50	52.4	1.63	4.7	ug/L	
2,4,6-Trinitrotoluene	50	55.0	2.24	10.1	ug/L	
2,4-Dinitrotoluene	50	53.2	1.96	6.4	ug/L	
2,6-Dinitrotoluene	50	53.1	3.19	6.2	ug/L	
2-Amino-4,6-Dinitrotoluene	50	52.2	2.76	4.3	ug/L	
2-Nitrotoluene	50	52.6	4.79	5.2	ug/L	
3-Nitrotoluene	50	50.0	4.49	.1	ug/L	
4-Nitrotoluene	50	54.3	5.76	8.5	ug/L	
4-Amino-2,6-Dinitrotoluene	50	50.7	4.09	1.5	ug/L	
HMX	50	49.8	6.42	.5	ug/L	
Nitrobenzene	50	53.7	2.49	7.3	ug/L	
RDX	50	52.9	5.31	5.8	ug/L	
Tetryl	50	44.2	3.88	11.5	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094551

Login Number: L0505398 Run Date: 05/23/2005 Sample ID: WG189555-02
Instrument ID: HPLC4 Run Time: 01:08 Method: 8330
File ID: 4L008181.F Analyst: RDC
Workgroup (AAB#): WG189556 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	51.7	2.30	3.4	ug/L	
1,3-Dinitrobenzene	50	51.9	1.65	3.9	ug/L	
2,4,6-Trinitrotoluene	50	53.1	2.33	6.2	ug/L	
2,4-Dinitrotoluene	50	52.1	2.00	4.3	ug/L	
2,6-Dinitrotoluene	50	50.7	3.34	1.4	ug/L	
2-Amino-4,6-Dinitrotoluene	50	53.0	2.71	6	ug/L	
2-Nitrotoluene	50	53.2	4.73	6.5	ug/L	
3-Nitrotoluene	50	48.3	4.66	3.3	ug/L	
4-Nitrotoluene	50	48.8	6.47	2.3	ug/L	
4-Amino-2,6-Dinitrotoluene	50	52.1	3.98	4.2	ug/L	
HMX	50	51.5	6.18	3.1	ug/L	
Nitrobenzene	50	53.8	2.48	7.6	ug/L	
RDX	50	52.0	5.42	4	ug/L	
Tetryl	50	44.8	3.83	10.5	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094552

Login Number: L0505398 Run Date: 05/23/2005 Sample ID: WG189555-03
Instrument ID: HPLC4 Run Time: 06:06 Method: 8330
File ID: 4L008189.F Analyst: RDC
Workgroup (AAB#): WG189556 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	52.9	2.24	5.7	ug/L	
1,3-Dinitrobenzene	50	52.1	1.64	4.2	ug/L	
2,4,6-Trinitrotoluene	50	54.0	2.29	7.9	ug/L	
2,4-Dinitrotoluene	50	52.0	2.00	4	ug/L	
2,6-Dinitrotoluene	50	50.8	3.33	1.7	ug/L	
2-Amino-4,6-Dinitrotoluene	50	51.3	2.80	2.6	ug/L	
2-Nitrotoluene	50	53.6	4.69	7.2	ug/L	
3-Nitrotoluene	50	48.2	4.67	3.5	ug/L	
4-Nitrotoluene	50	50.3	6.26	.6	ug/L	
4-Amino-2,6-Dinitrotoluene	50	52.4	3.96	4.8	ug/L	
HMX	50	49.4	6.47	1.2	ug/L	
Nitrobenzene	50	56.8	2.34	13.6	ug/L	
RDX	50	51.8	5.44	3.6	ug/L	
Tetryl	50	48.3	3.54	3.4	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094553

Login Number: L0505398 Run Date: 05/24/2005 Sample ID: WG189639-03
Instrument ID: HPLC4 Run Time: 07:14 Method: 8330
File ID: 4L008214.F Analyst: RDC
Workgroup (AAB#): WG189556 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	50.4	2.36	.7	ug/L	
1,3-Dinitrobenzene	50	50.3	1.70	.6	ug/L	
2,4,6-Trinitrotoluene	50	49.9	2.48	.1	ug/L	
2,4-Dinitrotoluene	50	50.3	2.07	.6	ug/L	
2,6-Dinitrotoluene	50	50.9	3.33	1.7	ug/L	
2-Amino-4,6-Dinitrotoluene	50	51.5	2.79	3	ug/L	
2-Nitrotoluene	50	48.5	5.24	3	ug/L	
3-Nitrotoluene	50	49.8	4.51	.4	ug/L	
4-Nitrotoluene	50	45.0	7.10	10.1	ug/L	
4-Amino-2,6-Dinitrotoluene	50	52.8	3.93	5.6	ug/L	
HMX	50	50.5	6.32	1	ug/L	
Nitrobenzene	50	52.2	2.56	4.3	ug/L	
RDX	50	51.2	5.50	2.5	ug/L	
Tetryl	50	45.4	3.78	9.3	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094554

Login Number: L0505398 Run Date: 05/24/2005 Sample ID: WG189639-04
Instrument ID: HPLC4 Run Time: 10:57 Method: 8330
File ID: 4L008220.F Analyst: RDC
Workgroup (AAB#): WG189556 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	50.1	2.37	.2	ug/L	
1,3-Dinitrobenzene	50	50.4	1.70	.9	ug/L	
2,4,6-Trinitrotoluene	50	49.8	2.49	.5	ug/L	
2,4-Dinitrotoluene	50	50.8	2.05	1.5	ug/L	
2,6-Dinitrotoluene	50	50.4	3.37	.8	ug/L	
2-Amino-4,6-Dinitrotoluene	50	51.3	2.81	2.6	ug/L	
2-Nitrotoluene	50	52.1	4.84	4.3	ug/L	
3-Nitrotoluene	50	49.6	4.53	.9	ug/L	
4-Nitrotoluene	50	47.5	6.68	5.1	ug/L	
4-Amino-2,6-Dinitrotoluene	50	51.1	4.06	2.2	ug/L	
HMX	50	48.8	6.55	2.3	ug/L	
Nitrobenzene	50	53.3	2.50	6.7	ug/L	
RDX	50	51.1	5.52	2.2	ug/L	
Tetryl	50	49.7	3.44	.5	ug/L	

* Exceeds %D Limit



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: LHAAP-028

Page 1 of 1

Project Number: 845714

Samples Shipment Date: 17 MAY 2005

Bill To: Diane Meyer

3010 Briarpark Drive

Houston

TX 77042

Project Name: Longhorn Army Ammunition Plant Lab Destination: Kemron Lab

Sample Coordinator: Phil Conley

Lab Contact: Stephanie Mossburg

Report To: Diane Meyer

3010 Briarpark Drive

Houston

TX 77042

Turnaround Time:

Project Contact: Diane Meyer

Carrier/Waybill No.: UPS/J178 825 537 1

Special Instructions:

Possible Hazard Identification:

Non-hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown ☐Radiological ☐

Sample Disposal:

Return to Client ☐Disposal by Lab ☐Archive ☐

(mos.)

1. Relinquished By
(Signature/Affiliation)Date: 5/17/05
Time: 17001. Received By
(Signature/Affiliation)Date: 5/18/05
Time: 09502. Relinquished By
(Signature/Affiliation)Date:
Time:2. Received By
(Signature/Affiliation)Date:
Time:3. Relinquished By
(Signature/Affiliation)Date:
Time:3. Received By
(Signature/Affiliation)Date:
Time:

Comments:

OK sealed
Spur contact
Cooler temp 4
by

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	File	CID	Condition On Receipt
051505-ER	29WW21-WA-051505-ER-ER	16 MAY 2005	15:00	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL132	
051605-ER	29WW21-WA-051605-ER-ER	16 MAY 2005	17:00	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL132	
29WW03-MAY05	29WW03-GW-29WW03-MAY05-REG	17 MAY 2005	13:10	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL132	
29WW04-MAY05	29WW04-GW-29WW04-MAY05-REG	17 MAY 2005	09:24	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL132	
29WW04-MAY05	29WW04-GW-29WW04-MAY05-D-FD	17 MAY 2005	09:24	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL132	

Login: L0505398

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 5

Due Date: 25-MAY-2005

Samplenum **Container ID** **Products**

L0505398-01 133949 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 14:46	BRG	
2	PREP	W1	EXT	19-MAY-2005 07:03	CEB	BRG
3	DISP	EXT	DISP	20-MAY-2005 08:25	JKT	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 14:46	BRG	
2	STORE	W1	A1	20-MAY-2005 08:11	CEB	CEB

Samplenum **Container ID** **Products**

L0505398-02 133950 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 14:46	BRG	
2	PREP	W1	EXT	19-MAY-2005 07:04	CEB	BRG
3	DISP	EXT	DISP	20-MAY-2005 08:26	JKT	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 14:46	BRG	
2	STORE	W1	A1	20-MAY-2005 08:12	CEB	CEB

Samplenum **Container ID** **Products**

L0505398-03 133951 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 14:46	BRG	
2	PREP	W1	EXT	19-MAY-2005 07:04	CEB	BRG
3	DISP	EXT	DISP	20-MAY-2005 08:25	JKT	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 14:46	BRG	
2	STORE	W1	A1	20-MAY-2005 08:11	CEB	CEB

KEMRON Environmental Services
Internal Chain of Custody Report

00094557

Login: L0505398
Account: SHAW-ALLIANCE-798
Project: 798-LONGHORN
Samples: 5
Due Date: 25-MAY-2005

Samplenum **Container ID** **Products**

L0505398-04 133952 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 14:46	BRG	
2	PREP	W1	EXT	19-MAY-2005 07:04	CEB	BRG
3	DISP	EXT	DISP	20-MAY-2005 08:26	JKT	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 14:46	BRG	
2	STORE	W1	A1	20-MAY-2005 08:12	CEB	CEB

Samplenum **Container ID** **Products**

L0505398-05 133953 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 14:46	BRG	
2	PREP	W1	EXT	19-MAY-2005 07:03	CEB	BRG
3	DISP	EXT	DISP	20-MAY-2005 08:26	JKT	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 14:46	BRG	
2	STORE	W1	A1	20-MAY-2005 08:11	CEB	CEB

SAMPLE RECEIPT FORM

00094558

Date: 5/18/05 Client: Shaw 950156 STARLITE DRIVE
MARIETTA, OH
45750
(740) 373-4071

Shipped By: () Fed-Ex () UPS () DHL () KEMRON () Client () Other

Opened By: Y29Logged By: Y29Login # L05 05398

IR Temp Gun: () D () F

COOLER INFORMATION

Number	Cooler ID	Temp °C	Airbill#	COC#	Other
1	KL397	1	J180 010 401 7	031	
2	KL1321	4	J1788255371	028	
3	KL1644	0	J180 010 402 6	030	
4	KL494	4	J178 825 538 0	029	
5					
6					

Were all coolers sealed?

Y N N/A

Were custody seals used on all coolers?

Y N N/A

Were custody seals intact?

Y N N/A

Was visible ice present?

Y N N/A

Were all coolers in the temperature range of 2-6C? (>6C*)

Y N N/A

Were the samples frozen?*

Y N N/A

Were COC papers provided?

Y N N/A

Were all sample containers intact?*

Y N N/A

Were all sample labels intact?

Y N N/A

Were all sample labels legible?*

Y N N/A

Did all sample labels match the COC?*

Y N N/A

Was the label information complete?*

Y N N/A

Were the correct containers used?*

Y N N/A

Were the correct preservatives added to water samples?*

Y N N/A

Was the pH tested on preserved water samples?

Y N N/A

Were pH ranges acceptable?*

Y N N/A

Was sufficient amount of sample provided?*

Y N N/A

Were bubbles present in VOA samples?*

Y N N/A

Were COC's signed and dated?

Y N N/A

Did samples arrive before hold time expired?*

Y N N/A

Are discrepancy forms attached?

Y N N/A

* Requires a discrepancy form

Comments: _____

CRF #1

Revised 8/22/03



156 Starlite Drive, Marietta, OH 45750 • TEL 740-373-4071 • FAX 740-373-4835 • <http://www.kemron.com>

Laboratory Report Number: L0505400

Please find enclosed the analytical results for the samples you submitted to KEMRON Environmental Services.

Review and compilation of your report was completed by KEMRON's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact our team member noted in the Reviewed box below at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

Debra Elliott - Team Leader
delliott@kemron-lab.com

Amanda Fickiesen - Client Services Specialist
afickiesen@kemron-lab.com

Cheryl Koelsch - Team Chemist/Data Specialist
ckoelsch@kemron-lab.com

Annie Bock - Client Services Specialist
abock@kemron-lab.com

Stephanie Mossburg - Team Chemist/Data Specialist
smossburg@kemron-lab.com

Vicki Lauer - Client Services Specialist
vlauer@kemron-lab.com

Kathy Albertson - Team Chemist/Data Specialist
kalbertson@kemron-lab.com

Micalyn Harris - Team Chemist/Data Specialist
mharris@kemron-lab.com

This report was reviewed on May 25, 2005:

A handwritten signature in cursive script, reading "Stephanie Mossburg".

I certify that all test results meet all of the requirements of the NELAP standards and other applicable contract terms and conditions. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on an 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of KEMRON Environmental Services.

This report was certified on May 25, 2005:

A handwritten signature in cursive script, reading "David E. Vandenberg".

FL DOH NELAP ID: E87551

This report contains a total of 34 pages.

Protecting Our Environmental Future

LABORATORY REPORT

L0505400

00094560

05/25/05 09:39

Submitted By

KEMRON Environmental Services

156 Starlite Drive

Marietta , OH 45750

(740) 373 - 4071

For

Account Name: Shaw E & I, Inc.

ABB Lummus Building

3010 Briarpark

Houston, TX 77042

Attention: Diane Mever

Account Number: 307-ALLIANCE-798

Work ID: LONGHORN AAP

P.O. Number: 98696

Sample Summary

Client ID	Lab ID	Date Collected	Date Received
29WW20-MAY05	L0505400-01	16-MAY-05	18-MAY-05
29WW30-MAY05	L0505400-02	16-MAY-05	18-MAY-05
29WW31-MAY05	L0505400-03	16-MAY-05	18-MAY-05
29WW32A-MAY05	L0505400-04	16-MAY-05	18-MAY-05
29WW33-MAY05	L0505400-05	16-MAY-05	18-MAY-05

Report Number: L0505400

Report Date : May 25, 2005

00094561

Sample Number: L0505400-01
 Client ID: 29WW20-MAY05
 Matrix: Water
 Workgroup Number: WG189556
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/19/2005 08:00
 Cal Date: 05/10/2005 17:19
 Run Date: 05/23/2005 03:00
 File ID: 4L008184.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.00	0.250
1,3-Dinitrobenzene	99-65-0		U	1.00	0.250
2,4,6-Trinitrotoluene	118-96-7		U	1.00	0.250
2,4-Dinitrotoluene	121-14-2	33.8	I	1.00	0.250
2,6-Dinitrotoluene	606-20-2	116	I	1.00	0.250
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.00	0.250
2-Nitrotoluene	88-72-2	423	I	1.00	0.250
3-Nitrotoluene	99-08-1	44.4	I	1.00	0.250
4-Nitrotoluene	99-99-0	391	I	1.00	0.250
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.00	0.250
HMX	2691-41-0		U	1.00	0.250
Nitrobenzene	98-95-3		U	1.00	0.250
RDX	121-82-4		U	1.00	0.250
Tetryl	479-45-8		U	1.00	0.250
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	278	50	150	*, SMI	

*, SMI *, SMI

I Semiquantitative result (out of instrument calibration range)

U Not detected at or above adjusted sample detection limit

Sample Number: L0505400-01
 Client ID: 29WW20-MAY05
 Matrix: Water
 Workgroup Number: WG189556
 Collect Date: 16-MAY-05
 Sample Tag: DL01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 5
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/19/2005 08:00
 Cal Date: 05/10/2005 17:19
 Run Date: 05/24/2005 08:28
 File ID: 4L008216.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	5.00	1.25
1,3-Dinitrobenzene	99-65-0		U	5.00	1.25
2,4,6-Trinitrotoluene	118-96-7		U	5.00	1.25
2,4-Dinitrotoluene	121-14-2	32.4		5.00	1.25
2,6-Dinitrotoluene	606-20-2	115	I	5.00	1.25
2-Amino-4,6-dinitrotoluene	35572-78-2		U	5.00	1.25
2-Nitrotoluene	88-72-2	413	I	5.00	1.25
3-Nitrotoluene	99-08-1	43.3		5.00	1.25
4-Nitrotoluene	99-99-0	382	I	5.00	1.25
4-Amino-2,6-dinitrotoluene	19406-51-0		U	5.00	1.25
HMX	2691-41-0		U	5.00	1.25
Nitrobenzene	98-95-3		U	5.00	1.25
RDX	121-82-4		U	5.00	1.25
Tetryl	479-45-8		U	5.00	1.25
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	40.6	50	150	SMI	

I Semiquantitative result (out of instrument calibration range)

SMI Sample matrix interference on surrogate

U Not detected at or above adjusted sample detection limit

Report Number: L0505400

Report Date : May 25, 2005

00094562

Sample Number: L0505400-01
 Client ID: 29WW20-MAY05
 Matrix: Water
 Workgroup Number: WG189556
 Collect Date: 16-MAY-05
 Sample Tag: DL02

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 25
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/19/2005 08:00
 Cal Date: 05/10/2005 17:19
 Run Date: 05/24/2005 09:05
 File ID: 4L008217.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	25.0	6.25
1,3-Dinitrobenzene	99-65-0		U	25.0	6.25
2,4,6-Trinitrotoluene	118-96-7		U	25.0	6.25
2,4-Dinitrotoluene	121-14-2	31.8		25.0	6.25
2,6-Dinitrotoluene	606-20-2	112		25.0	6.25
2-Amino-4,6-dinitrotoluene	35572-78-2		U	25.0	6.25
2-Nitrotoluene	88-72-2	409	I	25.0	6.25
3-Nitrotoluene	99-08-1	43.8		25.0	6.25
4-Nitrotoluene	99-99-0	378	I	25.0	6.25
4-Amino-2,6-dinitrotoluene	19406-51-0		U	25.0	6.25
HMX	2691-41-0		U	25.0	6.25
Nitrobenzene	98-95-3		U	25.0	6.25
RDX	121-82-4		U	25.0	6.25
Tetryl	479-45-8		U	25.0	6.25
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene		50	150	DL	

DL Surrogate or spike compound was diluted out

I Semiquantitative result (out of instrument calibration range)

U Not detected at or above adjusted sample detection limit

Sample Number: L0505400-01
 Client ID: 29WW20-MAY05
 Matrix: Water
 Workgroup Number: WG189556
 Collect Date: 16-MAY-05
 Sample Tag: DL03

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 100
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/19/2005 08:00
 Cal Date: 05/10/2005 17:19
 Run Date: 05/24/2005 09:43
 File ID: 4L008218.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	100	25.0
1,3-Dinitrobenzene	99-65-0		U	100	25.0
2,4,6-Trinitrotoluene	118-96-7		U	100	25.0
2,4-Dinitrotoluene	121-14-2	31.3	J	100	25.0
2,6-Dinitrotoluene	606-20-2	106		100	25.0
2-Amino-4,6-dinitrotoluene	35572-78-2		U	100	25.0
2-Nitrotoluene	88-72-2	401		100	25.0
3-Nitrotoluene	99-08-1	41.0	J	100	25.0
4-Nitrotoluene	99-99-0	374		100	25.0
4-Amino-2,6-dinitrotoluene	19406-51-0		U	100	25.0
HMX	2691-41-0		U	100	25.0
Nitrobenzene	98-95-3		U	100	25.0
RDX	121-82-4		U	100	25.0
Tetryl	479-45-8		U	100	25.0
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene		50	150	DL	

DL Surrogate or spike compound was diluted out

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Report Number: L0505400

Report Date : May 25, 2005

00094563

Sample Number: L0505400-02
 Client ID: 29WW30-MAY05
 Matrix: Water
 Workgroup Number: WG189556
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/19/2005 08:00
 Cal Date: 05/10/2005 17:19
 Run Date: 05/23/2005 03:37
 File ID: 4L008185.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.02	0.255
1,3-Dinitrobenzene	99-65-0		U	1.02	0.255
2,4,6-Trinitrotoluene	118-96-7		U	1.02	0.255
2,4-Dinitrotoluene	121-14-2		U	1.02	0.255
2,6-Dinitrotoluene	606-20-2		U	1.02	0.255
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.02	0.255
2-Nitrotoluene	88-72-2		U	1.02	0.255
3-Nitrotoluene	99-08-1		U	1.02	0.255
4-Nitrotoluene	99-99-0		U	1.02	0.255
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.02	0.255
HMX	2691-41-0		U	1.02	0.255
Nitrobenzene	98-95-3		U	1.02	0.255
RDX	121-82-4		U	1.02	0.255
Tetryl	479-45-8		U	1.02	0.255
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	90.7	50	150		

U Not detected at or above adjusted sample detection limit

Sample Number: L0505400-03
 Client ID: 29WW31-MAY05
 Matrix: Water
 Workgroup Number: WG189556
 Collect Date: 16-MAY-05
 Sample Tag: 01

Prep Method: 3535
 Analytical Method: 8330
 Analyst: RDC
 Dilution: 1
 Units: ug/L

Instrument: HPLC4
 Prep Date: 05/19/2005 08:00
 Cal Date: 05/10/2005 17:19
 Run Date: 05/23/2005 04:14
 File ID: 4L008186.F

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.02	0.255
1,3-Dinitrobenzene	99-65-0		U	1.02	0.255
2,4,6-Trinitrotoluene	118-96-7		U	1.02	0.255
2,4-Dinitrotoluene	121-14-2		U	1.02	0.255
2,6-Dinitrotoluene	606-20-2		U	1.02	0.255
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.02	0.255
2-Nitrotoluene	88-72-2		U	1.02	0.255
3-Nitrotoluene	99-08-1		U	1.02	0.255
4-Nitrotoluene	99-99-0		U	1.02	0.255
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.02	0.255
HMX	2691-41-0		U	1.02	0.255
Nitrobenzene	98-95-3		U	1.02	0.255
RDX	121-82-4		U	1.02	0.255
Tetryl	479-45-8		U	1.02	0.255
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	89.8	50	150		

U Not detected at or above adjusted sample detection limit

Report Number: **L0505400**Report Date : **May 25, 2005****00094564**

Sample Number: **L0505400-04**
 Client ID: **29WW32A-MAY05**
 Matrix: **Water**
 Workgroup Number: **WG189556**
 Collect Date: **16-MAY-05**
 Sample Tag: **01**

Prep Method: **3535**
 Analytical Method: **8330**
 Analyst: **RDC**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPLC4**
 Prep Date: **05/19/2005 08:00**
 Cal Date: **05/10/2005 17:19**
 Run Date: **05/23/2005 04:52**
 File ID: **4L008187.F**

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.10	0.275
1,3-Dinitrobenzene	99-65-0		U	1.10	0.275
2,4,6-Trinitrotoluene	118-96-7		U	1.10	0.275
2,4-Dinitrotoluene	121-14-2		U	1.10	0.275
2,6-Dinitrotoluene	606-20-2		U	1.10	0.275
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.10	0.275
2-Nitrotoluene	88-72-2		U	1.10	0.275
3-Nitrotoluene	99-08-1		U	1.10	0.275
4-Nitrotoluene	99-99-0		U	1.10	0.275
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.10	0.275
HMX	2691-41-0		U	1.10	0.275
Nitrobenzene	98-95-3		U	1.10	0.275
RDX	121-82-4		U	1.10	0.275
Tetryl	479-45-8		U	1.10	0.275
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	85.6	50	150		

U Not detected at or above adjusted sample detection limit

Sample Number: **L0505400-05**
 Client ID: **29WW33-MAY05**
 Matrix: **Water**
 Workgroup Number: **WG189556**
 Collect Date: **16-MAY-05**
 Sample Tag: **01**

Prep Method: **3535**
 Analytical Method: **8330**
 Analyst: **RDC**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPLC4**
 Prep Date: **05/19/2005 08:00**
 Cal Date: **05/10/2005 17:19**
 Run Date: **05/23/2005 05:29**
 File ID: **4L008188.F**

Analyte	CAS. Number	Result	Qual	RL	MDL
1,3,5-Trinitrobenzene	99-35-4		U	1.05	0.263
1,3-Dinitrobenzene	99-65-0		U	1.05	0.263
2,4,6-Trinitrotoluene	118-96-7		U	1.05	0.263
2,4-Dinitrotoluene	121-14-2		U	1.05	0.263
2,6-Dinitrotoluene	606-20-2		U	1.05	0.263
2-Amino-4,6-dinitrotoluene	35572-78-2		U	1.05	0.263
2-Nitrotoluene	88-72-2		U	1.05	0.263
3-Nitrotoluene	99-08-1		U	1.05	0.263
4-Nitrotoluene	99-99-0		U	1.05	0.263
4-Amino-2,6-dinitrotoluene	19406-51-0		U	1.05	0.263
HMX	2691-41-0		U	1.05	0.263
Nitrobenzene	98-95-3		U	1.05	0.263
RDX	121-82-4		U	1.05	0.263
Tetryl	479-45-8		U	1.05	0.263
Surrogate	% Recovery	Lower	Upper	Qual	
3,4-Dinitrotoluene	98.8	50	150		

U Not detected at or above adjusted sample detection limit

WORKGROUP SUMMARY BY METHOD

Analysis:Explosives

Extraction Method:3535

Workgroup:WG189353

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505400-01	29WW20-MAY05		05/19/05 08:00			SPE	CEB
L0505400-02	29WW30-MAY05		05/19/05 08:00			SPE	CEB
L0505400-03	29WW31-MAY05		05/19/05 08:00			SPE	CEB
L0505400-04	29WW32A-MAY05		05/19/05 08:00			SPE	CEB
L0505400-05	29WW33-MAY05		05/19/05 08:00			SPE	CEB

Analysis:Explosives

Analytical Method:8330

Workgroup:WG189556

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505400-01	29WW20-MAY05		05/19/05 08:00	05/23/05 03:00	01	HPLC4	RDC
L0505400-01	29WW20-MAY05		05/19/05 08:00	05/24/05 08:28	DL01	HPLC4	RDC
L0505400-01	29WW20-MAY05		05/19/05 08:00	05/24/05 09:05	DL02	HPLC4	RDC
L0505400-01	29WW20-MAY05		05/19/05 08:00	05/24/05 09:43	DL03	HPLC4	RDC
L0505400-02	29WW30-MAY05		05/19/05 08:00	05/23/05 03:37	01	HPLC4	RDC
L0505400-03	29WW31-MAY05		05/19/05 08:00	05/23/05 04:14	01	HPLC4	RDC
L0505400-04	29WW32A-MAY05		05/19/05 08:00	05/23/05 04:52	01	HPLC4	RDC
L0505400-05	29WW33-MAY05		05/19/05 08:00	05/23/05 05:29	01	HPLC4	RDC

Kemron Environmental Services
Analyst Listing May 25, 2005

AJF - AMANDA J. FICKIESEN	ALB - ANNIE L. BOCK	ALT - ANN L. THAYER
BRG - BRENDA R. GREGORY	CAF - CHERYL A. FLOWERS	CAK - CHERYL A. KOELSCH
CEB - CHAD E. BARNES	CLC - CHRYS L. CRAWFORD	CLK - CARL L. KING
CLS - CARA L. STRICKLER	CLW - CHARISSA L. WINTERS	CM - CHARLIE MARTIN
CMS - CRYSTAL M. STEPHENS	CPD - CHAD P. DAVIS	CRC - CARLA R. COCHRAN
CSH - CHRIS S. HILL	DAS - DALLAS A. SULLIVAN	DD - DIANE M. DENNIS
DDE - DEBRA D. ELLIOTT	DEL - DON E. LIGHTFRITZ	DEV - DAVID E. VANDENBERG
DGB - DOUGLAS G. BUTCHER	DIH - DEANNA I. HESSON	DLB - DAVID L. BUMGARNER
DLP - DOROTHY L. PAYNE	DLR - DIANNA L. RAUCH	DP - DEANNA L. PIERSON
DR - DEANNA ROBERTS	DRB - DOUG R. BARNETT	DSM - DAVID S. MOSSOR
DST - DENNIS S. TEPE	ECL - ERIC C. LAWSON	ED - EMILY E. DECKER
HAV - HEMA VILASAGAR	JAL - JOHN A. LENT	JJG - JOHN J. GREUEY
JKT - JANE K. THOMPSON	JLS - JANICE L. SCHIMMEL	JWR - JOHN W. RICHARDS
JWS - JACK W. SHEAVES	JYH - JI Y. HU	KEB - KATHRYN E. BARNES
KHR - KIM H. RHODES	KRA - KATHY R. ALBERTSON	LKN - LINDA K. NEDEFF
LSA - LUCINDA S. ARNOLD	LSB - LESLIE S. BUCINA	MAH - MICALYN A. HARRIS
MDA - MICHAEL D. ALBERTSON	MDC - MICHAEL D. COCHRAN	MES - MARY E. SCHILLING
MKZ - MARILYN K. ZUMBRO	MLR - MARY L. ROCHOTTE	MLS - MICHAEL L. SCHIMMEL
MMB - MAREN M. BEERY	MSW - MATT S. WILSON	NJB - NATALIE J. BOOTH
OGT - OKEY G. TUCKER	PAS - PATRICK A. STREET	RB - ROBERT BUCHANAN
RDC - REBECCA D. CUTLIP	REK - ROBERT E. KYER	RWC - RODNEY W. CAMPBELL
SCM - SUSAN C. MOELLENDICK	SK - SANDRA KEENER	SLM - STEPHANIE L. MOSSBURG
SLP - SHERI L. PFALZGRAF	SMH - SHAUNA M. HYDE	TD - TIMOTHY DYSERT
TMM - TAMMY M. MORRIS	VC - VICKI COLLIER	VKL - VICKY K. LAUER

KEMRON Environmental Services, Inc.

List of Valid Qualifiers

May 25, 2005

These are KEMRON's standard report qualifiers:

B	Present in the method blank	NS	Not spiked
C	Confirmed by GC/MS	P	Concentration >40% difference between the two GC columns
CG	Confluent growth	QNS	Quantity not sufficient to perform analysis
D	The analyte was quantified as a secondary dilution factor	RA	Reanalysis confirms reported results
DL	Surrogate or spike was diluted out	RE	Reanalysis confirms sample matrix interference
E	Estimated concentration due to sample matrix interference	S	Analyzed by method of standard addition
FL	Free liquid	SMI	Sample matrix interference on surrogate
I	Semi-quantitative result, out of instrument calibration range	SP	Reported results are for spike compounds only
J	Present below normal reporting limit	TNTC	Too numerous to count
L	Sample reporting limits elevated due to matrix interference	U	Analyzed for but not detected
N	Tentatively Identified Compound (TIC)	W	Post-digestion spike for furnace AA out of control limits
NA	Not applicable	X	Exceeds regulatory limit
ND	Not detected at or above the reporting limit (RL)	Z	Can not be resolved from isomer.***
NF	Not found	+	Correlation coefficient for the MSA is less than 0.995
NFL	No free liquid	<	Less than
NI	Non-ignitable	>	Greater than
		*	Surrogate or spike compound out of range

*****Special Notes for Organic Analytes**

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound and are matrix dependent.

AFCEE Qualifiers

These are KEMRON's AFCEE Report Qualifiers

- J** The analyte was positively identified, the quantitation is an estimation.
- U** The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL
- F** The analyte was positively identified by the associated numerical value is below the RL
- R** The data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria
- B** The analyte was found in an associated blank, as well as in the sample
- M** The matrix effect was present
- S** To be applied to all field screening data
- T** Tentatively identified compound (using GC/MS)

Organic QA/QC

Figure 1
Semi-Volatile GC Checklist

Run Date: 5-10-05
 Analyst: ECL
 Instrument: HPLC4
 Method: 8330

Login no. Due Date Priority

05-084 need rerun

		Analyst	Peer
System Performance Check:	Endrin/DDT Breakdown		
Initial Calibration:	ICAL summary	✓	✓
	Linear or quadratic regression	✓	✓
	Alt Source Check	✓	✓
Continuing Calibration:	Continuing Calibration	✓	✓
	Ending standards	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD	✓	✓
Samples:	Quant Reports/Chromatograms	✓	✓
	Mass spectra		
	Surrogates	✓	✓
	Dilution runs		
	Confirmations	NA	
	Correct Factors	✓	✓
	Manual integrations	✓	✓
Data Package:	Run logs	✓	✓
	Bench sheets		
	Upload results		
	QC forms		
	Seedpak workgroups		
Client Data	Data scanned		
	Integrations digitally signed	✓	
	Level 2 pdf files		
	Level 3/Level x		
	Level 4 copies		
	Case narratives		
		Supervisor	
	Integrations digitally cosigned	✓	
	Corrective Action		
	Results Reporting/Data Qualifiers		
	Client Data/digital signatures		
	Check for Completeness	✓	
	Check for compliance with method and project requirements	✓	
	Check the reasonableness of results	✓	

✓ = Checked & OK

NA = Not Applicable

Primary Reviewer:

ECL 5-11-05

Secondary Reviewer:

not signed

Comments:

Semi-Volatile HPLC Checklist

Run Date: 22-MAY-2005Analyst: RDCInstrument: HPLC4Method: 8330

Login no.	Due Date	Priority
05-344	24-May-05	F3
05-398	24-May-05	F3
05-400	24-May-05	F3

		Analyst	Peer
Initial Calibration:	ICAL summary		
	Linear or quadratic regression		
	Alt Source Check		
Continuing Calibration:	Continuing Calibration	✓	✓
	Ending Standards	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD	✓	✓
Samples:	Quant Reports/Chromatograms	✓	✓
	TCL Hits	✓	✓
	Surrogates	✓	✓
	Dilution runs		
	Confirmations		
	Correct Factors		
	Manual integrations	✓	✓
Data Package:	Run logs	✓	✓
	Bench sheets	✓	✓
	Upload results	✓	✓
	QC forms	✓	✓
	Seedpak workgroups	✓	✓
Client Data	Data scanned		
	Level 2 pdf files		
	Level 3/Level x		
	Level 4 copies		
	Case narratives		
	Integrations digitally signed	✓	
	Supervisor		
Corrective Action:			
Results Reporting/Data Qualifiers:		✓	
Client Data/digital signatures			
Check for Completeness:		✓	
Check for compliance with method and project requirements:		✓	
Check the reasonableness of results:		✓	

✓ = Checked & OK

NA = Not Applicable

Primary Reviewer: _____

Secondary Reviewer: _____

Comments: _____

05-398-03 & 05-400-01 need RR @ dil'n.

Semi-Volatile HPLC Checklist

Run Date: 23-MAY-2005Analyst: RDCInstrument: HPLC4Method: 8330

Login no.	Due Date	Priority
05-338	24-May-05	F3
05-341	24-May-05	F3
05-342	24-May-05	F3
05-398	24-May-05	F3
05-400	24-May-05	F3

		Analyst	Peer
Initial Calibration:	ICAL summary		
	Linear or quadratic regression		
	Alt Source Check		
Continuing Calibration:	Continuing Calibration	✓	✓
	Ending Standards	✓	✓
	Client Specific Requirements	✓	✓
	Special Standards		
Blanks:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
LCS/LCS DUP:	Quant Report/Chromatogram	✓	✓
	Surrogates	✓	✓
	Spike Compounds	✓	✓
	MS/MSD		
Samples:	Quant Reports/Chromatograms	✓	✓
	TCL Hits	✓	✓
	Surrogates	✓	✓
	Dilution runs		
	Confirmations		
	Correct Factors		
	Manual integrations	✓	✓
Data Package:	Run logs	✓	✓
	Bench sheets	✓	✓
	Upload results	✓	✓
	QC forms	✓	✓
	Seedpak workgroups	✓	✓
Client Data	Data scanned		
	Level 2 pdf files		
	Level 3/Level x		
	Level 4 copies		
	Case narratives		
	Integrations digitally signed	✓	
	Supervisor		
Corrective Action:			
Results Reporting/Data Qualifiers:		✓	
Client Data/digital signatures		✓	
Check for Completeness:		✓	
Check for compliance with method and project requirements:		✓	
Check the reasonableness of results:		✓	

✓ = Checked & OK

NA = Not Applicable

Primary Reviewer: _____

Secondary Reviewer: _____

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00094573

Analytical Method: 8330
Login Number: L0505400

AAB#: WG189556

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
29WW20-MAY05	05/16/05	05/18/05	05/19/05	7	2.68	05/23/05	40	3.79	
29WW20-MAY05	05/16/05	05/18/05	05/19/05	7	2.68	05/24/05	40	5.02	
29WW20-MAY05	05/16/05	05/18/05	05/19/05	7	2.68	05/24/05	40	5.05	
29WW20-MAY05	05/16/05	05/18/05	05/19/05	7	2.68	05/24/05	40	5.07	
29WW30-MAY05	05/16/05	05/18/05	05/19/05	7	2.82	05/23/05	40	3.82	
29WW31-MAY05	05/16/05	05/18/05	05/19/05	7	2.67	05/23/05	40	3.84	
29WW32A-MAY05	05/16/05	05/18/05	05/19/05	7	2.77	05/23/05	40	3.87	
29WW33-MAY05	05/16/05	05/18/05	05/19/05	7	2.63	05/23/05	40	3.90	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

SURROGATE STANDARDS

Login Number: L0505400
Instrument Id: HPLC4
Workgroup (AAB#): WG189556

Method: 8330
CAL ID: HPLC4 - 10-MAY-05
Matrix: WATER

Sample Number	Dilution	Tag	1
L0505400-01	1.00	01	<u>278</u>
L0505400-01	5.00	DL01	<u>40.6</u>
L0505400-01	25.0	DL02	DL
L0505400-01	100	DL03	DL
L0505400-02	1.00	01	90.7
L0505400-03	1.00	01	89.8
L0505400-04	1.00	01	85.6
L0505400-05	1.00	01	98.8
WG189353-02	1.00	01	90.2
WG189353-03	1.00	01	101

Surrogates	Surrogate Limits
1 - 3,4-Dinitrotoluene	50 - 150

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

Login Number: L0505400
Blank File ID: 4L008171.F
Date Analyzed: 05/22/05
Time Analyzed: 18:56
Analyst: RDC

Work Group: WG189556
Blank Sample ID: WG189353-02
Instrument ID: HPLC4
Method: 8330

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG189353-03	4L008172.F	05/22/05 19:33	01
29WW20-MAY05	L0505400-01	4L008184.F	05/23/05 03:00	01
29WW30-MAY05	L0505400-02	4L008185.F	05/23/05 03:37	01
29WW31-MAY05	L0505400-03	4L008186.F	05/23/05 04:14	01
29WW32A-MAY05	L0505400-04	4L008187.F	05/23/05 04:52	01
29WW33-MAY05	L0505400-05	4L008188.F	05/23/05 05:29	01
29WW20-MAY05	L0505400-01	4L008216.F	05/24/05 08:28	DL01
29WW20-MAY05	L0505400-01	4L008217.F	05/24/05 09:05	DL02
29WW20-MAY05	L0505400-01	4L008218.F	05/24/05 09:43	DL03

Login Number: L0505400 Run Date: 05/22/2005 Sample ID: WG189353-02
 Instrument ID: HPLC4 Run Time: 18:56 Prep Method: 3535
 File ID: 4L008171.F Analyst: RDC Method: 8330
 Workgroup (AAB#): WG189556 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPLC4 - 10-MAY-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
1,3,5-Trinitrobenzene	0.250	1.00	0.250	1	U
1,3-Dinitrobenzene	0.250	1.00	0.250	1	U
2,4,6-Trinitrotoluene	0.250	1.00	0.250	1	U
2,4-Dinitrotoluene	0.250	1.00	0.250	1	U
2,6-Dinitrotoluene	0.250	1.00	0.250	1	U
2-Amino-4,6-dinitrotoluene	0.250	1.00	0.250	1	U
2-Nitrotoluene	0.250	1.00	0.250	1	U
3-Nitrotoluene	0.250	1.00	0.250	1	U
4-Nitrotoluene	0.250	1.00	0.250	1	U
4-Amino-2,6-dinitrotoluene	0.250	1.00	0.250	1	U
HMX	0.250	1.00	0.250	1	U
Nitrobenzene	0.250	1.00	0.250	1	U
RDX	0.250	1.00	0.250	1	U
Tetryl	0.250	1.00	0.250	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
3,4-Dinitrotoluene	90.2	50 - 150	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

ND Analyte Not detected at or above reporting limit

Login Number: L0505400 Run Date: 05/22/2005 Sample ID: WG189353-03
 Instrument ID: HPLC4 Run Time: 19:33 Prep Method: 3535
 File ID: 4L008172.F Analyst: RDC Method: 8330
 Workgroup (AAB#): WG189556 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPLC4-10-MAY-2005

Analytes	Expected	Found	% Rec	LCS Limits	Q
1,3,5-Trinitrobenzene	1.00	0.848	84.8	58 - 120	
1,3-Dinitrobenzene	1.00	0.993	99.3	68 - 135	
2,4,6-Trinitrotoluene	1.00	0.886	88.6	27 - 137	
2,4-Dinitrotoluene	1.00	0.963	96.3	69 - 109	
2,6-Dinitrotoluene	1.00	0.983	98.3	55 - 121	
2-Amino-4,6-dinitrotoluene	1.00	0.997	99.7	72 - 112	
2-Nitrotoluene	1.00	0.973	97.3	67 - 121	
3-Nitrotoluene	1.00	0.971	97.1	66 - 110	
4-Nitrotoluene	1.00	0.950	95.0	68 - 110	
4-Amino-2,6-dinitrotoluene	1.00	1.01	101	74 - 116	
HMX	1.00	0.832	83.2	54 - 99	
Nitrobenzene	1.00	1.07	107	70 - 131	
RDX	1.00	0.788	78.8	60 - 116	
Tetryl	1.00	0.841	84.1	10 - 147	

Surrogates	% Recovery	Surrogate Limits	Qualifier
3,4-Dinitrotoluene	101	50 - 150	PASS

* FAILS %REC LIMIT

Login Number: L0505400
Analytical Method: 8330
ICAL Workgroup: WG188649

Instrument ID: HPLC4
Initial Calibration Date: 10-MAY-05

Analyte		AVG RF	% RSD	R2	QUAD
1,3,5-Trinitrobenzene		2.337	3.55		
1,3-Dinitrobenzene		1.680	2.16		
2,4,6-Trinitrotoluene		2.420	2.92		
2,4-Dinitrotoluene		2.053	1.99		
2,6-Dinitrotoluene		3.328	2.02		
2-Amino-4,6-Dinitrotoluene		2.838	1.80		
2-Nitrotoluene		5.137	10.8		
3-Nitrotoluene		4.488	9.41		
4-Amino-2,6-Dinitrotoluene		4.191	5.77		
4-Nitrotoluene		6.412	14.3		
HMX		6.434	6.84		
Nitrobenzene		2.624	2.59		
RDX		5.492	5.79		
Tetryl		3.326	4.67		
3,4-Dinitrotoluene		4.439	1.93		

Login Number: L0505400
 Analytical Method: 8330

Instrument ID: HPLC4
 Initial Calibration Date: 10-MAY-05

Analyte	WG188649-01			WG188649-02		
	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	1000	446.747985839 844	2.238	500	217.363265991 211	2.300
1,3-Dinitrobenzene	1000	610.393554687 5	1.638	500	297.770141601 562	1.679
2,4,6-Trinitrotoluene	1000	423.587219238 281	2.361	500	205.149398803 711	2.437
2,4-Dinitrotoluene	1000	491.474548339 844	2.035	500	241.727981567 383	2.068
2,6-Dinitrotoluene	1000	306.740966796 875	3.260	500	150.109741210 938	3.331
2-Amino-4,6-Dinitrotoluene	1000	356.675018310 547	2.804	500	174.739929199 219	2.861
2-Nitrotoluene	1000	217.673385620 117	4.594	500	106.485511779 785	4.695
3-Nitrotoluene	1000	241.557525634 766	4.140	500	119.209320068 359	4.194
4-Amino-2,6-Dinitrotoluene	1000	245.562728881 836	4.072	500	121.182357788 086	4.126
4-Nitrotoluene	1000	176.280899047 852	5.673	500	86.6534042358 398	5.770
HMX	1000	167.391983032 227	5.974	500	83.7672042846 68	5.969
Nitrobenzene	1000	391.546417236 328	2.554	500	190.168502807 617	2.629
RDX	1000	197.137145996 094	5.073	500	95.2293777465 82	5.250
Tetryl	1000	302.889862060 547	3.302	500	148.361892700 195	3.370
3,4-Dinitrotoluene	1000	228.897964477 539	4.369	500	111.949325561 523	4.466

Login Number: L0505400
 Analytical Method: 8330

Instrument ID: HPLC4
 Initial Calibration Date: 10-MAY-05

Analyte	WG188649-03			WG188649-04		
	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	100	43.9480476379 395	2.275	50.0	20.9770450592 041	2.384
1,3-Dinitrobenzene	100	61.0492401123 047	1.638	50.0	29.0301837921 143	1.722
2,4,6-Trinitrotoluene	100	42.4625701904 297	2.355	50.0	19.8592967987 061	2.518
2,4-Dinitrotoluene	100	49.4773139953 613	2.021	50.0	23.4665546417 236	2.131
2,6-Dinitrotoluene	100	30.5008087158 203	3.279	50.0	14.5424079895 02	3.438
2-Amino-4,6-Dinitrotoluene	100	35.8206291198 73	2.792	50.0	17.3286323547 363	2.885
2-Nitrotoluene	100	21.1161098480 225	4.736	50.0	9.81066989898 682	5.096
3-Nitrotoluene	100	22.8780727386 475	4.371	50.0	10.5555210113 525	4.737
4-Amino-2,6-Dinitrotoluene	100	24.9738521575 928	4.004	50.0	11.9111776351 929	4.198
4-Nitrotoluene	100	16.7205638885 498	5.981	50.0	7.19282722473 145	6.951
HMX	100	16.1851272583 008	6.179	50.0	7.32371282577 515	6.827
Nitrobenzene	100	39.1169166564 941	2.556	50.0	18.6831703186 035	2.676
RDX	100	18.7005863189 697	5.347	50.0	8.75935649871 826	5.708
Tetryl	100	30.3004760742 188	3.300	50.0	14.2716827392 578	3.503
3,4-Dinitrotoluene	100	23.1127471923 828	4.327	50.0	11.2356529235 84	4.450

Login Number: L0505400
 Analytical Method: 8330

Instrument ID: HPLC4
 Initial Calibration Date: 10-MAY-05

Analyte	WG188649-05			WG188649-06		
	CONC	RESP	RF	CONC	RESP	RF
1,3,5-Trinitrobenzene	25.0	10.6327896118 164	2.351	10.0	4.04599857330 322	2.472
1,3-Dinitrobenzene	25.0	14.5816869735 718	1.714	10.0	5.93036365509 033	1.686
2,4,6-Trinitrotoluene	25.0	10.5805749893 188	2.363	10.0	4.02031326293 945	2.487
2,4-Dinitrotoluene	25.0	12.3679714202 881	2.021	10.0	4.89648914337 158	2.042
2,6-Dinitrotoluene	25.0	7.61175775527 954	3.284	10.0	2.96465897560 12	3.373
2-Amino-4,6-Dinitrotoluene	25.0	8.97884654998 779	2.784	10.0	3.44587087631 226	2.902
2-Nitrotoluene	25.0	4.36431169509 888	5.728	10.0	1.67381870746 613	5.974
3-Nitrotoluene	25.0	5.99579048156 738	4.170	10.0	1.88199961185 455	5.313
4-Amino-2,6-Dinitrotoluene	25.0	6.19186067581 177	4.038	10.0	2.12365388870 239	4.709
4-Nitrotoluene	25.0	4.35747051239 014	5.737	10.0	1.19627869129 181	8.359
HMX	25.0	3.66805291175 842	6.816	10.0	1.46236836910 248	6.838
Nitrobenzene	25.0	9.61166191101 074	2.601	10.0	3.66661310195 923	2.727
RDX	25.0	4.40615510940 552	5.674	10.0	1.69513332843 781	5.899
Tetryl	25.0	7.30986118316 65	3.420	10.0	3.26436543464 661	3.063
3,4-Dinitrotoluene	25.0	5.61809825897 217	4.450	10.0	2.18606066703 796	4.574

KEMRON Environmental Services
ALTERNATE SOURCE CALIBRATION REPORT

00094582

Login Number: L0505400 Run Date: 05/10/2005 Sample ID: WG188649-07
Instrument ID: HPLC4 Run Time: 17:56 Method: 8330
File ID: 4L007976.F Analyst: 833
ICal Workgroup: WG188649 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	52.7	2.25	5.5	ug/L	
1,3-Dinitrobenzene	50	51.8	1.65	3.5	ug/L	
2,4,6-Trinitrotoluene	50	55.3	2.23	10.5	ug/L	
2,4-Dinitrotoluene	50	57.0	1.82	14.1	ug/L	
2,6-Dinitrotoluene	50	54.6	3.10	9.2	ug/L	
2-Amino-4,6-Dinitrotoluene	50	55.1	2.61	10.2	ug/L	
2-Nitrotoluene	50	48.3	5.26	3.3	ug/L	
3-Nitrotoluene	50	51.2	4.38	2.4	ug/L	
4-Nitrotoluene	50	45.1	7.07	9.7	ug/L	
4-Amino-2,6-Dinitrotoluene	50	56.1	3.69	12.2	ug/L	
HMX	50	50.6	6.30	1.2	ug/L	
Nitrobenzene	50	51.9	2.58	3.8	ug/L	
RDX	50	54.4	5.15	8.7	ug/L	
Tetryl	50	55.1	3.09	10.2	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094583

Login Number: L0505400 Run Date: 05/22/2005 Sample ID: WG189555-01
Instrument ID: HPLC4 Run Time: 18:19 Method: 8330
File ID: 4L008170.F Analyst: RDC
Workgroup (AAB#): WG189556 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	51.1	2.33	2.1	ug/L	
1,3-Dinitrobenzene	50	52.4	1.63	4.7	ug/L	
2,4,6-Trinitrotoluene	50	55.0	2.24	10.1	ug/L	
2,4-Dinitrotoluene	50	53.2	1.96	6.4	ug/L	
2,6-Dinitrotoluene	50	53.1	3.19	6.2	ug/L	
2-Amino-4,6-Dinitrotoluene	50	52.2	2.76	4.3	ug/L	
2-Nitrotoluene	50	52.6	4.79	5.2	ug/L	
3-Nitrotoluene	50	50.0	4.49	.1	ug/L	
4-Nitrotoluene	50	54.3	5.76	8.5	ug/L	
4-Amino-2,6-Dinitrotoluene	50	50.7	4.09	1.5	ug/L	
HMX	50	49.8	6.42	.5	ug/L	
Nitrobenzene	50	53.7	2.49	7.3	ug/L	
RDX	50	52.9	5.31	5.8	ug/L	
Tetryl	50	44.2	3.88	11.5	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094584

Login Number: L0505400 Run Date: 05/23/2005 Sample ID: WG189555-02
Instrument ID: HPLC4 Run Time: 01:08 Method: 8330
File ID: 4L008181.F Analyst: RDC
Workgroup (AAB#): WG189556 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	51.7	2.30	3.4	ug/L	
1,3-Dinitrobenzene	50	51.9	1.65	3.9	ug/L	
2,4,6-Trinitrotoluene	50	53.1	2.33	6.2	ug/L	
2,4-Dinitrotoluene	50	52.1	2.00	4.3	ug/L	
2,6-Dinitrotoluene	50	50.7	3.34	1.4	ug/L	
2-Amino-4,6-Dinitrotoluene	50	53.0	2.71	6	ug/L	
2-Nitrotoluene	50	53.2	4.73	6.5	ug/L	
3-Nitrotoluene	50	48.3	4.66	3.3	ug/L	
4-Nitrotoluene	50	48.8	6.47	2.3	ug/L	
4-Amino-2,6-Dinitrotoluene	50	52.1	3.98	4.2	ug/L	
HMX	50	51.5	6.18	3.1	ug/L	
Nitrobenzene	50	53.8	2.48	7.6	ug/L	
RDX	50	52.0	5.42	4	ug/L	
Tetryl	50	44.8	3.83	10.5	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094585

Login Number: L0505400 Run Date: 05/23/2005 Sample ID: WG189555-03
Instrument ID: HPLC4 Run Time: 06:06 Method: 8330
File ID: 4L008189.F Analyst: RDC
Workgroup (AAB#): WG189556 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	52.9	2.24	5.7	ug/L	
1,3-Dinitrobenzene	50	52.1	1.64	4.2	ug/L	
2,4,6-Trinitrotoluene	50	54.0	2.29	7.9	ug/L	
2,4-Dinitrotoluene	50	52.0	2.00	4	ug/L	
2,6-Dinitrotoluene	50	50.8	3.33	1.7	ug/L	
2-Amino-4,6-Dinitrotoluene	50	51.3	2.80	2.6	ug/L	
2-Nitrotoluene	50	53.6	4.69	7.2	ug/L	
3-Nitrotoluene	50	48.2	4.67	3.5	ug/L	
4-Nitrotoluene	50	50.3	6.26	.6	ug/L	
4-Amino-2,6-Dinitrotoluene	50	52.4	3.96	4.8	ug/L	
HMX	50	49.4	6.47	1.2	ug/L	
Nitrobenzene	50	56.8	2.34	13.6	ug/L	
RDX	50	51.8	5.44	3.6	ug/L	
Tetryl	50	48.3	3.54	3.4	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094586

Login Number: L0505400 Run Date: 05/24/2005 Sample ID: WG189639-03
Instrument ID: HPLC4 Run Time: 07:14 Method: 8330
File ID: 4L008214.F Analyst: RDC
Workgroup (AAB#): WG189556 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	50.4	2.36	.7	ug/L	
1,3-Dinitrobenzene	50	50.3	1.70	.6	ug/L	
2,4,6-Trinitrotoluene	50	49.9	2.48	.1	ug/L	
2,4-Dinitrotoluene	50	50.3	2.07	.6	ug/L	
2,6-Dinitrotoluene	50	50.9	3.33	1.7	ug/L	
2-Amino-4,6-Dinitrotoluene	50	51.5	2.79	3	ug/L	
2-Nitrotoluene	50	48.5	5.24	3	ug/L	
3-Nitrotoluene	50	49.8	4.51	.4	ug/L	
4-Nitrotoluene	50	45.0	7.10	10.1	ug/L	
4-Amino-2,6-Dinitrotoluene	50	52.8	3.93	5.6	ug/L	
HMX	50	50.5	6.32	1	ug/L	
Nitrobenzene	50	52.2	2.56	4.3	ug/L	
RDX	50	51.2	5.50	2.5	ug/L	
Tetryl	50	45.4	3.78	9.3	ug/L	

* Exceeds %D Limit

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094587

Login Number: L0505400 Run Date: 05/24/2005 Sample ID: WG189639-04
Instrument ID: HPLC4 Run Time: 10:57 Method: 8330
File ID: 4L008220.F Analyst: RDC
Workgroup (AAB#): WG189556 Cal ID: HPLC4 - 10-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,3,5-Trinitrobenzene	50	50.1	2.37	.2	ug/L	
1,3-Dinitrobenzene	50	50.4	1.70	.9	ug/L	
2,4,6-Trinitrotoluene	50	49.8	2.49	.5	ug/L	
2,4-Dinitrotoluene	50	50.8	2.05	1.5	ug/L	
2,6-Dinitrotoluene	50	50.4	3.37	.8	ug/L	
2-Amino-4,6-Dinitrotoluene	50	51.3	2.81	2.6	ug/L	
2-Nitrotoluene	50	52.1	4.84	4.3	ug/L	
3-Nitrotoluene	50	49.6	4.53	.9	ug/L	
4-Nitrotoluene	50	47.5	6.68	5.1	ug/L	
4-Amino-2,6-Dinitrotoluene	50	51.1	4.06	2.2	ug/L	
HMX	50	48.8	6.55	2.3	ug/L	
Nitrobenzene	50	53.3	2.50	6.7	ug/L	
RDX	50	51.1	5.52	2.2	ug/L	
Tetryl	50	49.7	3.44	.5	ug/L	

* Exceeds %D Limit



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: LHAAP-029

Page 1 of 1

Project Number: 845714

Samples Shipment Date: 17 MAY 2005

Bill To: Diane Meyer

Project Name: Longhorn Army Ammunition Plant Lab Destination: Kemron Lab

3010 Briarpark Drive

Houston

TX 77042

Sample Coordinator: Phil Conley

Lab Contact: Stephanie Mossburg

Report To: Diane Meyer

Turnaround Time:

Project Contact: Diane Meyer

3010 Briarpark Drive

Houston

TX 77042

Carrier/Waybill No.: UPS/J178 825 538 0

Special Instructions:

Possible Hazard Identification:

Non-hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Radiological ☐Unknown ☐

Sample Disposal:

Return to Client ☐Disposal by Lab ☐

Archive

(mos.)

1. Relinquished By
(Signature/Affiliation)

Date:

Time: 1200

1. Received By
(Signature/Affiliation)

Date:

Time: 1200

2. Relinquished By
(Signature/Affiliation)

Date:

Time:

2. Received By
(Signature/Affiliation)

Date:

Time: 1200

3. Relinquished By
(Signature/Affiliation)

Date:

Time:

3. Received By
(Signature/Affiliation)

Date:

Time: 1200

Comments:

checked
Sk contact
Cooler temp 4
b6

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
29WW20-MAY02-29WW20-GW-29WW20-MAY05-REG		16 MAY 2005	15:40	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL494	
29WW30-MAY02-29WW30-GW-29WW30-MAY05-REG		16 MAY 2005	12:20	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL494	
29WW31-MAY02-29WW31-GW-29WW31-MAY05-REG		16 MAY 2005	15:55	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL494	
29WW32A-MAY02-29WW32-GW-29WW32A-MAY05-REG		16 MAY 2005	13:30	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL494	
29WW33-MAY02-29WW33-GW-29WW33-MAY05-REG		16 MAY 2005	17:00	1 L Amb. Glass	2		Nitroaromatics and Nitroamines by 8330				N KL494	

Login: L0505400

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 5

Due Date: 25-MAY-2005

Samplenum **Container ID** **Products**

L0505400-01 133966 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 14:59	BRG	
2	PREP	W1	EXT	19-MAY-2005 07:04	CEB	BRG
3	DISP	EXT	DISP	20-MAY-2005 08:26	JKT	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 14:59	BRG	
2	STORE	W1	A1	20-MAY-2005 08:12	CEB	CEB

Samplenum **Container ID** **Products**

L0505400-02 133967 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 14:59	BRG	
2	PREP	W1	EXT	19-MAY-2005 07:04	CEB	BRG
3	DISP	EXT	DISP	20-MAY-2005 08:26	JKT	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 14:59	BRG	
2	STORE	W1	A1	20-MAY-2005 08:11	CEB	CEB

Samplenum **Container ID** **Products**

L0505400-03 133968 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 14:59	BRG	
2	PREP	W1	EXT	19-MAY-2005 07:04	CEB	BRG
3	DISP	EXT	DISP	20-MAY-2005 08:25	JKT	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 14:59	BRG	
2	STORE	W1	A1	20-MAY-2005 08:12	CEB	CEB

KEMRON Environmental Services
Internal Chain of Custody Report

00094590

Login: L0505400
Account: SHAW-ALLIANCE-798
Project: 798-LONGHORN
Samples: 5
Due Date: 25-MAY-2005

Samplenum **Container ID** **Products**

L0505400-04 133969 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 14:59	BRG	
2	PREP	W1	EXT	19-MAY-2005 07:04	CEB	BRG
3	DISP	EXT	DISP	20-MAY-2005 08:26	JKT	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 14:59	BRG	
2	STORE	W1	A1	20-MAY-2005 08:12	CEB	CEB

Samplenum **Container ID** **Products**

L0505400-05 133970 8330

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 14:59	BRG	
2	PREP	W1	EXT	19-MAY-2005 07:04	CEB	BRG
3	DISP	EXT	DISP	20-MAY-2005 08:26	JKT	DEL

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 14:59	BRG	
2	STORE	W1	A1	20-MAY-2005 08:11	CEB	CEB

SAMPLE RECEIPT FORM

00094591

Date: 5/18/05 Client: Shaw 950

Shipped By: () Fed-Ex ☒ UPS () DHL () KEMRON () Client () Other

Opened By: BG

Logged By: BG Login # L05 05400

IR Temp Gun: ☒ () F

156 STARLITE DRIVE
MARIETTA, OH
45750
(740) 373-4071

COOLER INFORMATION

Number	Cooler ID	Temp °C	Airbill#	COC#	Other
1	KL397	1	J180 010 401 7	031	
2	KL1321	4	J1788255371	028	
3	KL1644	0	J180 010 402 6	030	
4	KL494	4	J178 825 538 0	029	
5					
6					

Were all coolers sealed? Y N N/A

Were custody seals used on all coolers? Y N N/A

Were custody seals intact? Y N N/A

Was visible ice present? Y N N/A

Were all coolers in the temperature range of 2-6C? (>6C*) Y N N/A

Were the samples frozen?* Y N N/A

Were COC papers provided? Y N N/A

Were all sample containers intact?* Y N N/A

Were all sample labels intact? Y N N/A

Were all sample labels legible?* Y N N/A

Did all sample labels match the COC?* Y N N/A

Was the label information complete?* Y N N/A

Were the correct containers used?* Y N N/A

Were the correct preservatives added to water samples?* Y N N/A

Was the pH tested on preserved water samples? Y N N/A

Were pH ranges acceptable?* Y N N/A

Was sufficient amount of sample provided?* Y N N/A

Were bubbles present in VOA samples?* Y N N/A

Were COC's signed and dated? Y N N/A

Did samples arrive before hold time expired?* Y N N/A

Are discrepancy forms attached? Y N N/A

* Requires a discrepancy form

Comments: _____

CRF #1
Revised 8/22/03

CRF#4

Sample Discrepancy Form

Client: Shaw Project: LHAAP c/c 029
Date Received: 5/18/05

☐ Cooler temperature > than 6 degrees Celsius

Reason ☐

☐ Samples received not on chain of custody

☐ Samples on chain of custody not received

☒ Information on sample containers different from chain of custody ^①
c/c 29ww32A-may05 5/16@1330 = ① liter 29ww32-may05
5/16@920

☐ Sample containers received broken, leaking or not sealed (List sample ID) ^②
② liter 29ww32-may05
5/17@825
3/4 full
1/2 full

☐ pH out (List sample ID, which container, pH prior to adjusting, amount of acid, preservative)

☐ Insufficient sample volume

☐ Air bubbles present in VOA vials (List sample ID)

☐ Hold time expired (List sample ID)

Service Representative:

Was client notified regarding information: **YES**

Name of Person contacted: _____

Service Representative: _____

NO

Company: _____

Date: _____

Last Revised 08/22/03



156 Starlite Drive, Marietta, OH 45750 • TEL 740-373-4071 • FAX 740-373-4835 • <http://www.kemron.com>

Laboratory Report Number: L0505401

Please find enclosed the analytical results for the samples you submitted to KEMRON Environmental Services.

Review and compilation of your report was completed by KEMRON's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact our team member noted in the Reviewed box below at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

Debra Elliott - Team Leader
delliott@kemron-lab.com

Amanda Fickiesen - Client Services Specialist
afickiesen@kemron-lab.com

Cheryl Koelsch - Team Chemist/Data Specialist
ckoelsch@kemron-lab.com

Annie Bock - Client Services Specialist
abock@kemron-lab.com

Stephanie Mossburg - Team Chemist/Data Specialist
smossburg@kemron-lab.com

Vicki Lauer - Client Services Specialist
vlauer@kemron-lab.com

Kathy Albertson - Team Chemist/Data Specialist
kalbertson@kemron-lab.com

Micalyn Harris - Team Chemist/Data Specialist
mharris@kemron-lab.com

This report was reviewed on May 25, 2005:

A handwritten signature in cursive script, reading "Stephanie Mossburg".

I certify that all test results meet all of the requirements of the NELAP standards and other applicable contract terms and conditions. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on an 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of KEMRON Environmental Services.

This report was certified on May 25, 2005:

A handwritten signature in cursive script, reading "David E. Vandenberg".

FL DOH NELAP ID: E87551

This report contains a total of **124** pages.

Protecting Our Environmental Future

LABORATORY REPORT

L0505401

00094594

05/25/05 10:39

Submitted By

KEMRON Environmental Services

156 Starlite Drive

Marietta, OH 45750

(740) 373 - 4071

For

Account Name: Shaw E & I, Inc.

ABB Lummus Building

3010 Briarpark

Houston, TX 77042

Attention: Diane Mever

Account Number: 307-ALLIANCE-798

Work ID: LONGHORN AAP

P.O. Number: 98696

Sample Summary

Client ID	Lab ID	Date Collected	Date Received
051605-ER	L0505401-01	16-MAY-05	18-MAY-05
051705-TB-1	L0505401-02	17-MAY-05	18-MAY-05
29WW03-MAY05	L0505401-03	17-MAY-05	18-MAY-05
29WW04-MAY05	L0505401-04	17-MAY-05	18-MAY-05
29WW04-MAY05-D	L0505401-05	17-MAY-05	18-MAY-05
29WW20-MAY05	L0505401-06	16-MAY-05	18-MAY-05
29WW30-MAY05	L0505401-07	16-MAY-05	18-MAY-05
29WW31-MAY05	L0505401-08	16-MAY-05	18-MAY-05
29WW32A-MAY05	L0505401-09	16-MAY-05	18-MAY-05
29WW33-MAY05	L0505401-10	16-MAY-05	18-MAY-05
49WW01-MAY05	L0505401-11	17-MAY-05	18-MAY-05
49WW02-MAY05	L0505401-12	17-MAY-05	18-MAY-05
49WW03-MAY05	L0505401-13	17-MAY-05	18-MAY-05
49WW03-MAY05-D	L0505401-14	17-MAY-05	18-MAY-05
WS-001	L0505401-15	17-MAY-05	18-MAY-05

KEMRON ENVIRONMENTAL SERVICES
REPORT NARRATIVE

KEMRON Login No.: L0505401

CHAIN OF CUSTODY: The chain of custody number was LHAAP-030

SHIPMENT CONDITIONS: The chain of custody forms were received sealed in a cooler. The cooler temperature was 0 degrees C.

SAMPLE MANAGEMENT: All samples received were intact. Sample 051405 ER was listed on the COC but was not received. This sample had already been received on May 17, 2005.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Approved: 19-MAY-05

<i>Stephanie Mossburg</i>

KEMRON ENVIRONMENTAL SERVICES
GC/MS VOLATILE ORGANICS

KEMRON Login No.: L0505401

METHOD

Preparation: SW-846 5030B

Analysis: SW-846 8260B

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds which yielded a %RSD greater than 15%, linear or higher order equations were applied or if the mean %RSD for all analytes was less than 15% the average response factors were used. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration and Tune: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: The LCS/LCSD analyzed 05/21/05 on HPMS-10 yielded a surrogate recovery for 4-bromofluorobenzene below the lower control limit. All other acceptance criteria were met.

Matrix Spike: The MS/MSD results were not associated with this sample delivery group (SDG).

SAMPLES

Internal Standards: All acceptance criteria were met.

Surrogates: 4-Bromofluorobenzene was below the lower control limit in the analysis of sample 04. All other acceptance criteria were met.

Samples: All acceptance criteria were met.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: CMS

Approved: 25-MAY-05



KEMRON ENVIRONMENTAL SERVICES
Perchlorate**KEMRON Login No.:** L0505401**METHOD****Analysis:** U.S. EPA 314.0**HOLDING TIMES****Sample Preparation:** All holding times were met**Sample Analysis:** All holding times were met**PREPARATION**

Several samples were diluted to get their conductivity within the limits of the method. The reporting limits are elevated accordingly.

CALIBRATION**Initial Calibration:** All acceptance criteria were met.**Alternate Source Standards:** All acceptance criteria were met.**Continuing Calibration:** All acceptance criteria were met.**BATCH QA/QC****Method Blank:** All acceptance criteria were met.**Laboratory Control Sample:** All acceptance criteria were met.**Matrix Spikes:** All acceptance criteria were met.**SAMPLES**

There were no technical difficulties with this sample group.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: JWR

Approved: 24-MAY-05

KEMRON ENVIRONMENTAL SERVICES
GENERAL CHEMISTRY

KEMRON Login No.: L0505401

METHOD

Analysis: See report for method reference.

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Matrix Spikes: All acceptance criteria were met.

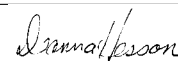
SAMPLES

There were no technical difficulties with the sample group.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: DIH

Approved: 24-MAY-05



Report Number: **L0505401**Report Date : **May 25, 2005****00094600**

Sample Number: **L0505401-01**
 Client ID: **051605-ER**
 Matrix: **Water**
 Workgroup Number: **WG189544**
 Collect Date: **16-MAY-05**
 Sample Tag: **01**

Prep Method: **314.0**
 Analytical Method: **314.0**
 Analyst: **JWR**
 Dilution: **1**
 Units: **ug/L**

Instrument: **IC1**
 Prep Date: **05/20/2005 17:06**
 Cal Date: **05/20/2005 17:06**
 Run Date: **05/20/2005 17:06**
 File ID: **I1052005.15**

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	1.00	0.500

U Not detected at or above adjusted sample detection limit

Sample Number: **L0505401-01**
 Client ID: **051605-ER**
 Matrix: **Water**
 Workgroup Number: **WG189539**
 Collect Date: **16-MAY-05**
 Sample Tag: **01**

Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPMS10**
 Prep Date: **05/21/2005 17:36**
 Cal Date: **04/23/2005 16:36**
 Run Date: **05/21/2005 17:36**
 File ID: **10M38175**

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3	0.138	J	1.00	0.125
Chloromethane	74-87-3	0.750	J	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200

1 of 21

Report Number: **L0505401**Report Date : **May 25, 2005****00094601**

Sample Number: **L0505401-01**
 Client ID: **051605-ER**
 Matrix: **Water**
 Workgroup Number: **WG189539**
 Collect Date: **16-MAY-05**
 Sample Tag: **01**

Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPMS10**
 Prep Date: **05/21/2005 17:36**
 Cal Date: **04/23/2005 16:36**
 Run Date: **05/21/2005 17:36**
 File ID: **10M38175**

Analyte	CAS. Number	Result	Qual	RL	MDL
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	98.6	86	118		
1,2-Dichloroethane-d4	94.9	80	120		
Toluene-d8	92.2	88	110		
4-Bromofluorobenzene	87.2	86	115		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Report Number: **L0505401**Report Date : **May 25, 2005****00094602**

Sample Number: **L0505401-02**
 Client ID: **051705-TB-1**
 Matrix: **Water**
 Workgroup Number: **WG189539**
 Collect Date: **17-MAY-05**
 Sample Tag: **01**

Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPMS10**
 Prep Date: **05/21/2005 15:02**
 Cal Date: **04/23/2005 16:36**
 Run Date: **05/21/2005 15:02**
 File ID: **10M38170**

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2	1.29	J	5.00	0.250
Napthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125

Report Number: **L0505401**Report Date : **May 25, 2005****00094603**

Sample Number: **L0505401-02**
 Client ID: **051705-TB-1**
 Matrix: **Water**
 Workgroup Number: **WG189539**
 Collect Date: **17-MAY-05**
 Sample Tag: **01**

Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPMS10**
 Prep Date: **05/21/2005 15:02**
 Cal Date: **04/23/2005 16:36**
 Run Date: **05/21/2005 15:02**
 File ID: **10M38170**

Analyte	CAS. Number	Result	Qual	RL	MDL
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	97.8	86	118		
1,2-Dichloroethane-d4	92.5	80	120		
Toluene-d8	93.2	88	110		
4-Bromofluorobenzene	87.5	86	115		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: **L0505401-03**
 Client ID: **29WW03-MAY05**
 Matrix: **Water**
 Workgroup Number: **WG189544**
 Collect Date: **17-MAY-05**
 Sample Tag: **01**

Prep Method: **314.0**
 Analytical Method: **314.0**
 Analyst: **JWR**
 Dilution: **1**
 Units: **ug/L**

Instrument: **IC1**
 Prep Date: **05/20/2005 17:26**
 Cal Date:
 Run Date: **05/20/2005 17:26**
 File ID: **I1052005.16**

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	1.00	0.500

U Not detected at or above adjusted sample detection limit

Report Number: **L0505401**Report Date : **May 25, 2005**

00094604

Sample Number: **L0505401-03**
 Client ID: **29WW03-MAY05**
 Matrix: **Water**
 Workgroup Number: **WG189539**
 Collect Date: **17-MAY-05**
 Sample Tag: **01**

Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPMS10**
 Prep Date: **05/21/2005 20:11**
 Cal Date: **04/23/2005 16:36**
 Run Date: **05/21/2005 20:11**
 File ID: **10M38180**

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3	0.336	J	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125

Report Number: **L0505401**Report Date : **May 25, 2005****00094605**

Sample Number: **L0505401-03**
 Client ID: **29WW03-MAY05**
 Matrix: **Water**
 Workgroup Number: **WG189539**
 Collect Date: **17-MAY-05**
 Sample Tag: **01**

Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPMS10**
 Prep Date: **05/21/2005 20:11**
 Cal Date: **04/23/2005 16:36**
 Run Date: **05/21/2005 20:11**
 File ID: **10M38180**

Analyte	CAS. Number	Result	Qual	RL	MDL
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	102	86	118		
1,2-Dichloroethane-d4	101	80	120		
Toluene-d8	96.1	88	110		
4-Bromofluorobenzene	90.1	86	115		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: **L0505401-04**
 Client ID: **29WW04-MAY05**
 Matrix: **Water**
 Workgroup Number: **WG189544**
 Collect Date: **17-MAY-05**
 Sample Tag: **01**

Prep Method: **314.0**
 Analytical Method: **314.0**
 Analyst: **JWR**
 Dilution: **1**
 Units: **ug/L**

Instrument: **IC1**
 Prep Date: **05/20/2005 17:47**
 Cal Date:
 Run Date: **05/20/2005 17:47**
 File ID: **I1052005.17**

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	1.00	0.500

U Not detected at or above adjusted sample detection limit

Report Number: **L0505401**Report Date : **May 25, 2005****00094606**

Sample Number: **L0505401-04**
 Client ID: **29WW04-MAY05**
 Matrix: **Water**
 Workgroup Number: **WG189539**
 Collect Date: **17-MAY-05**
 Sample Tag: **01**

Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPMS10**
 Prep Date: **05/21/2005 20:42**
 Cal Date: **04/23/2005 16:36**
 Run Date: **05/21/2005 20:42**
 File ID: **10M38181**

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2	1.01		1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2	1.72	J	5.00	0.250
Napthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125

Report Number: **L0505401**Report Date : **May 25, 2005**

00094607

Sample Number: **L0505401-04**
 Client ID: **29WW04-MAY05**
 Matrix: **Water**
 Workgroup Number: **WG189539**
 Collect Date: **17-MAY-05**
 Sample Tag: **01**

Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPMS10**
 Prep Date: **05/21/2005 20:42**
 Cal Date: **04/23/2005 16:36**
 Run Date: **05/21/2005 20:42**
 File ID: **10M38181**

Analyte	CAS. Number	Result	Qual	RL	MDL
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3	0.619	J	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	98.7	86	118		
1,2-Dichloroethane-d4	98.6	80	120		
Toluene-d8	92.7	88	110		
4-Bromofluorobenzene	84.9	86	115	*	

* Surrogate or spike compound out of range

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: **L0505401-05**
 Client ID: **29WW04-MAY05-D**
 Matrix: **Water**
 Workgroup Number: **WG189544**
 Collect Date: **17-MAY-05**
 Sample Tag: **01**

Prep Method: **314.0**
 Analytical Method: **314.0**
 Analyst: **JWR**
 Dilution: **1**
 Units: **ug/L**

Instrument: **IC1**
 Prep Date: **05/20/2005 18:07**
 Cal Date: **05/20/2005 18:07**
 Run Date: **05/20/2005 18:07**
 File ID: **I1052005.18**

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	1.00	0.500

U Not detected at or above adjusted sample detection limit

Report Number: **L0505401**Report Date : **May 25, 2005****00094608**

Sample Number: **L0505401-05**
 Client ID: **29WW04-MAY05-D**
 Matrix: **Water**
 Workgroup Number: **WG189548**
 Collect Date: **17-MAY-05**
 Sample Tag: **01**

Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPMS8**
 Prep Date: **05/22/2005 17:06**
 Cal Date: **05/17/2005 18:51**
 Run Date: **05/22/2005 17:06**
 File ID: **8M320662**

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1	2.70	J	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2	0.524	J	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2	0.322	J	5.00	0.250
Napthalene	91-20-3	0.360	J	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125

Report Number: **L0505401**Report Date : **May 25, 2005****00094609**

Sample Number: **L0505401-05**
 Client ID: **29WW04-MAY05-D**
 Matrix: **Water**
 Workgroup Number: **WG189548**
 Collect Date: **17-MAY-05**
 Sample Tag: **01**

Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPMS8**
 Prep Date: **05/22/2005 17:06**
 Cal Date: **05/17/2005 18:51**
 Run Date: **05/22/2005 17:06**
 File ID: **8M320662**

Analyte	CAS. Number	Result	Qual	RL	MDL
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3	0.578	J	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	106	86	118		
1,2-Dichloroethane-d4	112	80	120		
Toluene-d8	105	88	110		
4-Bromofluorobenzene	98.8	86	115		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Sample Number: **L0505401-06**
 Client ID: **29WW20-MAY05**
 Matrix: **Water**
 Workgroup Number: **WG189544**
 Collect Date: **16-MAY-05**
 Sample Tag: **DL01**

Prep Method: **314.0**
 Analytical Method: **314.0**
 Analyst: **JWR**
 Dilution: **2**
 Units: **ug/L**

Instrument: **IC1**
 Prep Date: **05/20/2005 18:28**
 Cal Date:
 Run Date: **05/20/2005 18:28**
 File ID: **I1052005.19**

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	2.00	1.00

U Not detected at or above adjusted sample detection limit

Report Number: **L0505401**Report Date : **May 25, 2005****00094610**

Sample Number: **L0505401-06**
 Client ID: **29WW20-MAY05**
 Matrix: **Water**
 Workgroup Number: **WG189539**
 Collect Date: **16-MAY-05**
 Sample Tag: **01**

Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPMS10**
 Prep Date: **05/21/2005 18:07**
 Cal Date: **04/23/2005 16:36**
 Run Date: **05/21/2005 18:07**
 File ID: **10M38176**

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3	1.13		1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125

Report Number: **L0505401**Report Date : **May 25, 2005**

00094611

Sample Number: **L0505401-06**
 Client ID: **29WW20-MAY05**
 Matrix: **Water**
 Workgroup Number: **WG189539**
 Collect Date: **16-MAY-05**
 Sample Tag: **01**

Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPMS10**
 Prep Date: **05/21/2005 18:07**
 Cal Date: **04/23/2005 16:36**
 Run Date: **05/21/2005 18:07**
 File ID: **10M38176**

Analyte	CAS. Number	Result	Qual	RL	MDL
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	101	86	118		
1,2-Dichloroethane-d4	98.9	80	120		
Toluene-d8	93.8	88	110		
4-Bromofluorobenzene	90.0	86	115		

U Not detected at or above adjusted sample detection limit

Sample Number: **L0505401-07**
 Client ID: **29WW30-MAY05**
 Matrix: **Water**
 Workgroup Number: **WG189544**
 Collect Date: **16-MAY-05**
 Sample Tag: **DL01**

Prep Method: **314.0**
 Analytical Method: **314.0**
 Analyst: **JWR**
 Dilution: **4**
 Units: **ug/L**

Instrument: **IC1**
 Prep Date: **05/20/2005 18:48**
 Cal Date:
 Run Date: **05/20/2005 18:48**
 File ID: **I1052005.20**

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	4.00	2.00

U Not detected at or above adjusted sample detection limit

Report Number: **L0505401**Report Date : **May 25, 2005**

00094612

Sample Number: **L0505401-07**
 Client ID: **29WW30-MAY05**
 Matrix: **Water**
 Workgroup Number: **WG189539**
 Collect Date: **16-MAY-05**
 Sample Tag: **01**

Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPMS10**
 Prep Date: **05/21/2005 18:38**
 Cal Date: **04/23/2005 16:36**
 Run Date: **05/21/2005 18:38**
 File ID: **10M38177**

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125

Report Number: **L0505401**Report Date : **May 25, 2005**

00094613

Sample Number: **L0505401-07**
 Client ID: **29WW30-MAY05**
 Matrix: **Water**
 Workgroup Number: **WG189539**
 Collect Date: **16-MAY-05**
 Sample Tag: **01**

Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPMS10**
 Prep Date: **05/21/2005 18:38**
 Cal Date: **04/23/2005 16:36**
 Run Date: **05/21/2005 18:38**
 File ID: **10M38177**

Analyte	CAS. Number	Result	Qual	RL	MDL
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	98.7	86	118		
1,2-Dichloroethane-d4	99.1	80	120		
Toluene-d8	93.3	88	110		
4-Bromofluorobenzene	88.1	86	115		

U Not detected at or above adjusted sample detection limit

Sample Number: **L0505401-08**
 Client ID: **29WW31-MAY05**
 Matrix: **Water**
 Workgroup Number: **WG189544**
 Collect Date: **16-MAY-05**
 Sample Tag: **DL01**

Prep Method: **314.0**
 Analytical Method: **314.0**
 Analyst: **JWR**
 Dilution: **4**
 Units: **ug/L**

Instrument: **IC1**
 Prep Date: **05/20/2005 19:08**
 Cal Date:
 Run Date: **05/20/2005 19:08**
 File ID: **I1052005.21**

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0	4.99		4.00	2.00

Report Number: **L0505401**Report Date : **May 25, 2005**

00094614

Sample Number: **L0505401-08**
 Client ID: **29WW31-MAY05**
 Matrix: **Water**
 Workgroup Number: **WG189539**
 Collect Date: **16-MAY-05**
 Sample Tag: **01**

Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPMS10**
 Prep Date: **05/21/2005 19:09**
 Cal Date: **04/23/2005 16:36**
 Run Date: **05/21/2005 19:09**
 File ID: **10M38178**

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125

Report Number: **L0505401**Report Date : **May 25, 2005**

00094615

Sample Number: **L0505401-08**
 Client ID: **29WW31-MAY05**
 Matrix: **Water**
 Workgroup Number: **WG189539**
 Collect Date: **16-MAY-05**
 Sample Tag: **01**

Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPMS10**
 Prep Date: **05/21/2005 19:09**
 Cal Date: **04/23/2005 16:36**
 Run Date: **05/21/2005 19:09**
 File ID: **10M38178**

Analyte	CAS. Number	Result	Qual	RL	MDL
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	98.9	86	118		
1,2-Dichloroethane-d4	98.0	80	120		
Toluene-d8	93.6	88	110		
4-Bromofluorobenzene	89.9	86	115		

U Not detected at or above adjusted sample detection limit

Sample Number: **L0505401-09**
 Client ID: **29WW32A-MAY05**
 Matrix: **Water**
 Workgroup Number: **WG189544**
 Collect Date: **16-MAY-05**
 Sample Tag: **DL01**

Prep Method: **314.0**
 Analytical Method: **314.0**
 Analyst: **JWR**
 Dilution: **4**
 Units: **ug/L**

Instrument: **IC1**
 Prep Date: **05/20/2005 21:11**
 Cal Date:
 Run Date: **05/20/2005 21:11**
 File ID: **I1052005.27**

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	4.00	2.00

U Not detected at or above adjusted sample detection limit

Report Number: **L0505401**Report Date : **May 25, 2005****00094616**

Sample Number: **L0505401-10**
 Client ID: **29WW33-MAY05**
 Matrix: **Water**
 Workgroup Number: **WG189544**
 Collect Date: **16-MAY-05**
 Sample Tag: **DL01**

Prep Method: **314.0**
 Analytical Method: **314.0**
 Analyst: **JWR**
 Dilution: **4**
 Units: **ug/L**

Instrument: **IC1**
 Prep Date: **05/20/2005 19:29**
 Cal Date: **05/20/2005 19:29**
 Run Date: **05/20/2005 19:29**
 File ID: **I1052005.22**

Analyte	CAS. Number	Result	Qual	RL	MDL
Perchlorate	14797-73-0		U	4.00	2.00

U Not detected at or above adjusted sample detection limit

Sample Number: **L0505401-10**
 Client ID: **29WW33-MAY05**
 Matrix: **Water**
 Workgroup Number: **WG189539**
 Collect Date: **16-MAY-05**
 Sample Tag: **01**

Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPMS10**
 Prep Date: **05/21/2005 19:40**
 Cal Date: **04/23/2005 16:36**
 Run Date: **05/21/2005 19:40**
 File ID: **10M38179**

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200

17 of 21

Report Number: **L0505401**Report Date : **May 25, 2005**

00094617

Sample Number: **L0505401-10**
 Client ID: **29WW33-MAY05**
 Matrix: **Water**
 Workgroup Number: **WG189539**
 Collect Date: **16-MAY-05**
 Sample Tag: **01**

Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPMS10**
 Prep Date: **05/21/2005 19:40**
 Cal Date: **04/23/2005 16:36**
 Run Date: **05/21/2005 19:40**
 File ID: **10M38179**

Analyte	CAS. Number	Result	Qual	RL	MDL
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3	0.295	J	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6	0.401	J	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	100	86	118		
1,2-Dichloroethane-d4	97.7	80	120		
Toluene-d8	93.5	88	110		
4-Bromofluorobenzene	88.6	86	115		

J The analyte was positively identified, but the quantitation was below the RL

U Not detected at or above adjusted sample detection limit

Report Number: **L0505401**Report Date : **May 25, 2005****00094618**

Sample Number: L0505401-11	Prep Method: 353.2	Instrument: SMARTCHEM
Client ID: 49WW01-MAY05	Analytical Method: 353.2	Prep Date: 05/19/2005 10:31
Matrix: Water	Analyst: DIH	Cal Date: _____
Workgroup Number: WG189390	Dilution: 1	Run Date: 05/19/2005 10:31
Collect Date: 17-MAY-05	Units: mg/L	File ID: SC05052009070011

Analyte	CAS. Number	Result	Qual	RL	MDL
Nitrogen, Nitrate-Nitrite			U	0.0500	0.0250

U Not detected at or above adjusted sample detection limit

Sample Number: L0505401-12	Prep Method: 353.2	Instrument: SMARTCHEM
Client ID: 49WW02-MAY05	Analytical Method: 353.2	Prep Date: 05/19/2005 10:31
Matrix: Water	Analyst: DIH	Cal Date: _____
Workgroup Number: WG189390	Dilution: 8	Run Date: 05/19/2005 10:31
Collect Date: 17-MAY-05	Units: mg/L	File ID: SC05052009070012

Analyte	CAS. Number	Result	Qual	RL	MDL
Nitrogen, Nitrate-Nitrite		15.4		0.400	0.200

Sample Number: L0505401-13	Prep Method: 353.2	Instrument: SMARTCHEM
Client ID: 49WW03-MAY05	Analytical Method: 353.2	Prep Date: 05/19/2005 10:31
Matrix: Water	Analyst: DIH	Cal Date: _____
Workgroup Number: WG189390	Dilution: 1	Run Date: 05/19/2005 10:31
Collect Date: 17-MAY-05	Units: mg/L	File ID: SC05052009070013

Analyte	CAS. Number	Result	Qual	RL	MDL
Nitrogen, Nitrate-Nitrite		0.130		0.0500	0.0250

Sample Number: L0505401-14	Prep Method: 353.2	Instrument: SMARTCHEM
Client ID: 49WW03-MAY05-D	Analytical Method: 353.2	Prep Date: 05/19/2005 10:31
Matrix: Water	Analyst: DIH	Cal Date: _____
Workgroup Number: WG189390	Dilution: 1	Run Date: 05/19/2005 10:31
Collect Date: 17-MAY-05	Units: mg/L	File ID: SC05052009070014

Analyte	CAS. Number	Result	Qual	RL	MDL
Nitrogen, Nitrate-Nitrite		0.501		0.0500	0.0250

Report Number: **L0505401**Report Date : **May 25, 2005****00094619**

Sample Number: **L0505401-15**
 Client ID: **WS-001**
 Matrix: **Water**
 Workgroup Number: **WG189548**
 Collect Date: **17-MAY-05**
 Sample Tag: **01**

Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPMS8**
 Prep Date: **05/22/2005 17:36**
 Cal Date: **05/17/2005 18:51**
 Run Date: **05/22/2005 17:36**
 File ID: **8M320663**

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	1.00	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.540
Bromomethane	74-83-9		U	1.00	0.500
2-Butanone	78-93-3		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250
Carbon disulfide	75-15-0		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
2-Chloroethyl vinyl ether	110-75-8		U	10.0	2.00
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	5.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,1-Dichloroethene	75-35-4		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.125
1,3-Dichloropropane	142-28-9		U	1.00	0.200
2,2-Dichloropropane	594-20-7		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
2-Hexanone	591-78-6		U	10.0	2.50
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
Methylene chloride	75-09-2		U	5.00	0.250
Naphthalene	91-20-3		U	1.00	0.200
n-Propylbenzene	103-65-1		U	1.00	0.125

Report Number: **L0505401**Report Date : **May 25, 2005****00094620**

Sample Number: **L0505401-15**
 Client ID: **WS-001**
 Matrix: **Water**
 Workgroup Number: **WG189548**
 Collect Date: **17-MAY-05**
 Sample Tag: **01**

Prep Method: **5030B**
 Analytical Method: **8260B**
 Analyst: **MES**
 Dilution: **1**
 Units: **ug/L**

Instrument: **HPMS8**
 Prep Date: **05/22/2005 17:36**
 Cal Date: **05/17/2005 18:51**
 Run Date: **05/22/2005 17:36**
 File ID: **8M320663**

Analyte	CAS. Number	Result	Qual	RL	MDL
Styrene	100-42-5		U	1.00	0.125
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.125
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3	1.12		1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.125
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
1,2,3-Trichloropropane	96-18-4		U	1.00	0.750
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
Vinyl acetate	108-05-4		U	10.0	2.50
Vinyl chloride	75-01-4		U	1.00	0.250
o-Xylene	95-47-6		U	1.00	0.250
m-,p-Xylene	136777-61-2		U	1.00	0.500
Surrogate	% Recovery	Lower	Upper	Qual	
Dibromofluoromethane	105	86	118		
1,2-Dichloroethane-d4	113	80	120		
Toluene-d8	107	88	110		
4-Bromofluorobenzene	99.4	86	115		

U Not detected at or above adjusted sample detection limit

WORKGROUP SUMMARY BY METHOD

Analysis:Nitrogen, Nitrate-Nitrite

Analytical Method:353.2

Workgroup:WG189390

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505401-11	49WW01-MAY05			05/19/05 10:31		SMARTCHEM	DIH
L0505401-12	49WW02-MAY05			05/19/05 10:31		SMARTCHEM	DIH
L0505401-13	49WW03-MAY05			05/19/05 10:31		SMARTCHEM	DIH
L0505401-14	49WW03-MAY05-D			05/19/05 10:31		SMARTCHEM	DIH

Analysis:Nitrogen, Nitrate-Nitrite

Extraction Method:353.2

Workgroup:WG189390

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505401-11	49WW01-MAY05			05/19/05 10:31		SMARTCHEM	DIH
L0505401-12	49WW02-MAY05			05/19/05 10:31		SMARTCHEM	DIH
L0505401-13	49WW03-MAY05			05/19/05 10:31		SMARTCHEM	DIH
L0505401-14	49WW03-MAY05-D			05/19/05 10:31		SMARTCHEM	DIH

Analysis:Volatile Organics

Analytical Method:8260B

Workgroup:WG189539

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505401-01	051605-ER			05/21/05 17:36	01	HPMS10	MES
L0505401-02	051705-TB-1			05/21/05 15:02	01	HPMS10	MES
L0505401-03	29WW03-MAY05			05/21/05 20:11	01	HPMS10	MES
L0505401-04	29WW04-MAY05			05/21/05 20:42	01	HPMS10	MES
L0505401-06	29WW20-MAY05			05/21/05 18:07	01	HPMS10	MES
L0505401-07	29WW30-MAY05			05/21/05 18:38	01	HPMS10	MES
L0505401-08	29WW31-MAY05			05/21/05 19:09	01	HPMS10	MES
L0505401-10	29WW33-MAY05			05/21/05 19:40	01	HPMS10	MES

Analysis:Volatile Organics

Extraction Method:5030B

Workgroup:WG189539

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505401-01	051605-ER				189539	HPMS10	MES
L0505401-02	051705-TB-1				189539	HPMS10	MES
L0505401-03	29WW03-MAY05				189539	HPMS10	MES
L0505401-04	29WW04-MAY05				189539	HPMS10	MES
L0505401-06	29WW20-MAY05				189539	HPMS10	MES
L0505401-07	29WW30-MAY05				189539	HPMS10	MES
L0505401-08	29WW31-MAY05				189539	HPMS10	MES
L0505401-10	29WW33-MAY05				189539	HPMS10	MES

Analysis:Perchlorate

Analytical Method:314.0

Workgroup:WG189544

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505401-01	051605-ER			05/20/05 17:06	01	IC1	JWR
L0505401-03	29WW03-MAY05			05/20/05 17:26	01	IC1	JWR
L0505401-04	29WW04-MAY05			05/20/05 17:47	01	IC1	JWR
L0505401-05	29WW04-MAY05-D			05/20/05 18:07	01	IC1	JWR
L0505401-06	29WW20-MAY05			05/20/05 18:28	DL01	IC1	JWR
L0505401-07	29WW30-MAY05			05/20/05 18:48	DL01	IC1	JWR
L0505401-08	29WW31-MAY05			05/20/05 19:08	DL01	IC1	JWR
L0505401-09	29WW32A-MAY05			05/20/05 21:11	DL01	IC1	JWR
L0505401-10	29WW33-MAY05			05/20/05 19:29	DL01	IC1	JWR

Analysis:Perchlorate

Extraction Method:314.0

Workgroup:WG189544

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505401-01	051605-ER		05/20/05 15:24			FILTER	JWR
L0505401-03	29WW03-MAY05		05/20/05 15:24			FILTER	JWR
L0505401-04	29WW04-MAY05		05/20/05 15:24			FILTER	JWR
L0505401-05	29WW04-MAY05-D		05/20/05 15:24			FILTER	JWR
L0505401-06	29WW20-MAY05		05/20/05 15:24			FILTER	JWR
L0505401-07	29WW30-MAY05		05/20/05 15:24			FILTER	JWR
L0505401-08	29WW31-MAY05		05/20/05 15:24			FILTER	JWR
L0505401-09	29WW32A-MAY05		05/20/05 15:24			FILTER	JWR
L0505401-10	29WW33-MAY05		05/20/05 15:24			FILTER	JWR

Analysis:Volatile Organics

Analytical Method:8260B

Workgroup:WG189548

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505401-05	29WW04-MAY05-D			05/22/05 17:06	01	HPMS8	MES
L0505401-15	WS-001			05/22/05 17:36	01	HPMS8	MES

Analysis:Volatile Organics

Extraction Method:5030B

Workgroup:WG189548

Lab ID	Client ID	Tclp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0505401-05	29WW04-MAY05-D				189548	HPMS8	CMS
L0505401-15	WS-001				189548	HPMS8	CMS

Kemron Environmental Services
Analyst Listing May 25, 2005

AJF - AMANDA J. FICKIESEN	ALB - ANNIE L. BOCK	ALT - ANN L. THAYER
BRG - BRENDA R. GREGORY	CAF - CHERYL A. FLOWERS	CAK - CHERYL A. KOELSCH
CEB - CHAD E. BARNES	CLC - CHRYS L. CRAWFORD	CLK - CARL L. KING
CLS - CARA L. STRICKLER	CLW - CHARISSA L. WINTERS	CM - CHARLIE MARTIN
CMS - CRYSTAL M. STEPHENS	CPD - CHAD P. DAVIS	CRC - CARLA R. COCHRAN
CSH - CHRIS S. HILL	DAS - DALLAS A. SULLIVAN	DD - DIANE M. DENNIS
DDE - DEBRA D. ELLIOTT	DEL - DON E. LIGHTFRITZ	DEV - DAVID E. VANDENBERG
DGB - DOUGLAS G. BUTCHER	DIH - DEANNA I. HESSON	DLB - DAVID L. BUMGARNER
DLP - DOROTHY L. PAYNE	DLR - DIANNA L. RAUCH	DP - DEANNA L. PIERSON
DR - DEANNA ROBERTS	DRB - DOUG R. BARNETT	DSM - DAVID S. MOSSOR
DST - DENNIS S. TEPE	ECL - ERIC C. LAWSON	ED - EMILY E. DECKER
HAV - HEMA VILASAGAR	JAL - JOHN A. LENT	JJG - JOHN J. GREUEY
JKT - JANE K. THOMPSON	JLS - JANICE L. SCHIMMEL	JWR - JOHN W. RICHARDS
JWS - JACK W. SHEAVES	JYH - JI Y. HU	KEB - KATHRYN E. BARNES
KHR - KIM H. RHODES	KRA - KATHY R. ALBERTSON	LKN - LINDA K. NEDEFF
LSA - LUCINDA S. ARNOLD	LSB - LESLIE S. BUCINA	MAH - MICALYN A. HARRIS
MDA - MICHAEL D. ALBERTSON	MDC - MICHAEL D. COCHRAN	MES - MARY E. SCHILLING
MKZ - MARILYN K. ZUMBRO	MLR - MARY L. ROCHOTTE	MLS - MICHAEL L. SCHIMMEL
MMB - MAREN M. BEERY	MSW - MATT S. WILSON	NJB - NATALIE J. BOOTH
OGT - OKEY G. TUCKER	PAS - PATRICK A. STREET	RB - ROBERT BUCHANAN
RDC - REBECCA D. CUTLIP	REK - ROBERT E. KYER	RWC - RODNEY W. CAMPBELL
SCM - SUSAN C. MOELLENDICK	SK - SANDRA KEENER	SLM - STEPHANIE L. MOSSBURG
SLP - SHERI L. PFALZGRAF	SMH - SHAUNA M. HYDE	TD - TIMOTHY DYSERT
TMM - TAMMY M. MORRIS	VC - VICKI COLLIER	VKL - VICKY K. LAUER

KEMRON Environmental Services, Inc.

List of Valid Qualifiers

May 25, 2005

These are KEMRON's standard report qualifiers:

B	Present in the method blank	NS	Not spiked
C	Confirmed by GC/MS	P	Concentration >40% difference between the two GC columns
CG	Confluent growth	QNS	Quantity not sufficient to perform analysis
D	The analyte was quantified as a secondary dilution factor	RA	Reanalysis confirms reported results
DL	Surrogate or spike was diluted out	RE	Reanalysis confirms sample matrix interference
E	Estimated concentration due to sample matrix interference	S	Analyzed by method of standard addition
FL	Free liquid	SMI	Sample matrix interference on surrogate
I	Semi-quantitative result, out of instrument calibration range	SP	Reported results are for spike compounds only
J	Present below normal reporting limit	TNTC	Too numerous to count
L	Sample reporting limits elevated due to matrix interference	U	Analyzed for but not detected
N	Tentatively Identified Compound (TIC)	W	Post-digestion spike for furnace AA out of control limits
NA	Not applicable	X	Exceeds regulatory limit
ND	Not detected at or above the reporting limit (RL)	Z	Can not be resolved from isomer.***
NF	Not found	+	Correlation coefficient for the MSA is less than 0.995
NFL	No free liquid	<	Less than
NI	Non-ignitable	>	Greater than
		*	Surrogate or spike compound out of range

*****Special Notes for Organic Analytes**

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound and are matrix dependent.

AFCEE Qualifiers

These are KEMRON's AFCEE Report Qualifiers

- J** The analyte was positively identified, the quantitation is an estimation.
- U** The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL
- F** The analyte was positively identified by the associated numerical value is below the RL
- R** The data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria
- B** The analyte was found in an associated blank, as well as in the sample
- M** The matrix effect was present
- S** To be applied to all field screening data
- T** Tentatively identified compound (using GC/MS)

Organic QA/QC

VOA - GC/MS

Date: 4/23/05 Analyst: MES Method: (8260) (624)Instrument: HPMS10 Work Group: WG187632

	Analyst
System Performance Check	
BFB	✓
Initial Calibration	✓
Average RF	✓
Linear Reg or Higher Order Curve	✓
Second Source standard % Difference	✓
Continuing Calibration / Check Standards	NA
Project / Client Specific Requirements	
Special Standards	
Blanks	
TCL's	
Surrogates	
LCS (Laboratory Control Sample)	
Recoveries	
Surrogates	
MS / MSD / Duplicates	
Samples	
TCL Hits	
Spectra of TCL Hits	
Surrogates	
Internal Standards Criteria	
Calculations & Correct Factors	
Dilutions Run	
Reruns	
Manual Integrations	
Excel Spreadsheets	✓
Case Narrative	✓
Narrative Summary	NA
Results Reporting / Data Qualifiers	
Client Data Package Assembly	
Check for Completeness	✓

Primary Reviewers Initials & Date Checked: mf 4/25/05Secondary Reviewers Initials & Date Checked: Cur 4/25/05

Comments: _____

✓ = Checked & OK
 NA = Not Applicable

Date: 5/17/05 Analyst: CMS Method: 8260 624Instrument: HPMS8 Work Group: WG 189224

	Analyst
System Performance Check	✓
BFB	✓
Initial Calibration	✓
Average RF	✓
Linear Reg or Higher Order Curve	✓
Second Source standard % Difference	✓
Continuing Calibration / Check Standards	NA
Project / Client Specific Requirements	
Special Standards	
Blanks	
TCL's	
Surrogates	
LCS (Laboratory Control Sample)	
Recoveries	
Surrogates	
MS / MSD / Duplicates	
Samples	
TCL Hits	
Spectra of TCL Hits	
Surrogates	
Internal Standards Criteria	
Calculations & Correct Factors	
Dilutions Run	
Reruns	
Manual Integrations	✓
Excel Spreadsheets	✓
Case Narrative	NA
Narrative Summary	
Results Reporting / Data Qualifiers	
Client Data Package Assembly	
Check for Completeness	

Primary Reviewers Initials & Date Checked: CMS 5/18/05Secondary Reviewers Initials & Date Checked: CM 5/18/05

Comments: _____

✓ = Checked & OK
 NA = Not Applicable

VOA - GC/MS

Date: 5/21/05 Analyst: MES Method: 8260 624
 Instrument: HPMS10 Work Group: WG 189539

System Performance Check	Analyst
BFB	✓
Initial Calibration	✓
Average RF	✓
Linear Reg or Higher Order Curve	✓
Second Source standard % Difference	✓
Continuing Calibration / Check Standards	✓
Project / Client Specific Requirements	✓
Special Standards	✓
Blanks	NA
TCL's	✓
Surrogates	✓
LCS (Laboratory Control Sample)	✓
Recoveries	✓
Surrogates	✓
MS / MSD / Duplicates	NA
Samples	✓
TCL Hits	✓
Spectra of TCL Hits	✓
Surrogates	✓
Internal Standards Criteria	✓
Calculations & Correct Factors	✓
Dilutions Run	NA
Reruns	✓
Manual Integrations	✓
Excel Spreadsheets	✓
Case Narrative	✓
Narrative Summary	NA
Results Reporting / Data Qualifiers	✓
Client Data Package Assembly	✓
Check for Completeness	NA

Primary Reviewers Initials & Date Checked: mg 5/23/05

Secondary Reviewers Initials & Date Checked: Ch 5/24/05

Comments: _____

✓ = Checked & OK
 NA = Not Applicable

VOA - GC/MS

Date: 5/22/05 Analyst: MES Method: 8260 624Instrument: HPMSB Work Group: WG 189548

	Analyst
System Performance Check	✓
BFB	✓
Initial Calibration	✓
Average RF	✓
Linear Reg or Higher Order Curve	✓
Second Source standard % Difference	✓
Continuing Calibration / Check Standards	✓
Project / Client Specific Requirements	✓
Special Standards	NA
Blanks	✓
TCL's	✓
Surrogates	✓
LCS (Laboratory Control Sample)	✓
Recoveries	✓
Surrogates	✓
MS / MSD / Duplicates	NA
Samples	✓
TCL Hits	✓
Spectra of TCL Hits	✓
Surrogates	✓
Internal Standards Criteria	✓
Calculations & Correct Factors	✓
Dilutions Run	✓
Reruns	NA
Manual Integrations	✓
Excel Spreadsheets	✓
Case Narrative	NA
Narrative Summary	✓
Results Reporting / Data Qualifiers	✓
Client Data Package Assembly	NA
Check for Completeness	✓

Primary Reviewers Initials & Date Checked: CMS 5/23/05Secondary Reviewers Initials & Date Checked: CMS 5/25/05

Comments: _____

✓ = Checked & OK
 NA = Not Applicable

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00094632

Analytical Method: 8260B
Login Number: L0505401

AAB#: WG189539

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
051605-ER	05/16/05	05/18/05	05/21/05	14	5.03	05/21/05	14	5.03	
051705-TB-1	05/17/05	05/18/05	05/21/05	14	4.33	05/21/05	14	4.33	
29WW03-MAY05	05/17/05	05/18/05	05/21/05	14	4.29	05/21/05	14	4.29	
29WW04-MAY05	05/17/05	05/18/05	05/21/05	14	4.47	05/21/05	14	4.47	
29WW20-MAY05	05/16/05	05/18/05	05/21/05	14	5.10	05/21/05	14	5.10	
29WW30-MAY05	05/16/05	05/18/05	05/21/05	14	5.26	05/21/05	14	5.26	
29WW31-MAY05	05/16/05	05/18/05	05/21/05	14	5.13	05/21/05	14	5.13	
29WW33-MAY05	05/16/05	05/18/05	05/21/05	14	5.11	05/21/05	14	5.11	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00094633

Analytical Method: 8260B
Login Number: L0505401

AAB#: WG189548

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
29WW04-MAY05-D	05/17/05	05/18/05	05/22/05	14	5.32	05/22/05	14	5.32	
WS-001	05/17/05	05/18/05	05/22/05	14	5.32	05/22/05	14	5.32	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

SURROGATE STANDARDS

Login Number: L0505401
 Instrument Id: HPMS10
 Workgroup (AAB#): WG189539

Method: 8260
 CAL ID: HPMS10 - 23-APR-05
 Matrix: WATER

Sample Number	Dilution	Tag	1	2	3	4
L0505401-01	1.00	01	94.9	98.6	87.2	92.2
L0505401-02	1.00	01	92.5	97.8	87.5	93.2
L0505401-03	1.00	01	101	102	90.1	96.1
L0505401-04	1.00	01	98.6	98.7	<u>84.9</u>	92.7
L0505401-06	1.00	01	98.9	101	90.0	93.8
L0505401-07	1.00	01	99.1	98.7	88.1	93.3
L0505401-08	1.00	01	98.0	98.9	89.9	93.6
L0505401-10	1.00	01	97.7	100	88.6	93.5
WG189539-01	1.00	01	93.2	99.6	88.1	92.6
WG189539-02	1.00	01	95.2	103	<u>84.6</u>	93.1
WG189539-03	1.00	01	91.1	101	86.6	92.8
WG189539-04	1.00	01	104	103	91.2	94.5

Surrogates	Surrogate Limits
1 - 1,2-Dichloroethane-d4	80 - 120
2 - Dibromofluoromethane	86 - 118
3 - 4-Bromofluorobenzene	86 - 115
4 - Toluene-d8	88 - 110

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

SURROGATE STANDARDS

Login Number: L0505401
Instrument Id: HPMS8
Workgroup (AAB#): WG189548

Method: 8260
CAL ID: HPMS8 - 17-MAY-05
Matrix: WATER

Sample Number	Dilution	Tag	1	2	3	4
L0505401-05	1.00	01	112	106	98.8	105
L0505401-15	1.00	01	113	105	99.4	107
WG189548-01	1.00	01	107	103	99.2	107
WG189548-02	1.00	01	105	103	98.6	106
WG189548-03	1.00	01	105	103	98.6	105
WG189548-04	1.00	01	116	108	98.7	106

Surrogates		Surrogate Limits	
1	- 1,2-Dichloroethane-d4	80	- 120
2	- Dibromofluoromethane	86	- 118
3	- 4-Bromofluorobenzene	86	- 115
4	- Toluene-d8	88	- 110

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

Login Number: L0505401
Blank File ID: 10M38163
Date Analyzed: 05/21/05
Time Analyzed: 11:25
Analyst: MES

Work Group: WG189539
Blank Sample ID: WG189539-01
Instrument ID: HPMS10
Method: 8260B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG189539-02	10M38164	05/21/05 11:56	01
LCS2	WG189539-03	10M38165	05/21/05 12:27	01
051705-TB-1	L0505401-02	10M38170	05/21/05 15:02	01
051605-ER	L0505401-01	10M38175	05/21/05 17:36	01
29WW20-MAY05	L0505401-06	10M38176	05/21/05 18:07	01
29WW30-MAY05	L0505401-07	10M38177	05/21/05 18:38	01
29WW31-MAY05	L0505401-08	10M38178	05/21/05 19:09	01
29WW33-MAY05	L0505401-10	10M38179	05/21/05 19:40	01
29WW03-MAY05	L0505401-03	10M38180	05/21/05 20:11	01
29WW04-MAY05	L0505401-04	10M38181	05/21/05 20:42	01
BLANK2	WG189539-04	10M38186	05/21/05 23:18	01

Login Number: L0505401
Blank File ID: 8M320650
Date Analyzed: 05/22/05
Time Analyzed: 11:09
Analyst: MES

Work Group: WG189548
Blank Sample ID: WG189548-01
Instrument ID: HPMS8
Method: 8260B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG189548-02	8M320651	05/22/05 11:38	01
LCS2	WG189548-03	8M320652	05/22/05 12:08	01
29WW04-MAY05-D	L0505401-05	8M320662	05/22/05 17:06	01
WS-001	L0505401-15	8M320663	05/22/05 17:36	01
BLANK2	WG189548-04	8M320672	05/22/05 22:06	01

Login Number: L0505401 Run Date: 05/21/2005 Sample ID: WG189539-01
 Instrument ID: HPMS10 Run Time: 11:25 Prep Method: 5030B
 File ID: 10M38163 Analvst: MES Method: 8260B
 Workgroup (AAB#): WG189539 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS10 - 23-APR-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Acetone	2.50	10.0	2.50	1	U
Benzene	0.125	1.00	0.125	1	U
Bromobenzene	0.125	1.00	0.125	1	U
Bromochloromethane	0.200	1.00	0.200	1	U
Bromodichloromethane	0.250	1.00	0.250	1	U
Bromoform	0.540	1.00	0.540	1	U
Bromomethane	0.500	1.00	0.500	1	U
2-Butanone	2.50	10.0	2.50	1	U
n-Butylbenzene	0.250	1.00	0.250	1	U
sec-Butylbenzene	0.250	1.00	0.250	1	U
tert-Butylbenzene	0.250	1.00	0.250	1	U
Carbon disulfide	0.500	1.00	0.500	1	U
Carbon tetrachloride	0.250	1.00	0.250	1	U
Chlorobenzene	0.125	1.00	0.125	1	U
Chlorodibromomethane	0.250	1.00	0.250	1	U
Chloroethane	0.500	1.00	0.500	1	U
2-Chloroethyl vinyl ether	2.00	10.0	2.00	1	U
Chloroform	0.125	1.00	0.125	1	U
Chloromethane	0.250	1.00	0.250	1	U
2-Chlorotoluene	0.125	1.00	0.125	1	U
4-Chlorotoluene	0.250	1.00	0.250	1	U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1	U
1,2-Dibromoethane	0.250	1.00	0.250	1	U
Dibromomethane	0.250	1.00	0.250	1	U
1,2-Dichlorobenzene	0.125	1.00	0.125	1	U
1,3-Dichlorobenzene	0.250	1.00	0.250	1	U
1,4-Dichlorobenzene	0.125	1.00	0.125	1	U
Dichlorodifluoromethane	0.250	1.00	0.250	1	U
1,1-Dichloroethane	0.125	1.00	0.125	1	U
1,2-Dichloroethane	0.250	1.00	0.250	1	U
1,1-Dichloroethene	0.500	1.00	0.500	1	U
cis-1,2-Dichloroethene	0.250	1.00	0.250	1	U
trans-1,2-Dichloroethene	0.250	1.00	0.250	1	U
1,2-Dichloropropane	0.125	1.00	0.125	1	U
1,3-Dichloropropane	0.200	1.00	0.200	1	U
2,2-Dichloropropane	0.250	1.00	0.250	1	U
cis-1,3-Dichloropropene	0.250	1.00	0.250	1	U
trans-1,3-Dichloropropene	0.500	1.00	0.500	1	U
1,1-Dichloropropene	0.250	1.00	0.250	1	U
Ethylbenzene	0.250	1.00	0.250	1	U
2-Hexanone	2.50	10.0	2.50	1	U
Hexachlorobutadiene	0.250	1.00	0.334	1	J

KEMRON FORMS - Modified 05/17/2005
 Version 1.5 PDF File ID: 242240
 Report generated 05/25/2005 09:29

Login Number: L0505401 Run Date: 05/21/2005 Sample ID: WG189539-01
 Instrument ID: HPMS10 Run Time: 11:25 Prep Method: 5030B
 File ID: 10M38163 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG189539 Matrix: Water Units: ug/L
 Contract #: Cal ID: HPMS10 - 23-APR-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Isopropylbenzene	0.250	1.00	0.250	1	U
p-Isopropyltoluene	0.250	1.00	0.250	1	U
4-Methyl-2-pentanone	2.50	10.0	2.50	1	U
Methylene chloride	0.250	5.00	0.250	1	U
Naphthalene	0.200	1.00	0.200	1	U
n-Propylbenzene	0.125	1.00	0.125	1	U
Styrene	0.125	1.00	0.125	1	U
1,1,1,2-Tetrachloroethane	0.250	1.00	0.250	1	U
1,1,2,2-Tetrachloroethane	0.125	1.00	0.125	1	U
Tetrachloroethene	0.250	1.00	0.250	1	U
Toluene	0.250	1.00	0.250	1	U
1,2,3-Trichlorobenzene	0.125	1.00	0.125	1	U
1,2,4-Trichlorobenzene	0.200	1.00	0.200	1	U
1,1,1-Trichloroethane	0.250	1.00	0.250	1	U
1,1,2-Trichloroethane	0.250	1.00	0.250	1	U
Trichloroethene	0.250	1.00	0.250	1	U
Trichlorofluoromethane	0.250	1.00	0.250	1	U
1,2,3-Trichloropropane	0.750	1.00	0.750	1	U
1,2,4-Trimethylbenzene	0.250	1.00	0.250	1	U
1,3,5-Trimethylbenzene	0.250	1.00	0.250	1	U
Vinyl acetate	2.50	10.0	2.50	1	U
Vinyl chloride	0.250	1.00	0.250	1	U
o-Xylene	0.250	1.00	0.250	1	U
m-,p-Xylene	0.500	1.00	0.500	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	99.6	86 - 118	PASS
1,2-Dichloroethane-d4	93.2	80 - 120	PASS
Toluene-d8	92.6	88 - 110	PASS
4-Bromofluorobenzene	88.1	86 - 115	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

ND Analyte Not detected at or above reporting limit

Login Number: L0505401 Run Date: 05/21/2005 Sample ID: WG189539-04
 Instrument ID: HPMS10 Run Time: 23:18 Prep Method: 5030B
 File ID: 10M38186 Analvst: MES Method: 8260B
 Workgroup (AAB#): WG189539 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS10 - 23-APR-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Acetone	2.50	10.0	2.50	1	U
Benzene	0.125	1.00	0.125	1	U
Bromobenzene	0.125	1.00	0.125	1	U
Bromochloromethane	0.200	1.00	0.200	1	U
Bromodichloromethane	0.250	1.00	0.250	1	U
Bromoform	0.540	1.00	0.540	1	U
Bromomethane	0.500	1.00	0.500	1	U
2-Butanone	2.50	10.0	2.50	1	U
n-Butylbenzene	0.250	1.00	0.250	1	U
sec-Butylbenzene	0.250	1.00	0.250	1	U
tert-Butylbenzene	0.250	1.00	0.250	1	U
Carbon disulfide	0.500	1.00	0.500	1	U
Carbon tetrachloride	0.250	1.00	0.250	1	U
Chlorobenzene	0.125	1.00	0.125	1	U
Chlorodibromomethane	0.250	1.00	0.250	1	U
Chloroethane	0.500	1.00	0.500	1	U
2-Chloroethyl vinyl ether	2.00	10.0	2.00	1	U
Chloroform	0.125	1.00	0.125	1	U
Chloromethane	0.250	1.00	0.250	1	U
2-Chlorotoluene	0.125	1.00	0.125	1	U
4-Chlorotoluene	0.250	1.00	0.250	1	U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1	U
1,2-Dibromoethane	0.250	1.00	0.250	1	U
Dibromomethane	0.250	1.00	0.250	1	U
1,2-Dichlorobenzene	0.125	1.00	0.125	1	U
1,3-Dichlorobenzene	0.250	1.00	0.250	1	U
1,4-Dichlorobenzene	0.125	1.00	0.125	1	U
Dichlorodifluoromethane	0.250	1.00	0.250	1	U
1,1-Dichloroethane	0.125	1.00	0.125	1	U
1,2-Dichloroethane	0.250	1.00	0.250	1	U
1,1-Dichloroethene	0.500	1.00	0.500	1	U
cis-1,2-Dichloroethene	0.250	1.00	0.250	1	U
trans-1,2-Dichloroethene	0.250	1.00	0.250	1	U
1,2-Dichloropropane	0.125	1.00	0.125	1	U
1,3-Dichloropropane	0.200	1.00	0.200	1	U
2,2-Dichloropropane	0.250	1.00	0.250	1	U
cis-1,3-Dichloropropene	0.250	1.00	0.250	1	U
trans-1,3-Dichloropropene	0.500	1.00	0.500	1	U
1,1-Dichloropropene	0.250	1.00	0.250	1	U
Ethylbenzene	0.250	1.00	0.250	1	U
2-Hexanone	2.50	10.0	2.50	1	U
Hexachlorobutadiene	0.250	1.00	0.250	1	U

KEMRON FORMS - Modified 05/17/2005
 Version 1.5 PDF File ID: 242240
 Report generated 05/25/2005 09:29

Login Number: L0505401 Run Date: 05/21/2005 Sample ID: WG189539-04
 Instrument ID: HPMS10 Run Time: 23:18 Prep Method: 5030B
 File ID: 10M38186 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG189539 Matrix: Water Units: ug/L
 Contract #: Cal ID: HPMS10 - 23-APR-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Isopropylbenzene	0.250	1.00	0.250	1	U
p-Isopropyltoluene	0.250	1.00	0.250	1	U
4-Methyl-2-pentanone	2.50	10.0	2.50	1	U
Methylene chloride	0.250	5.00	0.250	1	U
Naphthalene	0.200	1.00	0.200	1	U
n-Propylbenzene	0.125	1.00	0.125	1	U
Styrene	0.125	1.00	0.125	1	U
1,1,1,2-Tetrachloroethane	0.250	1.00	0.250	1	U
1,1,2,2-Tetrachloroethane	0.125	1.00	0.125	1	U
Tetrachloroethene	0.250	1.00	0.250	1	U
Toluene	0.250	1.00	0.250	1	U
1,2,3-Trichlorobenzene	0.125	1.00	0.125	1	U
1,2,4-Trichlorobenzene	0.200	1.00	0.200	1	U
1,1,1-Trichloroethane	0.250	1.00	0.250	1	U
1,1,2-Trichloroethane	0.250	1.00	0.250	1	U
Trichloroethene	0.250	1.00	0.250	1	U
Trichlorofluoromethane	0.250	1.00	0.250	1	U
1,2,3-Trichloropropane	0.750	1.00	0.750	1	U
1,2,4-Trimethylbenzene	0.250	1.00	0.250	1	U
1,3,5-Trimethylbenzene	0.250	1.00	0.250	1	U
Vinyl acetate	2.50	10.0	2.50	1	U
Vinyl chloride	0.250	1.00	0.250	1	U
o-Xylene	0.250	1.00	0.250	1	U
m-,p-Xylene	0.500	1.00	0.500	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	103	86 - 118	PASS
1,2-Dichloroethane-d4	104	80 - 120	PASS
Toluene-d8	94.5	88 - 110	PASS
4-Bromofluorobenzene	91.2	86 - 115	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

ND Analyte Not detected at or above reporting limit

Login Number: L0505401 Run Date: 05/22/2005 Sample ID: WG189548-01
 Instrument ID: HPMS8 Run Time: 11:09 Prep Method: 5030B
 File ID: 8M320650 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG189548 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS8-17-MAY-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Acetone	2.50	10.0	2.50	1	U
Benzene	0.125	1.00	0.125	1	U
Bromobenzene	0.125	1.00	0.125	1	U
Bromochloromethane	0.200	1.00	0.200	1	U
Bromodichloromethane	0.250	1.00	0.250	1	U
Bromoform	0.540	1.00	0.540	1	U
Bromomethane	0.500	1.00	0.500	1	U
2-Butanone	2.50	10.0	2.50	1	U
n-Butylbenzene	0.250	1.00	0.250	1	U
sec-Butylbenzene	0.250	1.00	0.250	1	U
tert-Butylbenzene	0.250	1.00	0.250	1	U
Carbon disulfide	0.500	1.00	0.500	1	U
Carbon tetrachloride	0.250	1.00	0.250	1	U
Chlorobenzene	0.125	1.00	0.125	1	U
Chlorodibromomethane	0.250	1.00	0.250	1	U
Chloroethane	0.500	1.00	0.500	1	U
2-Chloroethyl vinyl ether	2.00	10.0	2.00	1	U
Chloroform	0.125	1.00	0.125	1	U
Chloromethane	0.250	1.00	0.250	1	U
2-Chlorotoluene	0.125	1.00	0.125	1	U
4-Chlorotoluene	0.250	1.00	0.250	1	U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1	U
1,2-Dibromoethane	0.250	1.00	0.250	1	U
Dibromomethane	0.250	1.00	0.250	1	U
1,2-Dichlorobenzene	0.125	1.00	0.125	1	U
1,3-Dichlorobenzene	0.250	1.00	0.250	1	U
1,4-Dichlorobenzene	0.125	1.00	0.125	1	U
Dichlorodifluoromethane	0.250	1.00	0.250	1	U
1,1-Dichloroethane	0.125	1.00	0.125	1	U
1,2-Dichloroethane	0.250	1.00	0.250	1	U
1,1-Dichloroethene	0.500	1.00	0.500	1	U
cis-1,2-Dichloroethene	0.250	1.00	0.250	1	U
trans-1,2-Dichloroethene	0.250	1.00	0.250	1	U
1,2-Dichloropropane	0.125	1.00	0.125	1	U
1,3-Dichloropropane	0.200	1.00	0.200	1	U
2,2-Dichloropropane	0.250	1.00	0.250	1	U
cis-1,3-Dichloropropene	0.250	1.00	0.250	1	U
trans-1,3-Dichloropropene	0.500	1.00	0.500	1	U
1,1-Dichloropropene	0.250	1.00	0.250	1	U
Ethylbenzene	0.250	1.00	0.250	1	U
2-Hexanone	2.50	10.0	2.50	1	U
Hexachlorobutadiene	0.250	1.00	0.380	1	J

KEMRON FORMS - Modified 05/17/2005
 Version 1.5 PDF File ID: 242240
 Report generated 05/25/2005 09:29

Login Number: L0505401 Run Date: 05/22/2005 Sample ID: WG189548-01
 Instrument ID: HPMS8 Run Time: 11:09 Prep Method: 5030B
 File ID: 8M320650 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG189548 Matrix: Water Units: ug/L
 Contract #: Cal ID: HPMS8 - 17-MAY-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Isopropylbenzene	0.250	1.00	0.250	1	U
p-Isopropyltoluene	0.250	1.00	0.250	1	U
4-Methyl-2-pentanone	2.50	10.0	2.50	1	U
Methylene chloride	0.250	5.00	0.250	1	U
Naphthalene	0.200	1.00	0.372	1	J
n-Propylbenzene	0.125	1.00	0.125	1	U
Styrene	0.125	1.00	0.125	1	U
1,1,1,2-Tetrachloroethane	0.250	1.00	0.250	1	U
1,1,2,2-Tetrachloroethane	0.125	1.00	0.125	1	U
Tetrachloroethene	0.250	1.00	0.250	1	U
Toluene	0.250	1.00	0.250	1	U
1,2,3-Trichlorobenzene	0.125	1.00	0.145	1	J
1,2,4-Trichlorobenzene	0.200	1.00	0.200	1	U
1,1,1-Trichloroethane	0.250	1.00	0.250	1	U
1,1,2-Trichloroethane	0.250	1.00	0.250	1	U
Trichloroethene	0.250	1.00	0.250	1	U
Trichlorofluoromethane	0.250	1.00	0.250	1	U
1,2,3-Trichloropropane	0.750	1.00	0.750	1	U
1,2,4-Trimethylbenzene	0.250	1.00	0.250	1	U
1,3,5-Trimethylbenzene	0.250	1.00	0.250	1	U
Vinyl acetate	2.50	10.0	2.50	1	U
Vinyl chloride	0.250	1.00	0.250	1	U
o-Xylene	0.250	1.00	0.250	1	U
m-,p-Xylene	0.500	1.00	0.500	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	103	86 - 118	PASS
1,2-Dichloroethane-d4	107	80 - 120	PASS
Toluene-d8	107	88 - 110	PASS
4-Bromofluorobenzene	99.2	86 - 115	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

ND Analyte Not detected at or above reporting limit

Login Number: L0505401 Run Date: 05/22/2005 Sample ID: WG189548-04
 Instrument ID: HPMS8 Run Time: 22:06 Prep Method: 5030B
 File ID: 8M320672 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG189548 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS8-17-MAY-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Acetone	2.50	10.0	2.50	1	U
Benzene	0.125	1.00	0.125	1	U
Bromobenzene	0.125	1.00	0.125	1	U
Bromochloromethane	0.200	1.00	0.200	1	U
Bromodichloromethane	0.250	1.00	0.250	1	U
Bromoform	0.540	1.00	0.540	1	U
Bromomethane	0.500	1.00	0.500	1	U
2-Butanone	2.50	10.0	2.50	1	U
n-Butylbenzene	0.250	1.00	0.250	1	U
sec-Butylbenzene	0.250	1.00	0.250	1	U
tert-Butylbenzene	0.250	1.00	0.250	1	U
Carbon disulfide	0.500	1.00	0.500	1	U
Carbon tetrachloride	0.250	1.00	0.250	1	U
Chlorobenzene	0.125	1.00	0.125	1	U
Chlorodibromomethane	0.250	1.00	0.250	1	U
Chloroethane	0.500	1.00	0.500	1	U
2-Chloroethyl vinyl ether	2.00	10.0	2.00	1	U
Chloroform	0.125	1.00	0.125	1	U
Chloromethane	0.250	1.00	0.250	1	U
2-Chlorotoluene	0.125	1.00	0.125	1	U
4-Chlorotoluene	0.250	1.00	0.250	1	U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1	U
1,2-Dibromoethane	0.250	1.00	0.250	1	U
Dibromomethane	0.250	1.00	0.250	1	U
1,2-Dichlorobenzene	0.125	1.00	0.125	1	U
1,3-Dichlorobenzene	0.250	1.00	0.250	1	U
1,4-Dichlorobenzene	0.125	1.00	0.125	1	U
Dichlorodifluoromethane	0.250	1.00	0.250	1	U
1,1-Dichloroethane	0.125	1.00	0.125	1	U
1,2-Dichloroethane	0.250	1.00	0.250	1	U
1,1-Dichloroethene	0.500	1.00	0.500	1	U
cis-1,2-Dichloroethene	0.250	1.00	0.250	1	U
trans-1,2-Dichloroethene	0.250	1.00	0.250	1	U
1,2-Dichloropropane	0.125	1.00	0.125	1	U
1,3-Dichloropropane	0.200	1.00	0.200	1	U
2,2-Dichloropropane	0.250	1.00	0.250	1	U
cis-1,3-Dichloropropene	0.250	1.00	0.250	1	U
trans-1,3-Dichloropropene	0.500	1.00	0.500	1	U
1,1-Dichloropropene	0.250	1.00	0.250	1	U
Ethylbenzene	0.250	1.00	0.250	1	U
2-Hexanone	2.50	10.0	2.50	1	U
Hexachlorobutadiene	0.250	1.00	0.250	1	U

KEMRON FORMS - Modified 05/17/2005
 Version 1.5 PDF File ID: 242240
 Report generated 05/25/2005 09:29

Login Number: L0505401 Run Date: 05/22/2005 Sample ID: WG189548-04
 Instrument ID: HPMS8 Run Time: 22:06 Prep Method: 5030B
 File ID: 8M320672 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG189548 Matrix: Water Units: ug/L
 Contract #: Cal ID: HPMS8 - 17-MAY-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Isopropylbenzene	0.250	1.00	0.250	1	U
p-Isopropyltoluene	0.250	1.00	0.250	1	U
4-Methyl-2-pentanone	2.50	10.0	2.50	1	U
Methylene chloride	0.250	5.00	0.250	1	U
Naphthalene	0.200	1.00	0.200	1	U
n-Propylbenzene	0.125	1.00	0.125	1	U
Styrene	0.125	1.00	0.125	1	U
1,1,1,2-Tetrachloroethane	0.250	1.00	0.250	1	U
1,1,2,2-Tetrachloroethane	0.125	1.00	0.125	1	U
Tetrachloroethene	0.250	1.00	0.250	1	U
Toluene	0.250	1.00	0.250	1	U
1,2,3-Trichlorobenzene	0.125	1.00	0.125	1	U
1,2,4-Trichlorobenzene	0.200	1.00	0.200	1	U
1,1,1-Trichloroethane	0.250	1.00	0.250	1	U
1,1,2-Trichloroethane	0.250	1.00	0.250	1	U
Trichloroethene	0.250	1.00	0.250	1	U
Trichlorofluoromethane	0.250	1.00	0.250	1	U
1,2,3-Trichloropropane	0.750	1.00	0.750	1	U
1,2,4-Trimethylbenzene	0.250	1.00	0.250	1	U
1,3,5-Trimethylbenzene	0.250	1.00	0.250	1	U
Vinyl acetate	2.50	10.0	2.50	1	U
Vinyl chloride	0.250	1.00	0.250	1	U
o-Xylene	0.250	1.00	0.250	1	U
m-,p-Xylene	0.500	1.00	0.500	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	108	86 - 118	PASS
1,2-Dichloroethane-d4	116	80 - 120	PASS
Toluene-d8	106	88 - 110	PASS
4-Bromofluorobenzene	98.7	86 - 115	PASS

MDL Method Detection Limit

RL Reporting/quantitation Limit

* Analyte concentration > RL

ND Analyte Not detected at or above reporting limit

Login Number: L0505401 Run Date: 05/21/2005 Sample ID: WG189539-02
 Instrument ID: HPMS10 Run Time: 11:56 Prep Method: 5030B
 File ID: 10M38164 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG189539 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS10 - 23-APR-2005

Analytes	Expected	Found	% Rec	LCS Limits	Q
Acetone	20.0	15.7	78.7	40 - 142	
Benzene	20.0	20.1	101	80 - 121	
Bromobenzene	20.0	19.6	98.2	80 - 120	
Bromochloromethane	20.0	21.3	106	80 - 124	
Bromodichloromethane	20.0	22.8	114	80 - 131	
Bromoform	20.0	20.9	104	74 - 130	
Bromomethane	20.0	21.9	109	61 - 151	
2-Butanone	20.0	17.0	85.0	58 - 149	
n-Butylbenzene	20.0	18.4	92.2	80 - 131	
sec-Butylbenzene	20.0	19.2	95.8	80 - 127	
tert-Butylbenzene	20.0	19.3	96.3	80 - 126	
Carbon disulfide	20.0	20.2	101	58 - 138	
Carbon tetrachloride	20.0	22.9	115	80 - 137	
Chlorobenzene	20.0	20.8	104	80 - 120	
Chlorodibromomethane	20.0	21.2	106	80 - 127	
Chloroethane	20.0	20.1	101	77 - 133	
2-Chloroethyl vinyl ether	20.0	23.0	115	10 - 211	
Chloroform	20.0	21.4	107	80 - 125	
Chloromethane	20.0	19.8	99.0	60 - 130	
2-Chlorotoluene	20.0	19.4	96.9	80 - 127	
4-Chlorotoluene	20.0	19.7	98.4	80 - 126	
1,2-Dibromo-3-chloropropane	20.0	16.8	84.0	65 - 129	
1,2-Dibromoethane	20.0	21.0	105	80 - 125	
Dibromomethane	20.0	20.8	104	80 - 126	
1,2-Dichlorobenzene	20.0	19.3	96.3	80 - 125	
1,3-Dichlorobenzene	20.0	19.8	98.9	80 - 120	
1,4-Dichlorobenzene	20.0	19.1	95.7	80 - 120	
Dichlorodifluoromethane	20.0	23.6	118	50 - 133	
1,1-Dichloroethane	20.0	19.9	99.5	80 - 125	
1,2-Dichloroethane	20.0	20.9	105	80 - 129	
1,1-Dichloroethene	20.0	19.9	99.7	80 - 132	
cis-1,2-Dichloroethene	20.0	20.5	103	80 - 121	
trans-1,2-Dichloroethene	20.0	21.0	105	80 - 127	
1,2-Dichloropropane	20.0	19.6	98.1	80 - 120	
1,3-Dichloropropane	20.0	19.6	98.1	80 - 120	
2,2-Dichloropropane	20.0	23.7	118	80 - 133	
cis-1,3-Dichloropropene	20.0	21.7	108	80 - 132	
trans-1,3-Dichloropropene	20.0	23.1	115	80 - 130	
1,1-Dichloropropene	20.0	20.5	103	74 - 139	
Ethylbenzene	20.0	20.6	103	80 - 122	
2-Hexanone	20.0	16.2	81.0	56 - 136	

Login Number: L0505401 Run Date: 05/21/2005 Sample ID: WG189539-02
 Instrument ID: HPMS10 Run Time: 11:56 Prep Method: 5030B
 File ID: 10M38164 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG189539 Matrix: Water Units: ug/L
 Contract #: DACA56-94-D-0020 Cal ID: HPMS10 - 23-APR-2005

Analytes	Expected	Found	% Rec	LCS Limits	Q
Hexachlorobutadiene	20.0	16.1	80.5	72 - 132	
Isopropylbenzene	20.0	22.0	110	80 - 122	
p-Isopropyltoluene	20.0	19.5	97.4	80 - 122	
4-Methyl-2-pentanone	20.0	17.5	87.5	64 - 140	
Methylene chloride	20.0	19.5	97.6	80 - 123	
Naphthalene	20.0	19.6	98.1	59 - 149	
n-Propylbenzene	20.0	19.1	95.3	80 - 129	
Styrene	20.0	20.6	103	80 - 123	
1,1,1,2-Tetrachloroethane	20.0	24.9	124	80 - 130	
1,1,2,2-Tetrachloroethane	20.0	17.7	88.4	79 - 125	
Tetrachloroethene	20.0	21.8	109	80 - 124	
Toluene	20.0	20.4	102	80 - 124	
1,2,3-Trichlorobenzene	20.0	20.3	102	62 - 140	
1,2,4-Trichlorobenzene	20.0	19.4	97.1	77 - 131	
1,1,1-Trichloroethane	20.0	23.9	120	80 - 134	
1,1,2-Trichloroethane	20.0	19.3	96.7	80 - 125	
Trichloroethene	20.0	21.5	107	80 - 122	
Trichlorofluoromethane	20.0	23.6	118	62 - 151	
1,2,3-Trichloropropane	20.0	19.6	98.2	80 - 126	
1,2,4-Trimethylbenzene	20.0	19.2	95.8	80 - 125	
1,3,5-Trimethylbenzene	20.0	19.8	99.0	80 - 127	
Vinyl acetate	20.0	18.3	91.7	10 - 285	
Vinyl chloride	20.0	23.6	118	65 - 140	
o-Xylene	20.0	21.1	105	80 - 122	
m-, p-Xylene	40.0	41.2	103	80 - 122	

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	103	86 - 118	PASS
1,2-Dichloroethane-d4	95.2	80 - 120	PASS
Toluene-d8	93.1	88 - 110	PASS
4-Bromofluorobenzene	84.6	86 - 115	FAIL

* FAILS %REC LIMIT

Login Number: L0505401 Analyst: MES Prep Method: 5030B
 Instrument ID: HPMS10 Matrix: Water Method: 8260B
 Workgroup (AAB#): WG189539 Units: ug/L
 Sample ID: WG189539-02 LCS File ID: 10M38164 Run Date: 05/21/2005 11:56
 Sample ID: WG189539-03 LCS2 File ID: 10M38165 Run Date: 05/21/2005 12:27

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Acetone	20.0	15.7	78.7	20.0	16.8	83.9	6.47	40 - 142	63	
Benzene	20.0	20.1	101	20.0	20.4	102	1.31	80 - 121	21	
Bromobenzene	20.0	19.6	98.2	20.0	20.3	101	3.23	80 - 120	18	
Bromochloromethane	20.0	21.3	106	20.0	21.6	108	1.27	80 - 124	20	
Bromodichloromethane	20.0	22.8	114	20.0	22.5	112	1.25	80 - 131	25	
Bromoform	20.0	20.9	104	20.0	20.8	104	0.343	74 - 130	35	
Bromomethane	20.0	21.9	109	20.0	21.1	106	3.46	61 - 151	56	
2-Butanone	20.0	17.0	85.0	20.0	17.4	87.1	2.44	58 - 149	56	
n-Butylbenzene	20.0	18.4	92.2	20.0	19.1	95.7	3.71	80 - 131	29	
sec-Butylbenzene	20.0	19.2	95.8	20.0	19.6	97.8	2.05	80 - 127	28	
tert-Butylbenzene	20.0	19.3	96.3	20.0	20.0	99.8	3.61	80 - 126	27	
Carbon disulfide	20.0	20.2	101	20.0	20.6	103	2.31	58 - 138	49	
Carbon tetrachloride	20.0	22.9	115	20.0	22.6	113	1.59	80 - 137	32	
Chlorobenzene	20.0	20.8	104	20.0	21.0	105	0.925	80 - 120	16	
Chlorodibromomethane	20.0	21.2	106	20.0	21.1	105	0.481	80 - 127	26	
Chloroethane	20.0	20.1	101	20.0	20.4	102	1.29	77 - 133	34	
2-Chloroethyl vinyl ether	20.0	23.0	115	20.0	23.3	116	1.20	10 - 211	125	
Chloroform	20.0	21.4	107	20.0	21.3	106	0.455	80 - 125	23	
Chloromethane	20.0	19.8	99.0	20.0	19.1	95.3	3.79	60 - 130	43	
2-Chlorotoluene	20.0	19.4	96.9	20.0	19.9	99.3	2.45	80 - 127	28	
4-Chlorotoluene	20.0	19.7	98.4	20.0	19.8	99.2	0.868	80 - 126	26	
1,2-Dibromo-3-chloropropane	20.0	16.8	84.0	20.0	18.9	94.4	11.6	65 - 129	39	
1,2-Dibromoethane	20.0	21.0	105	20.0	21.3	106	1.39	80 - 125	20	
Dibromomethane	20.0	20.8	104	20.0	20.4	102	1.61	80 - 126	24	
1,2-Dichlorobenzene	20.0	19.3	96.3	20.0	19.9	99.3	3.08	80 - 125	15	
1,3-Dichlorobenzene	20.0	19.8	98.9	20.0	19.9	99.7	0.872	80 - 120	16	
1,4-Dichlorobenzene	20.0	19.1	95.7	20.0	19.6	98.1	2.52	80 - 120	15	
Dichlorodifluoromethane	20.0	23.6	118	20.0	23.1	115	2.00	50 - 133	51	
1,1-Dichloroethane	20.0	19.9	99.5	20.0	20.1	101	1.12	80 - 125	21	
1,2-Dichloroethane	20.0	20.9	105	20.0	20.7	103	1.16	80 - 129	29	
1,1-Dichloroethene	20.0	19.9	99.7	20.0	20.5	103	2.80	80 - 132	26	
cis-1,2-Dichloroethene	20.0	20.5	103	20.0	20.6	103	0.519	80 - 121	19	
trans-1,2-Dichloroethene	20.0	21.0	105	20.0	21.2	106	0.678	80 - 127	24	
1,2-Dichloropropane	20.0	19.6	98.1	20.0	20.0	99.8	1.74	80 - 120	20	
1,3-Dichloropropane	20.0	19.6	98.1	20.0	19.6	98.1	0.0096	80 - 120	20	
2,2-Dichloropropane	20.0	23.7	118	20.0	24.3	121	2.53	80 - 133	29	
cis-1,3-Dichloropropene	20.0	21.7	108	20.0	21.8	109	0.458	80 - 132	26	
trans-1,3-Dichloropropene	20.0	23.1	115	20.0	23.2	116	0.591	80 - 130	25	
1,1-Dichloropropene	20.0	20.5	103	20.0	20.7	103	0.863	74 - 139	40	
Ethylbenzene	20.0	20.6	103	20.0	21.1	105	2.01	80 - 122	20	
2-Hexanone	20.0	16.2	81.0	20.0	16.6	82.9	2.38	56 - 136	49	
Hexachlorobutadiene	20.0	16.1	80.5	20.0	16.6	83.2	3.32	72 - 132	36	

KEMRON FORMS - Modified 01/03/2005
 Version 1.5 PDF File ID: 242064
 Report generated 05/25/2005 09:29

Login Number: L0505401 Analyst: MES Prep Method: 5030B
 Instrument ID: HPMS10 Matrix: Water Method: 8260B
 Workgroup (AAB#): WG189539 Units: ug/L
 Sample ID: WG189539-02 LCS File ID: 10M38164 Run Date: 05/21/2005 11:56
 Sample ID: WG189539-03 LCS2 File ID: 10M38165 Run Date: 05/21/2005 12:27

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Isopropylbenzene	20.0	22.0	110	20.0	22.0	110	0.181	80 - 122	24	
p-Isopropyltoluene	20.0	19.5	97.4	20.0	19.9	99.5	2.12	80 - 122	24	
4-Methyl-2-pentanone	20.0	17.5	87.5	20.0	18.1	90.7	3.55	64 - 140	47	
Methylene chloride	20.0	19.5	97.6	20.0	19.6	98.2	0.660	80 - 123	22	
Naphthalene	20.0	19.6	98.1	20.0	19.6	98.0	0.109	59 - 149	55	
n-Propylbenzene	20.0	19.1	95.3	20.0	19.7	98.7	3.46	80 - 129	27	
Styrene	20.0	20.6	103	20.0	20.9	105	1.80	80 - 123	20	
1,1,1,2-Tetrachloroethane	20.0	24.9	124	20.0	24.7	123	0.693	80 - 130	25	
1,1,2,2-Tetrachloroethane	20.0	17.7	88.4	20.0	18.6	93.1	5.17	79 - 125	28	
Tetrachloroethene	20.0	21.8	109	20.0	21.7	109	0.413	80 - 124	22	
Toluene	20.0	20.4	102	20.0	20.8	104	1.73	80 - 124	22	
1,2,3-Trichlorobenzene	20.0	20.3	102	20.0	21.1	105	3.62	62 - 140	48	
1,2,4-Trichlorobenzene	20.0	19.4	97.1	20.0	19.9	99.6	2.52	77 - 131	33	
1,1,1-Trichloroethane	20.0	23.9	120	20.0	23.7	118	0.987	80 - 134	28	
1,1,2-Trichloroethane	20.0	19.3	96.7	20.0	20.1	100	3.71	80 - 125	20	
Trichloroethene	20.0	21.5	107	20.0	21.3	107	0.665	80 - 122	21	
Trichlorofluoromethane	20.0	23.6	118	20.0	23.1	116	2.08	62 - 151	55	
1,2,3-Trichloropropane	20.0	19.6	98.2	20.0	20.6	103	4.70	80 - 126	25	
1,2,4-Trimethylbenzene	20.0	19.2	95.8	20.0	19.6	98.0	2.34	80 - 125	26	
1,3,5-Trimethylbenzene	20.0	19.8	99.0	20.0	20.2	101	2.28	80 - 127	25	
Vinyl acetate	20.0	18.3	91.7	20.0	20.7	103	11.9	10 - 285	201	
Vinyl chloride	20.0	23.6	118	20.0	22.0	110	6.95	65 - 140	46	
o-Xylene	20.0	21.1	105	20.0	20.8	104	1.37	80 - 122	18	
m-, p-Xylene	40.0	41.2	103	40.0	41.4	104	0.610	80 - 122	21	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
Dibromofluoromethane	103	101	86 - 118	PASS
1,2-Dichloroethane-d4	95.2	91.1	80 - 120	PASS
Toluene-d8	93.1	92.8	88 - 110	PASS
4-Bromofluorobenzene	84.6	86.6	86 - 115	FAIL

* FAILS %REC LIMIT

FAILS RPD LIMIT

Login Number: L0505401 Analyst: MES Prep Method: 5030B
 Instrument ID: HPMS8 Matrix: Water Method: 8260B
 Workgroup (AAB#): WG189548 Units: ug/L
 Sample ID: WG189548-02 LCS File ID: 8M320651 Run Date: 05/22/2005 11:38
 Sample ID: WG189548-03 LCS2 File ID: 8M320652 Run Date: 05/22/2005 12:08

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Acetone	20.0	20.1	100	20.0	20.3	102	1.22	40 - 142	63	
Benzene	20.0	19.4	97.2	20.0	18.9	94.3	3.01	80 - 121	21	
Bromobenzene	20.0	21.1	105	20.0	21.1	106	0.312	80 - 120	18	
Bromochloromethane	20.0	20.3	101	20.0	20.2	101	0.445	80 - 124	20	
Bromodichloromethane	20.0	24.5	123	20.0	23.8	119	2.73	80 - 131	25	
Bromoform	20.0	21.4	107	20.0	22.2	111	3.61	74 - 130	35	
Bromomethane	20.0	18.9	94.6	20.0	18.8	94.1	0.523	61 - 151	56	
2-Butanone	20.0	20.3	101	20.0	21.2	106	4.58	58 - 149	56	
n-Butylbenzene	20.0	21.7	109	20.0	20.9	104	3.95	80 - 131	29	
sec-Butylbenzene	20.0	21.6	108	20.0	20.6	103	4.67	80 - 127	28	
tert-Butylbenzene	20.0	19.8	98.8	20.0	19.6	98.0	0.789	80 - 126	27	
Carbon disulfide	20.0	19.6	97.8	20.0	18.9	94.5	3.52	58 - 138	49	
Carbon tetrachloride	20.0	23.2	116	20.0	21.7	108	6.69	80 - 137	32	
Chlorobenzene	20.0	21.1	106	20.0	20.5	102	3.01	80 - 120	16	
Chlorodibromomethane	20.0	22.1	111	20.0	22.1	111	0.153	80 - 127	26	
Chloroethane	20.0	19.0	95.1	20.0	18.5	92.6	2.65	77 - 133	34	
2-Chloroethyl vinyl ether	20.0	18.3	91.3	20.0	18.9	94.6	3.57	10 - 211	125	
Chloroform	20.0	21.7	108	20.0	20.4	102	5.89	80 - 125	23	
Chloromethane	20.0	21.5	107	20.0	19.4	97.1	10.1	60 - 130	43	
2-Chlorotoluene	20.0	21.0	105	20.0	20.3	102	3.21	80 - 127	28	
4-Chlorotoluene	20.0	23.1	116	20.0	22.4	112	3.30	80 - 126	26	
1,2-Dibromo-3-chloropropane	20.0	22.7	113	20.0	23.1	115	1.81	65 - 129	39	
1,2-Dibromoethane	20.0	22.3	111	20.0	23.4	117	4.96	80 - 125	20	
Dibromomethane	20.0	21.0	105	20.0	21.2	106	0.995	80 - 126	24	
1,2-Dichlorobenzene	20.0	21.6	108	20.0	21.4	107	0.924	80 - 125	15	
1,3-Dichlorobenzene	20.0	20.7	103	20.0	20.4	102	1.33	80 - 120	16	
1,4-Dichlorobenzene	20.0	20.3	102	20.0	20.5	102	0.668	80 - 120	15	
Dichlorodifluoromethane	20.0	25.9	130	20.0	24.0	120	7.79	50 - 133	51	
1,1-Dichloroethane	20.0	20.2	101	20.0	19.1	95.7	5.48	80 - 125	21	
1,2-Dichloroethane	20.0	21.7	109	20.0	21.7	108	0.351	80 - 129	29	
1,1-Dichloroethene	20.0	20.8	104	20.0	19.6	98.0	6.04	80 - 132	26	
cis-1,2-Dichloroethene	20.0	19.4	96.9	20.0	20.9	105	7.75	80 - 121	19	
trans-1,2-Dichloroethene	20.0	21.4	107	20.0	20.3	102	5.01	80 - 127	24	
1,2-Dichloropropane	20.0	19.4	97.0	20.0	19.2	95.9	1.08	80 - 120	20	
1,3-Dichloropropane	20.0	21.3	106	20.0	21.1	105	0.974	80 - 120	20	
2,2-Dichloropropane	20.0	24.7	124	20.0	23.3	116	6.09	80 - 133	29	
cis-1,3-Dichloropropene	20.0	22.2	111	20.0	22.3	111	0.304	80 - 132	26	
trans-1,3-Dichloropropene	20.0	22.8	114	20.0	22.5	112	1.56	80 - 130	25	
1,1-Dichloropropene	20.0	20.4	102	20.0	19.5	97.3	4.53	74 - 139	40	
Ethylbenzene	20.0	21.7	109	20.0	20.7	103	5.16	80 - 122	20	
2-Hexanone	20.0	20.2	101	20.0	21.3	106	5.10	56 - 136	49	
Hexachlorobutadiene	20.0	20.9	105	20.0	19.7	98.5	6.00	72 - 132	36	

KEMRON FORMS - Modified 01/03/2005
 Version 1.5 PDF File ID: 242064
 Report generated 05/25/2005 09:29

Login Number: L0505401 Analyst: MES Prep Method: 5030B
 Instrument ID: HPMS8 Matrix: Water Method: 8260B
 Workgroup (AAB#): WG189548 Units: ug/L
 Sample ID: WG189548-02 LCS File ID: 8M320651 Run Date: 05/22/2005 11:38
 Sample ID: WG189548-03 LCS2 File ID: 8M320652 Run Date: 05/22/2005 12:08

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Isopropylbenzene	20.0	21.3	106	20.0	20.0	99.9	6.35	80 - 122	24	
p-Isopropyltoluene	20.0	21.3	107	20.0	20.8	104	2.41	80 - 122	24	
4-Methyl-2-pentanone	20.0	19.5	97.3	20.0	20.2	101	3.71	64 - 140	47	
Methylene chloride	20.0	20.3	102	20.0	19.6	97.9	3.77	80 - 123	22	
Naphthalene	20.0	20.2	101	20.0	20.4	102	1.17	59 - 149	55	
n-Propylbenzene	20.0	21.5	108	20.0	20.9	104	3.07	80 - 129	27	
Styrene	20.0	21.2	106	20.0	20.2	101	4.98	80 - 123	20	
1,1,1,2-Tetrachloroethane	20.0	25.4	127	20.0	24.1	120	5.16	80 - 130	25	
1,1,2,2-Tetrachloroethane	20.0	20.7	103	20.0	21.4	107	3.25	79 - 125	28	
Tetrachloroethene	20.0	21.0	105	20.0	20.4	102	3.16	80 - 124	22	
Toluene	20.0	21.9	109	20.0	20.7	104	5.42	80 - 124	22	
1,2,3-Trichlorobenzene	20.0	21.3	106	20.0	21.4	107	0.319	62 - 140	48	
1,2,4-Trichlorobenzene	20.0	20.9	104	20.0	20.4	102	2.13	77 - 131	33	
1,1,1-Trichloroethane	20.0	22.8	114	20.0	21.6	108	5.44	80 - 134	28	
1,1,2-Trichloroethane	20.0	21.6	108	20.0	22.4	112	3.78	80 - 125	20	
Trichloroethene	20.0	19.6	97.9	20.0	19.2	96.1	1.86	80 - 122	21	
Trichlorofluoromethane	20.0	21.6	108	20.0	20.3	102	6.10	62 - 151	55	
1,2,3-Trichloropropane	20.0	21.8	109	20.0	22.6	113	3.63	80 - 126	25	
1,2,4-Trimethylbenzene	20.0	22.0	110	20.0	21.4	107	2.83	80 - 125	26	
1,3,5-Trimethylbenzene	20.0	22.3	112	20.0	21.7	109	2.66	80 - 127	25	
Vinyl acetate	20.0	20.8	104	20.0	21.3	107	2.29	10 - 285	201	
Vinyl chloride	20.0	22.8	114	20.0	21.0	105	8.17	65 - 140	46	
o-Xylene	20.0	22.2	111	20.0	21.1	105	5.10	80 - 122	18	
m-, p-Xylene	40.0	44.3	111	40.0	42.2	106	4.76	80 - 122	21	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
Dibromofluoromethane	103	103	86 - 118	PASS
1,2-Dichloroethane-d4	105	105	80 - 120	PASS
Toluene-d8	106	105	88 - 110	PASS
4-Bromofluorobenzene	98.6	98.6	86 - 115	PASS

* FAILS %REC LIMIT

FAILS RPD LIMIT

**KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK**

BFB

Login Number: <u>L0505401</u>	Tune ID: <u>WG187632-01</u>
Instrument: <u>HPMS10</u>	Run Date: <u>04/23/2005</u>
Analyst: <u>MES</u>	Run Time: <u>11:48</u>
Workgroup: <u>WG187632</u>	File ID: <u>10M37431</u>
Cal ID: <u>HPMS10 - 23-APR-05</u>	

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	20.4	4731	PASS
75.0	95.0	30.0	60.0	50.5	11723	PASS
95.0	95.0	100	100	100	23213	PASS
96.0	95.0	5.00	9.00	6.79	1576	PASS
173	174	0	2.00	0	0	PASS
174	95.0	50.0	100	81.9	19021	PASS
175	174	5.00	9.00	7.79	1482	PASS
176	174	95.0	101	101	19202	PASS
177	176	5.00	9.00	6.20	1191	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG187632-11	SSCV	01	04/23/2005 18:10	
WG187632-10	STD	01	04/23/2005 16:36	
WG187632-09	STD	01	04/23/2005 16:05	
WG187632-08	CCV	01	04/23/2005 15:34	
WG187632-07	STD	01	04/23/2005 15:02	
WG187632-06	STD	01	04/23/2005 14:31	
WG187632-05	STD	01	04/23/2005 14:00	
WG187632-04	STD	01	04/23/2005 13:29	
WG187632-03	STD	01	04/23/2005 12:57	
WG187632-02	STD	01	04/23/2005 12:24	

* Sample past 12 hour tune limit

**KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK**

BFB

Login Number: L0505401	Tune ID: WG189224-01
Instrument: HPMS8	Run Date: 05/17/2005
Analyst: CMS	Run Time: 14:15
Workgroup: WG189224	File ID: 8M320501
Cal ID: HPMS8 - 17-MAY-05	

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	25.4	7507	PASS
75.0	95.0	30.0	60.0	50.9	15067	PASS
95.0	95.0	100	100	100	29600	PASS
96.0	95.0	5.00	9.00	7.04	2083	PASS
173	174	0	2.00	0	0	PASS
174	95.0	50.0	100	84.6	25045	PASS
175	174	5.00	9.00	7.73	1937	PASS
176	174	95.0	101	100	25125	PASS
177	176	5.00	9.00	6.45	1621	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG189224-11	SSCV	01	05/17/2005 20:21	
WG189224-10	STD	01	05/17/2005 18:51	
WG189224-09	STD	01	05/17/2005 18:21	
WG189224-08	CCV	01	05/17/2005 17:50	
WG189224-07	STD	01	05/17/2005 17:20	
WG189224-06	STD	01	05/17/2005 16:50	
WG189224-05	STD	01	05/17/2005 16:20	
WG189224-04	STD	01	05/17/2005 15:50	
WG189224-03	STD	01	05/17/2005 15:20	
WG189224-02	STD	01	05/17/2005 14:50	

* Sample past 12 hour tune limit

**KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK**

BFB

Login Number: L0505401	Tune ID: WG189538-01
Instrument: HPMS10	Run Date: 05/21/2005
Analyst: MES	Run Time: 10:25
Workgroup: WG189538	File ID: 10M38161
Cal ID: HPMS10 -23-APR-05	

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	21.1	4978	PASS
75.0	95.0	30.0	60.0	49.9	11789	PASS
95.0	95.0	100	100	100	23605	PASS
96.0	95.0	5.00	9.00	7.57	1787	PASS
173	174	0	2.00	0.516	107	PASS
174	95.0	50.0	100	87.9	20744	PASS
175	174	5.00	9.00	7.12	1477	PASS
176	174	95.0	101	95.6	19832	PASS
177	176	5.00	9.00	6.88	1365	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG189539-01	BLANK	01	05/21/2005 11:25	
WG189539-02	LCS	01	05/21/2005 11:56	
WG189539-03	LCS2	01	05/21/2005 12:27	
L0505401-02	051705-TB-1	01	05/21/2005 15:02	
L0505401-01	051605-ER	01	05/21/2005 17:36	
L0505401-06	29WW20-MAY05	01	05/21/2005 18:07	
L0505401-07	29WW30-MAY05	01	05/21/2005 18:38	
L0505401-08	29WW31-MAY05	01	05/21/2005 19:09	
L0505401-10	29WW33-MAY05	01	05/21/2005 19:40	
L0505401-03	29WW03-MAY05	01	05/21/2005 20:11	
L0505401-04	29WW04-MAY05	01	05/21/2005 20:42	
WG189539-04	BLANK2	01	05/21/2005 23:18	*

* Sample past 12 hour tune limit

**KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK**

BFB

Login Number: L0505401 Tune ID: WG189547-01
 Instrument: HPMS8 Run Date: 05/22/2005
 Analyst: MES Run Time: 10:09
 Workgroup: WG189547 File ID: 8M320648
 Cal ID: HPMS8 -17-MAY-05

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
50.0	95.0	15.0	40.0	27.4	46538	PASS
75.0	95.0	30.0	60.0	55.3	93978	PASS
95.0	95.0	100	100	100	169834	PASS
96.0	95.0	5.00	9.00	6.63	11252	PASS
173	174	0	2.00	0.769	1011	PASS
174	95.0	50.0	100	77.4	131405	PASS
175	174	5.00	9.00	7.72	10149	PASS
176	174	95.0	101	99.3	130533	PASS
177	176	5.00	9.00	6.99	9122	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG189548-01	BLANK	01	05/22/2005 11:09	
WG189548-02	LCS	01	05/22/2005 11:38	
WG189548-03	LCS2	01	05/22/2005 12:08	
L0505401-05	29WW04-MAY05-D	01	05/22/2005 17:06	
L0505401-15	WS-001	01	05/22/2005 17:36	
WG189548-04	BLANK2	01	05/22/2005 22:06	

* Sample past 12 hour tune limit

Login Number: L0505401
 Analytical Method: 8260B
 ICAL Workgroup: WG187632

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte		AVG RF	% RSD	R2	QUAD
1,1-Dichloroethene	CCC	0.2234	11.8		
1,2-Dichloropropane	CCC	0.2377	5.95		
1,4-Dichlorobenzene	CCC	1.469	7.21		
Chloroform	CCC	0.4895	6.25		
Ethylbenzene	CCC	0.4983	6.68		
Hexachlorobutadiene	CCC	0.4582	5.70		
Toluene	CCC	1.346	5.45		
Vinyl Chloride	CCC	0.1812	10.2		
1,1,2,2-Tetrachloroethane	SPCC	0.4704	6.31		
1,1-Dichloroethane	SPCC	0.4751	5.07		
Bromoform	SPCC	0.1340	30.2	0.999	
Chlorobenzene	SPCC	0.8928	3.83		
Chloromethane	SPCC	0.2309	4.55		
1,1,1,2-Tetrachloroethane		0.2908	11.5		
1,1,1-Trichloroethane		0.4064	11.3		
1,1,2-Trichloroethane		0.2437	4.57		
1,1-Dichloropropene		0.3555	9.56		
1,2,3-Trichlorobenzene		0.7032	10.4		
1,2,3-Trichloropropane		0.1555	7.53		
1,2,4-Trichlorobenzene		0.8917	8.34		
1,2,4-Trimethylbenzene		2.623	4.75		
1,2-Dibromo-3-Chloropropane		0.07558	21.2	1.00	
1,2-Dibromoethane		0.2437	11.6		
1,2-Dichlorobenzene		1.286	7.16		
1,2-Dichloroethane		0.3544	6.13		
1,3,5-Trimethylbenzene		2.480	7.35		
1,3-Dichlorobenzene		1.419	6.39		
1,3-Dichloropropane		0.4281	4.45		
2,2-Dichloropropane		0.3560	13.5		
2-Butanone		0.06014	2.87		
2-Chloroethyl Vinyl Ether		0.08524	10.6		
2-Chlorotoluene		2.455	4.18		
2-Hexanone		0.1330	7.28		
4-Chlorotoluene		2.166	3.80		
4-Methyl-2-Pentanone		0.05336	3.76		
Acetone		0.04278	2.97		
Benzene		0.9302	5.96		
Bromobenzene		0.7266	4.31		
Bromochloromethane		0.1182	11.8		
Bromodichloromethane		0.3226	12.3		
Bromomethane		0.1295	11.1		
Carbon Disulfide		0.7510	3.47		
Carbon Tetrachloride		0.2992	23.2	1.00	
Chloroethane		0.1642	10.2		
Dibromochloromethane		0.2606	20.1	0.999	

Login Number: L0505401
 Analytical Method: 8260B
 ICAL Workgroup: WG187632

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	AVG RF	% RSD	R2	QUAD
Dibromomethane	0.1277	10.1		
Dichlorodifluoromethane	0.3345	12.7		
Isopropylbenzene	1.390	6.02		
Methylene Chloride	0.2534	4.50		
Naphthalene	1.336	9.39		
Styrene	0.9941	7.60		
Tetrachloroethene	0.3040	7.46		
Trichloroethene	0.2652	6.99		
Trichlorofluoromethane	0.4549	11.7		
Vinyl Acetate	0.3060	11.6		
cis-1,2-Dichloroethene	0.2636	9.92		
cis-1,3-Dichloropropene	0.3542	10.6		
m-,p-Xylene	0.6101	4.86		
n-Butylbenzene	2.349	4.58		
n-Propylbenzene	3.391	6.22		
o-Xylene	0.5838	8.27		
p-Isopropyltoluene	2.495	6.07		
sec-Butylbenzene	3.088	5.86		
tert-Butylbenzene	0.4969	6.33		
trans-1,2-Dichloroethene	0.2472	6.93		
trans-1,3-Dichloropropene	0.4075	13.5		
1,2-Dichloroethane-d4	0.2740	4.87		
Dibromofluoromethane	0.2378	8.17		
Toluene-d8	1.114	5.78		
p-Bromofluorobenzene	0.8548	6.02		

Login Number: L0505401
 Analytical Method: 8260B
 ICAL Workgroup: WG189224

Instrument ID: HPMS8
 Initial Calibration Date: 17-MAY-05

Analyte		AVG RF	% RSD	R2	QUAD
1,1-Dichloroethene	CCC	0.3751	7.33		
1,2-Dichloropropane	CCC	0.2258	4.29		
Chloroform	CCC	0.4178	2.46		
Ethylbenzene	CCC	0.4082	5.06		
Toluene	CCC	1.059	7.65		
Vinyl Chloride	CCC	0.2017	10.5		
1,1,2,2-Tetrachloroethane	SPCC	0.3161	2.72		
1,1-Dichloroethane	SPCC	0.4449	3.41		
Bromoform	SPCC	0.1181	21.6		1.00
Chlorobenzene	SPCC	0.7604	3.21		
Chloromethane	SPCC	0.2803	13.7		
1,1,1,2-Tetrachloroethane		0.2355	13.3		
1,1,1-Trichloroethane		0.3667	7.41		
1,1,2-Trichloroethane		0.1677	6.15		
1,1-Dichloropropene		0.3114	8.03		
1,2,3-Trichlorobenzene		0.6834	5.01		
1,2,3-Trichloropropane		0.1085	4.22		
1,2,4-Trichlorobenzene		0.8083	4.12		
1,2,4-Trimethylbenzene		2.005	10.9		
1,2-Dibromo-3-Chloropropane		0.05827	16.7		1.00
1,2-Dibromoethane		0.1664	14.2		
1,2-Dichlorobenzene		0.9894	5.00		
1,2-Dichloroethane		0.3241	2.79		
1,3,5-Trimethylbenzene		1.895	12.8		
1,3-Dichlorobenzene		1.137	3.06		
1,3-Dichloropropane		0.3148	2.22		
1,4-Dichlorobenzene		1.172	1.48		
2,2-Dichloropropane		0.3002	11.8		
2-Butanone		0.05895	9.53		
2-Chloroethyl Vinyl Ether		0.1014	9.27		
2-Chlorotoluene		1.689	6.33		
2-Hexanone		0.1144	10.7		
4-Chlorotoluene		1.616	9.89		
4-Methyl-2-Pentanone		0.04827	13.0		
Acetone		0.04438	4.85		
Benzene		0.8642	2.63		
Bromobenzene		0.5669	6.01		
Bromochloromethane		0.1317	4.74		
Bromodichloromethane		0.2590	8.71		
Bromomethane		0.1361	13.6		
Carbon Disulfide		0.6772	4.38		
Carbon Tetrachloride		0.2911	18.4		1.00
Chloroethane		0.1531	8.12		
Dibromochloromethane		0.2037	17.3		1.00
Dibromomethane		0.1057	4.88		

KEMRON FORMS - Modified 05/09/2005
 Version 1.5 PDF File ID: 242241
 Report generated 05/25/2005 09:30

Login Number: L0505401
 Analytical Method: 8260B
 ICAL Workgroup: WG189224

Instrument ID: HPMS8
 Initial Calibration Date: 17-MAY-05

Analyte	AVG RF	% RSD	R2	QUAD
Dichlorodifluoromethane	0.2797	10.9		
Hexachlorobutadiene	0.3844	10.1		
Isopropylbenzene	1.233	10.8		
Methylene Chloride	0.2081	2.18		
Naphthalene	1.241	15.2	1.00	
Styrene	0.7620	15.3		1.00
Tetrachloroethene	0.2443	3.62		
Trichloroethene	0.2404	4.96		
Trichlorofluoromethane	0.4404	11.0		
Vinyl Acetate	0.2879	4.29		
cis-1,2-Dichloroethene	0.3809	9.28		
cis-1,3-Dichloropropene	0.2967	12.4		
m-,p-Xylene	0.5026	7.41		
n-Butylbenzene	1.877	8.63		
n-Propylbenzene	2.603	10.6		
o-Xylene	0.4751	7.88		
p-Isopropyltoluene	2.000	13.2		
sec-Butylbenzene	2.355	12.0		
tert-Butylbenzene	0.4050	6.13		
trans-1,2-Dichloroethene	0.3552	7.42		
trans-1,3-Dichloropropene	0.2880	18.7		1.00
1,2-Dichloroethane-d4	0.2515	7.56		
Dibromofluoromethane	0.2230	6.62		
Toluene-d8	0.8472	5.84		
p-Bromofluorobenzene	0.6860	8.64		

Login Number: L0505401
 Analytical Method: 8260B

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	WG187632-02			WG187632-03		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	NA	NA	NA	0.400	1996	0.1652
1,2-Dichloropropane	NA	NA	NA	0.400	2604	0.2155
1,4-Dichlorobenzene	0.250	4623	1.643	0.400	7357	1.620
Chloroform	0.250	3950	0.5149	0.400	5266	0.4359
Ethylbenzene	NA	NA	NA	0.400	3902	0.4490
Hexachlorobutadiene	NA	NA	NA	0.400	1882	0.4143
Toluene	NA	NA	NA	0.400	10535	1.212
Vinyl Chloride	NA	NA	NA	0.400	1807	0.1496
1,1,2,2-Tetrachloroethane	NA	NA	NA	0.400	2379	0.5237
1,1-Dichloroethane	NA	NA	NA	0.400	5261	0.4354
Bromoform	NA	NA	NA	NA	NA	NA
Chlorobenzene	NA	NA	NA	0.400	7717	0.8881
Chloromethane	NA	NA	NA	0.400	2681	0.2219
1,1,1,2-Tetrachloroethane	NA	NA	NA	0.400	2328	0.2679
1,1,1-Trichloroethane	NA	NA	NA	0.400	3985	0.3298
1,1,2-Trichloroethane	NA	NA	NA	0.400	1969	0.2266
1,1-Dichloropropene	NA	NA	NA	0.400	3429	0.2838
1,2,3-Trichlorobenzene	0.250	1832	0.6512	0.400	4021	0.8852
1,2,3-Trichloropropane	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA	0.400	4801	1.057
1,2,4-Trimethylbenzene	NA	NA	NA	0.400	12153	2.675
1,2-Dibromo-3-Chloropropane	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	NA	NA	NA	0.400	1602	0.1844
1,2-Dichlorobenzene	0.250	4073	1.448	0.400	6415	1.412
1,2-Dichloroethane	NA	NA	NA	0.400	3817	0.3159
1,3,5-Trimethylbenzene	NA	NA	NA	0.400	10017	2.205
1,3-Dichlorobenzene	NA	NA	NA	0.400	7318	1.611
1,3-Dichloropropane	NA	NA	NA	0.400	3639	0.4188
2,2-Dichloropropane	NA	NA	NA	0.400	3412	0.2824
2-Butanone	NA	NA	NA	NA	NA	NA
2-Chloroethyl Vinyl Ether	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	NA	NA	NA	0.400	11106	2.445
2-Hexanone	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	NA	NA	NA	0.400	10188	2.243
4-Methyl-2-Pentanone	NA	NA	NA	NA	NA	NA
Acetone	NA	NA	NA	NA	NA	NA
Benzene	NA	NA	NA	0.400	9923	0.8213
Bromobenzene	0.250	2022	0.7188	0.400	3132	0.6895
Bromochloromethane	NA	NA	NA	0.400	1076	0.08910
Bromodichloromethane	NA	NA	NA	0.400	3028	0.2506
Bromomethane	NA	NA	NA	NA	NA	NA
Carbon Disulfide	NA	NA	NA	0.400	9429	0.7804

Login Number: L0505401
 Analytical Method: 8260B

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	WG187632-04			WG187632-05		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	1.00	6296	0.2095	2.00	13059	0.2200
1,2-Dichloropropane	1.00	6935	0.2308	2.00	13134	0.2212
1,4-Dichlorobenzene	1.00	15727	1.389	2.00	32223	1.424
Chloroform	1.00	13605	0.4527	2.00	28110	0.4735
Ethylbenzene	1.00	10364	0.4869	2.00	20440	0.4728
Hexachlorobutadiene	1.00	4886	0.4316	2.00	9960	0.4400
Toluene	1.00	27442	1.289	2.00	57546	1.331
Vinyl Chloride	1.00	6074	0.2021	2.00	11587	0.1952
1,1,2,2-Tetrachloroethane	1.00	4893	0.4323	2.00	10096	0.4460
1,1-Dichloroethane	1.00	13679	0.4552	2.00	27151	0.4573
Bromoform	1.00	1642	0.07710	2.00	4068	0.09410
Chlorobenzene	1.00	18628	0.8752	2.00	39444	0.9124
Chloromethane	1.00	7324	0.2437	2.00	13767	0.2319
1,1,1,2-Tetrachloroethane	1.00	5434	0.2553	2.00	10624	0.2458
1,1,1-Trichloroethane	1.00	10690	0.3557	2.00	22619	0.3810
1,1,2-Trichloroethane	1.00	5153	0.2421	2.00	10466	0.2421
1,1-Dichloropropene	1.00	10102	0.3362	2.00	20662	0.3480
1,2,3-Trichlorobenzene	1.00	7582	0.6698	2.00	14766	0.6523
1,2,3-Trichloropropane	1.00	1573	0.1390	2.00	3215	0.1420
1,2,4-Trichlorobenzene	1.00	9196	0.8124	2.00	19053	0.8417
1,2,4-Trimethylbenzene	1.00	27462	2.426	2.00	57186	2.526
1,2-Dibromo-3-Chloropropane	NA	NA	NA	2.00	1167	0.05160
1,2-Dibromoethane	1.00	5002	0.2350	2.00	10000	0.2313
1,2-Dichlorobenzene	1.00	13388	1.183	2.00	28530	1.260
1,2-Dichloroethane	1.00	10966	0.3649	2.00	20570	0.3465
1,3,5-Trimethylbenzene	1.00	25830	2.282	2.00	53630	2.369
1,3-Dichlorobenzene	1.00	15088	1.333	2.00	31559	1.394
1,3-Dichloropropane	1.00	8849	0.4158	2.00	17784	0.4114
2,2-Dichloropropane	1.00	9151	0.3045	2.00	18901	0.3184
2-Butanone	NA	NA	NA	NA	NA	NA
2-Chloroethyl Vinyl Ether	1.00	2450	0.08150	2.00	5623	0.09470
2-Chlorotoluene	1.00	26289	2.322	2.00	54641	2.414
2-Hexanone	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	1.00	23447	2.071	2.00	47044	2.078
4-Methyl-2-Pentanone	NA	NA	NA	NA	NA	NA
Acetone	NA	NA	NA	NA	NA	NA
Benzene	1.00	26882	0.8945	2.00	55142	0.9288
Bromobenzene	1.00	7910	0.6988	2.00	16358	0.7227
Bromochloromethane	1.00	3402	0.1132	2.00	7322	0.1233
Bromodichloromethane	1.00	8768	0.2918	2.00	17682	0.2978
Bromomethane	1.00	3264	0.1086	2.00	6785	0.1143
Carbon Disulfide	1.00	22768	0.7576	2.00	42884	0.7223

Login Number: L0505401
 Analytical Method: 8260B

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	WG187632-06			WG187632-07		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	5.00	34386	0.2306	20.0	146670	0.2463
1,2-Dichloropropane	5.00	36490	0.2447	20.0	151286	0.2540
1,4-Dichlorobenzene	5.00	83847	1.497	20.0	333555	1.493
Chloroform	5.00	77308	0.5184	20.0	309551	0.5198
Ethylbenzene	5.00	57042	0.5293	20.0	231885	0.5437
Hexachlorobutadiene	5.00	25970	0.4638	20.0	108179	0.4840
Toluene	5.00	151483	1.406	20.0	608912	1.428
Vinyl Chloride	5.00	27588	0.1850	20.0	116860	0.1962
1,1,2,2-Tetrachloroethane	5.00	27073	0.4835	20.0	109335	0.4892
1,1-Dichloroethane	5.00	72935	0.4891	20.0	302171	0.5074
Bromoform	5.00	11485	0.1066	20.0	63767	0.1495
Chlorobenzene	5.00	98462	0.9137	20.0	398476	0.9343
Chloromethane	5.00	32918	0.2207	20.0	143990	0.2418
1,1,1,2-Tetrachloroethane	5.00	30919	0.2869	20.0	139289	0.3266
1,1,1-Trichloroethane	5.00	61569	0.4129	20.0	265086	0.4451
1,1,2-Trichloroethane	5.00	27246	0.2528	20.0	110084	0.2581
1,1-Dichloropropene	5.00	56176	0.3767	20.0	232378	0.3902
1,2,3-Trichlorobenzene	5.00	39904	0.7126	20.0	161494	0.7226
1,2,3-Trichloropropane	5.00	8720	0.1557	20.0	38069	0.1703
1,2,4-Trichlorobenzene	5.00	49960	0.8922	20.0	204691	0.9159
1,2,4-Trimethylbenzene	5.00	153421	2.740	20.0	620860	2.778
1,2-Dibromo-3-Chloropropane	5.00	3342	0.05970	20.0	17669	0.07910
1,2-Dibromoethane	5.00	27017	0.2507	20.0	116663	0.2735
1,2-Dichlorobenzene	5.00	71454	1.276	20.0	293129	1.312
1,2-Dichloroethane	5.00	56318	0.3777	20.0	224196	0.3764
1,3,5-Trimethylbenzene	5.00	146433	2.615	20.0	605476	2.709
1,3-Dichlorobenzene	5.00	80257	1.433	20.0	326918	1.463
1,3-Dichloropropane	5.00	47807	0.4436	20.0	195231	0.4577
2,2-Dichloropropane	5.00	53212	0.3568	20.0	230107	0.3864
2-Butanone	5.00	8927	0.05990	20.0	36226	0.06080
2-Chloroethyl Vinyl Ether	5.00	13672	0.09170	20.0	55575	0.09330
2-Chlorotoluene	5.00	145636	2.601	20.0	575091	2.573
2-Hexanone	5.00	15344	0.1424	20.0	59061	0.1385
4-Chlorotoluene	5.00	122237	2.183	20.0	509196	2.278
4-Methyl-2-Pentanone	5.00	7919	0.05310	20.0	32275	0.05420
Acetone	5.00	6428	0.04310	20.0	26118	0.04390
Benzene	5.00	145129	0.9732	20.0	591567	0.9933
Bromobenzene	5.00	43238	0.7722	20.0	172405	0.7714
Bromochloromethane	5.00	19602	0.1315	20.0	77375	0.1299
Bromodichloromethane	5.00	47849	0.3209	20.0	208550	0.3502
Bromomethane	5.00	18193	0.1220	20.0	84124	0.1413
Carbon Disulfide	5.00	107095	0.7182	20.0	467559	0.7851

Login Number: L0505401
 Analytical Method: 8260B

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	WG187632-08			WG187632-09		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	50.0	371474	0.2438	100	721551	0.2386
1,2-Dichloropropane	50.0	382961	0.2514	100	747192	0.2471
1,4-Dichlorobenzene	50.0	819513	1.440	100	1581401	1.387
Chloroform	50.0	776327	0.5095	100	1513385	0.5005
Ethylbenzene	50.0	576243	0.5294	100	1108098	0.5010
Hexachlorobutadiene	50.0	271555	0.4771	100	545424	0.4785
Toluene	50.0	1542741	1.417	100	3021398	1.366
Vinyl Chloride	50.0	281665	0.1849	100	535548	0.1771
1,1,2,2-Tetrachloroethane	50.0	273031	0.4797	100	527065	0.4624
1,1-Dichloroethane	50.0	755221	0.4957	100	1469955	0.4861
Bromoform	50.0	185879	0.1708	100	385553	0.1743
Chlorobenzene	50.0	999125	0.9178	100	1933303	0.8741
Chloromethane	50.0	363469	0.2386	100	705914	0.2334
1,1,1,2-Tetrachloroethane	50.0	363277	0.3337	100	708864	0.3205
1,1,1-Trichloroethane	50.0	686597	0.4506	100	1357112	0.4488
1,1,2-Trichloroethane	50.0	276135	0.2537	100	539358	0.2439
1,1-Dichloropropene	50.0	578594	0.3798	100	1124198	0.3718
1,2,3-Trichlorobenzene	50.0	395678	0.6952	100	779345	0.6837
1,2,3-Trichloropropane	50.0	94539	0.1661	100	183906	0.1613
1,2,4-Trichlorobenzene	50.0	505359	0.8879	100	999090	0.8765
1,2,4-Trimethylbenzene	50.0	1539056	2.704	100	2992078	2.625
1,2-Dibromo-3-Chloropropane	50.0	49502	0.08700	100	99530	0.08730
1,2-Dibromoethane	50.0	292620	0.2688	100	576203	0.2605
1,2-Dichlorobenzene	50.0	721596	1.268	100	1406477	1.234
1,2-Dichloroethane	50.0	557709	0.3660	100	1075135	0.3555
1,3,5-Trimethylbenzene	50.0	1504515	2.643	100	2923366	2.565
1,3-Dichlorobenzene	50.0	804344	1.413	100	1569303	1.377
1,3-Dichloropropane	50.0	486158	0.4466	100	942195	0.4260
2,2-Dichloropropane	50.0	610273	0.4005	100	1217455	0.4026
2-Butanone	50.0	93920	0.06160	100	184615	0.06110
2-Chloroethyl Vinyl Ether	50.0	131260	0.08620	100	241232	0.07980
2-Chlorotoluene	50.0	1417489	2.490	100	2818972	2.473
2-Hexanone	50.0	148271	0.1362	100	288385	0.1304
4-Chlorotoluene	50.0	1274782	2.240	100	2450588	2.150
4-Methyl-2-Pentanone	50.0	83641	0.05490	100	165083	0.05460
Acetone	50.0	65581	0.04300	100	130817	0.04330
Benzene	50.0	1477773	0.9699	100	2881697	0.9529
Bromobenzene	50.0	423382	0.7438	100	832351	0.7302
Bromochloromethane	50.0	193330	0.1269	100	365431	0.1208
Bromodichloromethane	50.0	546185	0.3585	100	1098570	0.3633
Bromomethane	50.0	221504	0.1454	100	411885	0.1362
Carbon Disulfide	50.0	1165181	0.7648	100	2277381	0.7531

Login Number: L0505401
 Analytical Method: 8260B

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	WG187632-10		
	CONC	RESP	RF
1,1-Dichloroethene	200	1389464	0.2328
1,2-Dichloropropane	200	1415219	0.2371
1,4-Dichlorobenzene	200	2926643	1.329
Chloroform	200	2867277	0.4804
Ethylbenzene	200	2036572	0.4745
Hexachlorobutadiene	200	1049148	0.4766
Toluene	200	5667972	1.321
Vinyl Chloride	200	950055	0.1592
1,1,2,2-Tetrachloroethane	200	982125	0.4461
1,1-Dichloroethane	200	2833930	0.4748
Bromoform	200	711670	0.1658
Chlorobenzene	200	3548899	0.8269
Chloromethane	200	1285483	0.2154
1,1,1,2-Tetrachloroethane	200	1242830	0.2896
1,1,1-Trichloroethane	200	2549431	0.4272
1,1,2-Trichloroethane	200	988455	0.2303
1,1-Dichloropropene	200	2134275	0.3576
1,2,3-Trichlorobenzene	200	1444399	0.6561
1,2,3-Trichloropropane	200	339429	0.1542
1,2,4-Trichlorobenzene	200	1870717	0.8497
1,2,4-Trimethylbenzene	200	5520689	2.508
1,2-Dibromo-3-Chloropropane	200	195470	0.08880
1,2-Dibromoethane	200	1051581	0.2450
1,2-Dichlorobenzene	200	2604803	1.183
1,2-Dichloroethane	200	1983904	0.3324
1,3,5-Trimethylbenzene	200	5390117	2.448
1,3-Dichlorobenzene	200	2918398	1.326
1,3-Dichloropropane	200	1736155	0.4045
2,2-Dichloropropane	200	2367804	0.3967
2-Butanone	200	341754	0.05730
2-Chloroethyl Vinyl Ether	200	414974	0.06950
2-Chlorotoluene	200	5113912	2.323
2-Hexanone	200	504416	0.1175
4-Chlorotoluene	200	4593693	2.087
4-Methyl-2-Pentanone	200	298302	0.05000
Acetone	200	242100	0.04060
Benzene	200	5419288	0.9080
Bromobenzene	200	1522542	0.6916
Bromochloromethane	200	660310	0.1106
Bromodichloromethane	200	2074683	0.3476
Bromomethane	200	827190	0.1386
Carbon Disulfide	200	4335929	0.7265

Login Number: L0505401
 Analytical Method: 8260B

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	WG187632-02			WG187632-03		
	CONC	RESP	RF	CONC	RESP	RF
Carbon Tetrachloride	NA	NA	NA	0.400	2180	0.1804
Chloroethane	NA	NA	NA	0.400	1559	0.1290
Dibromochloromethane	NA	NA	NA	0.400	1825	0.2100
Dibromomethane	NA	NA	NA	0.400	1230	0.1018
Dichlorodifluoromethane	NA	NA	NA	0.400	2875	0.2380
Isopropylbenzene	NA	NA	NA	0.400	10944	1.259
Methylene Chloride	NA	NA	NA	0.400	3172	0.2625
Naphthalene	NA	NA	NA	0.400	6445	1.419
Styrene	NA	NA	NA	0.400	7771	0.8943
Tetrachloroethene	NA	NA	NA	0.400	2243	0.2581
Trichloroethene	NA	NA	NA	0.400	2746	0.2273
Trichlorofluoromethane	NA	NA	NA	0.400	4001	0.3312
Vinyl Acetate	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	NA	NA	NA	0.400	2441	0.2020
cis-1,3-Dichloropropene	NA	NA	NA	0.400	3568	0.2953
m-,p-Xylene	NA	NA	NA	0.800	10394	0.5981
n-Butylbenzene	NA	NA	NA	0.400	10344	2.277
n-Propylbenzene	NA	NA	NA	0.400	14323	3.153
o-Xylene	NA	NA	NA	0.400	4280	0.4925
p-Isopropyltoluene	NA	NA	NA	0.400	10674	2.350
sec-Butylbenzene	NA	NA	NA	0.400	13086	2.881
tert-Butylbenzene	NA	NA	NA	0.400	2333	0.5136
trans-1,2-Dichloroethene	NA	NA	NA	0.400	2604	0.2155
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane-d4	NA	NA	NA	NA	NA	NA
Dibromofluoromethane	NA	NA	NA	NA	NA	NA
Toluene-d8	NA	NA	NA	NA	NA	NA
p-Bromofluorobenzene	NA	NA	NA	NA	NA	NA

Login Number: L0505401
 Analytical Method: 8260B

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	WG187632-04			WG187632-05		
	CONC	RESP	RF	CONC	RESP	RF
Carbon Tetrachloride	1.00	7536	0.2508	2.00	14878	0.2506
Chloroethane	1.00	5358	0.1783	2.00	8954	0.1508
Dibromochloromethane	1.00	4112	0.1932	2.00	8914	0.2062
Dibromomethane	1.00	3597	0.1197	2.00	7419	0.1250
Dichlorodifluoromethane	1.00	9791	0.3258	2.00	19943	0.3359
Isopropylbenzene	1.00	27893	1.311	2.00	58250	1.347
Methylene Chloride	1.00	7305	0.2431	2.00	16062	0.2705
Naphthalene	1.00	12220	1.080	2.00	27654	1.222
Styrene	1.00	18942	0.8900	2.00	41370	0.9570
Tetrachloroethene	1.00	6504	0.3056	2.00	12642	0.2924
Trichloroethene	1.00	7620	0.2536	2.00	15569	0.2622
Trichlorofluoromethane	1.00	13501	0.4493	2.00	27484	0.4629
Vinyl Acetate	NA	NA	NA	2.00	16988	0.2861
cis-1,2-Dichloroethene	1.00	7819	0.2602	2.00	15738	0.2651
cis-1,3-Dichloropropene	1.00	9826	0.3270	2.00	18960	0.3193
m-,p-Xylene	2.00	25739	0.6046	4.00	52100	0.6026
n-Butylbenzene	1.00	24540	2.168	2.00	50918	2.249
n-Propylbenzene	1.00	35079	3.099	2.00	73217	3.235
o-Xylene	1.00	11876	0.5580	2.00	23944	0.5539
p-Isopropyltoluene	1.00	25934	2.291	2.00	53243	2.352
sec-Butylbenzene	1.00	31710	2.801	2.00	67956	3.002
tert-Butylbenzene	1.00	5028	0.4442	2.00	10591	0.4679
trans-1,2-Dichloroethene	1.00	7088	0.2359	2.00	13913	0.2343
trans-1,3-Dichloropropene	1.00	6851	0.3219	2.00	14837	0.3432
1,2-Dichloroethane-d4	0.500	4108	0.2734	1.00	7437	0.2505
Dibromofluoromethane	0.500	3823	0.2544	1.00	6133	0.2066
Toluene-d8	0.500	11907	1.119	1.00	21501	0.9947
p-Bromofluorobenzene	0.500	5128	0.9060	1.00	8606	0.7604

Login Number: L0505401
 Analytical Method: 8260B

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	WG187632-06			WG187632-07		
	CONC	RESP	RF	CONC	RESP	RF
Carbon Tetrachloride	5.00	42457	0.2847	20.0	194596	0.3267
Chloroethane	5.00	24410	0.1637	20.0	106187	0.1783
Dibromochloromethane	5.00	26714	0.2479	20.0	124715	0.2924
Dibromomethane	5.00	21237	0.1424	20.0	82428	0.1384
Dichlorodifluoromethane	5.00	51493	0.3453	20.0	224327	0.3767
Isopropylbenzene	5.00	154866	1.437	20.0	640209	1.501
Methylene Chloride	5.00	39101	0.2622	20.0	152505	0.2561
Naphthalene	5.00	76730	1.370	20.0	325969	1.459
Styrene	5.00	112532	1.044	20.0	464281	1.089
Tetrachloroethene	5.00	34142	0.3168	20.0	141195	0.3310
Trichloroethene	5.00	41229	0.2765	20.0	169733	0.2850
Trichlorofluoromethane	5.00	69001	0.4627	20.0	300515	0.5046
Vinyl Acetate	5.00	46083	0.3090	20.0	206342	0.3465
cis-1,2-Dichloroethene	5.00	40797	0.2736	20.0	169000	0.2838
cis-1,3-Dichloropropene	5.00	51801	0.3474	20.0	229200	0.3848
m-,p-Xylene	10.0	137149	0.6364	40.0	555352	0.6510
n-Butylbenzene	5.00	133684	2.387	20.0	555804	2.487
n-Propylbenzene	5.00	199131	3.556	20.0	815001	3.647
o-Xylene	5.00	67713	0.6284	20.0	270543	0.6343
p-Isopropyltoluene	5.00	146494	2.616	20.0	602875	2.698
sec-Butylbenzene	5.00	180782	3.229	20.0	738161	3.303
tert-Butylbenzene	5.00	29813	0.5324	20.0	118120	0.5285
trans-1,2-Dichloroethene	5.00	38330	0.2570	20.0	158180	0.2656
trans-1,3-Dichloropropene	5.00	43218	0.4011	20.0	192942	0.4524
1,2-Dichloroethane-d4	2.50	20242	0.2715	10.0	86676	0.2911
Dibromofluoromethane	2.50	16155	0.2167	10.0	76797	0.2579
Toluene-d8	2.50	58089	1.078	10.0	253905	1.191
p-Bromofluorobenzene	2.50	22811	0.8147	10.0	99728	0.8925

Login Number: L0505401
 Analytical Method: 8260B

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	WG187632-08			WG187632-09		
	CONC	RESP	RF	CONC	RESP	RF
Carbon Tetrachloride	50.0	545437	0.3580	100	1129290	0.3734
Chloroethane	50.0	263405	0.1729	100	523077	0.1730
Dibromochloromethane	50.0	342359	0.3145	100	700238	0.3166
Dibromomethane	50.0	205614	0.1350	100	403756	0.1335
Dichlorodifluoromethane	50.0	559838	0.3674	100	1065923	0.3525
Isopropylbenzene	50.0	1608110	1.477	100	3151065	1.425
Methylene Chloride	50.0	380698	0.2499	100	745057	0.2464
Naphthalene	50.0	802512	1.410	100	1581895	1.388
Styrene	50.0	1158497	1.064	100	2279026	1.030
Tetrachloroethene	50.0	351721	0.3231	100	684249	0.3094
Trichloroethene	50.0	424892	0.2789	100	833346	0.2756
Trichlorofluoromethane	50.0	752848	0.4941	100	1440144	0.4762
Vinyl Acetate	50.0	522971	0.3432	100	899875	0.2976
cis-1,2-Dichloroethene	50.0	429207	0.2817	100	833237	0.2755
cis-1,3-Dichloropropene	50.0	601967	0.3951	100	1183440	0.3914
m-,p-Xylene	100	1377794	0.6329	200	2649429	0.5990
n-Butylbenzene	50.0	1388322	2.439	100	2749127	2.412
n-Propylbenzene	50.0	2042259	3.588	100	3989214	3.500
o-Xylene	50.0	677262	0.6222	100	1334582	0.6034
p-Isopropyltoluene	50.0	1493874	2.625	100	2915407	2.558
sec-Butylbenzene	50.0	1843795	3.239	100	3619481	3.176
tert-Butylbenzene	50.0	293911	0.5164	100	563243	0.4942
trans-1,2-Dichloroethene	50.0	398885	0.2618	100	777389	0.2571
trans-1,3-Dichloropropene	50.0	501039	0.4603	100	990903	0.4480
1,2-Dichloroethane-d4	25.0	216634	0.2844	50.0	424760	0.2809
Dibromofluoromethane	25.0	189194	0.2484	50.0	370157	0.2448
Toluene-d8	25.0	634828	1.166	50.0	1262272	1.141
p-Bromofluorobenzene	25.0	252161	0.8861	50.0	497781	0.8734

Login Number: L0505401
 Analytical Method: 8260B

Instrument ID: HPMS10
 Initial Calibration Date: 23-APR-05

Analyte	WG187632-10		
	CONC	RESP	RF
Carbon Tetrachloride	200	2203086	0.3691
Chloroethane	200	1001920	0.1679
Dibromochloromethane	200	1302931	0.3036
Dibromomethane	200	748206	0.1254
Dichlorodifluoromethane	200	1997222	0.3346
Isopropylbenzene	200	5863409	1.366
Methylene Chloride	200	1412184	0.2366
Naphthalene	200	2950278	1.340
Styrene	200	4224340	0.9842
Tetrachloroethene	200	1268436	0.2955
Trichloroethene	200	1564399	0.2621
Trichlorofluoromethane	200	2735015	0.4583
Vinyl Acetate	200	1513324	0.2536
cis-1,2-Dichloroethene	200	1592250	0.2668
cis-1,3-Dichloropropene	200	2228555	0.3734
m-,p-Xylene	400	4774092	0.5562
n-Butylbenzene	200	5214307	2.369
n-Propylbenzene	200	7374173	3.350
o-Xylene	200	2480311	0.5779
p-Isopropyltoluene	200	5432819	2.468
sec-Butylbenzene	200	6757695	3.070
tert-Butylbenzene	200	1051426	0.4776
trans-1,2-Dichloroethene	200	1496310	0.2507
trans-1,3-Dichloropropene	200	1826627	0.4256
1,2-Dichloroethane-d4	100	793624	0.2659
Dibromofluoromethane	100	703017	0.2356
Toluene-d8	100	2384526	1.111
p-Bromofluorobenzene	100	935965	0.8503

Login Number: L0505401
 Analytical Method: 8260B

Instrument ID: HPMS8
 Initial Calibration Date: 17-MAY-05

Analyte	WG189224-02			WG189224-03		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	NA	NA	NA	0.400	4694	0.3298
1,2-Dichloropropane	NA	NA	NA	0.400	2951	0.2073
Chloroform	0.300	4291	0.4015	0.400	5727	0.4024
Ethylbenzene	NA	NA	NA	0.400	4615	0.3884
Toluene	NA	NA	NA	0.400	10492	0.8829
Vinyl Chloride	NA	NA	NA	0.400	2586	0.1817
1,1,2,2-Tetrachloroethane	NA	NA	NA	0.400	2174	0.3177
1,1-Dichloroethane	NA	NA	NA	0.400	5914	0.4155
Bromoform	NA	NA	NA	NA	NA	NA
Chlorobenzene	NA	NA	NA	0.400	9465	0.7965
Chloromethane	NA	NA	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	NA	NA	NA	0.400	2450	0.2062
1,1,1-Trichloroethane	NA	NA	NA	0.400	4748	0.3336
1,1,2-Trichloroethane	NA	NA	NA	0.400	1755	0.1477
1,1-Dichloropropene	NA	NA	NA	0.400	3809	0.2676
1,2,3-Trichlorobenzene	0.300	3284	0.6527	0.400	4371	0.6387
1,2,3-Trichloropropane	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA	0.400	5113	0.7471
1,2,4-Trimethylbenzene	NA	NA	NA	0.400	10516	1.537
1,2-Dibromo-3-Chloropropane	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	NA	NA	NA	0.400	1417	0.1192
1,2-Dichlorobenzene	0.300	4612	0.9166	0.400	6272	0.9165
1,2-Dichloroethane	NA	NA	NA	0.400	4523	0.3178
1,3,5-Trimethylbenzene	NA	NA	NA	0.400	9691	1.416
1,3-Dichlorobenzene	NA	NA	NA	0.400	7790	1.138
1,3-Dichloropropane	NA	NA	NA	0.400	3676	0.3093
1,4-Dichlorobenzene	0.300	5973	1.187	0.400	7982	1.166
2,2-Dichloropropane	NA	NA	NA	NA	NA	NA
2-Butanone	NA	NA	NA	NA	NA	NA
2-Chloroethyl Vinyl Ether	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	NA	NA	NA	0.400	10106	1.477
2-Hexanone	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	NA	NA	NA	0.400	9009	1.317
4-Methyl-2-Pentanone	NA	NA	NA	NA	NA	NA
Acetone	NA	NA	NA	NA	NA	NA
Benzene	NA	NA	NA	0.400	11867	0.8338
Bromobenzene	0.300	2573	0.5114	0.400	3874	0.5661
Bromochloromethane	NA	NA	NA	0.400	1750	0.1230
Bromodichloromethane	NA	NA	NA	0.400	3202	0.2250
Bromomethane	NA	NA	NA	0.400	1385	0.09730
Carbon Disulfide	NA	NA	NA	0.400	9229	0.6484
Carbon Tetrachloride	NA	NA	NA	0.400	2963	0.2082

Login Number: L0505401
 Analytical Method: 8260B

Instrument ID: HPMS8
 Initial Calibration Date: 17-MAY-05

Analyte	WG189224-04			WG189224-05		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	1.00	12095	0.3450	2.00	25576	0.3575
1,2-Dichloropropane	1.00	8004	0.2283	2.00	15375	0.2149
Chloroform	1.00	14675	0.4186	2.00	29813	0.4168
Ethylbenzene	1.00	11151	0.3752	2.00	23715	0.3926
Toluene	1.00	30183	1.015	2.00	62545	1.035
Vinyl Chloride	1.00	8163	0.2328	2.00	15124	0.2114
1,1,2,2-Tetrachloroethane	1.00	5467	0.3213	2.00	10210	0.2979
1,1-Dichloroethane	1.00	15643	0.4462	2.00	30794	0.4305
Bromoform	1.00	2519	0.08470	2.00	5542	0.09170
Chlorobenzene	1.00	22278	0.7495	2.00	44164	0.7311
Chloromethane	1.00	12775	0.3644	2.00	19834	0.2773
1,1,1,2-Tetrachloroethane	1.00	5966	0.2007	2.00	11814	0.1956
1,1,1-Trichloroethane	1.00	11696	0.3336	2.00	24448	0.3418
1,1,2-Trichloroethane	1.00	4618	0.1554	2.00	10339	0.1712
1,1-Dichloropropene	1.00	9743	0.2779	2.00	22169	0.3099
1,2,3-Trichlorobenzene	1.00	10696	0.6286	2.00	23582	0.6881
1,2,3-Trichloropropane	1.00	1760	0.1034	2.00	3474	0.1014
1,2,4-Trichlorobenzene	1.00	13336	0.7838	2.00	26823	0.7826
1,2,4-Trimethylbenzene	1.00	31797	1.869	2.00	66848	1.950
1,2-Dibromo-3-Chloropropane	NA	NA	NA	2.00	1370	0.04000
1,2-Dibromoethane	1.00	4338	0.1459	2.00	9658	0.1599
1,2-Dichlorobenzene	1.00	16498	0.9696	2.00	33027	0.9636
1,2-Dichloroethane	1.00	11124	0.3173	2.00	23563	0.3294
1,3,5-Trimethylbenzene	1.00	29030	1.706	2.00	61263	1.788
1,3-Dichlorobenzene	1.00	18555	1.091	2.00	37633	1.098
1,3-Dichloropropane	1.00	9410	0.3166	2.00	18715	0.3098
1,4-Dichlorobenzene	1.00	19722	1.159	2.00	39147	1.142
2,2-Dichloropropane	1.00	9126	0.2603	2.00	18469	0.2582
2-Butanone	NA	NA	NA	2.00	3409	0.04770
2-Chloroethyl Vinyl Ether	NA	NA	NA	2.00	6177	0.08640
2-Chlorotoluene	1.00	27054	1.590	2.00	59268	1.729
2-Hexanone	NA	NA	NA	2.00	5614	0.09290
4-Chlorotoluene	1.00	24960	1.467	2.00	53675	1.566
4-Methyl-2-Pentanone	NA	NA	NA	2.00	2695	0.03770
Acetone	NA	NA	NA	2.00	3292	0.04600
Benzene	1.00	29311	0.8361	2.00	60578	0.8469
Bromobenzene	1.00	8822	0.5185	2.00	18835	0.5496
Bromochloromethane	1.00	4969	0.1417	2.00	8881	0.1242
Bromodichloromethane	1.00	8211	0.2342	2.00	17268	0.2414
Bromomethane	1.00	4705	0.1342	2.00	9098	0.1272
Carbon Disulfide	1.00	22957	0.6548	2.00	45083	0.6302
Carbon Tetrachloride	1.00	8794	0.2508	2.00	17834	0.2493

Login Number: L0505401
 Analytical Method: 8260B

Instrument ID: HPMS8
 Initial Calibration Date: 17-MAY-05

Analyte	WG189224-06			WG189224-07		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	5.00	69313	0.3815	20.0	298266	0.3959
1,2-Dichloropropane	5.00	41582	0.2289	20.0	173237	0.2299
Chloroform	5.00	77697	0.4276	20.0	322871	0.4285
Ethylbenzene	5.00	64104	0.4204	20.0	276368	0.4323
Toluene	5.00	166394	1.091	20.0	715482	1.119
Vinyl Chloride	5.00	38715	0.2131	20.0	159760	0.2120
1,1,2,2-Tetrachloroethane	5.00	28438	0.3231	20.0	113823	0.3153
1,1-Dichloroethane	5.00	81671	0.4495	20.0	343828	0.4563
Bromoform	5.00	15462	0.1014	20.0	78324	0.1225
Chlorobenzene	5.00	120113	0.7878	20.0	492192	0.7699
Chloromethane	5.00	49744	0.2738	20.0	207151	0.2749
1,1,1,2-Tetrachloroethane	5.00	35125	0.2304	20.0	161241	0.2522
1,1,1-Trichloroethane	5.00	65923	0.3628	20.0	291072	0.3863
1,1,2-Trichloroethane	5.00	26786	0.1757	20.0	110201	0.1724
1,1-Dichloropropene	5.00	58886	0.3241	20.0	249825	0.3316
1,2,3-Trichlorobenzene	5.00	62362	0.7085	20.0	256579	0.7107
1,2,3-Trichloropropane	5.00	9664	0.1098	20.0	41119	0.1139
1,2,4-Trichlorobenzene	5.00	73750	0.8379	20.0	299192	0.8287
1,2,4-Trimethylbenzene	5.00	182495	2.073	20.0	783877	2.171
1,2-Dibromo-3-Chloropropane	5.00	5082	0.05770	20.0	20844	0.05770
1,2-Dibromoethane	5.00	26403	0.1732	20.0	115007	0.1799
1,2-Dichlorobenzene	5.00	89403	1.016	20.0	369816	1.024
1,2-Dichloroethane	5.00	61531	0.3386	20.0	250937	0.3331
1,3,5-Trimethylbenzene	5.00	170836	1.941	20.0	746247	2.067
1,3-Dichlorobenzene	5.00	97718	1.110	20.0	417126	1.155
1,3-Dichloropropane	5.00	50264	0.3297	20.0	200187	0.3131
1,4-Dichlorobenzene	5.00	102979	1.170	20.0	426426	1.181
2,2-Dichloropropane	5.00	50335	0.2770	20.0	228903	0.3038
2-Butanone	5.00	11068	0.06090	20.0	44948	0.05970
2-Chloroethyl Vinyl Ether	5.00	17389	0.09570	20.0	75087	0.09970
2-Chlorotoluene	5.00	151371	1.720	20.0	632234	1.751
2-Hexanone	5.00	16377	0.1074	20.0	74136	0.1160
4-Chlorotoluene	5.00	151568	1.722	20.0	638954	1.770
4-Methyl-2-Pentanone	5.00	8073	0.04440	20.0	36626	0.04860
Acetone	5.00	8571	0.04720	20.0	33124	0.04400
Benzene	5.00	158058	0.8699	20.0	662522	0.8793
Bromobenzene	5.00	50772	0.5768	20.0	215349	0.5965
Bromochloromethane	5.00	24836	0.1367	20.0	100898	0.1339
Bromodichloromethane	5.00	47376	0.2607	20.0	204408	0.2713
Bromomethane	5.00	24297	0.1337	20.0	107577	0.1428
Carbon Disulfide	5.00	123382	0.6790	20.0	532621	0.7069
Carbon Tetrachloride	5.00	49350	0.2716	20.0	234963	0.3119

Login Number: L0505401
 Analytical Method: 8260B

Instrument ID: HPMS8
 Initial Calibration Date: 17-MAY-05

Analyte	WG189224-08			WG189224-09		
	CONC	RESP	RF	CONC	RESP	RF
1,1-Dichloroethene	50.0	782945	0.4018	100	1558995	0.3884
1,2-Dichloropropane	50.0	449811	0.2308	100	918932	0.2289
Chloroform	50.0	831679	0.4268	100	1662980	0.4143
Ethylbenzene	50.0	710181	0.4287	100	1426675	0.4182
Toluene	50.0	1858431	1.122	100	3762552	1.103
Vinyl Chloride	50.0	402519	0.2066	100	761493	0.1897
1,1,2,2-Tetrachloroethane	50.0	297783	0.3193	100	600833	0.3101
1,1-Dichloroethane	50.0	887321	0.4554	100	1784362	0.4445
Bromoform	50.0	226371	0.1366	100	478090	0.1401
Chlorobenzene	50.0	1274822	0.7695	100	2546915	0.7466
Chloromethane	50.0	493197	0.2531	100	1010961	0.2518
1,1,1,2-Tetrachloroethane	50.0	449473	0.2713	100	904097	0.2650
1,1,1-Trichloroethane	50.0	771770	0.3961	100	1547045	0.3854
1,1,2-Trichloroethane	50.0	290797	0.1755	100	581958	0.1706
1,1-Dichloropropene	50.0	647169	0.3321	100	1291068	0.3216
1,2,3-Trichlorobenzene	50.0	671603	0.7201	100	1351270	0.6975
1,2,3-Trichloropropane	50.0	104335	0.1119	100	209149	0.1080
1,2,4-Trichlorobenzene	50.0	781288	0.8377	100	1582215	0.8167
1,2,4-Trimethylbenzene	50.0	2047072	2.195	100	4094641	2.114
1,2-Dibromo-3-Chloropropane	50.0	61078	0.06550	100	120311	0.06210
1,2-Dibromoethane	50.0	306920	0.1853	100	617822	0.1811
1,2-Dichlorobenzene	50.0	973948	1.044	100	1970456	1.017
1,2-Dichloroethane	50.0	635424	0.3261	100	1257851	0.3133
1,3,5-Trimethylbenzene	50.0	1976840	2.120	100	3951937	2.040
1,3-Dichlorobenzene	50.0	1104375	1.184	100	2218288	1.145
1,3-Dichloropropane	50.0	526393	0.3178	100	1049570	0.3077
1,4-Dichlorobenzene	50.0	1118377	1.199	100	2251256	1.162
2,2-Dichloropropane	50.0	637722	0.3273	100	1323614	0.3297
2-Butanone	50.0	119525	0.06130	100	246439	0.06140
2-Chloroethyl Vinyl Ether	50.0	209554	0.1075	100	432904	0.1078
2-Chlorotoluene	50.0	1669439	1.790	100	3449692	1.781
2-Hexanone	50.0	204129	0.1232	100	416405	0.1221
4-Chlorotoluene	50.0	1659824	1.780	100	3212660	1.658
4-Methyl-2-Pentanone	50.0	101693	0.05220	100	210375	0.05240
Acetone	50.0	87846	0.04510	100	170109	0.04240
Benzene	50.0	1725144	0.8854	100	3485700	0.8683
Bromobenzene	50.0	563155	0.6038	100	1125258	0.5809
Bromochloromethane	50.0	260173	0.1335	100	520635	0.1297
Bromodichloromethane	50.0	544335	0.2794	100	1105106	0.2753
Bromomethane	50.0	285736	0.1466	100	599589	0.1494
Carbon Disulfide	50.0	1385174	0.7109	100	2762050	0.6881
Carbon Tetrachloride	50.0	665412	0.3415	100	1368971	0.3410

Login Number: L0505401
 Analytical Method: 8260B

Instrument ID: HPMS8
 Initial Calibration Date: 17-MAY-05

Analyte	WG189224-10		
	CONC	RESP	RF
1,1-Dichloroethene	200	3292825	0.4009
1,2-Dichloropropane	200	1948503	0.2372
Chloroform	200	3477171	0.4234
Ethylbenzene	200	2900420	0.4098
Toluene	200	7809244	1.103
Vinyl Chloride	200	1362496	0.1659
1,1,2,2-Tetrachloroethane	200	1295170	0.3239
1,1-Dichloroethane	200	3790471	0.4615
Bromoform	200	1057810	0.1495
Chlorobenzene	200	5183614	0.7324
Chloromethane	200	2188774	0.2665
1,1,1,2-Tetrachloroethane	200	1860929	0.2629
1,1,1-Trichloroethane	200	3234965	0.3939
1,1,2-Trichloroethane	200	1222063	0.1727
1,1-Dichloropropene	200	2682602	0.3266
1,2,3-Trichlorobenzene	200	2823690	0.7061
1,2,3-Trichloropropane	200	444245	0.1111
1,2,4-Trichlorobenzene	200	3325375	0.8316
1,2,4-Trimethylbenzene	200	8531527	2.133
1,2-Dibromo-3-Chloropropane	200	266254	0.06660
1,2-Dibromoethane	200	1323169	0.1869
1,2-Dichlorobenzene	200	4146512	1.037
1,2-Dichloroethane	200	2605890	0.3173
1,3,5-Trimethylbenzene	200	8322567	2.081
1,3-Dichlorobenzene	200	4700048	1.175
1,3-Dichloropropane	200	2223264	0.3141
1,4-Dichlorobenzene	200	4737727	1.185
2,2-Dichloropropane	200	2833242	0.3450
2-Butanone	200	515320	0.06270
2-Chloroethyl Vinyl Ether	200	915164	0.1114
2-Chlorotoluene	200	6702027	1.676
2-Hexanone	200	882738	0.1247
4-Chlorotoluene	200	6586953	1.647
4-Methyl-2-Pentanone	200	445710	0.05430
Acetone	200	341271	0.04160
Benzene	200	7341546	0.8939
Bromobenzene	200	2394936	0.5989
Bromochloromethane	200	1072531	0.1306
Bromodichloromethane	200	2335614	0.2844
Bromomethane	200	1294108	0.1576
Carbon Disulfide	200	5740720	0.6989
Carbon Tetrachloride	200	2912294	0.3546

Login Number: L0505401
 Analytical Method: 8260B

Instrument ID: HPMS8
 Initial Calibration Date: 17-MAY-05

Analyte	WG189224-02			WG189224-03		
	CONC	RESP	RF	CONC	RESP	RF
Chloroethane	NA	NA	NA	0.400	1806	0.1269
Dibromochloromethane	NA	NA	NA	0.400	1879	0.1581
Dibromomethane	NA	NA	NA	0.400	1423	0.1000
Dichlorodifluoromethane	NA	NA	NA	0.400	2960	0.2080
Hexachlorobutadiene	NA	NA	NA	0.400	2233	0.3263
Isopropylbenzene	NA	NA	NA	0.400	11816	0.9943
Methylene Chloride	NA	NA	NA	0.400	2899	0.2037
Naphthalene	NA	NA	NA	0.400	6067	0.8865
Styrene	NA	NA	NA	0.400	6733	0.5666
Tetrachloroethene	NA	NA	NA	0.400	2773	0.2334
Trichloroethene	NA	NA	NA	0.400	3211	0.2256
Trichlorofluoromethane	NA	NA	NA	0.400	4597	0.3230
Vinyl Acetate	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	NA	NA	NA	0.400	4585	0.3221
cis-1,3-Dichloropropene	NA	NA	NA	0.400	3499	0.2458
m-,p-Xylene	NA	NA	NA	0.800	10041	0.4225
n-Butylbenzene	NA	NA	NA	0.400	11249	1.644
n-Propylbenzene	NA	NA	NA	0.400	14313	2.092
o-Xylene	NA	NA	NA	0.400	4811	0.4049
p-Isopropyltoluene	NA	NA	NA	0.400	10209	1.492
sec-Butylbenzene	NA	NA	NA	0.400	12212	1.785
tert-Butylbenzene	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	NA	NA	NA	0.400	4211	0.2959
trans-1,3-Dichloropropene	NA	NA	NA	0.400	2477	0.2084
1,2-Dichloroethane-d4	NA	NA	NA	NA	NA	NA
Dibromofluoromethane	NA	NA	NA	NA	NA	NA
Toluene-d8	NA	NA	NA	NA	NA	NA
p-Bromofluorobenzene	NA	NA	NA	NA	NA	NA

Login Number: L0505401
 Analytical Method: 8260B

Instrument ID: HPMS8
 Initial Calibration Date: 17-MAY-05

Analyte	WG189224-04			WG189224-05		
	CONC	RESP	RF	CONC	RESP	RF
Chloroethane	1.00	5005	0.1428	2.00	11488	0.1606
Dibromochloromethane	1.00	4998	0.1681	2.00	10266	0.1699
Dibromomethane	1.00	3391	0.09670	2.00	7365	0.1030
Dichlorodifluoromethane	1.00	10522	0.3001	2.00	20976	0.2932
Hexachlorobutadiene	1.00	6125	0.3600	2.00	12881	0.3758
Isopropylbenzene	1.00	32626	1.098	2.00	70324	1.164
Methylene Chloride	1.00	7102	0.2026	2.00	15063	0.2106
Naphthalene	1.00	17800	1.046	2.00	40312	1.176
Styrene	1.00	18934	0.6370	2.00	41403	0.6854
Tetrachloroethene	1.00	6875	0.2313	2.00	14406	0.2385
Trichloroethene	1.00	7769	0.2216	2.00	17037	0.2382
Trichlorofluoromethane	1.00	16605	0.4736	2.00	32638	0.4563
Vinyl Acetate	NA	NA	NA	2.00	20443	0.2858
cis-1,2-Dichloroethene	1.00	12454	0.3552	2.00	24595	0.3438
cis-1,3-Dichloropropene	1.00	9195	0.2623	2.00	18557	0.2594
m-,p-Xylene	2.00	28594	0.4810	4.00	59964	0.4963
n-Butylbenzene	1.00	28513	1.676	2.00	60271	1.759
n-Propylbenzene	1.00	40626	2.388	2.00	82981	2.421
o-Xylene	1.00	13366	0.4497	2.00	27067	0.4481
p-Isopropyltoluene	1.00	30541	1.795	2.00	63462	1.852
sec-Butylbenzene	1.00	36061	2.119	2.00	78251	2.283
tert-Butylbenzene	1.00	6065	0.3564	2.00	13363	0.3899
trans-1,2-Dichloroethene	1.00	12362	0.3526	2.00	24584	0.3437
trans-1,3-Dichloropropene	1.00	6958	0.2341	2.00	14553	0.2409
1,2-Dichloroethane-d4	0.500	3924	0.2239	1.00	10111	0.2827
Dibromofluoromethane	0.500	3389	0.1933	1.00	8384	0.2344
Toluene-d8	0.500	11184	0.7525	1.00	27072	0.8963
p-Bromofluorobenzene	0.500	6710	0.7887	1.00	12812	0.7476

Login Number: L0505401
 Analytical Method: 8260B

Instrument ID: HPMS8
 Initial Calibration Date: 17-MAY-05

Analyte	WG189224-06			WG189224-07		
	CONC	RESP	RF	CONC	RESP	RF
Chloroethane	5.00	28299	0.1557	20.0	123553	0.1640
Dibromochloromethane	5.00	30105	0.1974	20.0	138074	0.2160
Dibromomethane	5.00	19873	0.1094	20.0	81829	0.1086
Dichlorodifluoromethane	5.00	53208	0.2928	20.0	224289	0.2977
Hexachlorobutadiene	5.00	32716	0.3717	20.0	141420	0.3917
Isopropylbenzene	5.00	192368	1.262	20.0	846905	1.325
Methylene Chloride	5.00	39174	0.2156	20.0	156230	0.2074
Naphthalene	5.00	115864	1.316	20.0	484505	1.342
Styrene	5.00	119924	0.7865	20.0	534733	0.8365
Tetrachloroethene	5.00	38672	0.2536	20.0	157397	0.2462
Trichloroethene	5.00	43052	0.2369	20.0	186708	0.2478
Trichlorofluoromethane	5.00	82164	0.4522	20.0	352218	0.4675
Vinyl Acetate	5.00	53802	0.2961	20.0	226128	0.3001
cis-1,2-Dichloroethene	5.00	71293	0.3924	20.0	306010	0.4061
cis-1,3-Dichloropropene	5.00	53278	0.2932	20.0	237931	0.3158
m-,p-Xylene	10.0	161289	0.5289	40.0	677272	0.5297
n-Butylbenzene	5.00	167328	1.901	20.0	727295	2.015
n-Propylbenzene	5.00	232929	2.646	20.0	1020460	2.827
o-Xylene	5.00	73321	0.4809	20.0	319776	0.5002
p-Isopropyltoluene	5.00	181157	2.058	20.0	792364	2.195
sec-Butylbenzene	5.00	212932	2.419	20.0	922953	2.556
tert-Butylbenzene	5.00	35802	0.4067	20.0	150334	0.4164
trans-1,2-Dichloroethene	5.00	66577	0.3664	20.0	279697	0.3712
trans-1,3-Dichloropropene	5.00	43346	0.2843	20.0	203236	0.3179
1,2-Dichloroethane-d4	2.50	23172	0.2551	10.0	99235	0.2634
Dibromofluoromethane	2.50	19657	0.2164	10.0	88454	0.2348
Toluene-d8	2.50	63863	0.8377	10.0	284111	0.8888
p-Bromofluorobenzene	2.50	28200	0.6407	10.0	121147	0.6711

Login Number: L0505401
 Analytical Method: 8260B

Instrument ID: HPMS8
 Initial Calibration Date: 17-MAY-05

Analyte	WG189224-08			WG189224-09		
	CONC	RESP	RF	CONC	RESP	RF
Chloroethane	50.0	316216	0.1623	100	624311	0.1555
Dibromochloromethane	50.0	390280	0.2356	100	808783	0.2371
Dibromomethane	50.0	215553	0.1106	100	432546	0.1078
Dichlorodifluoromethane	50.0	572321	0.2937	100	1113096	0.2773
Hexachlorobutadiene	50.0	374541	0.4016	100	748892	0.3866
Isopropylbenzene	50.0	2248331	1.357	100	4539466	1.331
Methylene Chloride	50.0	410239	0.2105	100	817388	0.2036
Naphthalene	50.0	1306484	1.401	100	2663022	1.375
Styrene	50.0	1433789	0.8655	100	2909840	0.8530
Tetrachloroethene	50.0	419717	0.2534	100	842560	0.2470
Trichloroethene	50.0	493498	0.2533	100	993821	0.2476
Trichlorofluoromethane	50.0	900194	0.4620	100	1777385	0.4428
Vinyl Acetate	50.0	566998	0.2910	100	1162933	0.2897
cis-1,2-Dichloroethene	50.0	804108	0.4127	100	1610106	0.4011
cis-1,3-Dichloropropene	50.0	641167	0.3291	100	1320286	0.3289
m-,p-Xylene	100	1773794	0.5354	200	3538699	0.5187
n-Butylbenzene	50.0	1902488	2.040	100	3781243	1.952
n-Propylbenzene	50.0	2688397	2.882	100	5361775	2.768
o-Xylene	50.0	847994	0.5119	100	1707243	0.5005
p-Isopropyltoluene	50.0	2089390	2.240	100	4184007	2.160
sec-Butylbenzene	50.0	2423967	2.599	100	4855394	2.506
tert-Butylbenzene	50.0	399916	0.4288	100	800971	0.4135
trans-1,2-Dichloroethene	50.0	731023	0.3752	100	1456244	0.3628
trans-1,3-Dichloropropene	50.0	558594	0.3372	100	1147277	0.3363
1,2-Dichloroethane-d4	25.0	247952	0.2545	50.0	488130	0.2432
Dibromofluoromethane	25.0	227373	0.2334	50.0	452907	0.2256
Toluene-d8	25.0	729192	0.8803	50.0	1445121	0.8473
p-Bromofluorobenzene	25.0	314470	0.6743	50.0	622842	0.6430

Login Number: L0505401
 Analytical Method: 8260B

Instrument ID: HPMS8
 Initial Calibration Date: 17-MAY-05

Analyte	WG189224-10		
	CONC	RESP	RF
Chloroethane	200	1291640	0.1573
Dibromochloromethane	200	1751790	0.2475
Dibromomethane	200	900278	0.1096
Dichlorodifluoromethane	200	2259655	0.2751
Hexachlorobutadiene	200	1846880	0.4618
Isopropylbenzene	200	9432957	1.333
Methylene Chloride	200	1728162	0.2104
Naphthalene	200	5539287	1.385
Styrene	200	6124418	0.8653
Tetrachloroethene	200	1775939	0.2509
Trichloroethene	200	2070166	0.2520
Trichlorofluoromethane	200	3663158	0.4460
Vinyl Acetate	200	2175570	0.2649
cis-1,2-Dichloroethene	200	3397848	0.4137
cis-1,3-Dichloropropene	200	2787441	0.3394
m-,p-Xylene	400	7189889	0.5079
n-Butylbenzene	200	8115206	2.029
n-Propylbenzene	200	11184090	2.797
o-Xylene	200	3568787	0.5042
p-Isopropyltoluene	200	8836801	2.210
sec-Butylbenzene	200	10291712	2.574
tert-Butylbenzene	200	1693069	0.4234
trans-1,2-Dichloroethene	200	3073034	0.3741
trans-1,3-Dichloropropene	200	2440147	0.3448
1,2-Dichloroethane-d4	100	975115	0.2374
Dibromofluoromethane	100	917578	0.2234
Toluene-d8	100	2927450	0.8272
p-Bromofluorobenzene	100	1272408	0.6364

KEMRON Environmental Services
ALTERNATE SOURCE CALIBRATION REPORT

00094680

Login Number: L0505401 Run Date: 04/23/2005 Sample ID: WG187632-11
Instrument ID: HPMS10 Run Time: 18:10 Method: 8260B
File ID: 10M37443 Analyst: MES
ICal Workgroup: WG187632 Cal ID: HPMS10 - 23-APR-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Chloroform	CCC	20	20.3	0.496	1.4	ug/L	
1,4-Dichlorobenzene	CCC	20	20.0	1.47	.1	ug/L	
1,1-Dichloroethene	CCC	20	20.4	0.228	2.2	ug/L	
1,2-Dichloropropane	CCC	20	20.7	0.246	3.4	ug/L	
Ethylbenzene	CCC	20	21.2	0.529	6.1	ug/L	
Hexachlorobutadiene	CCC	20	19.9	0.455	.7	ug/L	
Toluene	CCC	20	21.1	1.42	5.7	ug/L	
Vinyl Chloride	CCC	20	19.1	0.173	4.7	ug/L	
Bromoform	SPCC	20	17.6	0.143	12.1	ug/L	
Chlorobenzene	SPCC	20	20.8	0.929	4	ug/L	
Chloromethane	SPCC	20	18.7	0.216	6.6	ug/L	
1,1-Dichloroethane	SPCC	20	20.2	0.479	.8	ug/L	
1,1,2,2-Tetrachloroethane	SPCC	20	19.1	0.449	4.5	ug/L	
Acetone		20	22.3	0.0478	11.7	ug/L	
Benzene		20	20.8	0.970	4.2	ug/L	
Bromobenzene		20	20.9	0.759	4.4	ug/L	
Bromochloromethane		20	20.8	0.123	3.9	ug/L	
Bromodichloromethane		20	21.1	0.340	5.5	ug/L	
Bromomethane		20	19.6	0.127	2	ug/L	
2-Butanone		20	21.3	0.0639	6.3	ug/L	
n-Butylbenzene		20	20.5	2.41	2.6	ug/L	
sec-Butylbenzene		20	21.4	3.30	6.8	ug/L	
tert-Butylbenzene		20	20.9	0.519	4.4	ug/L	
Carbon Disulfide		20	21.8	0.820	9.2	ug/L	
Carbon Tetrachloride		20	18.7	0.331	6.5	ug/L	
Dibromochloromethane		20	18.8	0.288	6	ug/L	
Chloroethane		20	20.0	0.164	.2	ug/L	
2-Chloroethyl Vinyl Ether		20	21.9	0.0933	9.5	ug/L	
2-Chlorotoluene		20	20.8	2.55	4	ug/L	
4-Chlorotoluene		20	20.9	2.26	4.3	ug/L	
1,2-Dibromo-3-Chloropropane		20	19.0	0.0778	4.8	ug/L	
1,2-Dibromoethane		20	21.5	0.262	7.6	ug/L	
Dibromomethane		20	20.8	0.133	3.8	ug/L	
1,2-Dichlorobenzene		20	20.3	1.31	1.6	ug/L	
1,3-Dichlorobenzene		20	20.6	1.46	2.8	ug/L	
Dichlorodifluoromethane		20	20.8	0.349	4.2	ug/L	
1,2-Dichloroethane		20	19.7	0.350	1.3	ug/L	
cis-1,2-Dichloroethene		20	20.9	0.276	4.7	ug/L	
trans-1,2-Dichloroethene		20	21.1	0.260	5.3	ug/L	
1,3-Dichloropropane		20	20.1	0.429	.3	ug/L	
2,2-Dichloropropane		20	19.9	0.354	.6	ug/L	
cis-1,3-Dichloropropene		20	20.8	0.369	4.1	ug/L	

KEMRON FORMS - Modified 05/04/2005
Version 1.5 PDF File ID: 242242
Report generated 05/25/2005 09:30

KEMRON Environmental Services
ALTERNATE SOURCE CALIBRATION REPORT

00094681

Login Number: L0505401 Run Date: 04/23/2005 Sample ID: WG187632-11
Instrument ID: HPMS10 Run Time: 18:10 Method: 8260B
File ID: 10M37443 Analvst: MES
ICal Workgroup: WG187632 Cal ID: HPMS10 - 23-APR-05

Analyte	Expected	Found	RF	%D	UNITS	Q
trans-1,3-Dichloropropene	20	21.9	0.446	9.4	ug/L	
1,1-Dichloropropene	20	20.2	0.359	1	ug/L	
2-Hexanone	20	20.1	0.134	.6	ug/L	
Isopropylbenzene	20	22.1	1.54	10.7	ug/L	
p-Isopropyltoluene	20	21.2	2.65	6.1	ug/L	
4-Methyl-2-Pentanone	20	20.7	0.0551	3.3	ug/L	
Methylene Chloride	20	19.7	0.250	1.3	ug/L	
Naphthalene	20	21.1	1.41	5.4	ug/L	
n-Propylbenzene	20	21.0	3.55	4.8	ug/L	
Styrene	20	21.5	1.07	7.5	ug/L	
1,1,1,2-Tetrachloroethane	20	22.4	0.326	12	ug/L	
Tetrachloroethene	20	21.0	0.319	5	ug/L	
1,2,3-Trichlorobenzene	20	19.6	0.690	1.9	ug/L	
1,2,4-Trichlorobenzene	20	20.1	0.897	.6	ug/L	
1,1,1-Trichloroethane	20	21.1	0.429	5.6	ug/L	
1,1,2-Trichloroethane	20	20.4	0.249	2.1	ug/L	
Trichloroethene	20	21.7	0.288	8.6	ug/L	
Trichlorofluoromethane	20	20.8	0.473	3.9	ug/L	
1,2,3-Trichloropropane	20	20.7	0.161	3.6	ug/L	
1,2,4-Trimethylbenzene	20	20.7	2.71	3.4	ug/L	
1,3,5-Trimethylbenzene	20	21.4	2.65	7	ug/L	
Vinyl Acetate	20	16.1	0.247	19.5	ug/L	
o-Xylene	20	21.7	0.635	8.7	ug/L	
m-,p-Xylene	40	42.3	0.645	5.6	ug/L	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

KEMRON Environmental Services
ALTERNATE SOURCE CALIBRATION REPORT

00094682

Login Number: L0505401	Run Date: 05/17/2005	Sample ID: WG189224-11
Instrument ID: HPMS8	Run Time: 20:21	Method: 8260B
File ID: 8M320513	Analyst: CMS	
ICal Workgroup: WG189224	Cal ID: HPMS8 - 17-MAY-05	

Analyte		Expected	Found	RF	%D	UNITS	Q
Chloroform	CCC	20	20.1	0.420	.5	ug/L	
1,1-Dichloroethene	CCC	20	20.4	0.383	2.2	ug/L	
1,2-Dichloropropane	CCC	20	20.8	0.235	4	ug/L	
Ethylbenzene	CCC	20	21.1	0.430	5.3	ug/L	
Toluene	CCC	20	21.1	1.12	5.6	ug/L	
Vinyl Chloride	CCC	20	19.8	0.200	1	ug/L	
Bromoform	SPCC	20	18.5	0.119	7.5	ug/L	
Chlorobenzene	SPCC	20	20.2	0.769	1.1	ug/L	
Chloromethane	SPCC	20	18.9	0.265	5.6	ug/L	
1,1-Dichloroethane	SPCC	20	20.1	0.447	.6	ug/L	
1,1,2,2-Tetrachloroethane	SPCC	20	19.4	0.306	3.1	ug/L	
Acetone		20	20.6	0.0457	3	ug/L	
Benzene		20	20.5	0.886	2.5	ug/L	
Bromobenzene		20	20.9	0.591	4.3	ug/L	
Bromochloromethane		20	21.4	0.141	7	ug/L	
Bromodichloromethane		20	22.5	0.292	12.6	ug/L	
Bromomethane		20	22.1	0.151	10.6	ug/L	
2-Butanone		20	22.7	0.0668	13.3	ug/L	
n-Butylbenzene		20	20.2	1.89	.8	ug/L	
sec-Butylbenzene		20	20.9	2.46	4.6	ug/L	
tert-Butylbenzene		20	20.0	0.405	.1	ug/L	
Carbon Disulfide		20	21.3	0.721	6.5	ug/L	
Carbon Tetrachloride		20	18.7	0.305	6.5	ug/L	
Dibromochloromethane		20	19.5	0.220	2.5	ug/L	
Chloroethane		20	20.5	0.157	2.7	ug/L	
2-Chloroethyl Vinyl Ether		20	21.6	0.109	7.9	ug/L	
2-Chlorotoluene		20	19.4	1.64	2.8	ug/L	
4-Chlorotoluene		20	21.4	1.73	7	ug/L	
1,2-Dibromo-3-Chloropropane		20	19.6	0.0593	1.9	ug/L	
1,2-Dibromoethane		20	22.5	0.187	12.4	ug/L	
Dibromomethane		20	21.1	0.112	5.6	ug/L	
1,2-Dichlorobenzene		20	21.1	1.04	5.4	ug/L	
1,3-Dichlorobenzene		20	20.3	1.15	1.6	ug/L	
1,4-Dichlorobenzene		20	20.2	1.18	.8	ug/L	
Dichlorodifluoromethane		20	24.4	0.342	22.1	ug/L	
1,2-Dichloroethane		20	20.1	0.325	.3	ug/L	
cis-1,2-Dichloroethene		20	20.8	0.397	4.2	ug/L	
trans-1,2-Dichloroethene		20	21.2	0.377	6.1	ug/L	
1,3-Dichloropropane		20	20.2	0.317	.8	ug/L	
2,2-Dichloropropane		20	20.5	0.307	2.3	ug/L	
cis-1,3-Dichloropropene		20	22.5	0.334	12.6	ug/L	
trans-1,3-Dichloropropene		20	20.1	0.328	.5	ug/L	

KEMRON FORMS - Modified 05/04/2005
Version 1.5 PDF File ID: 242242
Report generated 05/25/2005 09:30

KEMRON Environmental Services
ALTERNATE SOURCE CALIBRATION REPORT

00094683

Login Number: L0505401 Run Date: 05/17/2005 Sample ID: WG189224-11
Instrument ID: HPMS8 Run Time: 20:21 Method: 8260B
File ID: 8M320513 Analvst: CMS
ICal Workgroup: WG189224 Cal ID: HPMS8 - 17-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,1-Dichloropropene	20	20.7	0.322	3.5	ug/L	
2-Hexanone	20	20.9	0.120	4.5	ug/L	
Hexachlorobutadiene	20	19.4	0.372	3.2	ug/L	
Isopropylbenzene	20	20.2	1.25	1.1	ug/L	
p-Isopropyltoluene	20	20.6	2.06	2.9	ug/L	
4-Methyl-2-Pentanone	20	22.1	0.0533	10.5	ug/L	
Methylene Chloride	20	21.0	0.219	5.1	ug/L	
Naphthalene	20	20.9	1.43	4.5	ug/L	
n-Propylbenzene	20	20.5	2.66	2.3	ug/L	
Styrene	20	20.5	0.867	2.7	ug/L	
1,1,1,2-Tetrachloroethane	20	21.8	0.257	8.9	ug/L	
Tetrachloroethene	20	20.5	0.250	2.3	ug/L	
1,2,3-Trichlorobenzene	20	21.3	0.727	6.4	ug/L	
1,2,4-Trichlorobenzene	20	20.9	0.843	4.3	ug/L	
1,1,1-Trichloroethane	20	20.2	0.370	1	ug/L	
1,1,2-Trichloroethane	20	21.5	0.181	7.7	ug/L	
Trichloroethene	20	21.7	0.261	8.4	ug/L	
Trichlorofluoromethane	20	19.5	0.430	2.3	ug/L	
1,2,3-Trichloropropane	20	21.0	0.114	5	ug/L	
1,2,4-Trimethylbenzene	20	20.9	2.09	4.4	ug/L	
1,3,5-Trimethylbenzene	20	21.2	2.01	5.9	ug/L	
Vinyl Acetate	20	16.8	0.242	16.1	ug/L	
o-Xylene	20	21.5	0.510	7.4	ug/L	
m-,p-Xylene	40	42.1	0.530	5.4	ug/L	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094684

Login Number: L0505401 Run Date: 05/21/2005 Sample ID: WG189538-02
Instrument ID: HPMS10 Run Time: 10:55 Method: 8260B
File ID: 10M38162 Analyst: MES
Workgroup (AAB#): WG189539 Cal ID: HPMS10 - 23-APR-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Chloroform	CCC	50	52.2	0.511	4.4	ug/L	
1,1-Dichloroethene	CCC	50	50.4	0.225	.9	ug/L	
1,2-Dichloropropane	CCC	50	48.5	0.230	3.1	ug/L	
Ethylbenzene	CCC	50	51.2	0.510	2.4	ug/L	
Toluene	CCC	50	50.2	1.35	.4	ug/L	
Vinyl Chloride	CCC	50	55.7	0.202	11.5	ug/L	
Bromoform	SPCC	50	53.2	0.177	6.4	ug/L	
Chlorobenzene	SPCC	50	50.4	0.900	.8	ug/L	
Chloromethane	SPCC	50	49.3	0.228	1.4	ug/L	
1,1-Dichloroethane	SPCC	50	50.7	0.482	1.3	ug/L	
1,1,2,2-Tetrachloroethane	SPCC	50	41.4	0.389	17.2	ug/L	
Acetone		50	44.1	0.0377	11.7	ug/L	
Benzene		50	49.1	0.913	1.8	ug/L	
Bromobenzene		50	48.0	0.698	4	ug/L	
Bromochloromethane		50	50.0	0.118	.1	ug/L	
Bromodichloromethane		50	50.9	0.328	1.7	ug/L	
Bromomethane		50	58.9	0.152	17.7	ug/L	
2-Butanone		50	43.2	0.0520	13.6	ug/L	
n-Butylbenzene		50	45.6	2.14	8.8	ug/L	
sec-Butylbenzene		50	47.0	2.90	6	ug/L	
tert-Butylbenzene		50	48.8	0.485	2.4	ug/L	
Carbon Disulfide		50	50.9	0.764	1.8	ug/L	
Carbon Tetrachloride		50	58.6	0.429	17.2	ug/L	
Dibromochloromethane		50	53.2	0.326	6.4	ug/L	
Chloroethane		50	52.0	0.171	4	ug/L	
2-Chloroethyl Vinyl Ether		50	56.1	0.0956	12.1	ug/L	
2-Chlorotoluene		50	47.7	2.34	4.7	ug/L	
4-Chlorotoluene		50	48.3	2.09	3.4	ug/L	
1,2-Dibromo-3-Chloropropane		50	42.0	0.0723	15.9	ug/L	
1,2-Dibromoethane		50	48.0	0.234	4	ug/L	
Dibromomethane		50	49.1	0.125	1.8	ug/L	
1,2-Dichlorobenzene		50	45.6	1.17	8.9	ug/L	
1,3-Dichlorobenzene		50	47.4	1.35	5.1	ug/L	
1,4-Dichlorobenzene		50	45.8	1.34	8.5	ug/L	
Dichlorodifluoromethane		50	45.2	0.303	9.6	ug/L	
1,2-Dichloroethane		50	51.2	0.363	2.3	ug/L	
cis-1,2-Dichloroethene		50	49.4	0.261	1.1	ug/L	
trans-1,2-Dichloroethene		50	50.5	0.250	1.1	ug/L	
1,3-Dichloropropane		50	46.3	0.397	7.4	ug/L	
2,2-Dichloropropane		50	61.8	0.440	23.6	ug/L	
cis-1,3-Dichloropropene		50	52.0	0.369	4.1	ug/L	
trans-1,3-Dichloropropene		50	55.9	0.456	11.8	ug/L	

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 242245
Report generated 05/25/2005 09:30

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094685

Login Number: L0505401 Run Date: 05/21/2005 Sample ID: WG189538-02
Instrument ID: HPMS10 Run Time: 10:55 Method: 8260B
File ID: 10M38162 Analyst: MES
Workgroup (AAB#): WG189539 Cal ID: HPMS10 - 23-APR-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,1-Dichloropropene	50	52.4	0.372	4.7	ug/L	
2-Hexanone	50	44.9	0.120	10.1	ug/L	
Hexachlorobutadiene	50	39.8	0.365	20.4	ug/L	*
Isopropylbenzene	50	56.8	1.58	13.5	ug/L	
p-Isopropyltoluene	50	50.1	2.50	.2	ug/L	
4-Methyl-2-Pentanone	50	43.9	0.0468	12.3	ug/L	
Methylene Chloride	50	46.3	0.235	7.4	ug/L	
Naphthalene	50	42.5	1.14	14.9	ug/L	
n-Propylbenzene	50	48.4	3.28	3.3	ug/L	
Styrene	50	50.0	0.994	.1	ug/L	
1,1,1,2-Tetrachloroethane	50	60.9	0.354	21.8	ug/L	
Tetrachloroethene	50	54.0	0.328	7.9	ug/L	
1,2,3-Trichlorobenzene	50	46.7	0.656	6.7	ug/L	
1,2,4-Trichlorobenzene	50	45.5	0.811	9	ug/L	
1,1,1-Trichloroethane	50	61.1	0.497	22.2	ug/L	
1,1,2-Trichloroethane	50	45.7	0.223	8.7	ug/L	
Trichloroethene	50	52.1	0.276	4.2	ug/L	
Trichlorofluoromethane	50	63.7	0.580	27.4	ug/L	
1,2,3-Trichloropropane	50	46.4	0.144	7.3	ug/L	
1,2,4-Trimethylbenzene	50	47.8	2.51	4.4	ug/L	
1,3,5-Trimethylbenzene	50	49.1	2.43	1.8	ug/L	
Vinyl Acetate	50	49.7	0.304	.6	ug/L	
o-Xylene	50	51.5	0.601	2.9	ug/L	
m-, p-Xylene	100	102	0.621	1.7	ug/L	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094686

Login Number: L0505401 Run Date: 05/22/2005 Sample ID: WG189547-02
Instrument ID: HPMS8 Run Time: 10:39 Method: 8260B
File ID: 8M320649 Analyst: MES
Workgroup (AAB#): WG189548 Cal ID: HPMS8 - 17-MAY-05

Analyte		Expected	Found	RF	%D	UNITS	Q
Chloroform	CCC	50	51.4	0.429	2.7	ug/L	
1,1-Dichloroethene	CCC	50	51.5	0.386	3	ug/L	
1,2-Dichloropropane	CCC	50	47.3	0.214	5.4	ug/L	
Ethylbenzene	CCC	50	52.3	0.427	4.6	ug/L	
Toluene	CCC	50	52.0	1.10	4	ug/L	
Vinyl Chloride	CCC	50	53.4	0.215	6.8	ug/L	
Bromoform	SPCC	50	56.2	0.153	12.4	ug/L	
Chlorobenzene	SPCC	50	50.4	0.767	.9	ug/L	
Chloromethane	SPCC	50	51.6	0.289	3.1	ug/L	
1,1-Dichloroethane	SPCC	50	49.7	0.443	.5	ug/L	
1,1,2,2-Tetrachloroethane	SPCC	50	50.0	0.316	.1	ug/L	
Acetone		50	58.7	0.0521	17.4	ug/L	
Benzene		50	47.0	0.812	6	ug/L	
Bromobenzene		50	50.7	0.575	1.4	ug/L	
Bromochloromethane		50	47.2	0.124	5.6	ug/L	
Bromodichloromethane		50	55.2	0.286	10.4	ug/L	
Bromomethane		50	39.3	0.107	21.4	ug/L	
2-Butanone		50	53.4	0.0630	6.9	ug/L	
n-Butylbenzene		50	53.9	2.02	7.8	ug/L	
sec-Butylbenzene		50	53.3	2.51	6.5	ug/L	
tert-Butylbenzene		50	50.8	0.411	1.5	ug/L	
Carbon Disulfide		50	48.9	0.662	2.3	ug/L	
Carbon Tetrachloride		50	57.0	0.383	14	ug/L	
Dibromochloromethane		50	54.8	0.255	9.7	ug/L	
Chloroethane		50	46.3	0.142	7.4	ug/L	
2-Chloroethyl Vinyl Ether		50	49.7	0.101	.7	ug/L	
2-Chlorotoluene		50	53.0	1.79	6.1	ug/L	
4-Chlorotoluene		50	53.8	1.74	7.6	ug/L	
1,2-Dibromo-3-Chloropropane		50	52.2	0.0644	4.3	ug/L	
1,2-Dibromoethane		50	54.4	0.181	8.9	ug/L	
Dibromomethane		50	51.5	0.109	2.9	ug/L	
1,2-Dichlorobenzene		50	51.5	1.02	3	ug/L	
1,3-Dichlorobenzene		50	50.5	1.15	1	ug/L	
1,4-Dichlorobenzene		50	50.0	1.17	.1	ug/L	
Dichlorodifluoromethane		50	44.0	0.246	12	ug/L	
1,2-Dichloroethane		50	53.9	0.349	7.7	ug/L	
cis-1,2-Dichloroethene		50	53.0	0.404	6	ug/L	
trans-1,2-Dichloroethene		50	50.3	0.357	.6	ug/L	
1,3-Dichloropropane		50	51.1	0.322	2.2	ug/L	
2,2-Dichloropropane		50	61.7	0.370	23.3	ug/L	
cis-1,3-Dichloropropene		50	53.6	0.318	7.2	ug/L	
trans-1,3-Dichloropropene		50	54.5	0.363	9.1	ug/L	

KEMRON FORMS - Modified 03/21/2005
Version 1.3 PDF File ID: 242245
Report generated 05/25/2005 09:30

KEMRON Environmental Services
CONTINUING CALIBRATION REPORT

00094687

Login Number: L0505401 Run Date: 05/22/2005 Sample ID: WG189547-02
Instrument ID: HPMS8 Run Time: 10:39 Method: 8260B
File ID: 8M320649 Analyst: MES
Workgroup (AAB#): WG189548 Cal ID: HPMS8 - 17-MAY-05

Analyte	Expected	Found	RF	%D	UNITS	Q
1,1-Dichloropropene	50	51.3	0.320	2.6	ug/L	
2-Hexanone	50	58.8	0.135	17.6	ug/L	
Hexachlorobutadiene	50	50.4	0.387	.8	ug/L	
Isopropylbenzene	50	55.5	1.37	11	ug/L	
p-Isopropyltoluene	50	54.7	2.19	9.5	ug/L	
4-Methyl-2-Pentanone	50	50.6	0.0489	1.3	ug/L	
Methylene Chloride	50	46.2	0.192	7.6	ug/L	
Naphthalene	50	47.7	1.31	4.7	ug/L	
n-Propylbenzene	50	53.1	2.76	6.2	ug/L	
Styrene	50	50.2	0.855	.3	ug/L	
1,1,1,2-Tetrachloroethane	50	62.0	0.292	24	ug/L	
Tetrachloroethene	50	50.4	0.246	.8	ug/L	
1,2,3-Trichlorobenzene	50	50.3	0.687	.5	ug/L	
1,2,4-Trichlorobenzene	50	48.8	0.789	2.4	ug/L	
1,1,1-Trichloroethane	50	57.0	0.418	14	ug/L	
1,1,2-Trichloroethane	50	51.4	0.172	2.7	ug/L	
Trichloroethene	50	47.4	0.228	5.1	ug/L	
Trichlorofluoromethane	50	54.5	0.480	8.9	ug/L	
1,2,3-Trichloropropane	50	53.2	0.116	6.4	ug/L	
1,2,4-Trimethylbenzene	50	54.1	2.17	8.3	ug/L	
1,3,5-Trimethylbenzene	50	54.7	2.07	9.5	ug/L	
Vinyl Acetate	50	56.7	0.326	13.4	ug/L	
o-Xylene	50	52.9	0.503	5.9	ug/L	
m-, p-Xylene	100	106	0.533	6	ug/L	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

00094688

Login Number: L0505401
Instrument ID: HPMS10
Workgroup (AAB#): WG189539

CCV Number: WG189538-02
CAL ID: HPMS10 - 23-APR-05
Matrix: WATER

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG189538-02	NA	NA	243908	440900	604575
Upper Limit	NA	NA	487816	881800	1209150
Lower Limit	NA	NA	121954	220450	302288
<u>L0505401-01</u>	1.00	01	223894	426326	594224
L0505401-02	1.00	01	234258	441164	620151
L0505401-03	1.00	01	221426	407731	572744
L0505401-04	1.00	01	230170	419015	588577
L0505401-06	1.00	01	225595	421280	591822
L0505401-07	1.00	01	232679	428532	604612
L0505401-08	1.00	01	223733	428116	596220
L0505401-10	1.00	01	224224	418354	585618
WG189539-01	1.00	01	236264	442964	616676
WG189539-02	1.00	01	250050	448385	619686
WG189539-03	1.00	01	252503	462981	641120

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY
(COMPARED TO CCV)

00094689

Login Number: L0505401
Instrument ID: HPMS8
Workgroup (AAB#): WG189548

CCV Number: WG189547-02
CAL ID: HPMS8 - 17-MAY-05
Matrix: WATER

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG189547-02	NA	NA	430689	728611	897058
Upper Limit	NA	NA	861378	1457222	1794116
Lower Limit	NA	NA	215345	364306	448529
L0505401-05	1.00	01	380771	671097	846007
L0505401-15	1.00	01	370954	658908	836737
WG189548-01	1.00	01	393104	701019	895023
WG189548-02	1.00	01	443824	742492	937139
WG189548-03	1.00	01	450521	779864	971146

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

00094690

Login Number: L0505401
Instrument ID: HPMS10
Workgroup (AAB#): WG189539

CCV Number: WG189538-02
CAL ID: HPMS10-23-APR-05
Matrix: WATER

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG189538-02	NA	NA	15.65	12.67	8.84
Upper Limit	NA	NA	16.15	13.17	9.34
Lower Limit	NA	NA	15.15	12.17	8.34
<u>L0505401-01</u>	1.00	01	15.65	12.68	8.84
L0505401-02	1.00	01	15.65	12.67	8.84
L0505401-03	1.00	01	15.65	12.67	8.84
L0505401-04	1.00	01	15.65	12.67	8.84
L0505401-06	1.00	01	15.65	12.68	8.84
L0505401-07	1.00	01	15.65	12.67	8.84
L0505401-08	1.00	01	15.65	12.67	8.84
L0505401-10	1.00	01	15.65	12.67	8.84
WG189539-01	1.00	01	15.65	12.67	8.84
WG189539-02	1.00	01	15.65	12.68	8.83
WG189539-03	1.00	01	15.65	12.67	8.84

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO CCV)

00094691

Login Number: L0505401
Instrument ID: HPMS8
Workgroup (AAB#): WG189548

CCV Number: WG189547-02
CAL ID: HPMS8 - 17-MAY-05
Matrix: WATER

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG189547-02	NA	NA	17.9	14.87	11
Upper Limit	NA	NA	18.4	15.37	11.5
Lower Limit	NA	NA	17.4	14.37	10.5
L0505401-05	1.00	01	17.9	14.88	11
L0505401-15	1.00	01	17.9	14.88	11
WG189548-01	1.00	01	17.9	14.88	11
WG189548-02	1.00	01	17.9	14.88	11
WG189548-03	1.00	01	17.9	14.88	11

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

Inorganic QA/QC

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00094693

Analytical Method: 353.2
Login Number: L0505401

AAB#: WG189390

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
49WW01-MAY05	05/17/05	05/18/05	05/19/05	28	1.99	05/19/05	28	1.99	
49WW02-MAY05	05/17/05	05/18/05	05/19/05	28	1.89	05/19/05	28	1.89	
49WW03-MAY05	05/17/05	05/18/05	05/19/05	28	2.06	05/19/05	28	2.06	
49WW03-MAY05-D	05/17/05	05/18/05	05/19/05	28	2.06	05/19/05	28	2.06	

* EXT = SEE PROJECT QAPP REQUIREMENTS

* ANAL = SEE PROJECT QAPP REQUIREMENTS

Login Number: L0505401
Blank File ID: SC05052009070016
Date Analyzed: 05/19/05
Time Analyzed: 10:31
Analyst: DIH

Work Group: WG189390
Blank Sample ID: WG189390-02
Instrument ID: SMARTCHEM
Method: 353.2

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
49WW01-MAY05	L0505401-11	SC05052009070011	05/19/05 10:31	
49WW02-MAY05	L0505401-12	SC05052009070012	05/19/05 10:31	
49WW03-MAY05	L0505401-13	SC05052009070013	05/19/05 10:31	
49WW03-MAY05-D	L0505401-14	SC05052009070014	05/19/05 10:31	
DUP	WG189390-05	SC05052009070019	05/19/05 10:31	
DUP	WG189390-05	SC05052009070026	05/19/05 10:31	
LCS	WG189390-03	SC05052009070017	05/19/05 10:31	
LCS2	WG189390-04	SC05052009070018	05/19/05 10:31	
LCS	WG189390-03	SC05052009070024	05/19/05 10:31	
LCS2	WG189390-04	SC05052009070025	05/19/05 10:31	

Login Number: L0505401
Blank File ID: SC05052009070023
Date Analyzed: 05/19/05
Time Analyzed: 10:31
Analyst: DIH

Work Group: WG189390
Blank Sample ID: WG189390-02
Instrument ID: SMARTCHEM
Method: 353.2

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
49WW01-MAY05	L0505401-11	SC05052009070011	05/19/05 10:31	
49WW02-MAY05	L0505401-12	SC05052009070012	05/19/05 10:31	
49WW03-MAY05	L0505401-13	SC05052009070013	05/19/05 10:31	
49WW03-MAY05-D	L0505401-14	SC05052009070014	05/19/05 10:31	
DUP	WG189390-05	SC05052009070019	05/19/05 10:31	
DUP	WG189390-05	SC05052009070026	05/19/05 10:31	
LCS	WG189390-03	SC05052009070017	05/19/05 10:31	
LCS2	WG189390-04	SC05052009070018	05/19/05 10:31	
LCS	WG189390-03	SC05052009070024	05/19/05 10:31	
LCS2	WG189390-04	SC05052009070025	05/19/05 10:31	

Login Number: L0505401 Run Date: 05/19/2005 Sample ID: WG189390-02
Instrument ID: SMARTCHEM Run Time: 10:31 Prep Method: 353.2
File ID: SC05052009070016 Analyst: DIH Method: 353.2
Workgroup (AAB#): WG189390 Matrix: Water Units: mg/L
Contract #: DACA56-94-D-0020 Cal ID: SMARTC -

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Nitrogen, Nitrate-Nitrite	0.0250	0.0500	0.0250	1	U

Login Number: L0505401 Run Date: 05/19/2005 Sample ID: WG189390-02
Instrument ID: SMARTCHEM Run Time: 10:31 Prep Method: 353.2
File ID: SC05052009070023 Analyst: DIH Method: 353.2
Workgroup (AAB#): WG189390 Matrix: Water Units: mg/L
Contract #: DACA56-94-D-0020 Cal ID: SMARTC -

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Nitrogen, Nitrate-Nitrite	0.0250	0.0500	0.0250	1	U

Login Number: L0505401 Analyst: DIH Prep Method: 353.2
 Instrument ID: SMARTCHEM Matrix: Water Method: 353.2
 Workgroup (AAB#): WG189390 Units: mg/L
 Sample ID: WG189390-03 LCS File ID: SC05052009070017 Run Date: 05/19/2005 10:31
 Sample ID: WG189390-04 LCS2 File ID: SC05052009070018 Run Date: 05/19/2005 10:31

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Nitrogen, Nitrate-Nitrite	1.00	0.966	96.6	1.00	0.997	99.7	3.16	90 - 110	10	
	1.00	0.966	96.6	1.00	0.997	99.7				

Loginnum: L0505401 Cal ID: SMARTCHEM- Worknum: WG189390
 Instrument ID: SMARTCHEM Contract #: DACA56-94-D-0020 Method: 353.2
 Parent ID: WG189390-01 File ID: SC05052009070015 Dil: 1 Matrix: WATER
 Sample ID: WG189390-06 MS File ID: SC05052009070020 Dil: 1 Units: mg/L
 Sample ID: WG189390-07 MSD File ID: SC05052009070021 Dil: 1

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Nitrogen, Nitrate-Nitrite	0.501	0.500	1.01	102	0.500	1.02	103	0.494	90 - 110	10	
		0.500	1.01	102	0.500	1.02	103				

* FAILS %REC LIMIT

FAILS RPD LIMIT

Loginnum: L0505401 Cal ID: SMARTCHEM- Worknum: WG189390
Instrument ID: SMARTCHEM Contract #: DACA56-94-D-0020 Method: 353.2
Parent ID: WG189390-01 File ID: SC05052009070022 Dil: 1 Matrix: WATER
Sample ID: WG189390-06 MS File ID: SC05052009070020 Dil: 1 Units: mg/L
Sample ID: WG189390-07 MSD File ID: SC05052009070021 Dil: 1

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Nitrogen, Nitrate-Nitrite	0.501	0.500	1.01	102	0.500	1.02	103	0.494	90 - 110	10	
		0.500	1.01	102	0.500	1.02	103				

* FAILS %REC LIMIT

FAILS RPD LIMIT

KEMRON Environmental Services
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

00094701

Analytical Method: 314.0
Login Number: L0505401

AAB#: WG189544

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
051605-ER	05/16/05	05/18/05	05/20/05	28	4.00	05/20/05	28	4.00	
29WW03-MAY05	05/17/05	05/18/05	05/20/05	28	3.18	05/20/05	28	3.18	
29WW04-MAY05	05/17/05	05/18/05	05/20/05	28	3.35	05/20/05	28	3.35	
29WW04-MAY05-D	05/17/05	05/18/05	05/20/05	28	3.36	05/20/05	28	3.36	
29WW20-MAY05	05/16/05	05/18/05	05/20/05	28	4.12	05/20/05	28	4.12	
29WW30-MAY05	05/16/05	05/18/05	05/20/05	28	4.27	05/20/05	28	4.27	
29WW31-MAY05	05/16/05	05/18/05	05/20/05	28	4.13	05/20/05	28	4.13	
29WW32A-MAY05	05/16/05	05/18/05	05/20/05	28	4.32	05/20/05	28	4.32	
29WW33-MAY05	05/16/05	05/18/05	05/20/05	28	4.10	05/20/05	28	4.10	

* EXT = SEE PROJECT QAPP REQUIREMENTS

*ANAL = SEE PROJECT QAPP REQUIREMENTS

Login Number: L0505401
Blank File ID: I1052005.12
Date Analyzed: 05/20/05
Time Analyzed: 16:05
Analyst: JWR

Work Group: WG189544
Blank Sample ID: WG189544-01
Instrument ID: IC1
Method: 314.0

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG189544-02	I1052005.14	05/20/05 16:45	01
051605-ER	L0505401-01	I1052005.15	05/20/05 17:06	01
29WW03-MAY05	L0505401-03	I1052005.16	05/20/05 17:26	01
29WW04-MAY05	L0505401-04	I1052005.17	05/20/05 17:47	01
29WW04-MAY05-D	L0505401-05	I1052005.18	05/20/05 18:07	01
29WW20-MAY05	L0505401-06	I1052005.19	05/20/05 18:28	DL01
29WW30-MAY05	L0505401-07	I1052005.20	05/20/05 18:48	DL01
29WW31-MAY05	L0505401-08	I1052005.21	05/20/05 19:08	DL01
29WW33-MAY05	L0505401-10	I1052005.22	05/20/05 19:29	DL01
DUP	WG189544-04	I1052005.23	05/20/05 19:49	DL01
29WW32A-MAY05	L0505401-09	I1052005.27	05/20/05 21:11	DL01

Login Number: L0505401 Run Date: 05/20/2005 Sample ID: WG189544-01
Instrument ID: IC1 Run Time: 16:05 Prep Method: 314.0
File ID: I1052005.12 Analyst: JWR Method: 314.0
Workgroup (AAB#): WG189544 Matrix: Water Units: ug/L
Contract #: DACA56-94-D-0020 Cal ID: IC1-

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Perchlorate	0.500	1.00	0.500	1	U

Login Number: L0505401 Run Date: 05/20/2005 Sample ID: WG189544-02
Instrument ID: IC1 Run Time: 16:45 Prep Method: 314.0
File ID: I1052005.14 Analyst: JWR Method: 314.0
Workgroup (AAB#): WG189544 Matrix: Water Units: ug/L
Contract #: DACA56-94-D-0020 Cal ID: IC1-

Analytes	Expected	Found	% Rec	LCS Limits	Q
Perchlorate	25.0	24.1	96.6	85 - 115	

Loginnum: L0505401 Cal ID: IC1 - Worknum: WG189544
Instrument ID: IC1 Contract #: DACA56-94-D-0020 Method: 314.0
Parent ID: WG189544-05 File ID: I1052005.17 Dil: 1 Matrix: WATER
Sample ID: WG189544-06 MS File ID: I1052005.25 Dil: 1 Units: ug/L
Sample ID: WG189544-07 MSD File ID: I1052005.26 Dil: 1

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Perchlorate	ND	25.0	24.2	96.8	25.0	24.7	98.8	2.01	80 - 120	25	

* FAILS %REC LIMIT

FAILS RPD LIMIT



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: LHAAP-030

Page 1 of 2

Project Number: 845714

Samples Shipment Date: 17 MAY 2005

Bill To: Diane Meyer

3010 Briarpark Drive

Houston

TX 77042

Project Name: Longhorn Army Ammunition Plant Lab Destination: Kemron Lab

Sample Coordinator: Phil Conley

Lab Contact: Stephanie Mossburg

Report To: Diane Meyer

3010 Briarpark Drive

Houston

TX 77042

Turnaround Time:

Project Contact: Diane Meyer

Carrier/Waybill No.: UPS/J180 010 402 6

Special Instructions:

Possible Hazard Identification:

Non-hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown ☐Radiological ☐

Sample Disposal:

Return to Client ☐Disposal by Lab ☐Archive ☐1. Relinquished By
(Signature/Affiliation)

Date:

Time:

1. Received By
(Signature/Affiliation)

Date:

Time:

2. Relinquished By
(Signature/Affiliation)

Date:

Time:

2. Received By
(Signature/Affiliation)

Date:

Time:

3. Relinquished By
(Signature/Affiliation)

Date:

Time:

3. Received By
(Signature/Affiliation)

Date:

Time:

Comments:

Clc sealed
Spurtaf
Cooler impo
big

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
051405-ER	29WW10-WA-051405-ER-ER	14 MAY 2005	08:50	1 L HDPE	1		Perchlorate by 314.0				N KL148	
051605-ER	29WW21-WA-051605-ER-ER	16 MAY 2005	17:00	40 mL VOA VIAL	3	HCl<pH 2	Volatiles by SW8260B				N KL164	
051605-ER	29WW21-WA-051605-ER-ER	16 MAY 2005	17:00	1 L HDPE	1		Perchlorate by 314.0				N KL164	
051605-TB-1	29WW21-GW-051605-TB-1-TB	16 MAY 2005	07:00	40 mL VOA VIAL	2	HCl<pH 2	Volatiles by SW8260B				N KL164	
051705-TB-1	29WW03-BW-051705-TB-1-TB	17 MAY 2005	07:00	40 mL VOA VIAL	2	HCl<pH 2	Volatiles by SW8260B				N KL164	
29WW03-MAY02	29WW03-GW-29WW03-MAY05-REG	17 MAY 2005	13:10	40 mL VOA VIAL	3	HCl<pH 2	Volatiles by SW8260B				N KL164	
29WW03-MAY02	29WW03-GW-29WW03-MAY05-REG	17 MAY 2005	13:10	1 L HDPE	1		Perchlorate by 314.0				N KL164	
29WW04-MAY02	29WW04-GW-29WW04-MAY05-REG	17 MAY 2005	09:24	40 mL VOA VIAL	3	HCl<pH 2	Volatiles by SW8260B				N KL164	



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: LHAAP-030

Page 2 of 2

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
29WW04-MAY05:29WW04-GW-29WW04-MAY05-REG		17 MAY 2005	09:24	1 L HDPE		Perchlorate by 314.0				N KL164	
29WW04-MAY05:29WW04-GW-29WW04-MAY05-D-FD		17 MAY 2005	09:24	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B				N KL164	
29WW04-MAY05:29WW04-GW-29WW04-MAY05-D-FD		17 MAY 2005	09:24	1 L HDPE		Perchlorate by 314.0				N KL164	
29WW20-MAY05:29WW20-GW-29WW20-MAY05-REG		16 MAY 2005	15:40	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B				N KL164	
29WW20-MAY05:29WW20-GW-29WW20-MAY05-REG		16 MAY 2005	15:40	1 L HDPE		Perchlorate by 314.0				N KL164	
29WW30-MAY05:29WW30-GW-29WW30-MAY05-REG		16 MAY 2005	12:20	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B				N KL164	
29WW30-MAY05:29WW30-GW-29WW30-MAY05-REG		16 MAY 2005	12:20	1 L HDPE		Perchlorate by 314.0				N KL164	
29WW31-MAY05:29WW31-GW-29WW31-MAY05-REG		16 MAY 2005	15:55	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B				N KL164	
29WW31-MAY05:29WW31-GW-29WW31-MAY05-REG		16 MAY 2005	15:55	1 L HDPE		Perchlorate by 314.0				N KL164	
29WW32A-MAY05:29WW32-GW-29WW32A-MAY05-REG		16 MAY 2005	13:30	1 L HDPE		Perchlorate by 314.0				N KL164	
29WW33-MAY05:29WW33-GW-29WW33-MAY05-REG		16 MAY 2005	17:00	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B				N KL164	
29WW33-MAY05:29WW33-GW-29WW33-MAY05-REG		16 MAY 2005	17:00	1 L HDPE		Perchlorate by 314.0				N KL164	
49WW01-MAY05:49WW01-GW-49WW01-MAY05-REG		17 MAY 2005	10:45	500 mL HDPE	1 H2SO4<pH 2	Nitrate/Nitrite by 353.2				N KL164	
49WW02-MAY05:49WW02-GW-49WW02-MAY05-REG		17 MAY 2005	13:10	500 mL HDPE	1 H2SO4<pH 2	Nitrate/Nitrite by 353.2				N KL164	
49WW03-MAY05:49WW03-GW-49WW03-MAY05-REG		17 MAY 2005	09:00	500 mL HDPE	1 H2SO4<pH 2	Nitrate/Nitrite by 353.2				N KL164	
49WW03-MAY05:49WW03-GW-49WW03-MAY05-D-FD		17 MAY 2005	09:00	500 mL HDPE	1 H2SO4<pH 2	Nitrate/Nitrite by 353.2				N KL164	
WS-001 WATER-SOURCE-WA-WS-001-SMQC		17 MAY 2005	10:00	40 mL VOA VIAL	3 HCl<pH 2	Volatiles by SW8260B				N KL164	

Login: L0505401

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 15

Due Date: 25-MAY-2005

Samplenum **Container ID** **Products**

L0505401-01 133971 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	W1	WET	19-MAY-2005 16:16	DIH	BRG

Samplenum **Container ID** **Products**

L0505401-01 133972 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	V1	ORG4	20-MAY-2005 12:23	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	V1	ORG4	20-MAY-2005 12:23	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	V1	ORG4	20-MAY-2005 12:23	MES	BRG

Samplenum **Container ID** **Products**

L0505401-02 133973 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	V1	ORG4	20-MAY-2005 12:23	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	V1	ORG4	20-MAY-2005 12:23	MES	BRG

Samplenum **Container ID** **Products**

L0505401-03 133974 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	W1	WET	19-MAY-2005 16:16	DIH	BRG

Login: L0505401

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 15

Due Date: 25-MAY-2005

Samplenum **Container ID** **Products**

L0505401-03 133975 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	V1	ORG4	20-MAY-2005 12:23	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	V1	ORG4	20-MAY-2005 12:23	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	V1	ORG4	20-MAY-2005 12:23	MES	BRG

Samplenum **Container ID** **Products**

L0505401-04 133976 CLO4

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	W1	WET	19-MAY-2005 16:15	DIH	BRG

Samplenum **Container ID** **Products**

L0505401-04 133977 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	V1	ORG4	20-MAY-2005 12:23	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	V1	ORG4	20-MAY-2005 12:23	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	V1	ORG4	20-MAY-2005 12:23	MES	BRG

KEMRON Environmental Services
Internal Chain of Custody Report

00094710

Login: L0505401
Account: SHAW-ALLIANCE-798
Project: 798-LONGHORN
Samples: 15
Due Date: 25-MAY-2005

Samplenum **Container ID** **Products**

L0505401-05 133978 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	W1	WET	19-MAY-2005 16:15	DIH	BRG

Samplenum **Container ID** **Products**

L0505401-05 133979 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	V1	ORG4	20-MAY-2005 12:23	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	V1	ORG4	20-MAY-2005 12:23	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	V1	ORG4	20-MAY-2005 12:23	MES	BRG

Samplenum **Container ID** **Products**

L0505401-06 133980 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	W1	WET	19-MAY-2005 16:15	DIH	BRG

Login: L0505401

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 15

Due Date: 25-MAY-2005

Samplenum **Container ID** **Products**

L0505401-06 133981 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	V1	ORG4	20-MAY-2005 12:23	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	V1	ORG4	20-MAY-2005 12:23	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	V1	ORG4	20-MAY-2005 12:23	MES	BRG

Samplenum **Container ID** **Products**

L0505401-07 133982 CLO4

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	W1	WET	19-MAY-2005 16:15	DIH	BRG

Samplenum **Container ID** **Products**

L0505401-07 133983 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	V1	ORG4	20-MAY-2005 12:23	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	V1	ORG4	20-MAY-2005 12:23	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	V1	ORG4	20-MAY-2005 12:23	MES	BRG

KEMRON Environmental Services
Internal Chain of Custody Report

00094712

Login: L0505401
Account: SHAW-ALLIANCE-798
Project: 798-LONGHORN
Samples: 15
Due Date: 25-MAY-2005

Samplenum **Container ID** **Products**

L0505401-08 133984 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	W1	WET	19-MAY-2005 16:15	DIH	BRG

Samplenum **Container ID** **Products**

L0505401-08 133985 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	V1	ORG4	20-MAY-2005 12:23	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	V1	ORG4	20-MAY-2005 12:23	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	V1	ORG4	20-MAY-2005 12:23	MES	BRG

Samplenum **Container ID** **Products**

L0505401-09 133986 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	W1	WET	19-MAY-2005 16:15	DIH	BRG

Samplenum **Container ID** **Products**

L0505401-10 133987 CL04

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	W1	WET	19-MAY-2005 16:15	DIH	BRG

Login: L0505401

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 15

Due Date: 25-MAY-2005

Samplenum **Container ID** **Products**

L0505401-10 133988 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	V1	ORG4	20-MAY-2005 12:23	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	V1	ORG4	20-MAY-2005 12:23	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	V1	ORG4	20-MAY-2005 12:23	MES	BRG

Samplenum **Container ID** **Products**

L0505401-11 133989 N03N02

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	W1	WET	19-MAY-2005 07:40	DIH	BRG
3	STORE	WET	A1	19-MAY-2005 16:16	BRG	DIH

Samplenum **Container ID** **Products**

L0505401-12 133990 N03N02

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	W1	WET	19-MAY-2005 07:40	DIH	BRG
3	STORE	WET	A1	19-MAY-2005 16:16	BRG	DIH

Samplenum **Container ID** **Products**

L0505401-13 133991 N03N02

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	
2	ANALYZ	W1	WET	19-MAY-2005 07:40	DIH	BRG
3	STORE	WET	A1	19-MAY-2005 16:16	BRG	DIH

Login: L0505401

Account: SHAW-ALLIANCE-798

Project: 798-LONGHORN

Samples: 15

Due Date: 25-MAY-2005

Samplenum **Container ID** **Products**

L0505401-14 133992

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:07	BRG	

Samplenum **Container ID** **Products**

L0505401-14 133993 N03N02

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:14	BRG	
2	ANALYZ	W1	WET	19-MAY-2005 07:40	DIH	BRG
3	STORE	WET	A1	19-MAY-2005 16:16	BRG	DIH

Samplenum **Container ID** **Products**

L0505401-15 133994 826-LOW

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:14	BRG	
2	ANALYZ	V1	ORG4	20-MAY-2005 12:23	MES	BRG

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:14	BRG	
2	ANALYZ	V1	ORG4	20-MAY-2005 12:23	MES	BRG

Bottle: 3

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN			18-MAY-2005 15:14	BRG	
2	ANALYZ	V1	ORG4	20-MAY-2005 12:23	MES	BRG

SAMPLE RECEIPT FORM

00094715

Date: 5/18/05 Client: Shaw 950156 STARLITE DRIVE
MARIETTA, OH
45750
(740) 373-4071

Shipped By: () Fed-Ex () UPS () DHL () KEMRON () Client () Other

Opened By: UBGLogged By: UBG Login # L05 05401

IR Temp Gun: () D () F

COOLER INFORMATION

Number	Cooler ID	Temp °C	Airbill#	COC#	Other
1	KL397	1	J180 010 401 7	031	
2	KL1321	4	J1788255371	028	
3	KL1644	0	J180 010 402 6	030	
4	KL494	4	J178 825 538 0	029	
5					
6					

Were all coolers sealed?

(Y) N N/A

Were custody seals used on all coolers?

(Y) N N/A

Were custody seals intact?

(Y) N N/A

Was visible ice present?

(Y) N N/A

Were all coolers in the temperature range of 2-6C? (>6C*)

Y (N) N/A

Were the samples frozen?*

Y (N) N/A

Were COC papers provided?

(Y) N N/A

Were all sample containers intact?*

(Y) N N/A

Were all sample labels intact?

(Y) N N/A

Were all sample labels legible?*

(Y) N N/A

Did all sample labels match the COC?*

Y (N) N/A

Was the label information complete?*

(Y) N N/A

Were the correct containers used?*

(Y) N N/A

Were the correct preservatives added to water samples?*

(Y) N N/A

Was the pH tested on preserved water samples?

(Y) N N/A

Were pH ranges acceptable?*

(Y) N N/A

Was sufficient amount of sample provided?*

(Y) N N/A

Were bubbles present in VOA samples?*

Y (N) N/A

Were COC's signed and dated?

(Y) N N/A

Did samples arrive before hold time expired?*

(Y) N N/A

Are discrepancy forms attached?

(Y) N N/A

*Requires a discrepancy form

Comments: _____

CRF #1

Revised 8/22/03

CRF#4

Sample Discrepancy Form

Client: SHAW Project: C/C 030

Date Received: 5/18/05

_____ Cooler temperature > than 6 degrees Celsius

Reason _____

_____ Samples received not on chain of custody

✓ 051405-ER Samples on chain of custody not received NO 5x? 10505335-02 already received. 5/17
20/c/c

✓ C/C 29WW32A 5/16 @ 1330 = label 29WW32-may05
5/18 @ 920

_____ Sample containers received broken, leaking or not sealed (List sample ID)

_____ pH out (List sample ID, which container, pH prior to adjusting, amount of acid, preservative)

_____ Insufficient sample volume

_____ Air bubbles present in VOA vials (List sample ID)

_____ Hold time expired (List sample ID)

Service Representative:

Was client notified regarding information: YES

NO

Name of Person contacted: _____

Company: _____

Service Representative: _____

Date: _____

Last Revised 08/22/03