ANALYTICAL REPORT

JOB NUMBER: 210038

Prepared For:

ERM
520 Broad Hollow Road
Suite 210
Melville, NY 11747

Project: RAECO PRODUCTS

Attention: Andy Coenen

Date: 07/27/2005

Signature

Name: William D. Goodman

Title: Project Manager

E-Mail: wgoodman@stl-inc.com

July 28, 2005
Date

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

This Report Contains (384) Pages

SEVERN TRENT STL

STL Report : 210038
ERM

Case Narrative

Sample Receipt – All samples were received in good condition and at the proper temperature.

Organic Extraction - Samples were extracted according to method 3510C. No problems were encountered.

Metals – ICAP metals were determined by ICP using a TJA61E Trace ICAP and mercury was determined by using a Perkin Elmer FIMS mercury analyzer following USEPA ILMO4.1 SOW.

Volatile Organics – Volatile organics were determined by purge and trap GC/MS using USEPA CLP Protocols, OLC02.1.

Sample Calculation:

Sample ID – SW-03
Compound – Acetone

$$\frac{(6767 \text{ area})(125 \text{ ng})(1)}{(551612 \text{ area})(.051 \text{ area/ng})(25 \text{ ml})} = 1.20 = 1 \text{ ug/L.}$$

The percent difference for methylene chloride was outside did not meet QC criteria for the continuing calibration, V5829, analyzed on 7/9/05 at 10:46 due to laboratory contamination.

Semi-Volatile Organics - Semi-volatile organic samples were analyzed by capillary GC/MS according to NYSDEC OLC2.1 Protocols. The instrumentation used was a Hewlett-Packard Gas Chromatograph interfaced with a Mass Selective Detector.

For OLC2.1, a 1ul injection was used for all samples and standards. The instrument was calibrated at 5ng/ul, 10 ng/ul, 20ng/ul, 50ng/ul and 80ng/ul with the exception of compounds 2,4,5-trichlorophenol, 2-nitroaniline, 3-nitroaniline, 2,4-dinitrophenol, 4-nitrophenol, 4-nitroaniline, 4,6-dinitro-2-methylphenol and pentachlorophenol calibrated at 20/50/80/100/120 ng/ul. Internal standards were added to all samples and standards were at 20ng/ul.

Due to the implementation of an electronic pressure controlled method a secondary ion (63) was used for the quantitation of Bis(2-chloroethyl)ether. A non-target compound, aniline (quant ion 93), was determined to coelute with Bis(2-chloroethyl)ether with this new method. Quantitation using the secondary ion ensures correct integration and quantitation of both compounds.

The RPD for the compounds, n-nitroso-di-n-propylamine and hexachloroethane, was above acceptance criteria for SW-01MS/MSD.

Sample DUP062905 exhibited internal standard area suppression. The sample was re-analyzed with similar results confirming matrix interference. One set of results has been reported

Sample Calculation:

Sample ID – SW-02
Compound – 2-fluorophenol

$$\frac{(440595\text{Area})(20\text{ng})(1000\text{ul})}{(207745\text{Area})(1.122\text{Area/ng})(1\text{ul})(1000\text{ml})} = 37.8 = 38\text{ug/l}$$

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative.

SAMPLE INFORMATION
Date: 07/27/2005

Job Number.: 210038
Customer...: ERM
Attn.....: Andy Coenen

Project Number.....: 20001495
Customer Project ID....: RAECO PRODUCTS
Project Description....: Raeco Products

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
210038-1	SW-03	Water	06/29/2005	10:40	06/30/2005	10:00
210038-2	SW-02	Water	06/29/2005	10:55	06/30/2005	10:00
210038-3	SW-01	Water	06/29/2005	11:10	06/30/2005	10:00
210038-4	DUP062905	Water	06/29/2005	13:00	06/30/2005	10:00
210038-5	TRIP BLANK	Water	06/29/2005	00:00	06/30/2005	10:00

STL-Connecticut

Job Number: 210038

LABORATORY TEST RESULTS

Date:07/25/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: SW-03
Date Sampled.....: 06/29/2005
Time Sampled.....: 10:40
Sample Matrix.....: Water

Laboratory Sample ID: 210038-1
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
OLC02.1	CLP Volatile Organics											
	Chloromethane	0.2	J		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Vinyl chloride	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Bromomethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Chloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	1,1-Dichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Carbon disulfide	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Acetone	1	J	B	0.1	5	1.00000	ug/L	51442		07/09/05 1554	pam
	Methylene chloride	1	J	B	0.1	2	1.00000	ug/L	51442		07/09/05 1554	pam
	trans-1,2-Dichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	1,1-Dichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	cis-1,2-Dichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	2-Butanone (MEK)	ND	U		0.1	5	1.00000	ug/L	51442		07/09/05 1554	pam
	Bromochloromethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Chloroform	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	1,1,1-Trichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Carbon tetrachloride	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Benzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	1,2-Dichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Trichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	1,2-Dichloropropane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Bromodichloromethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	cis-1,3-Dichloropropene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.1	5	1.00000	ug/L	51442		07/09/05 1554	pam
	Toluene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	trans-1,3-Dichloropropene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	1,1,2-Trichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Tetrachloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	2-Hexanone	ND	U		0.1	5	1.00000	ug/L	51442		07/09/05 1554	pam

* In Description = Dry Wgt.

STL-Connecticut

Job Number: 210038

LABORATORY TEST RESULTS

Date:07/25/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: SW-03
Date Sampled.....: 06/29/2005
Time Sampled.....: 10:40
Sample Matrix.....: Water

Laboratory Sample ID: 210038-1
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	1,2-Dibromoethane (EDB)	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Chlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Ethylbenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Styrene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Bromoform	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Xylenes (total)	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	1,3-Dichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	1,4-Dichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	1,2-Dichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	1,2-Dibromo-3-chloropropane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	1,2,4-Trichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam

Tn Description = Dry Wgt.

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW-03

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Lab Sample ID: 210038-1 Date Received: 06/30/05

Lab File ID: V5838 Date Analyzed: 07/09/05

Purge Volume: 25 (mL) Dilution Factor: 1.0

GC Column: RTX-VMS ID: 0.25 (mm) Length: 60 (m)

Number TICs found: 0

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC. (ug/L)	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
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29.					
30.					

STL-Connecticut

Job Number: 210038

LABORATORY TEST RESULTS

Date:07/25/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: SW-02
Date Sampled.....: 06/29/2005
Time Sampled.....: 10:55
Sample Matrix.....: Water

Laboratory Sample ID: 210038-2
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
OLC02.1	CLP Volatile Organics											
	Chloromethane	0.2	J		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Vinyl chloride	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Bromomethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Chloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	1,1-Dichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Carbon disulfide	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Acetone	1	J	B	0.1	5	1.00000	ug/L	51442		07/09/05 1623	pam
	Methylene chloride	1	J	B	0.1	2	1.00000	ug/L	51442		07/09/05 1623	pam
	trans-1,2-Dichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	1,1-Dichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	cis-1,2-Dichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	2-Butanone (MEK)	ND	U		0.1	5	1.00000	ug/L	51442		07/09/05 1623	pam
	Bromochloromethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Chloroform	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	1,1,1-Trichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Carbon tetrachloride	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Benzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	1,2-Dichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Trichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	1,2-Dichloropropane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Bromodichloromethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	cis-1,3-Dichloropropene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.1	5	1.00000	ug/L	51442		07/09/05 1623	pam
	Toluene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	trans-1,3-Dichloropropene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	1,1,2-Trichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Tetrachloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	2-Hexanone	ND	U		0.1	5	1.00000	ug/L	51442		07/09/05 1623	pam

* In Description = Dry Wgt.

Job Number: 210038

LABORATORY TEST RESULTS

Date:07/25/2005

CUSTOMER: ERM | PROJECT: RAECO PRODUCTS | ATTN: Andy Coenen

Customer Sample ID: SW-02
Date Sampled.....: 06/29/2005
Time Sampled.....: 10:55
Sample Matrix.....: Water

Laboratory Sample ID: 210038-2
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	1,2-Dibromoethane (EDB)	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Chlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Ethylbenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Styrene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Bromoform	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Xylenes (total)	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	1,3-Dichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	1,4-Dichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	1,2-Dichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	1,2-Dibromo-3-chloropropane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	1,2,4-Trichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam

* In Description = Dry Wgt.

1LCE

EPA SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SW-02

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Lab Sample ID: 210038-2 Date Received: 06/30/05

Lab File ID: V5839 Date Analyzed: 07/09/05

Purge Volume: 25 (mL) Dilution Factor: 1.0

GC Column: RTX-VMS ID: 0.25 (mm) Length: 60 (m)

Number TICs found: 0

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
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30.					

STL-Connecticut

Job Number: 210038

LABORATORY TEST RESULTS

Date:07/25/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: SW-01
Date Sampled.....: 06/29/2005
Time Sampled.....: 11:10
Sample Matrix.....: Water

Laboratory Sample ID: 210038-3
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
OLC02.1	CLP Volatile Organics											
	Chloromethane	0.2	J		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Vinyl chloride	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Bromomethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Chloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	1,1-Dichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Carbon disulfide	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Acetone	2	J	B	0.1	5	1.00000	ug/L	51442		07/09/05 1652	pam
	Methylene chloride	1	J	B	0.1	2	1.00000	ug/L	51442		07/09/05 1652	pam
	trans-1,2-Dichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	1,1-Dichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	cis-1,2-Dichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	2-Butanone (MEK)	ND	U		0.1	5	1.00000	ug/L	51442		07/09/05 1652	pam
	Bromochloromethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Chloroform	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	1,1,1-Trichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Carbon tetrachloride	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Benzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	1,2-Dichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Trichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	1,2-Dichloropropane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Bromodichloromethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	cis-1,3-Dichloropropene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.1	5	1.00000	ug/L	51442		07/09/05 1652	pam
	Toluene	0.1	J		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	trans-1,3-Dichloropropene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	1,1,2-Trichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Tetrachloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	2-Hexanone	ND	U		0.1	5	1.00000	ug/L	51442		07/09/05 1652	pam

* In Description = Dry Wgt.

Job Number: 210038

LABORATORY TEST RESULTS

Date:07/25/2005

CUSTOMER: ERM | PROJECT: RAECO PRODUCTS | ATTN: Andy Coenen

Customer Sample ID: SW-01
Date Sampled.....: 06/29/2005
Time Sampled.....: 11:10
Sample Matrix.....: Water

Laboratory Sample ID: 210038-3
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	1,2-Dibromoethane (EDB)	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Chlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Ethylbenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Styrene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Bromoform	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Xylenes (total)	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	1,3-Dichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	1,4-Dichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	1,2-Dichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	1,2-Dibromo-3-chloropropane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	1,2,4-Trichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam

* In Description = Dry Wgt.

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW-01

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Lab Sample ID: 210038-3 Date Received: 06/30/05

Lab File ID: V5840 Date Analyzed: 07/09/05

Purge Volume: 25 (mL) Dilution Factor: 1.0

GC Column: RTX-VMS ID: 0.25 (mm) Length: 60 (m)

Number TICs found: 0

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC. (ug/L)	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

STL-Connecticut

Job Number: 210038

LABORATORY TEST RESULTS

Date:07/25/2005

CUSTOMER: ERM | PROJECT: RAECO PRODUCTS | ATTN: Andy Coenen

Customer Sample ID: DUP062905
Date Sampled.....: 06/29/2005
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 210038-4
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
OLC02.1	CLP Volatile Organics											
	Chloromethane	0.3	J		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Vinyl chloride	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Bromomethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Chloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	1,1-Dichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Carbon disulfide	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Acetone	2	J	B	0.1	5	1.00000	ug/L	51442		07/09/05 1721	pam
	Methylene chloride	1	J	B	0.1	2	1.00000	ug/L	51442		07/09/05 1721	pam
	trans-1,2-Dichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	1,1-Dichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	cis-1,2-Dichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	2-Butanone (MEK)	ND	U		0.1	5	1.00000	ug/L	51442		07/09/05 1721	pam
	Bromochloromethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Chloroform	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	1,1,1-Trichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Carbon tetrachloride	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Benzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	1,2-Dichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Trichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	1,2-Dichloropropane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Bromodichloromethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	cis-1,3-Dichloropropene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.1	5	1.00000	ug/L	51442		07/09/05 1721	pam
	Toluene	0.1	J		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	trans-1,3-Dichloropropene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	1,1,2-Trichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Tetrachloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	2-Hexanone	ND	U		0.1	5	1.00000	ug/L	51442		07/09/05 1721	pam

* In Description = Dry Wgt.

Job Number: 210038

LABORATORY TEST RESULTS

Date:07/25/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: DUP062905
Date Sampled.....: 06/29/2005
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 210038-4
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	1,2-Dibromoethane (EDB)	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Chlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Ethylbenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Styrene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Bromoform	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Xylenes (total)	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	1,3-Dichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	1,4-Dichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	1,2-Dichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	1,2-Dibromo-3-chloropropane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	1,2,4-Trichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam

* In Description = Dry Wgt.

1LCE

EPA SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DUP062905

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Lab Sample ID: 210038-4 Date Received: 06/30/05

Lab File ID: V5841 Date Analyzed: 07/09/05

Purge Volume: 25 (mL) Dilution Factor: 1.0

GC Column: RTX-VMS ID: 0.25 (mm) Length: 60 (m)

Number TICs found: 0

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC. (ug/L)	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
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28.					
29.					
30.					

Job Number: 210038

LABORATORY TEST RESULTS

Date:07/25/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: TRIP BLANK
Date Sampled.....: 06/29/2005
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 210038-5
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
OLC02.1	CLP Volatile Organics											
	Chloromethane	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Vinyl chloride	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Bromomethane	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Chloroethane	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	1,1-Dichloroethene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Carbon disulfide	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Acetone	3	J	B	0.1	5	1.00000	ug/L	51441		07/07/05 2327	pam
	Methylene chloride	5		B	0.1	2	1.00000	ug/L	51441		07/07/05 2327	pam
	trans-1,2-Dichloroethene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	1,1-Dichloroethane	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	cis-1,2-Dichloroethene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	2-Butanone (MEK)	1	J		0.1	5	1.00000	ug/L	51441		07/07/05 2327	pam
	Bromochloromethane	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Chloroform	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	1,1,1-Trichloroethane	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Carbon tetrachloride	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Benzene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	1,2-Dichloroethane	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Trichloroethene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	1,2-Dichloropropane	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Bromodichloromethane	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	cis-1,3-Dichloropropene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.1	5	1.00000	ug/L	51441		07/07/05 2327	pam
	Toluene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	trans-1,3-Dichloropropene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	1,1,2-Trichloroethane	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Tetrachloroethene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	2-Hexanone	ND	U		0.1	5	1.00000	ug/L	51441		07/07/05 2327	pam

* In Description = Dry Wgt.

Job Number: 210038

LABORATORY TEST RESULTS

Date:07/25/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: TRIP BLANK
Date Sampled.....: 06/29/2005
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 210038-5
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	1,2-Dibromoethane (EDB)	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Chlorobenzene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Ethylbenzene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Styrene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Bromoform	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Xylenes (total)	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	1,3-Dichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	1,4-Dichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	1,2-Dichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	1,2-Dibromo-3-chloropropane	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	1,2,4-Trichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam

* In Description = Dry Wgt.

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Lab Sample ID: 210038-5 Date Received: 06/30/05

Lab File ID: V5788 Date Analyzed: 07/07/05

Purge Volume: 25 (mL) Dilution Factor: 1.0

GC Column: RTX-VMS ID: 0.25 (mm) Length: 60 (m)

Number TICs found: 1

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC. (ug/L)	Q
1.	75-28-5	ISOBUTANE	1.24	7.4	NJ
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

STL-Connecticut

LABORATORY TEST RESULTS

Job Number: 210038

Date:07/27/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: SW-03
Date Sampled.....: 06/29/2005
Time Sampled.....: 10:40
Sample Matrix.....: Water

Laboratory Sample ID: 210038-1
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
OLC02.1	CLP BNA Extractable Organics											
	Phenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Bis(2-chloroethyl)ether	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	2-Chlorophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	2-Methylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	2,2-oxybis (1-chloropropane)	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	4-Methylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	n-Nitroso-di-n-propylamine	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Hexachloroethane	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Nitrobenzene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Isophorone	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	2-Nitrophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	2,4-Dimethylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Bis(2-chloroethoxy)methane	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	2,4-Dichlorophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Naphthalene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	4-Chloroaniline	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Hexachlorobutadiene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	4-Chloro-3-methylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	2-Methylnaphthalene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Hexachlorocyclopentadiene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	2,4,6-Trichlorophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	2,4,5-Trichlorophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0028	jdw
	2-Chloronaphthalene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	2-Nitroaniline	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0028	jdw
	Dimethyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Acenaphthylene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	2,6-Dinitrotoluene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	3-Nitroaniline	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0028	jdw

* In Description = Dry Wgt.

Job Number: 210038

LABORATORY TEST RESULTS

Date:07/27/2005

CUSTOMER: ERM | PROJECT: RAECO PRODUCTS | ATTN: Andy Coenen

Customer Sample ID: SW-03
Date Sampled.....: 06/29/2005
Time Sampled.....: 10:40
Sample Matrix.....: Water

Laboratory Sample ID: 210038-1
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Acenaphthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	2,4-Dinitrophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0028	jdw
	4-Nitrophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0028	jdw
	Dibenzofuran	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	2,4-Dinitrotoluene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Diethyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	4-Chlorophenyl phenyl ether	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Fluorene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	4-Nitroaniline	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0028	jdw
	4,6-Dinitro-2-methylphenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0028	jdw
	n-Nitrosodiphenylamine	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	4-Bromophenyl phenyl ether	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Hexachlorobenzene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Pentachlorophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0028	jdw
	Phenanthrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Anthracene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Di-n-butyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Fluoranthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Pyrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Butyl benzyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	3,3-Dichlorobenzidine	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Benzo(a)anthracene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Chrysene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Bis(2-ethylhexyl)phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Di-n-octyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Benzo(b)fluoranthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Benzo(k)fluoranthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Benzo(a)pyrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Indeno(1,2,3-cd)pyrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw

* In Description = Dry Wgt.

Job Number: 210038

LABORATORY TEST RESULTS

Date:07/27/2005

CUSTOMER: ERM | PROJECT: RAECO PRODUCTS | ATTN: Andy Coenen

Customer Sample ID: SW-03
Date Sampled.....: 06/29/2005
Time Sampled.....: 10:40
Sample Matrix.....: Water

Laboratory Sample ID: 210038-1
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibenzo(a,h)anthracene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Benzo(ghi)perylene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw

* In Description = Dry Wgt.

1F

EPA SAMPLE NO.

SW-03

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Matrix: (soil/water) WATER Lab Sample ID: 210038-1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R9598

Level: (low/med) LOW Date Received: 06/30/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/20/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/26/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
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29.					
30.					

FORM I SV-TIC

LABORATORY TEST RESULTS

Job Number: 210038

Date:07/27/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: SW-02
Date Sampled.....: 06/29/2005
Time Sampled.....: 10:55
Sample Matrix.....: Water

Laboratory Sample ID: 210038-2
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
OLC02.1	CLP BNA Extractable Organics											
	Phenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Bis(2-chloroethyl)ether	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	2-Chlorophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	2-Methylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	2,2-oxybis (1-chloropropane)	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	4-Methylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	n-Nitroso-di-n-propylamine	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Hexachloroethane	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Nitrobenzene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Isophorone	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	2-Nitrophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	2,4-Dimethylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Bis(2-chloroethoxy)methane	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	2,4-Dichlorophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Naphthalene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	4-Chloroaniline	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Hexachlorobutadiene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	4-Chloro-3-methylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	2-Methylnaphthalene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Hexachlorocyclopentadiene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	2,4,6-Trichlorophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	2,4,5-Trichlorophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0101	jdw
	2-Chloronaphthalene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	2-Nitroaniline	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0101	jdw
	Dimethyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Acenaphthylene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	2,6-Dinitrotoluene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	3-Nitroaniline	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0101	jdw

* In Description = Dry Wgt.

STL-Connecticut

Job Number: 210038

LABORATORY TEST RESULTS

Date:07/27/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: SW-02
Date Sampled.....: 06/29/2005
Time Sampled.....: 10:55
Sample Matrix.....: Water

Laboratory Sample ID: 210038-2
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Acenaphthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	2,4-Dinitrophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0101	jdw
	4-Nitrophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0101	jdw
	Dibenzofuran	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	2,4-Dinitrotoluene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Diethyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	4-Chlorophenyl phenyl ether	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Fluorene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	4-Nitroaniline	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0101	jdw
	4,6-Dinitro-2-methylphenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0101	jdw
	n-Nitrosodiphenylamine	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	4-Bromophenyl phenyl ether	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Hexachlorobenzene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Pentachlorophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0101	jdw
	Phenanthrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Anthracene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Di-n-butyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Fluoranthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Pyrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Butyl benzyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	3,3-Dichlorobenzidine	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Benzo(a)anthracene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Chrysene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Bis(2-ethylhexyl)phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Di-n-octyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Benzo(b)fluoranthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Benzo(k)fluoranthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Benzo(a)pyrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Indeno(1,2,3-cd)pyrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw

* In Description = Dry Wgt.

Job Number: 210038

LABORATORY TEST RESULTS

Date:07/27/2005

CUSTOMER: ERM | PROJECT: RAECO PRODUCTS | ATTN: Andy Coenen

Customer Sample ID: SW-02
Date Sampled.....: 06/29/2005
Time Sampled.....: 10:55
Sample Matrix.....: Water

Laboratory Sample ID: 210038-2
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibenzo(a,h)anthracene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Benzo(ghi)perylene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw

* In Description = Dry Wgt.

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SW-02

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Matrix: (soil/water) WATER Lab Sample ID: 210038-2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R9599

Level: (low/med) LOW Date Received: 06/30/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/20/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/26/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
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FORM I SV-TIC

STL-Connecticut

Job Number: 210038

LABORATORY TEST RESULTS

Date:07/27/2005

CUSTOMER: ERM | PROJECT: RAECO PRODUCTS | ATTN: Andy Coenen

Customer Sample ID: SW-01
Date Sampled.....: 06/29/2005
Time Sampled.....: 11:10
Sample Matrix.....: Water

Laboratory Sample ID: 210038-3
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
OLC02.1	CLP BNA Extractable Organics											
	Phenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Bis(2-chloroethyl)ether	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	2-Chlorophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	2-Methylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	2,2-oxybis (1-chloropropane)	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	4-Methylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	n-Nitroso-di-n-propylamine	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Hexachloroethane	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Nitrobenzene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Isophorone	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	2-Nitrophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	2,4-Dimethylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Bis(2-chloroethoxy)methane	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	2,4-Dichlorophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Naphthalene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	4-Chloroaniline	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Hexachlorobutadiene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	4-Chloro-3-methylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	2-Methylnaphthalene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Hexachlorocyclopentadiene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	2,4,6-Trichlorophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	2,4,5-Trichlorophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0133	jdw
	2-Chloronaphthalene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	2-Nitroaniline	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0133	jdw
	Dimethyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Acenaphthylene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	2,6-Dinitrotoluene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	3-Nitroaniline	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0133	jdw

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* In Description = Dry Wgt.

Job Number: 210038

LABORATORY TEST RESULTS

Date:07/27/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: SW-01
Date Sampled.....: 06/29/2005
Time Sampled.....: 11:10
Sample Matrix.....: Water

Laboratory Sample ID: 210038-3
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Acenaphthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	2,4-Dinitrophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0133	jdw
	4-Nitrophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0133	jdw
	Dibenzofuran	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	2,4-Dinitrotoluene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Diethyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	4-Chlorophenyl phenyl ether	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Fluorene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	4-Nitroaniline	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0133	jdw
	4,6-Dinitro-2-methylphenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0133	jdw
	n-Nitrosodiphenylamine	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	4-Bromophenyl phenyl ether	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Hexachlorobenzene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Pentachlorophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0133	jdw
	Phenanthrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Anthracene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Di-n-butyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Fluoranthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Pyrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Butyl benzyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	3,3-Dichlorobenzidine	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Benzo(a)anthracene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Chrysene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Bis(2-ethylhexyl)phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Di-n-octyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Benzo(b)fluoranthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Benzo(k)fluoranthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Benzo(a)pyrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Indeno(1,2,3-cd)pyrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 210038

Date:07/27/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: SW-01
Date Sampled.....: 06/29/2005
Time Sampled.....: 11:10
Sample Matrix.....: Water

Laboratory Sample ID: 210038-3
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibenzo(a,h)anthracene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Benzo(ghi)perylene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw

* In Description = Dry Wgt.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW-01

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Matrix: (soil/water) WATER Lab Sample ID: 210038-3

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R9600

Level: (low/med) LOW Date Received: 06/30/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/20/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/26/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
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30.					

FORM I SV-TIC

STL-Connecticut

Job Number: 210038

LABORATORY TEST RESULTS

Date:07/27/2005

CUSTOMER: ERM | PROJECT: RAECO PRODUCTS | ATTN: Andy Coenen

Customer Sample ID: DUP062905
Date Sampled.....: 06/29/2005
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 210038-4
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
OLC02.1	CLP BNA Extractable Organics											
	Phenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Bis(2-chloroethyl)ether	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	2-Chlorophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	2-Methylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	2,2-oxybis (1-chloropropane)	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	4-Methylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	n-Nitroso-di-n-propylamine	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Hexachloroethane	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Nitrobenzene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Isophorone	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	2-Nitrophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	2,4-Dimethylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Bis(2-chloroethoxy)methane	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	2,4-Dichlorophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Naphthalene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	4-Chloroaniline	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Hexachlorobutadiene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	4-Chloro-3-methylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	2-Methylnaphthalene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Hexachlorocyclopentadiene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	2,4,6-Trichlorophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	2,4,5-Trichlorophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0312	jdw
	2-Chloronaphthalene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	2-Nitroaniline	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0312	jdw
	Dimethyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Acenaphthylene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	2,6-Dinitrotoluene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	3-Nitroaniline	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0312	jdw

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* In Description = Dry Wgt.

STL-Connecticut

Job Number: 210038

LABORATORY TEST RESULTS

Date:07/27/2005

CUSTOMER: ERM | PROJECT: RAECO PRODUCTS | ATTN: Andy Coenen

Customer Sample ID: DUP062905
Date Sampled.....: 06/29/2005
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 210038-4
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Acenaphthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	2,4-Dinitrophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0312	jdw
	4-Nitrophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0312	jdw
	Dibenzofuran	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	2,4-Dinitrotoluene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Diethyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	4-Chlorophenyl phenyl ether	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Fluorene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	4-Nitroaniline	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0312	jdw
	4,6-Dinitro-2-methylphenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0312	jdw
	n-Nitrosodiphenylamine	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	4-Bromophenyl phenyl ether	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Hexachlorobenzene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Pentachlorophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0312	jdw
	Phenanthrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Anthracene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Di-n-butyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Fluoranthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Pyrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Butyl benzyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	3,3-Dichlorobenzidine	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Benzo(a)anthracene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Chrysene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Bis(2-ethylhexyl)phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Di-n-octyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Benzo(b)fluoranthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Benzo(k)fluoranthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Benzo(a)pyrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Indeno(1,2,3-cd)pyrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw

* In Description = Dry Wgt.

Job Number: 210038

LABORATORY TEST RESULTS

Date:07/27/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: DUP062905
Date Sampled.....: 06/29/2005
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 210038-4
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibenzo(a,h)anthracene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Benzo(ghi)perylene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw

* In Description = Dry Wgt.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUP062905

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Matrix: (soil/water) WATER Lab Sample ID: 210038-4

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R9603

Level: (low/med) LOW Date Received: 06/30/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/20/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/26/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	7.01	2	J
2.					
3.					
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FORM I SV-TIC

U.S. EPA - CLP

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.
SW-03

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code: STLCT CASE No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATERNY Total Lab Sample ID: 210038-1

Level (low/med): _____ Date Received: 06/30/2005

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	174	B		P
7440-36-0	Antimony	5.1	U		P
7440-38-2	Arsenic	5.4	U		P
7440-39-3	Barium	45.7	B		P
7440-41-7	Beryllium	0.90	U		P
7440-43-9	Cadmium	1.2	U		P
7440-70-2	Calcium	72900			P
7440-47-3	Chromium	1.3	U		P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	3.0	B		P
7439-89-6	Iron	294			P
7439-92-1	Lead	3.3	U		P
7439-95-4	Magnesium	15300			P
7439-96-5	Manganese	65.8			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	1.3	U		P
7440-09-7	Potassium	2540	B		P
7782-49-2	Selenium	6.7	U		P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	30800			P
7440-28-0	Thallium	13.3	U		P
7440-62-2	Vanadium	1.3	U		P
7440-66-6	Zinc	6.3	B		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILMO4.0

U.S. EPA - CLP

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-02

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code: STLCT CASE No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATERNY Total Lab Sample ID: 210038-2

Level (low/med): _____ Date Received: 06/30/2005

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	315			P
7440-36-0	Antimony	5.1	U		P
7440-38-2	Arsenic	5.4	U		P
7440-39-3	Barium	46.4	B		P
7440-41-7	Beryllium	0.90	U		P
7440-43-9	Cadmium	1.2	U		P
7440-70-2	Calcium	73200			P
7440-47-3	Chromium	1.3	U		P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	2.4	B		P
7439-89-6	Iron	547			P
7439-92-1	Lead	3.3	U		P
7439-95-4	Magnesium	15400			P
7439-96-5	Manganese	63.7			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	1.4	B		P
7440-09-7	Potassium	2590	B		P
7782-49-2	Selenium	6.7	U		P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	30900			P
7440-28-0	Thallium	13.3	U		P
7440-62-2	Vanadium	1.3	U		P
7440-66-6	Zinc	6.2	B		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILMO4.0

U.S. EPA - CLP

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-01

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code: STLCT CASE No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATERNY Total Lab Sample ID: 210038-3

Level (low/med): _____ Date Received: 06/30/2005

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	337			P
7440-36-0	Antimony	5.1	U		P
7440-38-2	Arsenic	5.4	U		P
7440-39-3	Barium	48.4	B		P
7440-41-7	Beryllium	0.90	U		P
7440-43-9	Cadmium	1.2	U		P
7440-70-2	Calcium	76300			P
7440-47-3	Chromium	1.3	U		P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	2.6	B		P
7439-89-6	Iron	588			P
7439-92-1	Lead	3.3	U		P
7439-95-4	Magnesium	16000			P
7439-96-5	Manganese	68.8			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	1.9	B		P
7440-09-7	Potassium	2730	B		P
7782-49-2	Selenium	6.7	U		P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	32100			P
7440-28-0	Thallium	13.3	U		P
7440-62-2	Vanadium	1.3	U		P
7440-66-6	Zinc	6.6	B		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILMO4.0

U.S. EPA - CLP

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP062905

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code: STLCT CASE No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATERNY Total Lab Sample ID: 210038-4

Level (low/med): _____ Date Received: 06/30/2005

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	315			P
7440-36-0	Antimony	5.1	U		P
7440-38-2	Arsenic	5.4	U		P
7440-39-3	Barium	48.5	B		P
7440-41-7	Beryllium	0.90	U		P
7440-43-9	Cadmium	1.2	U		P
7440-70-2	Calcium	76500			P
7440-47-3	Chromium	1.3	U		P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	2.9	B		P
7439-89-6	Iron	553			P
7439-92-1	Lead	3.3	U		P
7439-95-4	Magnesium	16100			P
7439-96-5	Manganese	70.6			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	1.4	B		P
7440-09-7	Potassium	2740	B		P
7782-49-2	Selenium	6.7	U		P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	32300			P
7440-28-0	Thallium	13.3	U		P
7440-62-2	Vanadium	1.3	U		P
7440-66-6	Zinc	21.2			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

_____

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LABORATORY CHRONICLE

Job Number: 210038 Date: 07/27/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

Lab ID: 210038-1 Client ID: SW-03 Date Recvd: 06/30/2005 Sample Date: 06/29/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
OLC02.1	CLP BNA Extractable Organics	1	52165	51992	07/26/2005	0028	1.00000
ILM04.0	CLP Mercury Analysis (CVAA)	1	51181	51134	07/08/2005	1625	1.0000
ILM04.0	CLP Metals Analysis (ICAP)	1	51382	51225	07/12/2005	1049	
ILM04.0	CLP Metals Digestion (CVAA)	1	51134		07/07/2005	1143	
ILM04.0	CLP Metals Digestion (ICAP)	1	51225		07/11/2005	0951	
OLC02.1	CLP Volatile Organics	1	51442	51315	07/09/2005	1554	1.00000
OLC (25 mL)	OLC 25 mL Purge Prep	1	51315				
OLC02.1	OLC BNA Extraction	1	51992		07/20/2005	0000	

Lab ID: 210038-2 Client ID: SW-02 Date Recvd: 06/30/2005 Sample Date: 06/29/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
OLC02.1	CLP BNA Extractable Organics	1	52165	51992	07/26/2005	0101	1.00000
ILM04.0	CLP Mercury Analysis (CVAA)	1	51181	51134	07/08/2005	1626	1.0000
ILM04.0	CLP Metals Analysis (ICAP)	1	51382	51225	07/12/2005	1055	
ILM04.0	CLP Metals Digestion (CVAA)	1	51134		07/07/2005	1234	
ILM04.0	CLP Metals Digestion (ICAP)	1	51225		07/11/2005	1017	
OLC02.1	CLP Volatile Organics	1	51442	51315	07/09/2005	1623	1.00000
OLC (25 mL)	OLC 25 mL Purge Prep	1	51315				
OLC02.1	OLC BNA Extraction	1	51992		07/20/2005	0000	

Lab ID: 210038-3 Client ID: SW-01 Date Recvd: 06/30/2005 Sample Date: 06/29/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
OLC02.1	CLP BNA Extractable Organics	1	52165	51992	07/26/2005	0133	1.00000
ILM04.0	CLP Mercury Analysis (CVAA)	1	51181	51134	07/08/2005	1627	1.0000
ILM04.0	CLP Metals Analysis (ICAP)	1	51382	51225	07/12/2005	1101	
ILM04.0	CLP Metals Digestion (CVAA)	1	51134		07/07/2005	1326	
ILM04.0	CLP Metals Digestion (ICAP)	1	51225		07/11/2005	1043	
OLC02.1	CLP Volatile Organics	1	51442	51315	07/09/2005	1652	1.00000
OLC (25 mL)	OLC 25 mL Purge Prep	1	51315				
OLC02.1	OLC BNA Extraction	1	51992		07/20/2005	0000	

Lab ID: 210038-4 Client ID: DUP062905 Date Recvd: 06/30/2005 Sample Date: 06/29/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
OLC02.1	CLP BNA Extractable Organics	1	52165	51992	07/26/2005	0312	1.00000
ILM04.0	CLP Mercury Analysis (CVAA)	1	51181	51134	07/08/2005	1632	1.0000
ILM04.0	CLP Metals Analysis (ICAP)	1	51382	51225	07/12/2005	1132	
ILM04.0	CLP Metals Digestion (CVAA)	1	51134		07/07/2005	1600	
ILM04.0	CLP Metals Digestion (ICAP)	1	51225		07/11/2005	1200	
OLC02.1	CLP Volatile Organics	1	51442	51315	07/09/2005	1721	1.00000
OLC (25 mL)	OLC 25 mL Purge Prep	1	51315				
OLC02.1	OLC BNA Extraction	1	51992		07/20/2005	0000	

Lab ID: 210038-5 Client ID: TRIP BLANK Date Recvd: 06/30/2005 Sample Date: 06/29/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
OLC02.1	CLP Volatile Organics	1	51441	51301	07/07/2005	2327	1.00000
OLC (25 mL)	OLC 25 mL Purge Prep	1	51301				

SURROGATE RECOVERIES REPORT

Job Number.: 210038 Report Date.: 07/14/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

Method.....: CLP Volatile Organics Method Code...: OLCVOA Prep Batch....: 51301
Batch(s).....: 51441 Test Matrix...: Water Equipment Code: MSV

Lab ID	DT	Sample ID	Date	BRFLBE
LCS-51301-2			07/07/2005	101
MB-51301-1			07/07/2005	96
210038- 5		TRIP BLANK	07/07/2005	95

Test	Test Description	Limits
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120

Method.....: CLP Volatile Organics Method Code...: OLCVOA Prep Batch....: 51311
Batch(s).....: 51442 Test Matrix...: Water Equipment Code: MSV

Lab ID	DT	Sample ID	Date	BRFLBE
LCS-51311-2			07/08/2005	101
MB-51311-1			07/08/2005	92
210038- 3	MS	SW-01	07/08/2005	98
210038- 3	MSD	SW-01	07/08/2005	103

Test	Test Description	Limits
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120

Method.....: CLP Volatile Organics Method Code...: OLCVOA Prep Batch....: 51315
Batch(s).....: 51442 Test Matrix...: Water Equipment Code: MSV

Lab ID	DT	Sample ID	Date	BRFLBE
LCS-51315-2			07/09/2005	95
MB-51315-1			07/09/2005	82
210038- 1		SW-03	07/09/2005	88
210038- 2		SW-02	07/09/2005	87
210038- 3		SW-01	07/09/2005	88
210038- 3	MSB	SW-01	07/09/2005	97
210038- 4		DUP062905	07/09/2005	88

Test	Test Description	Limits
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120

QUALITY CONTROL RESULTS

Job Number.: 210038

Report Date.: 07/14/2005

CUSTOMER: ERM | PROJECT: RABCO PRODUCTS | ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V05FWRK012	210038-3		07/08/2005	2017

Test Method.....: OLC02.1
Method Description.: CLP Volatile Organics

Equipment Code....: MSV
Batch.....: 51442

Analyst...: pam

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Vinyl chloride	ug/L	4.95		5.00	0.10	U	99		60-140	
Carbon tetrachloride	ug/L	4.68		5.00	0.10	U	94		60-140	
Benzene	ug/L	4.87		5.00	0.10	U	97		60-140	
1,2-Dichloroethane	ug/L	4.36		5.00	0.10	U	87		60-140	
Trichloroethene	ug/L	4.79		5.00	0.10	U	96		60-140	
1,2-Dichloropropane	ug/L	4.66		5.00	0.10	U	93		60-140	
cis-1,3-Dichloropropene	ug/L	3.20		5.00	0.10	U	64		60-140	
1,1,2-Trichloroethane	ug/L	4.07		5.00	0.10	U	81		60-140	
Tetrachloroethene	ug/L	4.95		5.00	0.10	U	99		60-140	
1,2-Dibromoethane (EDB)	ug/L	4.04		5.00	0.10	U	81		60-140	
Bromoform	ug/L	3.83		5.00	0.10	U	77		60-140	
1,4-Dichlorobenzene	ug/L	4.47		5.00	0.10	U	89		60-140	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 210038

Report Date.: 07/14/2005

CUSTOMER: ERM | PROJECT: RABCO PRODUCTS | ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: OLC02.1
Method Description.: CLP Volatile Organics

Equipment Code....: MSV
Batch.....: 51442

Analyst...: pam

MSD	Matrix Spike Duplicate	V05FWRK012	210038-3			07/08/2005 2043

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Vinyl chloride	ug/L	5.37	4.95	5.00	0.10	U	107 8		60-140 20	
Carbon tetrachloride	ug/L	4.83	4.68	5.00	0.10	U	97 3		60-140 20	
Benzene	ug/L	5.03	4.87	5.00	0.10	U	101 3		60-140 20	
1,2-Dichloroethane	ug/L	4.79	4.36	5.00	0.10	U	96 10		60-140 20	
Trichloroethene	ug/L	4.88	4.79	5.00	0.10	U	98 2		60-140 20	
1,2-Dichloropropane	ug/L	4.92	4.66	5.00	0.10	U	98 5		60-140 20	
cis-1,3-Dichloropropene	ug/L	3.45	3.20	5.00	0.10	U	69 8		60-140 20	
1,1,2-Trichloroethane	ug/L	4.44	4.07	5.00	0.10	U	89 9		60-140 20	
Tetrachloroethene	ug/L	5.08	4.95	5.00	0.10	U	102 3		60-140 20	
1,2-Dibromoethane (EDB)	ug/L	4.32	4.04	5.00	0.10	U	86 7		60-140 20	
Bromoform	ug/L	3.91	3.83	5.00	0.10	U	78 2		60-140 20	
1,4-Dichlorobenzene	ug/L	4.78	4.47	5.00	0.10	U	96 7		60-140 20	

Page 21 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 210038

Report Date.: 07/14/2005

CUSTOMER: ERM | PROJECT: RABCO PRODUCTS | ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: OLC02.1
Method Description.: CLP Volatile Organics

Equipment Code....: MSV
Batch.....: 51442

Analyst...: pam

MSB	Matrix Spike Blank	V05FWRK012	210038-3		07/09/2005	1327

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride	ug/L	4.82		5.00	0.10 U	96		60-140	
Carbon tetrachloride	ug/L	4.80		5.00	0.10 U	96		60-140	
Benzene	ug/L	4.84		5.00	0.10 U	97		60-140	
1,2-Dichloroethane	ug/L	5.24		5.00	0.10 U	105		60-140	
Trichloroethene	ug/L	4.58		5.00	0.10 U	92		60-140	
1,2-Dichloropropane	ug/L	5.03		5.00	0.10 U	101		60-140	
cis-1,3-Dichloropropene	ug/L	5.04		5.00	0.10 U	101		60-140	
1,1,2-Trichloroethane	ug/L	4.80		5.00	0.10 U	96		60-140	
Tetrachloroethene	ug/L	4.66		5.00	0.10 U	93		60-140	
1,2-Dibromoethane (EDB)	ug/L	5.26		5.00	0.10 U	105		60-140	
Bromoform	ug/L	5.10		5.00	0.10 U	102		60-140	
1,4-Dichlorobenzene	ug/L	4.88		5.00	0.10 U	98		60-140	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 210038 Report Date.: 07/14/2005

CUSTOMER: ERM PROJECT: RADCO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: OLC02.1 Equipment Code....: MSV Analyst...: pam
Method Description.: CLP Volatile Organics Batch.....: 51441

LCS	Laboratory Control Sample	V05FWRK012	51301-002		07/07/2005 2208

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride	ug/L	4.16		5.00		83	%	60-140	
Carbon tetrachloride	ug/L	4.26		5.00		85	%	60-140	
Benzene	ug/L	4.32		5.00		86	%	60-140	
1,2-Dichloroethane	ug/L	4.48		5.00		90	%	60-140	
Trichloroethene	ug/L	4.39		5.00		88	%	60-140	
1,2-Dichloropropane	ug/L	4.42		5.00		88	%	60-140	
cis-1,3-Dichloropropene	ug/L	4.29		5.00		86	%	60-140	
1,1,2-Trichloroethane	ug/L	4.79		5.00		96	%	60-140	
Tetrachloroethene	ug/L	4.26		5.00		85	%	60-140	
1,2-Dibromoethane (EDB)	ug/L	5.83		5.00		117	%	60-140	
Bromoform	ug/L	4.26		5.00		85	%	60-140	
1,4-Dichlorobenzene	ug/L	5.57		5.00		111	%	60-140	

Page 13 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 210038

Report Date.: 07/14/2005

CUSTOMER: ERM | PROJECT: RABCO PRODUCTS | ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05PWRK012	51311-002		07/08/2005	1022

Test Method.....: OLC02.1
Method Description.: CLP Volatile Organics

Equipment Code....: MSV
Batch.....: 51442

Analyst...: pam

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride	ug/L	4.68		5.00		94	%	60-140	
Carbon tetrachloride	ug/L	5.01		5.00		100	%	60-140	
Benzene	ug/L	5.04		5.00		101	%	60-140	
1,2-Dichloroethane	ug/L	4.49		5.00		90	%	60-140	
Trichloroethene	ug/L	4.97		5.00		99	%	60-140	
1,2-Dichloropropane	ug/L	5.30		5.00		106	%	60-140	
cis-1,3-Dichloropropene	ug/L	3.72		5.00		74	%	60-140	
1,1,2-Trichloroethane	ug/L	5.01		5.00		100	%	60-140	
Tetrachloroethene	ug/L	4.99		5.00		100	%	60-140	
1,2-Dibromoethane (EDB)	ug/L	6.23		5.00		125	%	60-140	
Bromoform	ug/L	3.86		5.00		77	%	60-140	
1,4-Dichlorobenzene	ug/L	5.68		5.00		114	%	60-140	

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* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 210038

Report Date.: 07/14/2005

CUSTOMER: ERM | PROJECT: RABCO PRODUCTS | ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: OLC02.1
Method Description.: CLP Volatile Organics

Equipment Code....: MSV
Batch.....: 51442

Analyst...: pam

LCS	Laboratory Control Sample	V05WRK012	51315-002		07/09/2005 1134

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride	ug/L	4.41		5.00		88	%	60-140	
Carbon tetrachloride	ug/L	4.66		5.00		93	%	60-140	
Benzene	ug/L	4.69		5.00		94	%	60-140	
1,2-Dichloroethane	ug/L	4.63		5.00		93	%	60-140	
Trichloroethene	ug/L	4.60		5.00		92	%	60-140	
1,2-Dichloropropane	ug/L	4.86		5.00		97	%	60-140	
cis-1,3-Dichloropropene	ug/L	3.85		5.00		77	%	60-140	
1,1,2-Trichloroethane	ug/L	4.88		5.00		98	%	60-140	
Tetrachloroethene	ug/L	4.54		5.00		91	%	60-140	
1,2-Dibromoethane (EDB)	ug/L	6.13		5.00		123	%	60-140	
Bromoform	ug/L	4.81		5.00		96	%	60-140	
1,4-Dichlorobenzene	ug/L	6.02		5.00		120	%	60-140	

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* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SURROGATE RECOVERIES REPORT

Job Number.: 210038 — Report Date.: 07/27/2005

CUSTOMER: ERM — PROJECT: RAECO PRODUCTS — ATTN: Andy Coenen

Method.....: CLP BNA Extractable Organics — Method Code...: OLCBNA — Prep Batch....: 51992
Batch(s).....: 52165 — Test Matrix...: Water — Equipment Code: MSR

Lab ID	DT	Sample ID	Date	246TBP	2FLUBP	2FLUPH	NITRD5	PHEND5	TERD14
LCS-51992-2			07/25/2005	81	71	65	76	68	99
MB-51992-1			07/25/2005	90	79	73	72	73	104
210038- 1		SW-03	07/26/2005	103	90	85	86	84	67
210038- 2		SW-02	07/26/2005	103	99	94	89	97	73
210038- 3		SW-01	07/26/2005	101	87	82	91	82	92
210038- 3	MS	SW-01	07/26/2005	91	81	75	78	78	79
210038- 3	MSB	SW-01	07/25/2005	83	78	66	70	69	100
210038- 3	MSD	SW-01	07/26/2005	105	101	91	96	91	56
210038- 4		DUP062905	07/26/2005	108	97	84	89	47	53

Test	Test Description	Limits
246TBP	2,4,6-Tribromophenol (surr)	15 - 130
2FLUBP	2-Fluorobiphenyl (surr)	30 - 115
2FLUPH	2-Fluorophenol (surr)	15 - 121
NITRD5	Nitrobenzene-d5 (surr)	23 - 120
PHEND5	Phenol-d5 (surr)	15 - 115
TERD14	Terphenyl-d14 (surr)	18 - 140

QUALITY CONTROL RESULTS

Job Number.: 210038 — Report Date.: 07/27/2005

CUSTOMER: ERM — PROJECT: RAECO PRODUCTS — ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	E05PSPK014	51992 -002		07/25/2005	2322

Test Method.....: OLC02.1 — Equipment Code....: MSR — Analyst...: jdw
Method Description.: CLP BNA Extractable Organics — Batch.....: 52165

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol	ug/L	27.65		40.00	0.50	U 69	%	40-120	
Bis(2-chloroethyl)ether	ug/L	13.59		20.00	0.50	U 68	%	50-110	
2-Chlorophenol	ug/L	27.76		40.00	0.50	U 69	%	50-110	
n-Nitroso-di-n-propylamine	ug/L	13.09		20.00	0.50	U 65	%	30-110	
Hexachloroethane	ug/L	12.05		20.00	0.50	U 60	%	20-110	
Isophorone	ug/L	15.02		20.00	0.50	U 75	%	50-110	
Naphthalene	ug/L	15.26		20.00	0.50	U 76	%	30-110	
4-Chloroaniline	ug/L	21.90		40.00	0.50	U 55	%	10-120	
2,4,6-Trichlorophenol	ug/L	29.74		40.00	0.50	U 74	%	40-120	
2,4-Dinitrotoluene	ug/L	14.59		20.00	0.50	U 73	%	30-120	
Diethyl phthalate	ug/L	17.38		20.00	0.50	U 87	%	50-120	
n-Nitrosodiphenylamine	ug/L	14.78		20.00	0.50	U 74	%	30-110	
Hexachlorobenzene	ug/L	15.28		20.00	0.50	U 76	%	40-120	
Benzo(a)pyrene	ug/L	18.76		20.00	0.50	U 94	%	50-120	

Page 15 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 210038

Report Date.: 07/27/2005

CUSTOMER: EFM | PROJECT: RABCO PRODUCTS | ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	E05PSPK014	210038-3		07/26/2005	0207

Test Method.....: OLC02.1
Method Description.: CLP BNA Extractable Organics

Equipment Code....: MSR
Batch.....: 52165

Analyst...: jdw

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol	ug/L	30.54		40.00	0.50	U 76		40-120	
Bis(2-chloroethyl)ether	ug/L	15.33		20.00	0.50	U 77		50-110	
2-Chlorophenol	ug/L	34.07		40.00	0.50	U 85		50-110	
n-Nitroso-di-n-propylamine	ug/L	14.93		20.00	0.50	U 75		30-110	
Hexachloroethane	ug/L	13.29		20.00	0.50	U 66		20-110	
Isophorone	ug/L	14.82		20.00	0.50	U 74		50-110	
Naphthalene	ug/L	17.04		20.00	0.50	U 85		30-110	
4-Chloroaniline	ug/L	18.74		40.00	0.50	U 47		10-120	
2,4,6-Trichlorophenol	ug/L	35.16		40.00	0.50	U 88		40-120	
2,4-Dinitrotoluene	ug/L	16.60		20.00	0.50	U 83		30-120	
Diethyl phthalate	ug/L	19.72		20.00	0.50	U 99		50-120	
n-Nitrosodiphenylamine	ug/L	16.97		20.00	0.50	U 85		30-110	
Hexachlorobenzene	ug/L	15.64		20.00	0.50	U 78		40-120	
Benzo(a)pyrene	ug/L	13.27		20.00	0.50	U 66		50-120	

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* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 210038 — Report Date.: 07/27/2005

CUSTOMER: ERM — PROJECT: RABCO PRODUCTS — ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSB	Matrix Spike Blank	E05FSPK014	210038-3		07/25/2005	2255

Test Method.....: OLC02.1
Method Description.: CLP BNA Extractable Organics

Equipment Code....: MSR
Batch.....: 52165

Analyst...: jdw

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol	ug/L	28.20		40.00	0.50	U 71		40-120	
Bis(2-chloroethyl)ether	ug/L	14.52		20.00	0.50	U 73		50-110	
2-Chlorophenol	ug/L	32.46		40.00	0.50	U 81		50-110	
n-Nitroso-di-n-propylamine	ug/L	14.08		20.00	0.50	U 70		30-110	
Hexachloroethane	ug/L	12.75		20.00	0.50	U 64		20-110	
Isophorone	ug/L	13.48		20.00	0.50	U 67		50-110	
Naphthalene	ug/L	15.63		20.00	0.50	U 78		30-110	
4-Chloroaniline	ug/L	19.63		40.00	0.50	U 49		10-120	
2,4,6-Trichlorophenol	ug/L	30.68		40.00	0.50	U 77		40-120	
2,4-Dinitrotoluene	ug/L	16.09		20.00	0.50	U 80		30-120	
Diethyl phthalate	ug/L	18.87		20.00	0.50	U 94		50-120	
n-Nitrosodiphenylamine	ug/L	17.34		20.00	0.50	U 87		30-110	
Hexachlorobenzene	ug/L	17.47		20.00	0.50	U 87		40-120	
Benzo(a)pyrene	ug/L	19.80		20.00	0.50	U 99		50-120	

Page 19 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 210038 Report Date.: 07/27/2005

CUSTOMER: ERM PROJECT: RABCO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	E05PSPK014	210038-3		07/26/2005	0239

Test Method.....: OLC02.1 Equipment Code....: MSR Analyst...: jdw
Method Description.: CLP BNA Extractable Organics Batch.....: 52165

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol	ug/L	36.38	30.54	40.00	0.50 U	91 17		40-120 20	
Bis(2-chloroethyl)ether	ug/L	17.00	15.33	20.00	0.50 U	85 10		50-110 20	
2-Chlorophenol	ug/L	39.74	34.07	40.00	0.50 U	99 15		50-110 20	
n-Nitroso-di-n-propylamine	ug/L	18.72	14.93	20.00	0.50 U	94 23		30-110 20	*
Hexachloroethane	ug/L	17.39	13.29	20.00	0.50 U	87 27		20-110 20	*
Isophorone	ug/L	17.47	14.82	20.00	0.50 U	87 16		50-110 20	
Naphthalene	ug/L	20.25	17.04	20.00	0.50 U	101 17		30-110 20	
4-Chloroaniline	ug/L	21.86	18.74	40.00	0.50 U	55 15		10-120 20	
2,4,6-Trichlorophenol	ug/L	41.36	35.16	40.00	0.50 U	103 16		40-120 20	
2,4-Dinitrotoluene	ug/L	18.19	16.60	20.00	0.50 U	91 9		30-120 20	
Diethyl phthalate	ug/L	22.34	19.72	20.00	0.50 U	112 12		50-120 20	
n-Nitrosodiphenylamine	ug/L	18.36	16.97	20.00	0.50 U	92 8		30-110 20	
Hexachlorobenzene	ug/L	18.75	15.64	20.00	0.50 U	94 18		40-120 20	
Benzo(a)pyrene	ug/L	14.19	13.27	20.00	0.50 U	71 7		50-120 20	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

U. S. EPA - CLP

3
BLANKS

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code: STLCT CASE No:___ SAS No.: _____ SDG No.: _____

Preparation Blank Matrix (soil/water): water

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	19.4	U	19.4	U	19.4	U	19.4	U	19.4	U	P
Antimony	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U	P
Arsenic	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	P
Barium	0.9	U	0.9	U	0.9	U	0.9	U	1.5	B	P
Beryllium	0.9	U	0.9	U	0.9	U	0.9	U	0.9	U	P
Cadmium	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	P
Calcium	21.0	U	21.0	U	21.0	U	21.0	U	21.0	U	P
Chromium	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	P
Cobalt	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	P
Copper	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	P
Iron	15.8	U	15.8	U	15.8	U	15.8	U	15.8	U	P
Lead	3.3	U	3.3	U	3.3	U	3.3	U	3.3	U	P
Magnesium	8.7	U	8.7	U	8.7	U	8.7	U	8.7	U	P
Manganese	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	P
Mercury	0.1	U	0.1	U	0.1	U			0.2	U	CV
Nickel	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	P
Potassium	242.0	U	242.0	U	242.0	U	242.0	U	242.0	U	P
Selenium	6.7	U	6.7	U	6.7	U	6.7	U	6.7	U	P
Silver	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	P
Sodium	23.3	U	23.3	U	23.3	U	23.3	U	23.3	U	P
Thallium	13.3	U	13.3	U	13.3	U	13.3	U	13.3	U	P
Vanadium	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	P
Zinc	2.8	U	2.8	U	2.8	U	2.8	U	6.2	B	P

U. S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SW-01S

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code: STLCT CASE No: ____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): Water Level (low/med): _____

% Solids for Sample: _____

Concentration Units (ug/L or mg/Kg dry weight): ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	933.4157		336.5417		600.00	99.5		P
Antimony	75-125	97.6111		5.1000	U	100.00	97.6		P
Arsenic	75-125	42.5291		5.4000	U	40.00	106.3		P
Barium	75-125	654.6918		48.4058	B	600.00	101.0		P
Beryllium	75-125	16.4985		0.9000	U	15.00	110.0		P
Cadmium	75-125	49.8731		1.2000	U	50.00	99.7		P
Calcium		83892.2812		76279.7734		10000.00	76.1		P
Chromium	75-125	63.3205		1.3000	U	60.00	105.5		P
Cobalt	75-125	151.8337		1.3000	U	150.00	101.2		P
Copper	75-125	79.5260		2.5658	B	75.00	102.6		P
Iron	75-125	951.6443		587.5779		300.00	121.4		P
Lead	75-125	18.9637		3.3000	U	20.00	94.8		P
Magnesium	75-125	27094.9180		16046.4932		10000.00	110.5		P
Manganese	75-125	223.7208		68.8360		150.00	103.2		P
Mercury	75-125	1.9862		0.2000	U	2.00	99.3		CV
Nickel	75-125	155.5118		1.9350	B	150.00	102.4		P
Potassium	75-125	13846.6992		2728.5361	B	10000.00	111.2		P
Selenium	75-125	56.8779		6.7000	U	50.00	113.8		P
Silver	75-125	14.0835		1.1000	U	15.00	93.9		P
Sodium	75-125	43097.9805		32101.4688		10000.00	110.0		P
Thallium	75-125	52.1721		13.3000	U	50.00	104.3		P
Vanadium	75-125	150.8462		1.3000	U	150.00	100.6		P
Zinc	75-125	172.8189		6.6275	B	150.00	110.8		P

Comments:

6
DUPLICATES

EPA SAMPLE NO.

SW-01D

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code: STLCT CASE No:___ SAS No.: _____ SDG No.: _____

Matrix (soil/water): Water Level (low/med): _____

% Solids for Sample: _____ % Solids for Duplicate: _____

Concentration Units (ug/L or mg/Kg dry weight): ug/L

Analyte	Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum	200	336.5417		335.9109		0.2		P
Antimony		5.1000	U	5.1000	U			P
Arsenic		5.4000	U	5.4000	U			P
Barium		48.4058	B	48.4251	B	0.0		P
Beryllium		0.9000	U	0.9000	U			P
Cadmium		1.2000	U	1.2000	U			P
Calcium		76279.7734		74296.0859		2.6		P
Chromium		1.3000	U	1.3000	U			P
Cobalt		1.3000	U	1.3000	U			P
Copper		2.5658	B	2.5081	B	2.3		P
Iron		587.5779		568.2751		3.3		P
Lead		3.3000	U	3.3000	U			P
Magnesium	5000	16046.4932		15718.4287		2.1		P
Manganese	15	68.8360		67.3869		2.1		P
Mercury		0.2000	U	0.2000	U			CV
Nickel		1.9350	B	1.3782	B	33.6		P
Potassium		2728.5361	B	2656.9224	B	2.6		P
Selenium		6.7000	U	6.7000	U			P
Silver		1.1000	U	1.1000	U			P
Sodium		32101.4688		31475.6367		2.0		P
Thallium		13.3000	U	13.3000	U			P
Vanadium		1.3000	U	1.3000	U			P
Zinc		6.6275	B	11.8621	B	56.6		P

U. S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code: STLCT CASE No:___ SAS No.: _____ SDG No.: _____

Solid LCS Source: _____

Aqueous LCS Source: M05FLCS003

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum	6000.0	5868.57	97.8						
Antimony	1000.0	995.73	99.6						
Arsenic	1000.0	1018.63	101.9						
Barium	300.0	296.76	98.9						
Beryllium	100.0	108.36	108.4						
Cadmium	300.0	299.99	100.0						
Calcium	30000.0	30084.85	100.3						
Chromium	300.0	299.07	99.7						
Cobalt	300.0	297.52	99.2						
Copper	300.0	298.13	99.4						
Iron	25000.0	25475.24	101.9						
Lead	1000.0	988.62	98.9						
Magnesium	15000.0	14978.92	99.8						
Manganese	200.0	200.76	100.4						
Mercury									
Nickel	300.0	301.72	100.6						
Potassium	20000.0	17756.19	88.8						
Selenium	500.0	539.68	107.9						
Silver	300.0	290.36	96.8						
Sodium	30000.0	30729.94	102.4						
Thallium	1000.0	985.57	98.6						
Vanadium	300.0	299.23	99.7						
Zinc	300.0	307.14	102.4						

7
LABORATORY CONTROL SAMPLE

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code: STLCT CASE No: ___ SAS No.: _____ SDG No.: _____

Solid LCS Source: _____

Aqueous LCS Source: M04JSTK001

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury	8.0	7.17	89.6						
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									

9

ICP SERIAL DILUTIONS

EPA SAMPLE NO.

SW-01

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code:STLCT CASE No:____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): Water Level (low/med): _____

Concentration Units:ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	336.54		350.78	B	4.2		P
Antimony	5.10	U	25.50	U			P
Arsenic	5.40	U	27.00	U			P
Barium	48.40	B	48.55	B	0.3		P
Beryllium	0.90	U	4.50	U			P
Cadmium	1.20	U	6.00	U			P
Calcium	76279.77		77080.86		1.0		P
Chromium	1.30	U	6.50	U			P
Cobalt	1.30	U	6.50	U			P
Copper	2.56	B	6.50	U	100.0		P
Iron	587.58		600.68		2.2		P
Lead	3.30	U	16.50	U			P
Magnesium	16046.49		15800.39	B	1.5		P
Manganese	68.84		70.97	B	3.1		P
Mercury							NR
Nickel	1.94	B	6.50	U	100.0		P
Potassium	2728.54	B	2330.12	B	14.6		P
Selenium	6.70	U	33.50	U			P
Silver	1.10	U	5.50	U			P
Sodium	32101.47		30746.34		4.2		P
Thallium	13.30	U	66.50	U			P
Vanadium	1.30	U	6.50	U			P
Zinc	6.63	B	34.04	B	413.4		P

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.

3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 10604
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviation

Inorganic Qualifiers (Q-Column)

U Analyte was not detected at or above the reporting limit.
< Not detected at or above the reporting limit.
J Result is less than the RL, but greater than or equal to the method detection limit.
B Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S Result was determined by the Method of Standard Additions.

Inorganic Flags (Flag Column)

^ ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed th upper or lower control limits.
* LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+ MSA correlation coefficient is less than 0.995.
4 MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E SD: Serial dilution exceeds the control limits.
H MB, EB: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N MS, MSD: Spike recovery exceeds the upper or lower control limits.
W PS: Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U Analyte was not detected at or above the reporting limit.
ND Compound not detected.
J Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q Result was qualitatively confirmed, but not quantified.
C Pesticide identification was confirmed by GC/MS.
Y The chromatographic response resembles a typical fuel pattern.
Z The chromatographic response does not resemble a typical fuel pattern.
E Result exceeded calibration range, secondary dilution required.

Organic Flags (Flags Column)

^ MB,EB, MLE: Batch QC is greater than reporting limit.
* LCS, LCD, CCV, MS, MSD, Surrogate, RS:Batch QC exceeds the upper or lower control limits.
A Concentration exceeds the instrument calibration range or below the reporting limit.
B Compound was found in the blank.
D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H Alternate peak selection upon analytical review
I Indicates the presence of an interfence, recovery is not calculated.
M Manually integrated compound.
P The lower of the two values is reported when the % difference between the results of two GC columns is greater than 25%.

Abbreviations

Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation Analysis
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
Dil Fac	Dilution Factor
DL	Secondary dilution and analysis
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB	Extraction Blank
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A
ISB	Interference Check Sample B
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
Lab ID	An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PACK	Packed Column
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PS	Post Spike
PSD	Post Spike Duplicate
RA	Re-analysis
RE	Re-extraction and analysis
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RS	Reference Standard
RT	Retention Time
RTW	Retention Time Window
SampleID	A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution
UCB	Unseeded Control Blank

One or a combination of these data qualifiers and abbreviations may appear in the analytical report.

STL-Connecticut
Certification Summary (as of May 2005)

The laboratory identification numbers for the STL-Connecticut laboratory are provided in the following table. Many states certify laboratories for specific parameters or tests within a category (i.e. method 325.2 for wastewater). The information in the following table indicates the lab is certified in a general category of testing such as drinking water or wastewater analysis. The laboratory should be contacted directly if parameter-specific certification information is required.

State	Responsible Agency	Certification	Expiration Date	Lab Number
Connecticut	Department of Health Services	Drinking Water, Wastewater	12/31/06	PH-0497
Maine	Department of Health and Environmental Services	Drinking Water, Wastewater/Solid, Hazardous Waste	04/18/06	CT023
Massachusetts	Department of Environmental Protection	Potable/Non-Potable Water	06/30/05	CT023
New Hampshire	Department of Environmental Services	Drinking Water, Wastewater	08/29/05	2528
New Jersey	Department of Environmental Protection	Drinking Water, Wastewater	06/30/05	CT410
New York	Department of Health	CLP, Drinking Water, Wastewater, Solid/ Hazardous Waste **NELAC**	04/01/06	10602
Rhode Island	Department of Health	Chemistry...Non- Potable Water and Wastewater	12/30/05	A43
Utah	Department of Health	RCRA	05/31/05	2032614458

MISCELLANEOUS DOCUMENTS

Chain of Custody Record

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
Tel: 203-929-8140

(1) 1.0 °C
(2) 2.0 °C
(3) 1.7 °C

SEVERN TRENT **STL**
Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: ERM	Project Manager: QA/QC contact: Andy Coenen	Date: 6/28/05	Chain of Custody Number: 02859
Address: 1159 Pittsford-Victor Road Suite 200	Telephone Number (Area Code)/Fax Number: Phone: 631-756-8900	Lab Number:	Page 1 of 1
City: Pittsford	State: NY	Zip Code: 14534	Site Contact: Jeremy Wolf	Lab Contact: Bill Goodman
Project Name and Location (State): Former Raeco Products RI/FS Roch, NY	Carrier/Waybill Number: Fed Ex #: 8524 5562 1847	
Contract/Purchase Order/Quote No.: ERM PO # 0021427 Phase 2		

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	TCLP VOC	TCLP SVOC	TCLP AREA Metals	Reactivity, Sulfide	Corrosivity, Flamm	VOC aqueous	SVOC aqueous	Metals TAL (unfiltered)	Special Instructions/ Conditions of Receipt
WC-02	6/28/05	1005				X	X						X	X	X	X	X				Waste Characterization Sample
WC-01	6/28/05	1040		X		X	X						X	X	X	X	X				Waste Characterization Sample
SW-03	6/29/05	1040		X			X		X	X								X	X	X	
SW-02	6/29/05	1055		X			X		X	X								X	X	X	All VOC samples in cooler w/ trip blank
SW-01 MS/MSD	6/29/05	1110		X			X		X	X								X	X	X	
DUP062905	6/29/05	1300		X			X		X	X								X	X	X	
TRIP BLANK																		/			

07/17/2005

210038
ERM
ANDY COENEN
RAECO PRODUCTS

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other STD

QC Requirements (Specify)

1. Relinquished By: Jeremy Wolf	Jeremy Wolf	Date: 6/29/05	Time: 1400	1. Received By:	Date: 6/30/05	Time: 1000
2. Relinquished By		Date	Time	2. Received By	Date	Time
3. Relinquished By		Date	Time	3. Received By	Date	Time

Comments: Electronic Deliverable to Andy.Coenen@ERM.com Report to: Andy Coenen, ERM, 520 Broadhollow Road, Suite 210 Melville, NY 11747

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Page 3

rpjsckl | Job Sample Receipt Checklist Report | V2

Job Number.: 210038 Location.: 57207 Check List Number.: 1 Description.:
Customer Job ID.....: Job Check List Date.: Date of the Report..: 06/30/2005
Project Number.: 20001495 Project Description.: Raeco Products Project Manager.....: wdg
Customer.....: ERM Contact.: Andy Coenen

Questions ?	(Y/N)	Comments
Chain-of-Custody Present?	Y	
...If "yes", completed properly?	Y	
Custody seal on shipping container?	Y	
...If "yes", custody seal intact?	Y	
Custody seals on sample containers?	N	
...If "yes", custody seal intact?		
Samples iced?	Y	
Temperature of cooler acceptable? (4 deg C +/- 2).	Y	1.8C,2.0C,1.7C
Samples received intact (good condition)?	Y	
Volatile samples acceptable? (no headspace)	Y	
Correct containers used?	Y	
Adequate sample volume provided?	Y	
Samples preserved correctly?	Y	
Samples received within holding-time?	Y	
Agreement between COC and sample labels?	Y	
Radioactivity at or below background levels?	Y	
A Sample Discrepancy Report (SDR) was needed?	N	
Comments		
If samples were shipped was there an air bill #?	Y	FE
Sample Custodian Signature/Date	Y	6/30/08

Page 1

STL-Connecticut

STL/CT PRESERVATIVE RECORD

210038

07/17/2005

ERM
ANDY COENEN
RAECO PRODUCTS

Lab Number	Preservative	pH	Adjustment	PH after Adjustment	Chlorine Residual	Initials	Date
210038-01	HNO3	<2	NA	NA	NA	CC	06/30/05
02		<2					
03		<2					
03		<2					
03		<2					
04	HNO3	<2	NA	NA	NA	CC	06/30/05
					06/30/05		

STL Form# SMF00203.CT

STL-Connecticut

STL - Connecticut
Internal Chain-of-Custody

210038

07/17/2005

ERM
ANDY COENEN
RAECO PRODUCTS

Trip Blank: 05

QC: 03 Air: —

FB: —

Soil: — Water: 01-05

Date Received: 06/30/05

Sample #s: 01-05

Locations: 87A, 35N

Laboratory Sample #	Relinquished by	Accepted by	Date	Time	Reason	Relinquished by	Accepted by	Date	Time
1-4+3ac	CC	SBW	07/01/05	17:10	EXT	used			
1-4	CC	MM	7/7/05	10:15	Neg	MM	CC	7/8	14:00
1-5	CC	D.M.	7/7/05	21:00	VOA	Used			
1-4	CC	D.M.	7/8/05	13:15	VOA	Used			
1-4	CC	D.M.	7/9/05	14:15	VOA	Used			
1-4	CC	SR	7/11	8:30	mH	SR	CC	7/11	11:00
01-04+3ac	KB	SBW	07/20/05	13:50	EXT	used			

STL Form# SMF00507.CT

Fraction: BNA / Pesticide-PCB / Herbicide / O/P Pesticide / DRO / Other (Circle one) CLIENT: ERM

JOB NO: 210038

SAMPLE IN (Extractions)					SAMPLE IN (Extractions)				
Sample(s)	Date	Time	Sign.	Location	Sample(s)	Date	Time	Sign.	Location
1-4	7/22	10:30	RL	36					

SAMPLE OUT					SAMPLE IN			
Sample(s)	Date	Time	Code	Sign.	Date	Time	Location	Sign.
01-04	07/24	1630	AN	EM	07/24	1715	36	EM
01-04	07/25	1930	AN	EM	07/25	2130	36	EM
4	7/26	9:00	AN	KW	7/26	10:00	36	KW

Codes: SC = Screening AN = Analysis

Verified By: [signature] Date: 7-27-05

Lab Form: SMF01201.CT

SEVERN TRENT STL

CHAIN OF CUSTODY
ATOMIC SPECTROSCOPY DEPARTMENT

Job Number: 210038 Sample Numbers: 1 - 4

WATER - SOIL - SLUDGE - TCLP/SPLP

I confirm that I have performed the preparation below following SOP guidelines and authorize the release of the preparation:

Sample Prep:

SR	7/11/05	ICP
Chemist	7/7/05 Date(s)	Mercury

I confirm that I have performed the analysis below following SOP guidelines and authorize the release of all associated data:

Analysis:

	7/12/05	ICP
Chemist	7/8/05 Date(s)	Mercury

I have reviewed and authorized the release of the job:

Complete: _____ Supervisor 7/10/05 Date

QAF02600.CT

SDG NARRATIVE

STL Report : 210038
ERM

Case Narrative

Sample Receipt – All samples were received in good condition and at the proper temperature.

Organic Extraction - Samples were extracted according to method 3510C. No problems were encountered.

Metals – ICAP metals were determined by ICP using a TJA61E Trace ICAP and mercury was determined by using a Perkin Elmer FIMS mercury analyzer following USEPA ILMO4.1 SOW.

Volatile Organics – Volatile organics were determined by purge and trap GC/MS using USEPA CLP Protocols, OLC02.1.

Sample Calculation:

Sample ID – SW-03
Compound – Acetone

$\frac{(6767 \text{ area})(125 \text{ ng})(1)}{(551612 \text{ area})(.051 \text{ area/ng})(25 \text{ ml})} = 1.20 = 1 \text{ ug/L.}$

The percent difference for methylene chloride was outside did not meet QC criteria for the continuing calibration, V5829, analyzed on 7/9/05 at 10:46 due to laboratory contamination.

Semi-Volatile Organics - Semi-volatile organic samples were analyzed by capillary GC/MS according to NYSDEC OLC2.1 Protocols. The instrumentation used was a Hewlett-Packard Gas Chromatograph interfaced with a Mass Selective Detector.

For OLC2.1, a 1ul injection was used for all samples and standards. The instrument was calibrated at 5ng/ul, 10 ng/ul, 20ng/ul, 50ng/ul and 80ng/ul with the exception of compounds 2,4,5-trichlorophenol, 2-nitroaniline, 3-nitroaniline, 2,4-dinitrophenol, 4-nitrophenol, 4-nitroaniline, 4,6-dinitro-2-methylphenol and pentachlorophenol calibrated at 20/50/80/100/120 ng/ul. Internal standards were added to all samples and standards were at 20ng/ul.

Due to the implementation of an electronic pressure controlled method a secondary ion (63) was used for the quantitation of Bis(2-chloroethyl)ether. A non-target compound, aniline (quant ion 93), was determined to coelute with Bis(2-chloroethyl)ether with this new method. Quantitation using the secondary ion ensures correct integration and quantitation of both compounds.

The RPD for the compounds, n-nitroso-di-n-propylamine and hexachloroethane, was above acceptance criteria for SW-01MS/MSD.

Sample DUP062905 exhibited internal standard area suppression. The sample was re-analyzed with similar results confirming matrix interference. One set of results has been reported

Sample Calculation:

Sample ID – SW-02
Compound – 2-fluorophenol

$$\frac{(440595\text{Area})(20\text{ng})(1000\text{ul})}{(207745\text{Area})(1.122\text{Area/ng})(1\text{ul})(1000\text{ml})} = 37.8 = 38\text{ug/l}$$

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative.

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Peter Frick
Laboratory Director

July 28, 2005
Date

SURROGATE RECOVERIES REPORT

Job Number.: 210038 Report Date.: 07/14/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

Method.....: CLP Volatile Organics Method Code...: OLCVOA Prep Batch.....: 51301
Batch(s).....: 51441 Test Matrix...: Water Equipment Code: MSV

Lab ID	DT	Sample ID	Date	BRFLBE
LCS-51301-2			07/07/2005	101
MB-51301-1			07/07/2005	96
210038- 5		TRIP BLANK	07/07/2005	95

Test	Test Description	Limits
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120

Method.....: CLP Volatile Organics Method Code...: OLCVOA Prep Batch.....: 51311
Batch(s).....: 51442 Test Matrix...: Water Equipment Code: MSV

Lab ID	DT	Sample ID	Date	BRFLBE
LCS-51311-2			07/08/2005	101
MB-51311-1			07/08/2005	92
210038- 3	MS	SW-01	07/08/2005	98
210038- 3	MSD	SW-01	07/08/2005	103

Test	Test Description	Limits
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120

Method.....: CLP Volatile Organics Method Code...: OLCVOA Prep Batch.....: 51315
Batch(s).....: 51442 Test Matrix...: Water Equipment Code: MSV

Lab ID	DT	Sample ID	Date	BRFLBE
LCS-51315-2			07/09/2005	95
MB-51315-1			07/09/2005	82
210038- 1		SW-03	07/09/2005	88
210038- 2		SW-02	07/09/2005	87
210038- 3		SW-01	07/09/2005	88
210038- 3	MSB	SW-01	07/09/2005	97
210038- 4		DUP062905	07/09/2005	88

Test	Test Description	Limits
BRFLBE	4-Bromofluorobenzene (surr)	80 - 120

QUALITY CONTROL RESULTS

Job Number.: 210038 Report Date.: 07/14/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V05FWRK012	210038-3		07/08/2005	2017

Test Method.....: OLC02.1 Equipment Code....: MSV Analyst...: pam
Method Description..: CLP Volatile Organics Batch.....: 51442

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride	ug/L	4.95		5.00	0.10 U	99		60-140	
Carbon tetrachloride	ug/L	4.68		5.00	0.10 U	94		60-140	
Benzene	ug/L	4.87		5.00	0.10 U	97		60-140	
1,2-Dichloroethane	ug/L	4.36		5.00	0.10 U	87		60-140	
Trichloroethene	ug/L	4.79		5.00	0.10 U	96		60-140	
1,2-Dichloropropane	ug/L	4.66		5.00	0.10 U	93		60-140	
cis-1,3-Dichloropropene	ug/L	3.20		5.00	0.10 U	64		60-140	
1,1,2-Trichloroethane	ug/L	4.07		5.00	0.10 U	81		60-140	
Tetrachloroethene	ug/L	4.95		5.00	0.10 U	99		60-140	
1,2-Dibromoethane (EDB)	ug/L	4.04		5.00	0.10 U	81		60-140	
Bromoform	ug/L	3.83		5.00	0.10 U	77		60-140	
1,4-Dichlorobenzene	ug/L	4.47		5.00	0.10 U	89		60-140	

Page 19 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 210038 Report Date.: 07/14/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V05FWRK012	210038-3		07/08/2005	2043

Test Method.....: OLC02.1 Equipment Code....: MSV Analyst...: pam
Method Description.: CLP Volatile Organics Batch.....: 51442

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Vinyl chloride	ug/L	5.37	4.95	5.00	0.10	U	107 8		60-140 20	
Carbon tetrachloride	ug/L	4.83	4.68	5.00	0.10	U	97 3		60-140 20	
Benzene	ug/L	5.03	4.87	5.00	0.10	U	101 3		60-140 20	
1,2-Dichloroethane	ug/L	4.79	4.36	5.00	0.10	U	96 10		60-140 20	
Trichloroethene	ug/L	4.88	4.79	5.00	0.10	U	98 2		60-140 20	
1,2-Dichloropropane	ug/L	4.92	4.66	5.00	0.10	U	98 5		60-140 20	
cis-1,3-Dichloropropene	ug/L	3.45	3.20	5.00	0.10	U	69 8		60-140 20	
1,1,2-Trichloroethane	ug/L	4.44	4.07	5.00	0.10	U	89 9		60-140 20	
Tetrachloroethene	ug/L	5.08	4.95	5.00	0.10	U	102 3		60-140 20	
1,2-Dibromoethane (EDB)	ug/L	4.32	4.04	5.00	0.10	U	86 7		60-140 20	
Bromoform	ug/L	3.91	3.83	5.00	0.10	U	78 2		60-140 20	
1,4-Dichlorobenzene	ug/L	4.78	4.47	5.00	0.10	U	96 7		60-140 20	

Page 21 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 210038 Report Date.: 07/14/2005

CUSTOMER: ERM PROJECT: RABCO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSB	Matrix Spike Blank	V05FWRK012	210038-3		07/09/2005	1327

Test Method.....: OLC02.1 Equipment Code....: MSV Analyst...: pam
Method Description.: CLP Volatile Organics Batch.....: 51442

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride	ug/L	4.82		5.00	0.10 U	96		60-140	
Carbon tetrachloride	ug/L	4.80		5.00	0.10 U	96		60-140	
Benzene	ug/L	4.84		5.00	0.10 U	97		60-140	
1,2-Dichloroethane	ug/L	5.24		5.00	0.10 U	105		60-140	
Trichloroethene	ug/L	4.58		5.00	0.10 U	92		60-140	
1,2-Dichloropropane	ug/L	5.03		5.00	0.10 U	101		60-140	
cis-1,3-Dichloropropene	ug/L	5.04		5.00	0.10 U	101		60-140	
1,1,2-Trichloroethane	ug/L	4.80		5.00	0.10 U	96		60-140	
Tetrachloroethene	ug/L	4.66		5.00	0.10 U	93		60-140	
1,2-Dibromoethane (EDB)	ug/L	5.26		5.00	0.10 U	105		60-140	
Bromoform	ug/L	5.10		5.00	0.10 U	102		60-140	
1,4-Dichlorobenzene	ug/L	4.88		5.00	0.10 U	98		60-140	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 210038 Report Date.: 07/14/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05FWRK012	51301-002		07/07/2005	2208

Test Method.....: OLC02.1 Equipment Code....: MSV Analyst...: pam
Method Description.: CLP Volatile Organics Batch.....: 51441

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride	ug/L	4.16		5.00		83	%	60-140	
Carbon tetrachloride	ug/L	4.26		5.00		85	%	60-140	
Benzene	ug/L	4.32		5.00		86	%	60-140	
1,2-Dichloroethane	ug/L	4.48		5.00		90	%	60-140	
Trichloroethene	ug/L	4.39		5.00		88	%	60-140	
1,2-Dichloropropane	ug/L	4.42		5.00		88	%	60-140	
cis-1,3-Dichloropropene	ug/L	4.29		5.00		86	%	60-140	
1,1,2-Trichloroethane	ug/L	4.79		5.00		96	%	60-140	
Tetrachloroethene	ug/L	4.26		5.00		85	%	60-140	
1,2-Dibromoethane (EDB)	ug/L	5.83		5.00		117	%	60-140	
Bromoform	ug/L	4.26		5.00		85	%	60-140	
1,4-Dichlorobenzene	ug/L	5.57		5.00		111	%	60-140	

Page 13 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 210038 Report Date.: 07/14/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05FWRK012	51311-002		07/08/2005	1022

Test Method.....: OLC02.1 Equipment Code....: MSV Analyst...: pam
Method Description.: CLP Volatile Organics Batch.....: 51442

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride	ug/L	4.68		5.00		94	%	60-140	
Carbon tetrachloride	ug/L	5.01		5.00		100	%	60-140	
Benzene	ug/L	5.04		5.00		101	%	60-140	
1,2-Dichloroethane	ug/L	4.49		5.00		90	%	60-140	
Trichloroethene	ug/L	4.97		5.00		99	%	60-140	
1,2-Dichloropropane	ug/L	5.30		5.00		106	%	60-140	
cis-1,3-Dichloropropene	ug/L	3.72		5.00		74	%	60-140	
1,1,2-Trichloroethane	ug/L	5.01		5.00		100	%	60-140	
Tetrachloroethene	ug/L	4.99		5.00		100	%	60-140	
1,2-Dibromoethane (EDB)	ug/L	6.23		5.00		125	%	60-140	
Bromoform	ug/L	3.86		5.00		77	%	60-140	
1,4-Dichlorobenzene	ug/L	5.68		5.00		114	%	60-140	

Page 15 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 210038 Report Date.: 07/14/2005

CUSTOMER: ERM PROJECT: RASCO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05FWRK012	51315-002		07/09/2005	1134

Test Method.....: OLC02.1 Equipment Code....: MSV Analyst...: pam
Method Description.: CLP Volatile Organics Batch.....: 51442

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride	ug/L	4.41		5.00		88	%	60-140	
Carbon tetrachloride	ug/L	4.66		5.00		93	%	60-140	
Benzene	ug/L	4.69		5.00		94	%	60-140	
1,2-Dichloroethane	ug/L	4.63		5.00		93	%	60-140	
Trichloroethene	ug/L	4.60		5.00		92	%	60-140	
1,2-Dichloropropane	ug/L	4.86		5.00		97	%	60-140	
cis-1,3-Dichloropropene	ug/L	3.85		5.00		77	%	60-140	
1,1,2-Trichloroethane	ug/L	4.88		5.00		98	%	60-140	
Tetrachloroethene	ug/L	4.54		5.00		91	%	60-140	
1,2-Dibromoethane (EDB)	ug/L	6.13		5.00		123	%	60-140	
Bromoform	ug/L	4.81		5.00		96	%	60-140	
1,4-Dichlorobenzene	ug/L	6.02		5.00		120	%	60-140	

Page 16 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

EPA SAMPLE NO.

51301-1MB

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Lab Sample ID: 51301-1MB Date Analyzed: 07/07/05

Lab File ID: V5787 Time Analyzed: 2247

Instrument ID: MSV

GC Column: RTX-VMS ID: 0.25 (mm) Length: 60 (m)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND LCS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	51301-2LCS	51301-2LCS	V5786	2208
02	TRIP BLANK	210038-5	V5788	2327
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
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14				
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COMMENTS: _____

LOW CONC. WATER VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

51311-1MB

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Lab Sample ID: 51311-1MB Date Analyzed: 07/08/05

Lab File ID: V5810 Time Analyzed: 1103

Instrument ID: MSV

GC Column: RTX-VMS ID: 0.25 (mm) Length: 60 (m)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND LCS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	51311-2LCS	51311-2LCS	V5809	1022
02	SW-01MS	210038-3MS	V5826	2017
03	SW-01MSD	210038-3MSD	V5827	2043
04				
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COMMENTS:

LOW CONC. WATER VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

51315-1MB

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Lab Sample ID: 51315-1MB Date Analyzed: 07/09/05

Lab File ID: V5832 Time Analyzed: 1244

Instrument ID: MSV

GC Column: RTX-VMS ID: 0.25 (mm) Length: 60 (m)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND LCS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	51315-2LCS	51315-2LCS	V5830	1134
02	SW-01	210038-3MSB	V5833	1327
03	SW-03	210038-1	V5838	1554
04	SW-02	210038-2	V5839	1623
05	SW-01	210038-3	V5840	1652
06	DUP062905	210038-4	V5841	1721
07				
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COMMENTS:

5LCA

LOW CONC. WATER VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Lab File ID: VB432 BFB Injection Date: 07/07/05

Instrument ID: MSV BFB Injection Time: 1327

GC Column: RTX-624 ID: 0.53 (mm) Length: 105 (m)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.7
75	30.0 - 60.0% of mass 95	45.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.8 (0.9)1
174	50.0 - 100.0% of mass 95	87.2
175	5.0 - 9.0% of mass 174	6.0 (6.8)1
176	95.0 - 101.0% of mass 174	84.8 (97.2)1
177	5.0 - 9.0% of mass 176	5.4 (6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, LCS, LES, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001VQ	VSTD001VQ	V5779	07/07/05	1656
02	VSTD002VR	VSTD002VR	V5780	07/07/05	1726
03	VSTD005VS	VSTD005VS	V5781	07/07/05	1755
04	VSTD010VT	VSTD010VT	V5782	07/07/05	1824
05	VSTD025VU	VSTD025VU	V5783	07/07/05	1854
06					
07					
08					
09					
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5LCA

LOW CONC. WATER VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Lab File ID: VB434 BFB Injection Date: 07/07/05

Instrument ID: MSV BFB Injection Time: 2118

GC Column: RTX-624 ID: 0.53 (mm) Length: 105 (m)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.7
75	30.0 - 60.0% of mass 95	43.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.6 (0.7)1
174	50.0 - 100.0% of mass 95	85.6
175	5.0 - 9.0% of mass 174	6.0 (7.0)1
176	95.0 - 101.0% of mass 174	83.2 (97.2)1
177	5.0 - 9.0% of mass 176	5.5 (6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, LCS, LES, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005VV	VSTD005VV	V5785	07/07/05	2128
02	51301-2LCS	51301-2LCS	V5786	07/07/05	2208
03	51301-1MB	51301-1MB	V5787	07/07/05	2247
04	TRIP BLANK	210038-5	V5788	07/07/05	2327
05					
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5LCA

LOW CONC. WATER VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Lab File ID: VB435 BFB Injection Date: 07/08/05

Instrument ID: MSV BFB Injection Time: 0912

GC Column: RTX-624 ID: 0.53 (mm) Length: 105 (m)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.5
75	30.0 - 60.0% of mass 95	44.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.2 (0.3)1
174	50.0 - 100.0% of mass 95	79.9
175	5.0 - 9.0% of mass 174	6.1 (7.6)1
176	95.0 - 101.0% of mass 174	76.8 (96.0)1
177	5.0 - 9.0% of mass 176	5.1 (6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, LCS, LES, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005VW	VSTD005VW	V5808	07/08/05	0929
02	51311-2LCS	51311-2LCS	V5809	07/08/05	1022
03	51311-1MB	51311-1MB	V5810	07/08/05	1103
04	SW-01MS	210038-3MS	V5826	07/08/05	2017
05	SW-01MSD	210038-3MSD	V5827	07/08/05	2043
06					
07					
08					
09					
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5LCA

LOW CONC. WATER VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Lab File ID: VB436 BFB Injection Date: 07/09/05

Instrument ID: MSV BFB Injection Time: 1030

GC Column: RTX-624 ID: 0.53 (mm) Length: 105 (m)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of mass 95	21.1	
75	30.0 - 60.0% of mass 95	43.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.4	
173	Less than 2.0% of mass 174	0.4	(0.5)1
174	50.0 - 100.0% of mass 95	81.4	
175	5.0 - 9.0% of mass 174	5.6	(6.9)1
176	95.0 - 101.0% of mass 174	79.5	(97.7)1
177	5.0 - 9.0% of mass 176	5.1	(6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, LCS, LES, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005VX	VSTD005VX	V5829	07/09/05	1046
02	51315-2LCS	51315-2LCS	V5830	07/09/05	1134
03	51315-1MB	51315-1MB	V5832	07/09/05	1244
04	SW-01	210038-3MSB	V5833	07/09/05	1327
05	SW-03	210038-1	V5838	07/09/05	1554
06	SW-02	210038-2	V5839	07/09/05	1623
07	SW-01	210038-3	V5840	07/09/05	1652
08	DUP062905	210038-4	V5841	07/09/05	1721
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

8LCA

LOW CONC. WATER VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Lab File ID (Standard): V5785 Date Analyzed: 07/07/05

Instrument ID: MSV Time Analyzed: 2128

GC Column: RTX-VMS ID: 0.25 (mm) Length: 60 (m)

		IS1(DFB) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	1249023	4.79	953396	7.43	472134	9.86
	UPPER LIMIT	1748632	5.12	1334754	7.76	660988	10.19
	LOWER LIMIT	749414	4.46	572038	7.10	283280	9.53
	EPA SAMPLE NO.						
01	51301-2LCS	1232457	4.79	950146	7.43	466588	9.86
02	51301-1MB	1102538	4.79	877812	7.43	387960	9.86
03	TRIP BLANK	1070518	4.79	860055	7.43	386984	9.86
04							
05							
06							
07							
08							
09							
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18							
19							
20							
21							
22							

IS1 (DFB) = 1,4-Difluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Column used to flag internal standard area and RT values with an asterisk.
* Values outside of QC limits.

8LCA

LOW CONC. WATER VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Lab File ID (Standard): V5808 Date Analyzed: 07/08/05

Instrument ID: MSV Time Analyzed: 0929

GC Column: RTX-VMS ID: 0.25 (mm) Length: 60 (m)

		IS1(DFB) AREA #		IS2(CBZ) AREA #		IS3(DCB) AREA #	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	691600	4.79	464161	7.43	211008	9.87
	UPPER LIMIT	968240	5.12	649825	7.76	295411	10.20
	LOWER LIMIT	414960	4.46	278497	7.10	126605	9.54
	EPA SAMPLE NO.						
01	51311-2LCS	734004	4.79	463208	7.43	240082	9.86
02	51311-1MB	494373	4.79	399909	7.43	146786	9.87
03	SW-01MS	701566	4.79	478837	7.43	209623	9.87
04	SW-01MSD	735605	4.79	527366	7.43	237681	9.86
05							
06							
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17							
18							
19							
20							
21							
22							

IS1 (DFB) = 1,4-Difluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Column used to flag internal standard area and RT values with an asterisk.
* Values outside of QC limits.

8LCA

LOW CONC. WATER VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Lab File ID (Standard): V5829 Date Analyzed: 07/09/05

Instrument ID: MSV Time Analyzed: 1046

GC Column: RTX-VMS ID: 0.25 (mm) Length: 60 (m)

		IS1(DFB) AREA	#	RT	#	IS2(CBZ) AREA	#	RT	#	IS3(DCB) AREA	#	RT	#
	12 HOUR STD	783308		4.79		574786		7.43		285753		9.87	
	UPPER LIMIT	1096631		5.12		804700		7.76		400054		10.20	
	LOWER LIMIT	469985		4.46		344872		7.10		171452		9.54	
	EPA SAMPLE NO.												
01	51315-2LCS	837044		4.79		593759		7.43		287080		9.86	
02	51315-1MB	605070		4.80		493153		7.43		199890		9.86	
03	SW-01	809703		4.79		607426		7.43		297912		9.86	
04	SW-03	551612		4.80		472284		7.43		182285		9.86	
05	SW-02	560195		4.80		466343		7.43		176619		9.87	
06	SW-01	556109		4.80		460930		7.43		179652		9.87	
07	DUP062905	551447		4.80		459193		7.43		183661		9.87	
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS1 (DFB) = 1,4-Difluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Column used to flag internal standard area and RT values with an asterisk.
* Values outside of QC limits.

STL-Connecticut

LABORATORY TEST RESULTS

Job Number: 210038

Date:07/25/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: SW-03
Date Sampled.....: 06/29/2005
Time Sampled.....: 10:40
Sample Matrix.....: Water

Laboratory Sample ID: 210038-1
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
OLC02.1	CLP Volatile Organics											
	Chloromethane	0.2	J		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Vinyl chloride	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Bromomethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Chloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	1,1-Dichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Carbon disulfide	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Acetone	1	J	B	0.1	5	1.00000	ug/L	51442		07/09/05 1554	pam
	Methylene chloride	1	J	B	0.1	2	1.00000	ug/L	51442		07/09/05 1554	pam
	trans-1,2-Dichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	1,1-Dichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	cis-1,2-Dichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	2-Butanone (MEK)	ND	U		0.1	5	1.00000	ug/L	51442		07/09/05 1554	pam
	Bromochloromethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Chloroform	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	1,1,1-Trichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Carbon tetrachloride	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Benzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	1,2-Dichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Trichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	1,2-Dichloropropane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Bromodichloromethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	cis-1,3-Dichloropropene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.1	5	1.00000	ug/L	51442		07/09/05 1554	pam
	Toluene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	trans-1,3-Dichloropropene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	1,1,2-Trichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Tetrachloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	2-Hexanone	ND	U		0.1	5	1.00000	ug/L	51442		07/09/05 1554	pam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 210038 Date:07/25/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

Customer Sample ID: SW-03
Date Sampled.....: 06/29/2005
Time Sampled.....: 10:40
Sample Matrix.....: Water

Laboratory Sample ID: 210038-1
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	1,2-Dibromoethane (EDB)	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Chlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Ethylbenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Styrene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Bromoform	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	Xylenes (total)	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	1,3-Dichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	1,4-Dichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	1,2-Dichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	1,2-Dibromo-3-chloropropane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam
	1,2,4-Trichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1554	pam

* In Description = Dry Wgt.

1LCE

EPA SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SW-03

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Lab Sample ID: 210038-1 Date Received: 06/30/05

Lab File ID: V5838 Date Analyzed: 07/09/05

Purge Volume: 25 (mL) Dilution Factor: 1.0

GC Column: RTX-VMS ID: 0.25 (mm) Length: 60 (m)

Number TICs found: 0

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC. (ug/L)	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
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19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

STL-INC

Volatile Report OLC 2.1 METHOD

Data file : \\target1_ct\Files\chem\VOA\msv.i\V055829.b\V5838.D
Lab Smp Id: 210038-1 Client Smp ID: SW-03
Inj Date : 09-JUL-2005 15:54 MS Autotune Date: 10-MAY-2005 11:27
Operator : D. HUMBERT Inst ID: msv.i
Smp Info : 210038-1
Misc Info : : ;;; SW-03 ; OLC ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055829.b\VOLC21W.m
Meth Date : 25-Jul-2005 19:15 pattym Quant Type: ISTD
Cal Date : 09-JUL-2005 10:46 Cal File: V5829.D
Als bottle: 84
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	25.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	1 1,4-Difluorobenzene	114	4.796	4.790	(1.000)	551612	5.00000	
	2 Chloromethane	50	1.300	1.295	(0.271)	7798	0.16909	0.17(H)
	9 Methylene Chloride	84	2.560	2.559	(0.534)	51428	1.06611	1.1
	10 Acetone	43	2.602	2.597	(0.543)	6767	1.19323	1.2
$	21 Bromofluorobenzene	95	8.670	8.670	(1.808)	123825	4.39969	4.4
*	22 Chlorobenzene-d5	117	7.432	7.432	(1.000)	472284	5.00000	
*	45 1,4-Dichlorobenzene-d4	152	9.860	9.866	(1.000)	182285	5.00000	

QC Flag Legend

H - Operator selected an alternate compound hit.

STL-INC

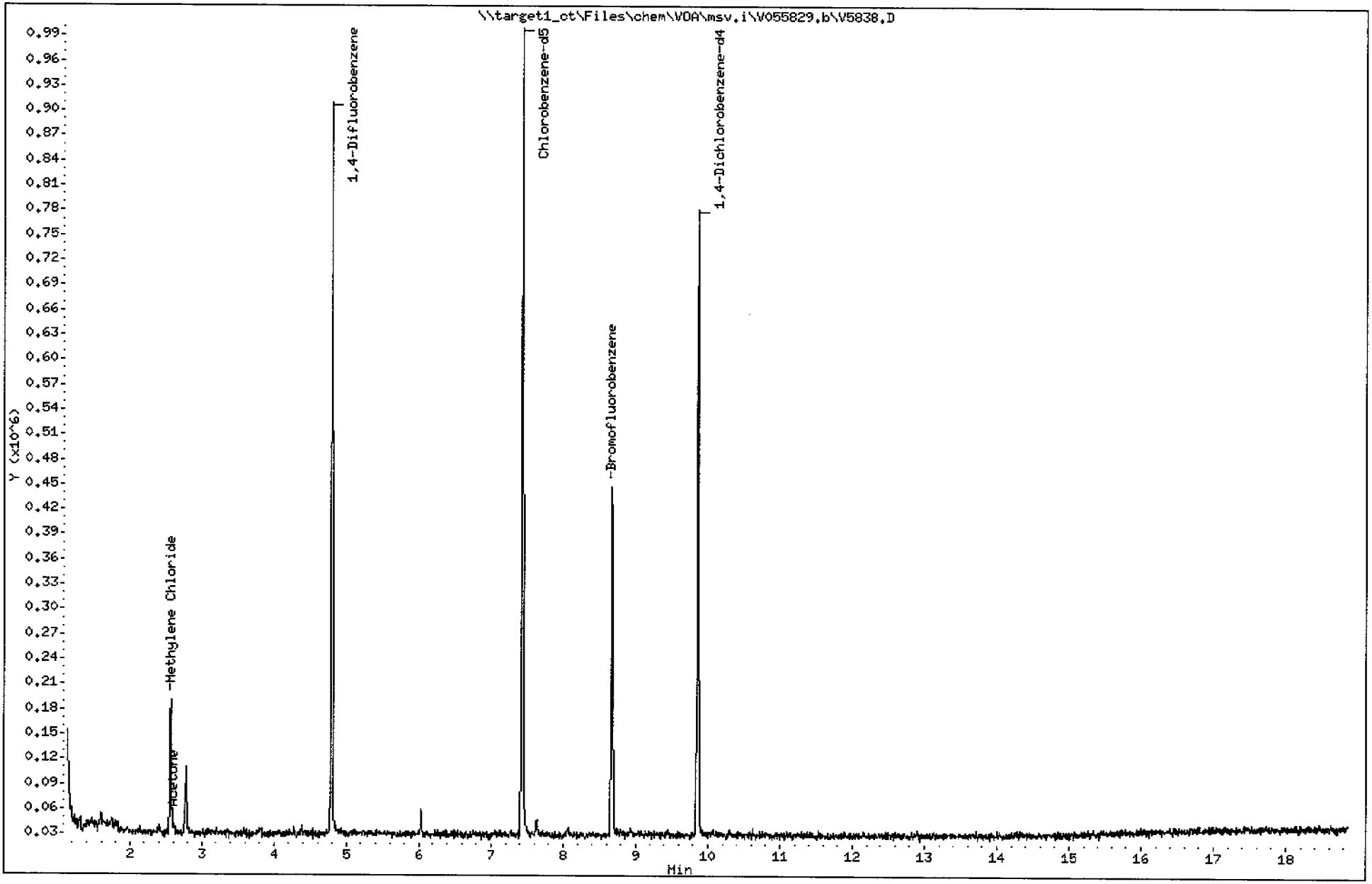
Volatile Report OLC 2.1 METHOD

Data file : \\target1_ct\Files\chem\VOA\msv.i\V055829.b\V5838.D
Lab Smp Id: 210038-1 Client Smp ID: SW-03
Inj Date : 09-JUL-2005 15:54 MS Autotune Date: 10-MAY-2005 11:27
Operator : D. HUMBERT Inst ID: msv.i
Smp Info : 210038-1
Misc Info : : ;;; SW-03 ; OLC ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055829.b\VOLC21W.m
Meth Date : 25-Jul-2005 19:15 pattym Quant Type: ISTD
Cal Date : 09-JUL-2005 10:46 Cal File: V5829.D
Als bottle: 84
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\target1_ct\Files\chem\VOA\msv.i\V055829.b\V5838.D
Date : 09-JUL-2005 15:54
Client ID: SW-03
Sample Info: 210038-1
Purge Volume: 25.0
Column phase: RTX-VMS

Instrument: msv.i
Operator: D. HUMBERT
Column diameter: 0.25



Data File: \\target1_ct\Files\chem\VOA\msv.i\V055829.b\V5838.D

Date : 09-JUL-2005 15:54

Client ID: SW-03

Instrument: msv.i

Sample Info: 210038-1

Purge Volume: 25.0

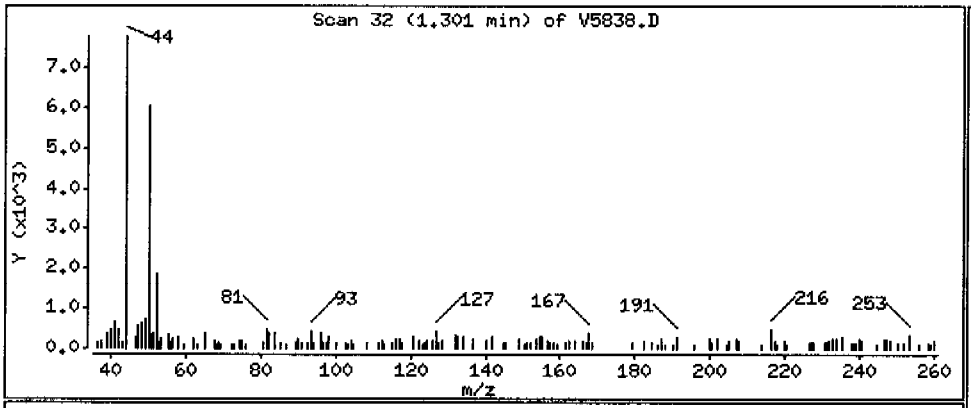
Operator: D. HUMBERT

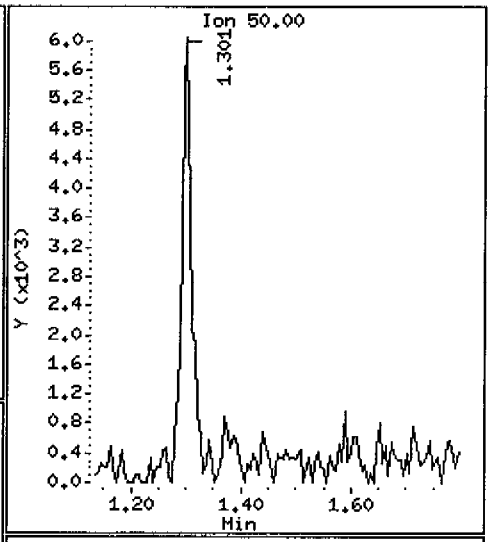
Column phase: RTX-VMS

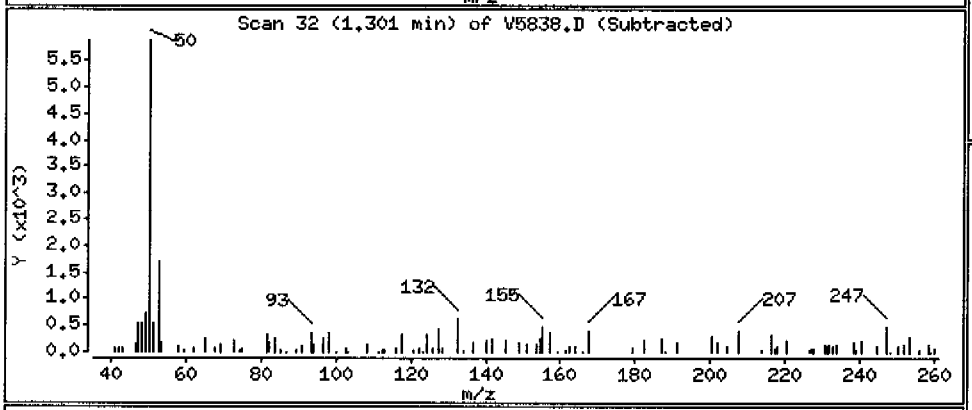
Column diameter: 0.25

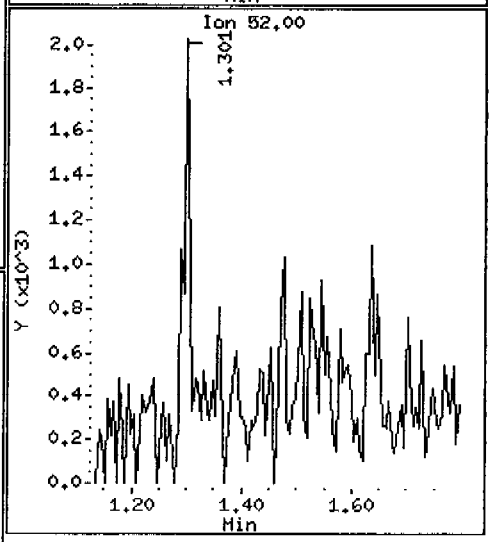
2 Chloromethane

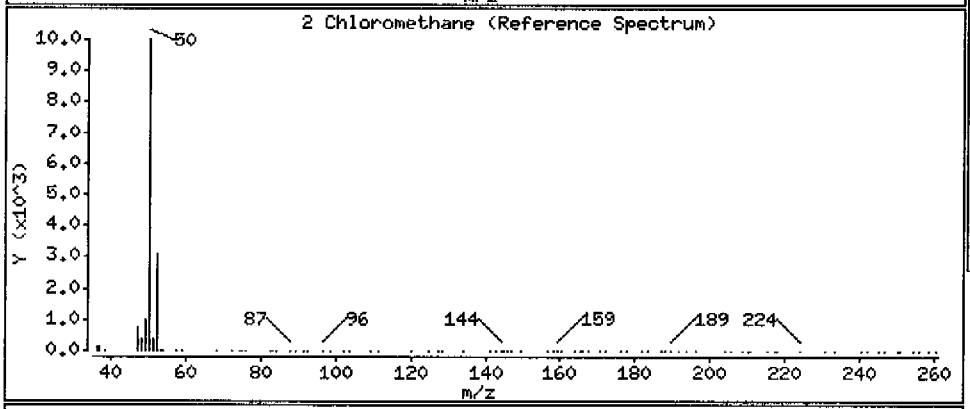
Concentration: 0.17 ug/L

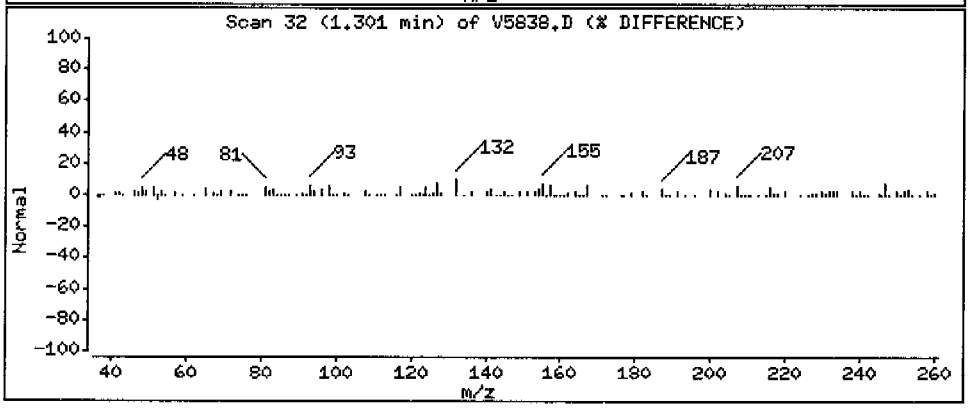












Data File: \\target1_ct\Files\chem\VOA\msv.i\V055829.b\V5838.D

Date : 09-JUL-2005 15:54

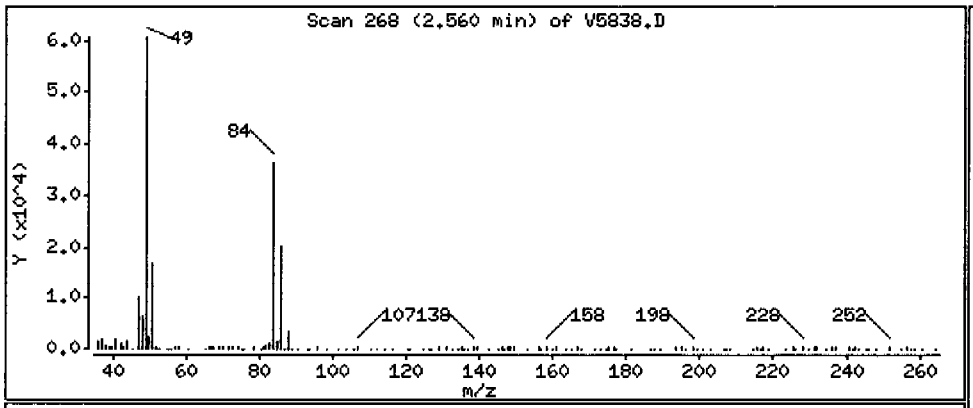
Client ID: SW-03 Instrument: msv.i

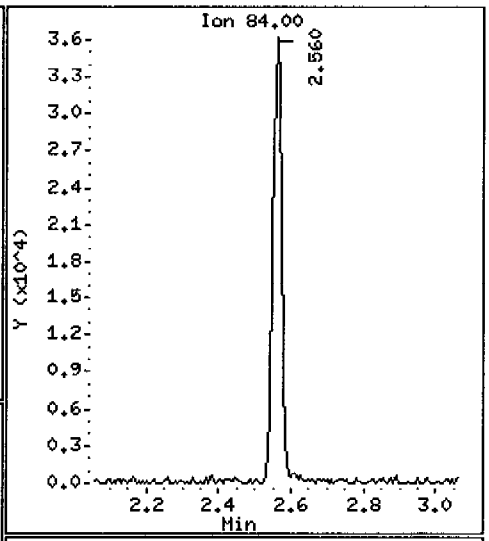
Sample Info: 210038-1

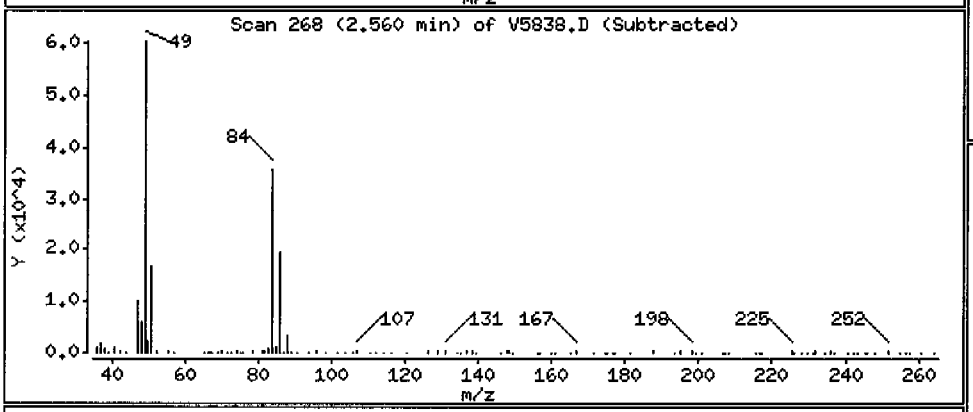
Purge Volume: 25.0 Operator: D. HUMBERT

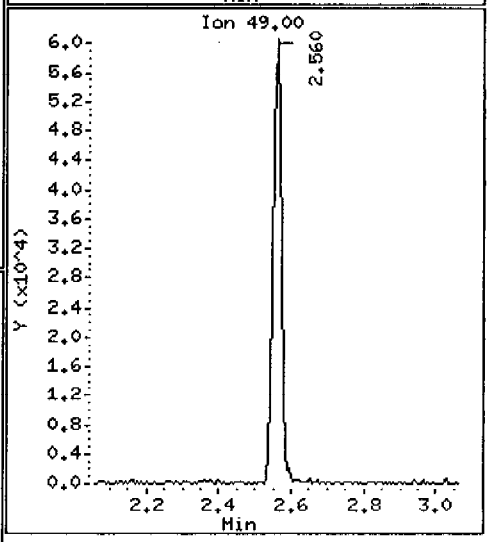
Column phase: RTX-VMS Column diameter: 0.25

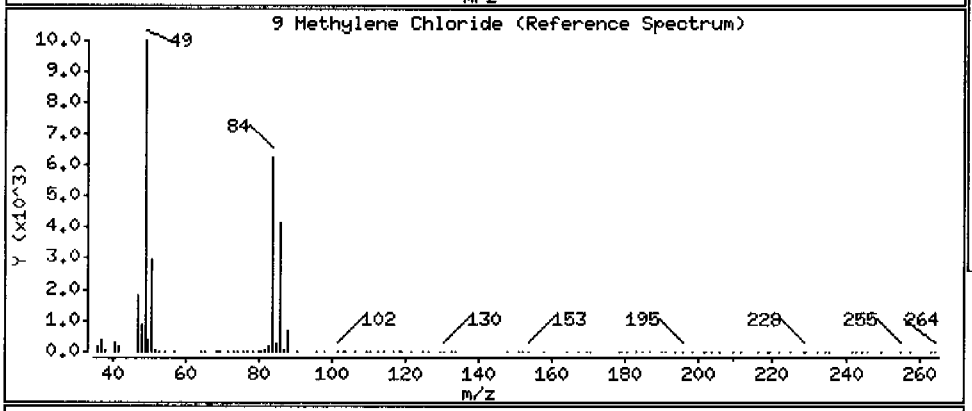
9 Methylene Chloride Concentration: 1.1 ug/L

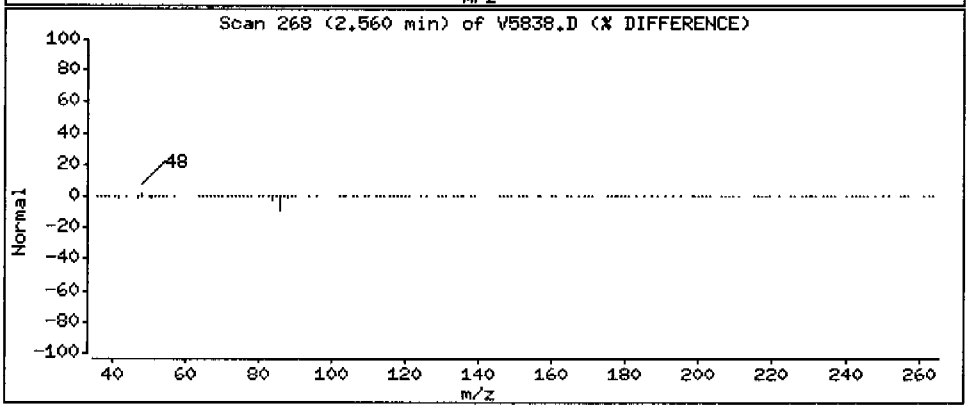












Data File: \\target1_ct\Files\chem\VOA\msv.i\V055829.b\V5838.D

Date : 09-JUL-2005 15:54

Client ID: SW-03

Instrument: msv.i

Sample Info: 210038-1

Purge Volume: 25.0

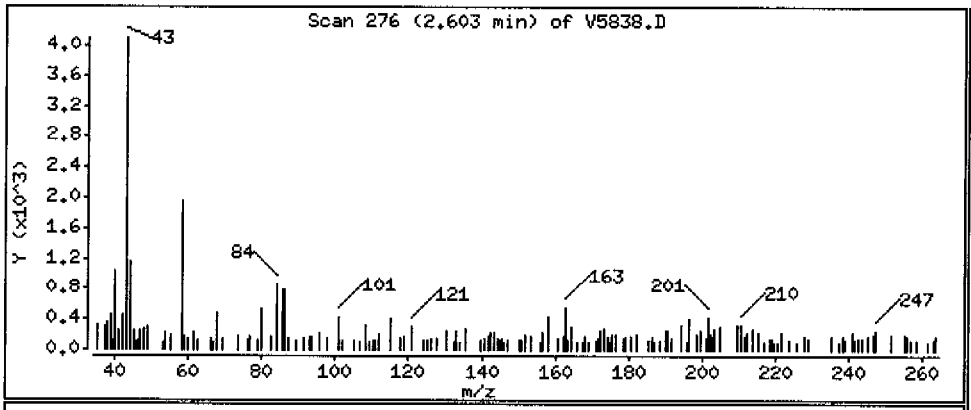
Operator: D. HUMBERT

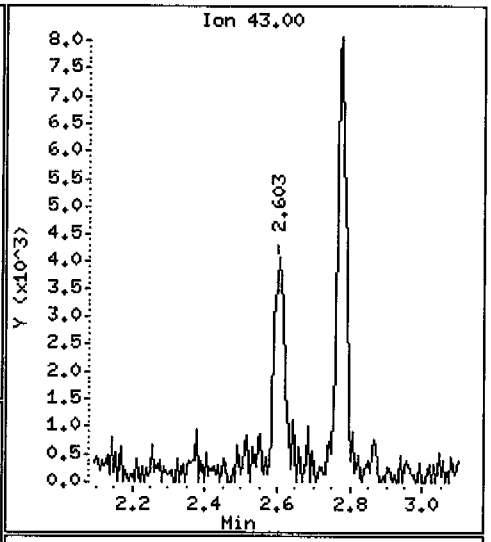
Column phase: RTX-VMS

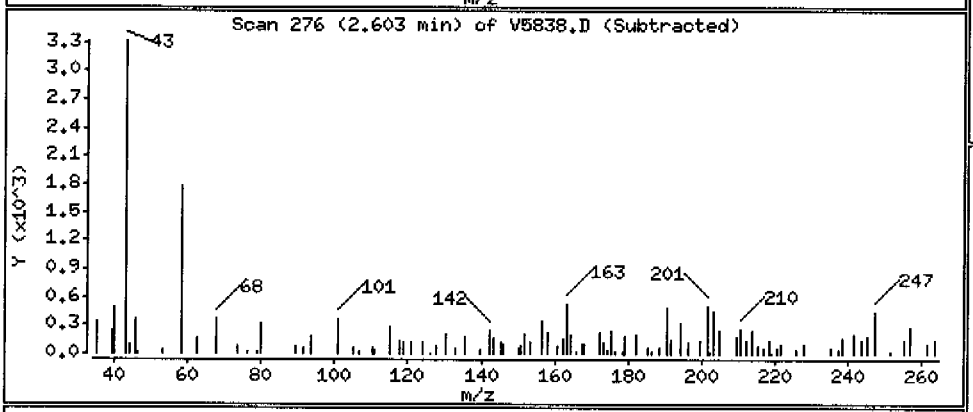
Column diameter: 0.25

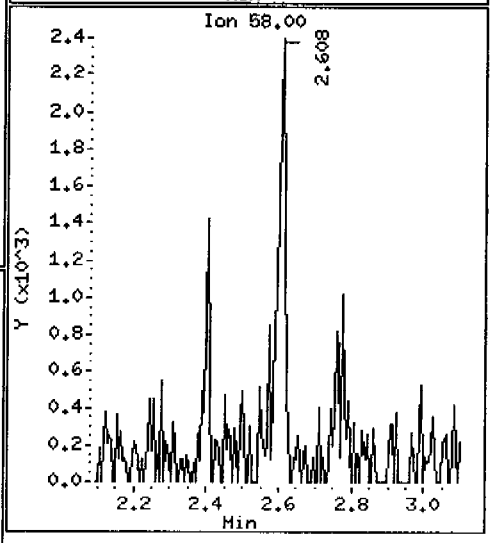
10 Acetone

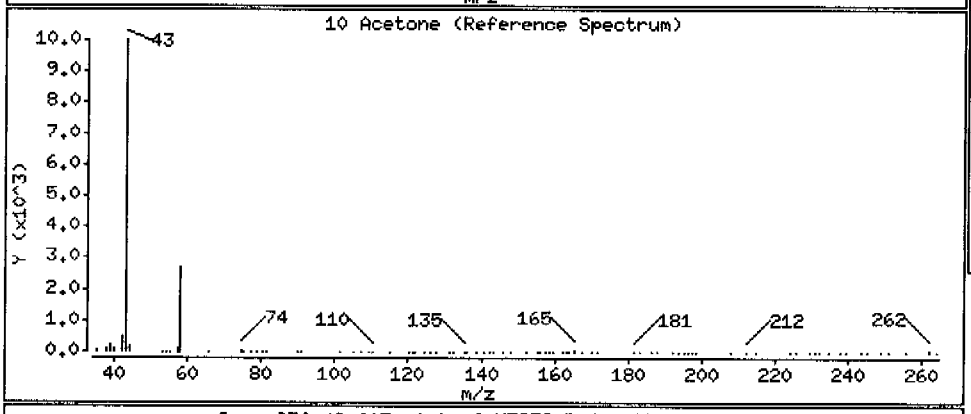
Concentration: 1.2 ug/L

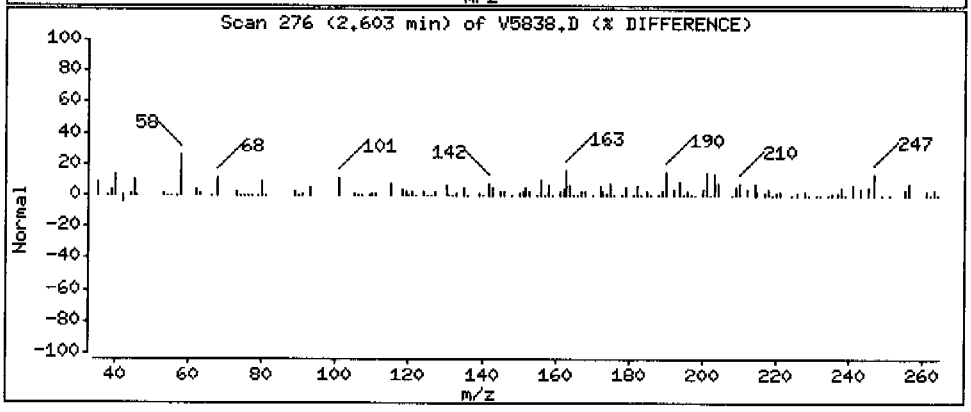












STL-Connecticut

LABORATORY TEST RESULTS

Job Number: 210038

Date:07/25/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: SW-02
Date Sampled.....: 06/29/2005
Time Sampled.....: 10:55
Sample Matrix.....: Water

Laboratory Sample ID: 210038-2
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
OLC02.1	CLP Volatile Organics											
	Chloromethane	0.2	J		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Vinyl chloride	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Bromomethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Chloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	1,1-Dichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Carbon disulfide	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Acetone	1	J	B	0.1	5	1.00000	ug/L	51442		07/09/05 1623	pam
	Methylene chloride	1	J	B	0.1	2	1.00000	ug/L	51442		07/09/05 1623	pam
	trans-1,2-Dichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	1,1-Dichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	cis-1,2-Dichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	2-Butanone (MEK)	ND	U		0.1	5	1.00000	ug/L	51442		07/09/05 1623	pam
	Bromochloromethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Chloroform	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	1,1,1-Trichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Carbon tetrachloride	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Benzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	1,2-Dichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Trichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	1,2-Dichloropropane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Bromodichloromethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	cis-1,3-Dichloropropene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.1	5	1.00000	ug/L	51442		07/09/05 1623	pam
	Toluene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	trans-1,3-Dichloropropene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	1,1,2-Trichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Tetrachloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	2-Hexanone	ND	U		0.1	5	1.00000	ug/L	51442		07/09/05 1623	pam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 210038

Date:07/25/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: SW-02
Date Sampled.....: 06/29/2005
Time Sampled.....: 10:55
Sample Matrix.....: Water

Laboratory Sample ID: 210038-2
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	1,2-Dibromoethane (EDB)	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Chlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Ethylbenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Styrene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Bromoform	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	Xylenes (total)	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	1,3-Dichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	1,4-Dichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	1,2-Dichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	1,2-Dibromo-3-chloropropane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam
	1,2,4-Trichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1623	pam

* In Description = Dry Wgt.

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW-02

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Lab Sample ID: 210038-2 Date Received: 06/30/05

Lab File ID: V5839 Date Analyzed: 07/09/05

Purge Volume: 25 (mL) Dilution Factor: 1.0

GC Column: RTX-VMS ID: 0.25 (mm) Length: 60 (m)

Number TICs found: 0

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC. (ug/L)	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

STL-INC

Volatile Report OLC 2.1 METHOD

Data file : \\target1_ct\Files\chem\VOA\msv.i\V055829.b\V5839.D
Lab Smp Id: 210038-2 Client Smp ID: SW-02
Inj Date : 09-JUL-2005 16:23 MS Autotune Date: 10-MAY-2005 11:27
Operator : D. HUMBERT Inst ID: msv.i
Smp Info : 210038-2
Misc Info : : ;;; SW-02 ; OLC ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055829.b\VOLC21W.m
Meth Date : 25-Jul-2005 19:15 pattym Quant Type: ISTD
Cal Date : 09-JUL-2005 10:46 Cal File: V5829.D
Als bottle: 85
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	25.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	1 1,4-Difluorobenzene	114	4.796	4.790	(1.000)	560195	5.00000	
	2 Chloromethane	50	1.300	1.295	(0.271)	7466	0.15941	0.16(H)
	9 Methylene Chloride	84	2.559	2.559	(0.534)	48244	0.98478	0.98
	10 Acetone	43	2.602	2.597	(0.543)	7627	1.32427	1.3
$	21 Bromofluorobenzene	95	8.670	8.670	(1.808)	123894	4.33469	4.3
*	22 Chlorobenzene-d5	117	7.432	7.432	(1.000)	466343	5.00000	
*	45 1,4-Dichlorobenzene-d4	152	9.866	9.866	(1.000)	176619	5.00000	

QC Flag Legend

H - Operator selected an alternate compound hit.

STL-INC

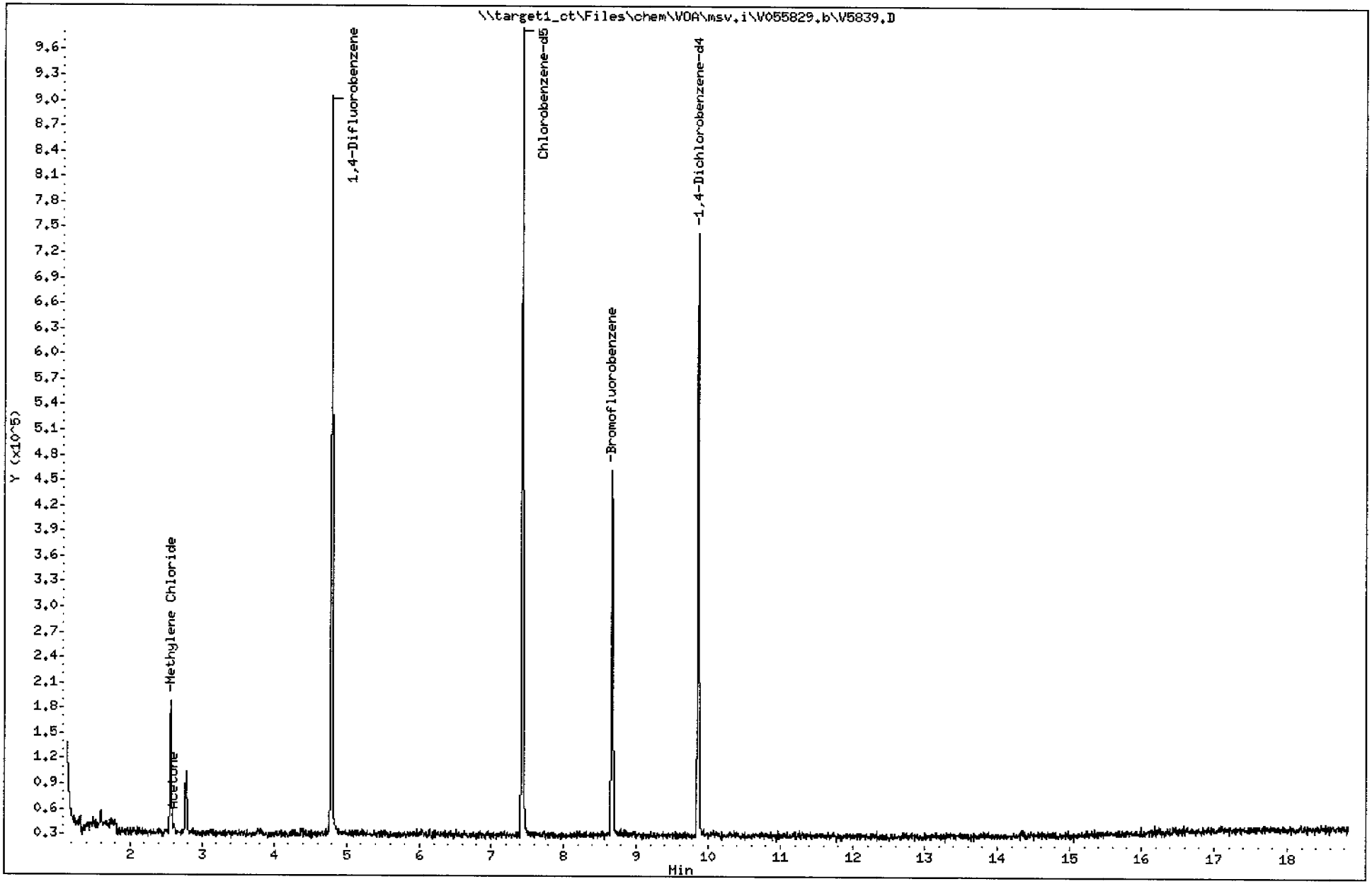
Volatile Report OLC 2.1 METHOD

Data file : \\target1_ct\Files\chem\VOA\msv.i\V055829.b\V5839.D
Lab Smp Id: 210038-2 Client Smp ID: SW-02
Inj Date : 09-JUL-2005 16:23 MS Autotune Date: 10-MAY-2005 11:27
Operator : D. HUMBERT Inst ID: msv.i
Smp Info : 210038-2
Misc Info : : ;;; SW-02 ; OLC ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055829.b\VOLC21W.m
Meth Date : 25-Jul-2005 19:15 pattym Quant Type: ISTD
Cal Date : 09-JUL-2005 10:46 Cal File: V5829.D
Als bottle: 85
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\target1_ct\Files\chem\VOA\msv.i\V055829.b\V5839.D
Date : 09-JUL-2005 16:23
Client ID: SW-02
Sample Info: 210038-2
Purge Volume: 25.0
Column phase: RTX-VMS

Instrument: msv.i
Operator: D. HUMBERT
Column diameter: 0.25



Data File: \\target1_ct\Files\chem\VOA\msv.i\V055829.b\V5839.D

Date : 09-JUL-2005 16:23

Client ID: SW-02

Instrument: msv.i

Sample Info: 210038-2

Purge Volume: 25.0

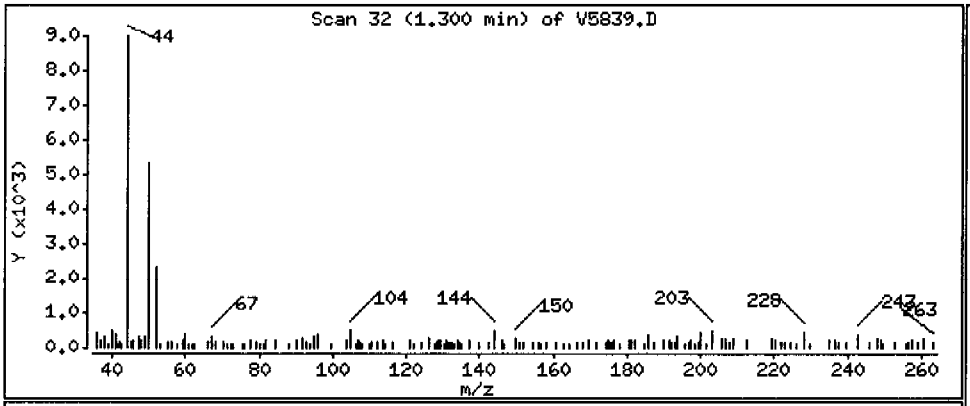
Operator: D. HUMBERT

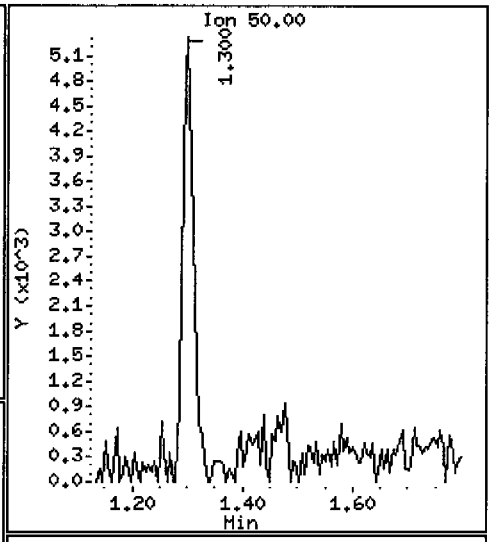
Column phase: RTX-VMS

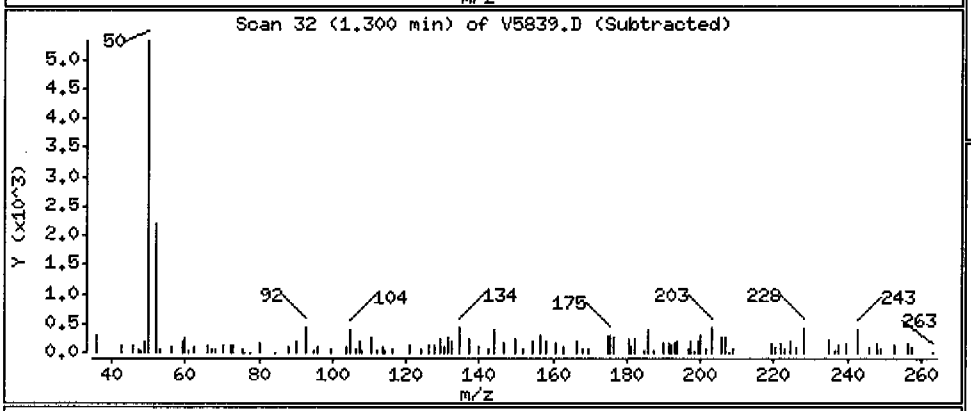
Column diameter: 0.25

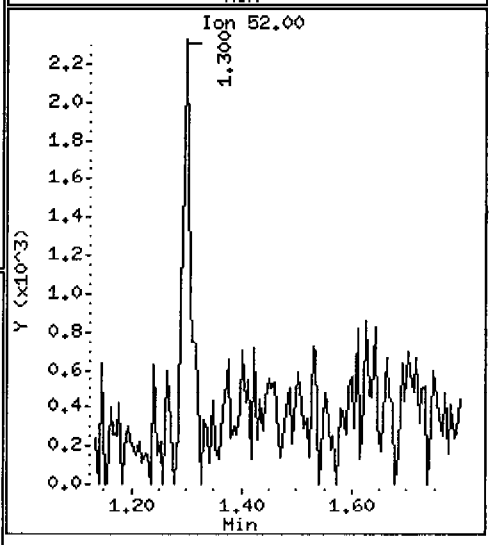
2 Chloromethane

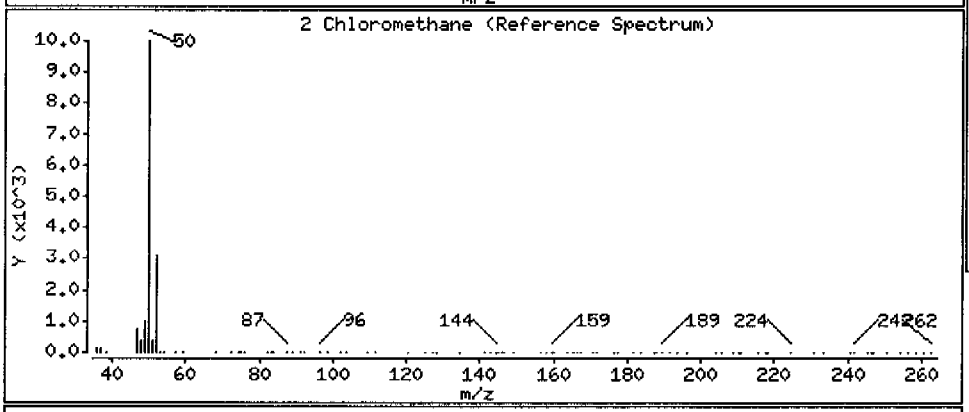
Concentration: 0.16 ug/L

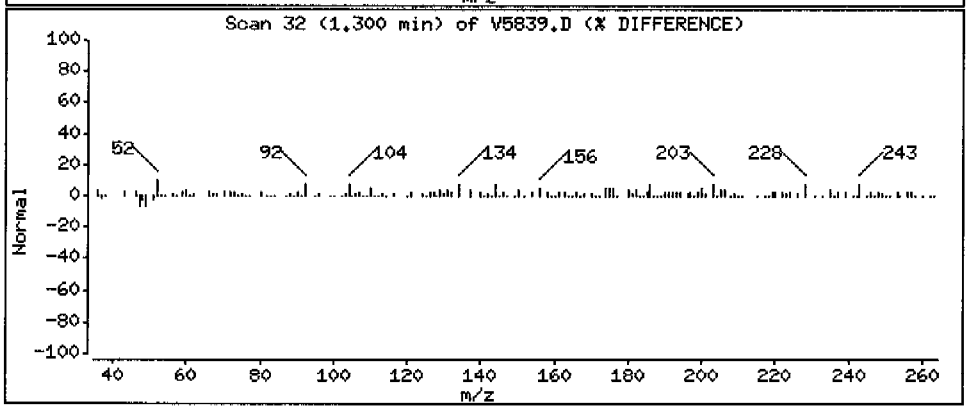












Data File: \\target1_ct\Files\chem\VOA\msv.i\V055829.b\V5839.D

Date : 09-JUL-2005 16:23

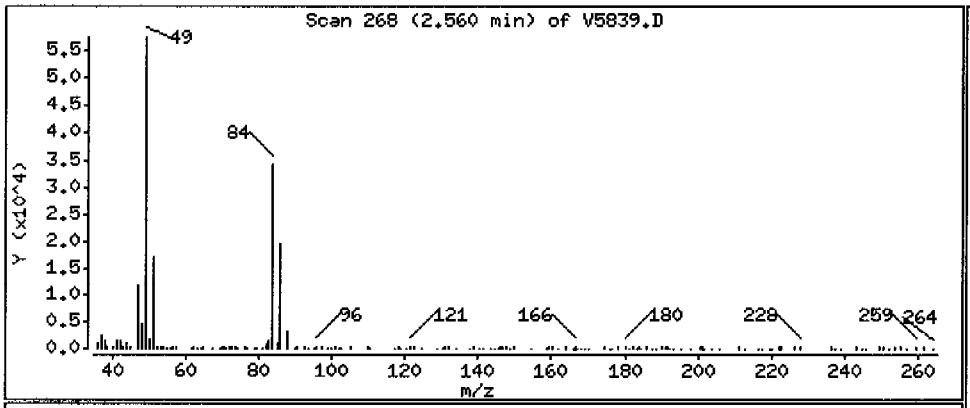
Client ID: SW-02 Instrument: msv.i

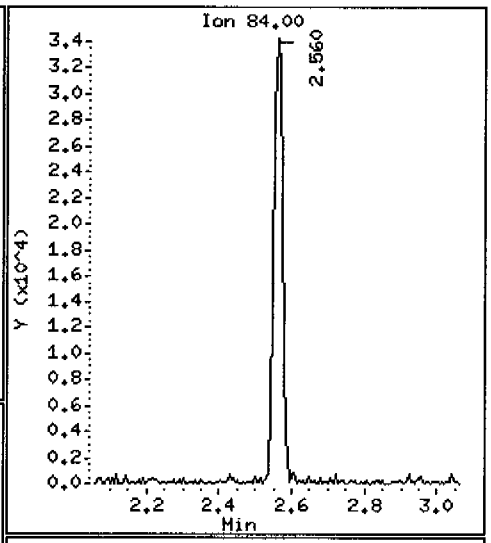
Sample Info: 210038-2

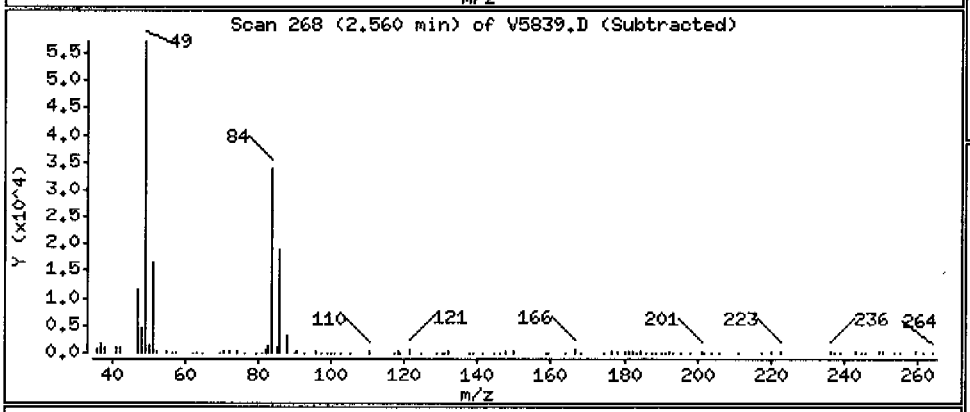
Purge Volume: 25.0 Operator: D. HUMBERT

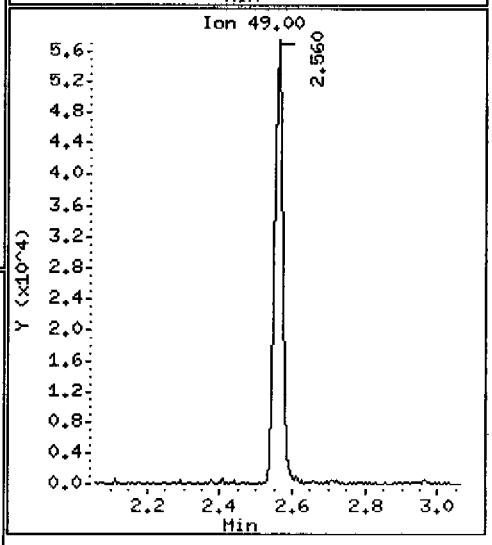
Column phase: RTX-VMS Column diameter: 0.25

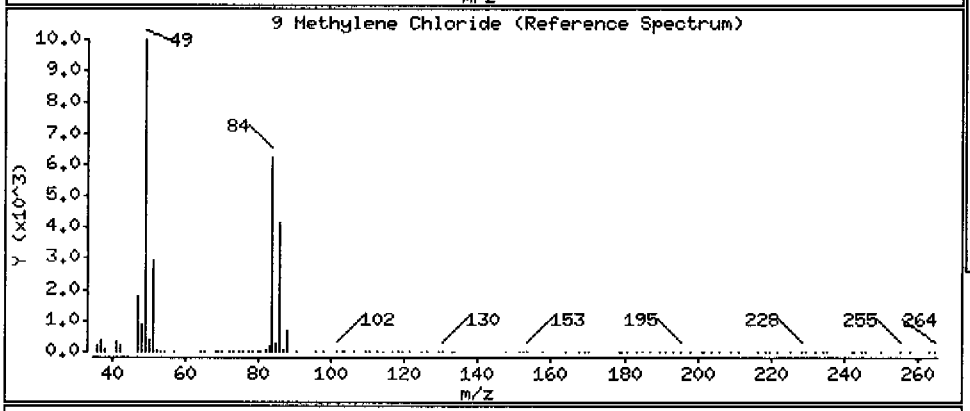
9 Methylene Chloride Concentration: 0.98 ug/L

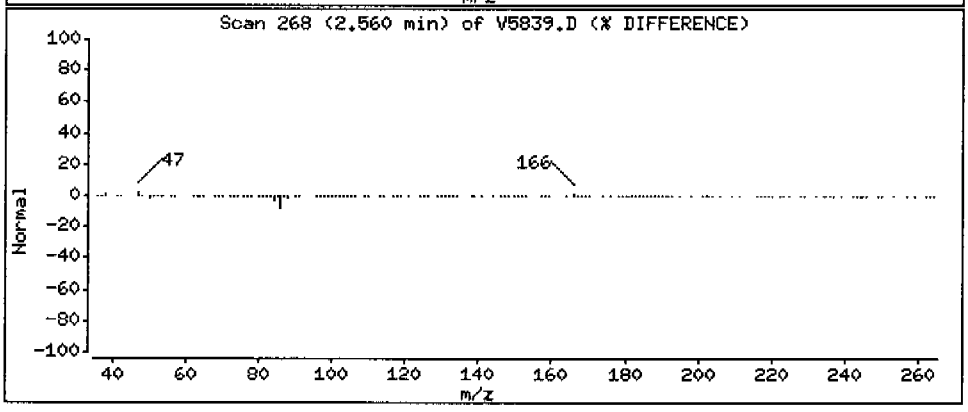












Data File: \\target1_ct\Files\chem\VOA\msv.i\V055829.b\V5839.D

Date : 09-JUL-2005 16:23

Client ID: SW-02

Instrument: msv.i

Sample Info: 210038-2

Purge Volume: 25.0

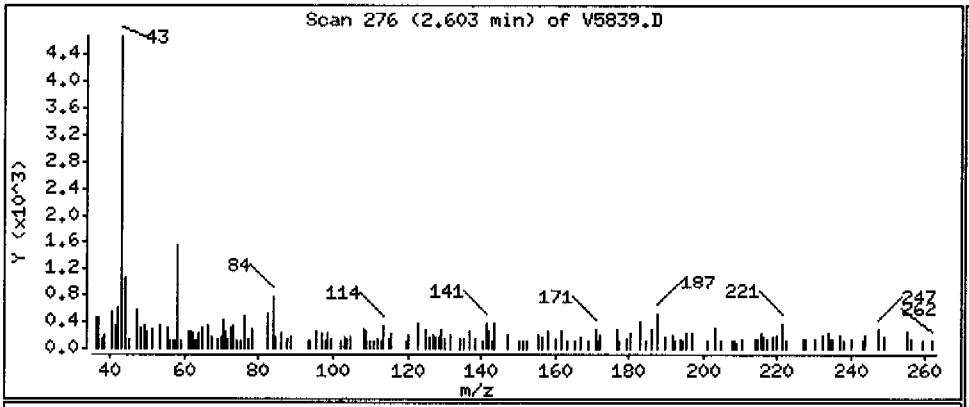
Operator: D. HUMBERT

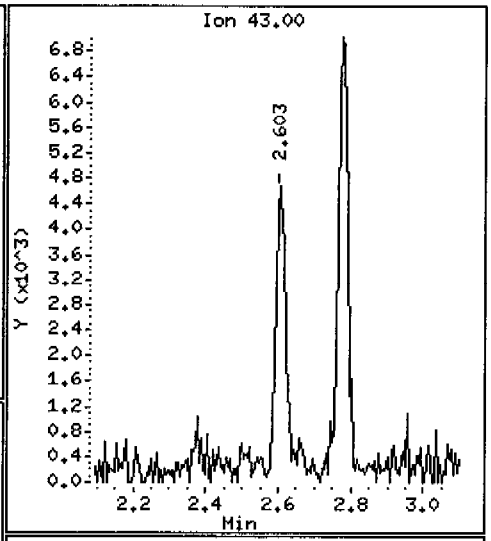
Column phase: RTX-VMS

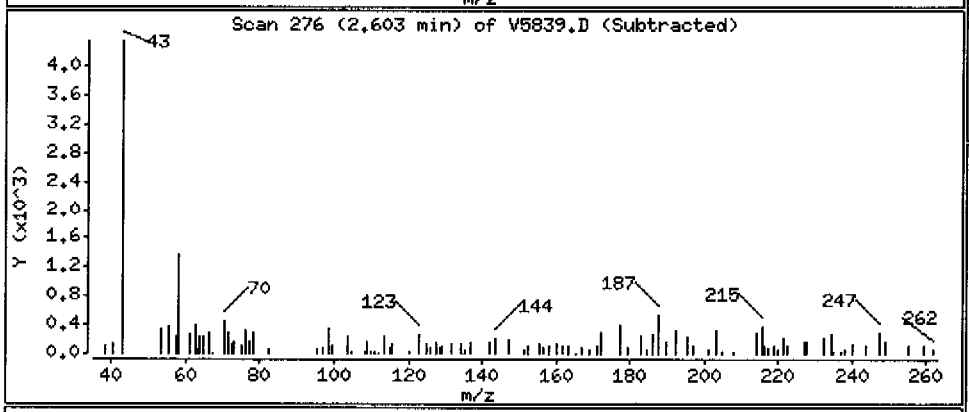
Column diameter: 0.25

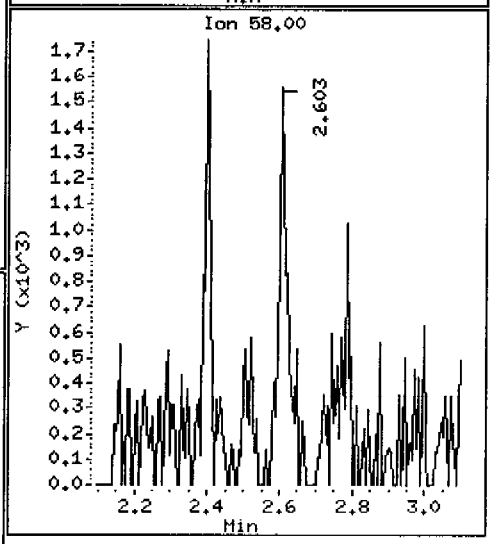
10 Acetone

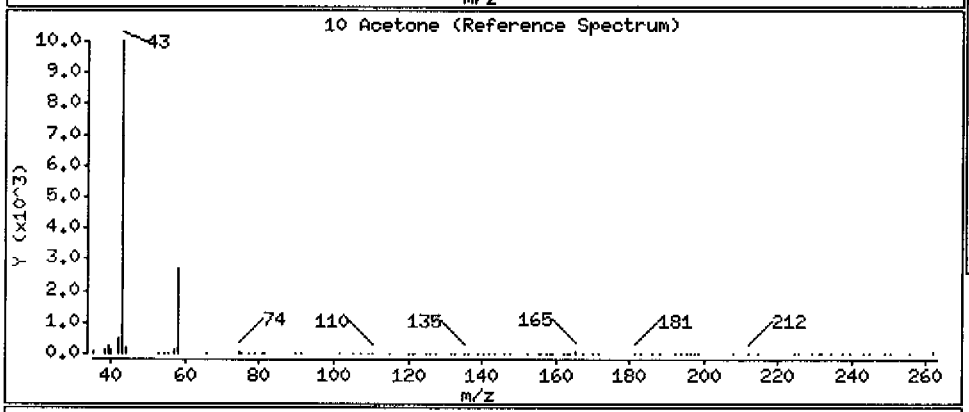
Concentration: 1.3 ug/L

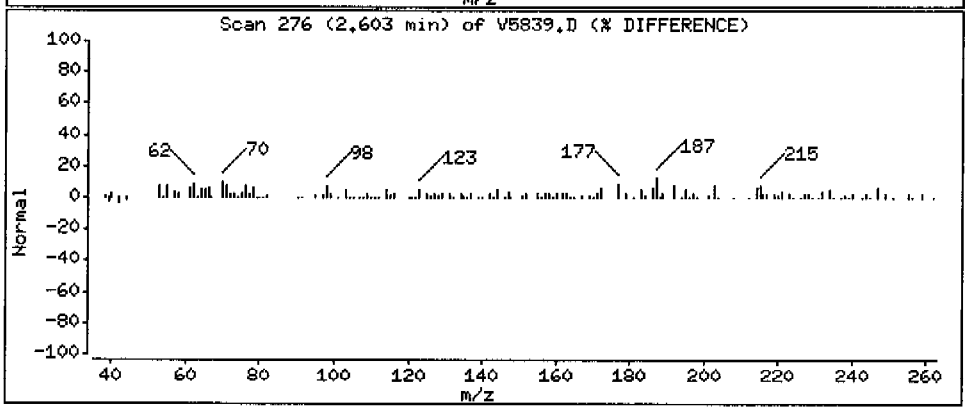












STL-Connecticut

LABORATORY TEST RESULTS

Job Number: 210038

Date:07/25/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: SW-01
Date Sampled.....: 06/29/2005
Time Sampled.....: 11:10
Sample Matrix.....: Water

Laboratory Sample ID: 210038-3
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
OLC02.1	CLP Volatile Organics											
	Chloromethane	0.2	J		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Vinyl chloride	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Bromomethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Chloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	1,1-Dichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Carbon disulfide	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Acetone	2	J	B	0.1	5	1.00000	ug/L	51442		07/09/05 1652	pam
	Methylene chloride	1	J	B	0.1	2	1.00000	ug/L	51442		07/09/05 1652	pam
	trans-1,2-Dichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	1,1-Dichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	cis-1,2-Dichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	2-Butanone (MEK)	ND	U		0.1	5	1.00000	ug/L	51442		07/09/05 1652	pam
	Bromochloromethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Chloroform	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	1,1,1-Trichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Carbon tetrachloride	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Benzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	1,2-Dichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Trichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	1,2-Dichloropropane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Bromodichloromethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	cis-1,3-Dichloropropene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.1	5	1.00000	ug/L	51442		07/09/05 1652	pam
	Toluene	0.1	J		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	trans-1,3-Dichloropropene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	1,1,2-Trichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Tetrachloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	2-Hexanone	ND	U		0.1	5	1.00000	ug/L	51442		07/09/05 1652	pam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 210038 Date:07/25/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

Customer Sample ID: SW-01
Date Sampled.....: 06/29/2005
Time Sampled.....: 11:10
Sample Matrix.....: Water

Laboratory Sample ID: 210038-3
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	1,2-Dibromoethane (EDB)	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Chlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Ethylbenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Styrene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Bromoform	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	Xylenes (total)	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	1,3-Dichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	1,4-Dichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	1,2-Dichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	1,2-Dibromo-3-chloropropane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam
	1,2,4-Trichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1652	pam

* In Description = Dry Wgt.

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW-01

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Lab Sample ID: 210038-3 Date Received: 06/30/05

Lab File ID: V5840 Date Analyzed: 07/09/05

Purge Volume: 25 (mL) Dilution Factor: 1.0

GC Column: RTX-VMS ID: 0.25 (mm) Length: 60 (m)

Number TICs found: 0

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC. (ug/L)	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

STL-INC

Volatile Report OLC 2.1 METHOD

Data file : \\target1_ct\Files\chem\VOA\msv.i\V055829.b\V5840.D
Lab Smp Id: 210038-3 Client Smp ID: SW-01
Inj Date : 09-JUL-2005 16:52 MS Autotune Date: 10-MAY-2005 11:27
Operator : D. HUMBERT Inst ID: msv.i
Smp Info : 210038-3
Misc Info : : ;;; SW-01 ; OLC ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055829.b\VOLC21W.m
Meth Date : 25-Jul-2005 19:15 pattym Quant Type: ISTD
Cal Date : 09-JUL-2005 10:46 Cal File: V5829.D
Als bottle: 86
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	25.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	1 1,4-Difluorobenzene	114	4.796	4.790	(1.000)	556109	5.00000	
	2 Chloromethane	50	1.295	1.295	(0.270)	8234	0.17710	0.18(H)
	9 Methylene Chloride	84	2.560	2.559	(0.534)	52010	1.06946	1.1
	10 Acetone	43	2.602	2.597	(0.543)	9682	1.69343	1.7
$	21 Bromofluorobenzene	95	8.670	8.670	(1.808)	124557	4.38991	4.4
*	22 Chlorobenzene-d5	117	7.432	7.432	(1.000)	460930	5.00000	
	34 Toluene	91	6.029	6.028	(0.811)	21884	0.12639	0.13
*	45 1,4-Dichlorobenzene-d4	152	9.866	9.866	(1.000)	179652	5.00000	

QC Flag Legend

H - Operator selected an alternate compound hit.

STL-INC

Volatile Report OLC 2.1 METHOD

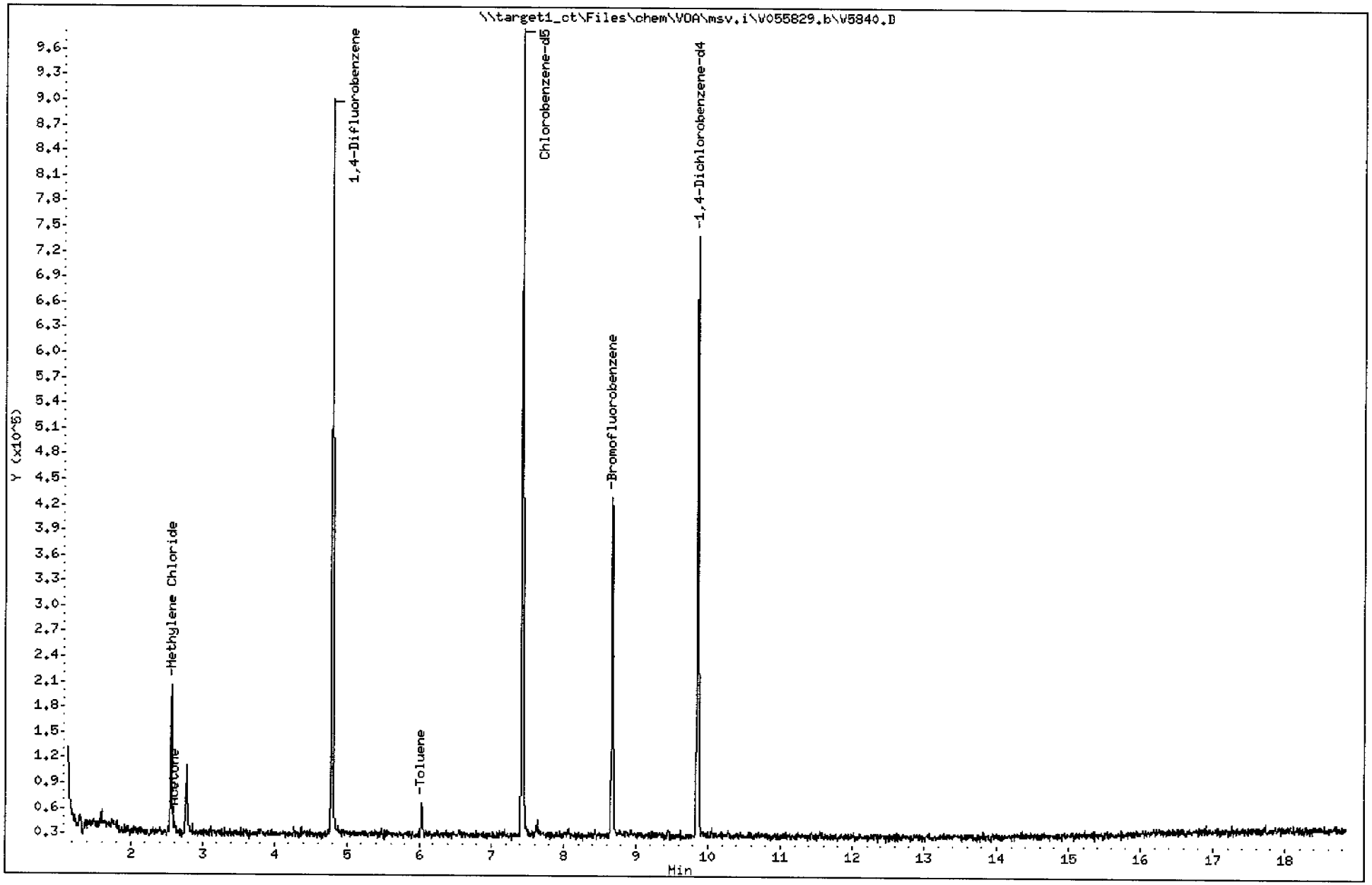
Data file : \\target1_ct\Files\chem\VOA\msv.i\V055829.b\V5840.D
Lab Smp Id: 210038-3 Client Smp ID: SW-01
Inj Date : 09-JUL-2005 16:52 MS Autotune Date: 10-MAY-2005 11:27
Operator : D. HUMBERT Inst ID: msv.i
Smp Info : 210038-3
Misc Info : : ;;; SW-01 ; OLC ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055829.b\VOLC21W.m
Meth Date : 25-Jul-2005 19:15 pattym Quant Type: ISTD
Cal Date : 09-JUL-2005 10:46 Cal File: V5829.D
Als bottle: 86
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\target1_ot\Files\chem\VOA\msv.i\V055829.b\V5840.D
Date : 09-JUL-2005 16:52
Client ID: SW-01
Sample Info: 210038-3
Purge Volume: 25.0
Column phase: RTX-VMS

Instrument: msv.i

Operator: D. HUMBERT
Column diameter: 0.25



Data File: \\target1_ct\Files\chem\VOA\msv.i\V055829.b\V5840.D

Date : 09-JUL-2005 16:52

Client ID: SW-01

Instrument: msv.i

Sample Info: 210038-3

Purge Volume: 25.0

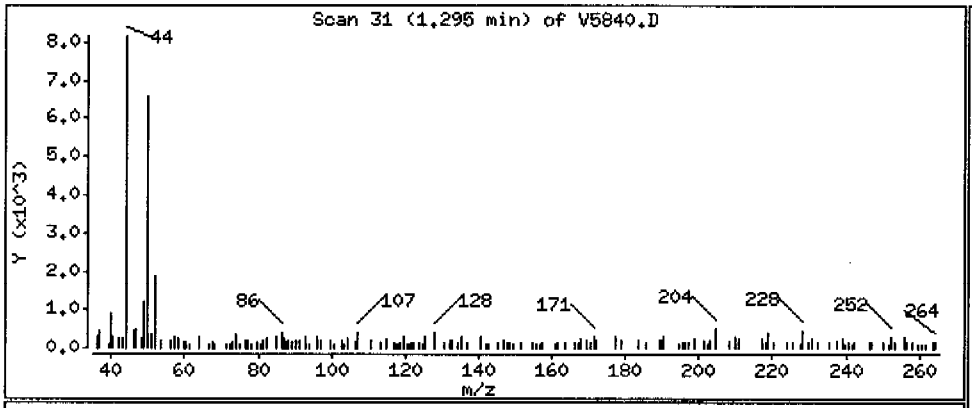
Operator: D. HUMBERT

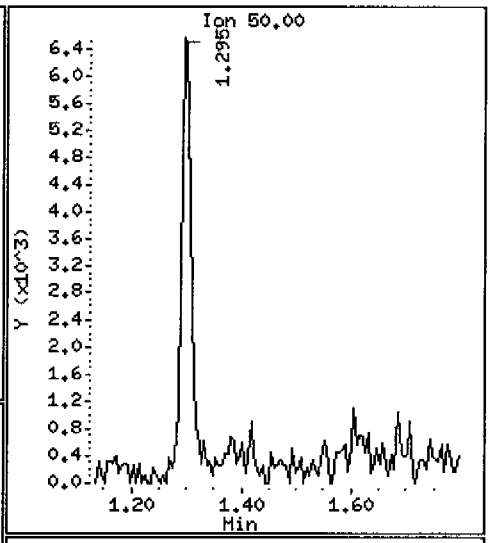
Column phase: RTX-VMS

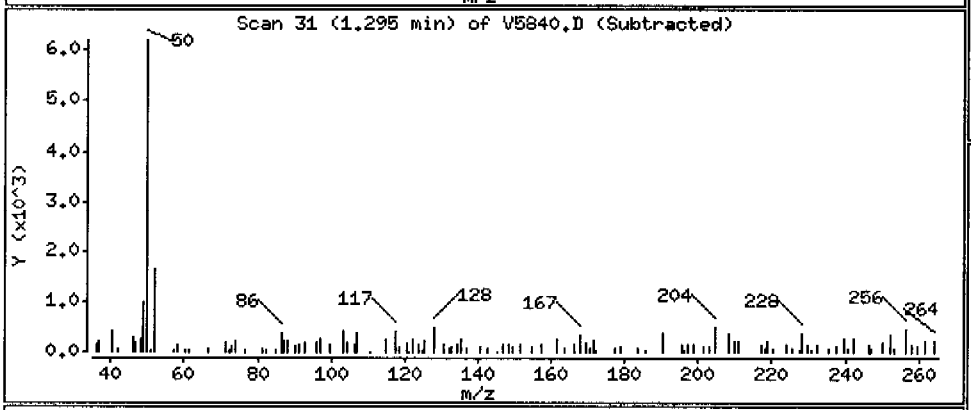
Column diameter: 0.25

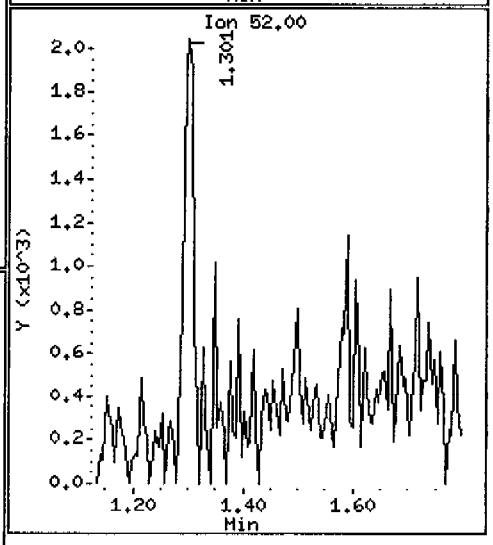
2 Chloromethane

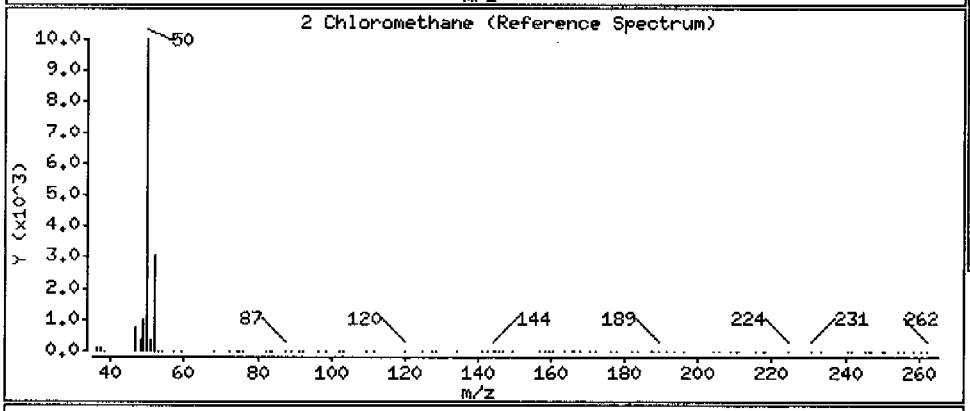
Concentration: 0.18 ug/L

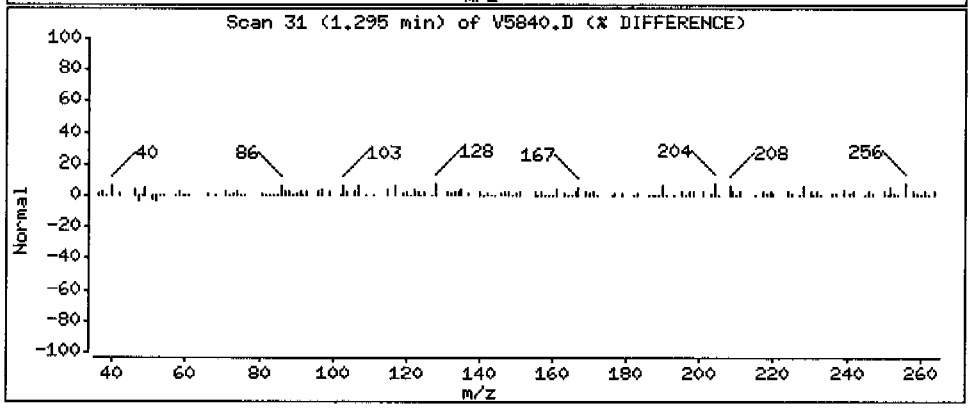












Data File: \\target1_ct\Files\chem\VOA\msv.i\V055829.b\V5840.D

Date : 09-JUL-2005 16:52

Client ID: SW-01

Instrument: msv.i

Sample Info: 210038-3

Purge Volume: 25.0

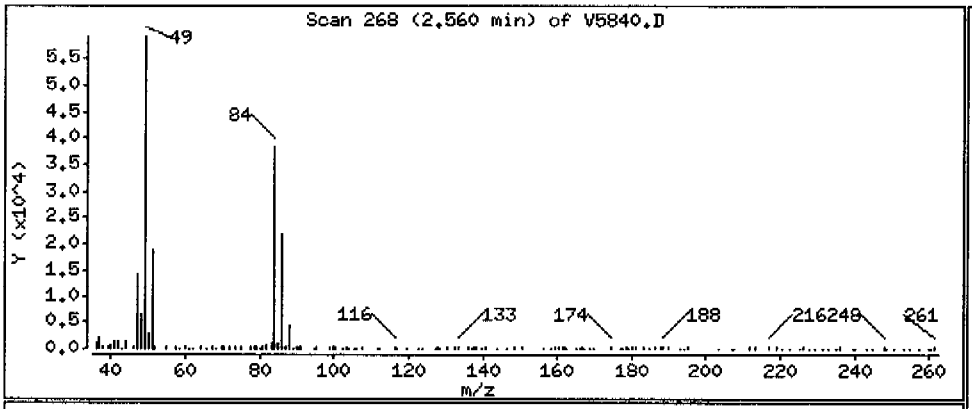
Operator: D. HUMBERT

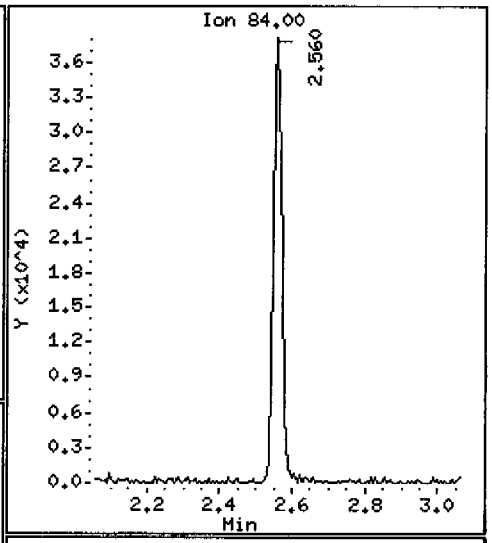
Column phase: RTX-VMS

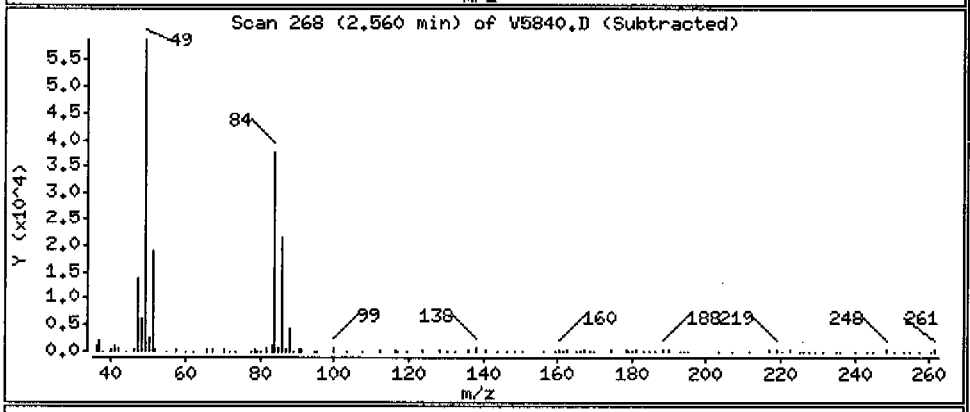
Column diameter: 0.25

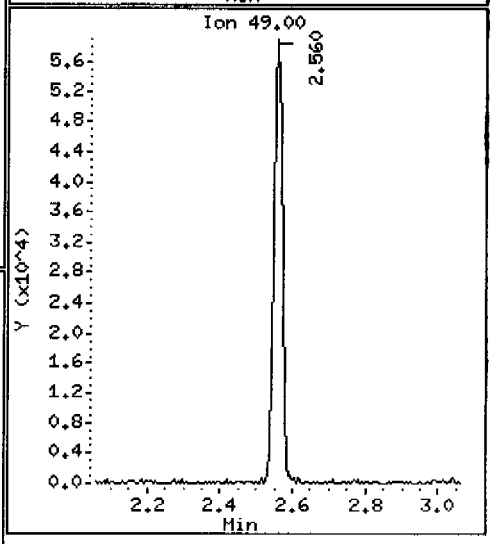
9 Methylene Chloride

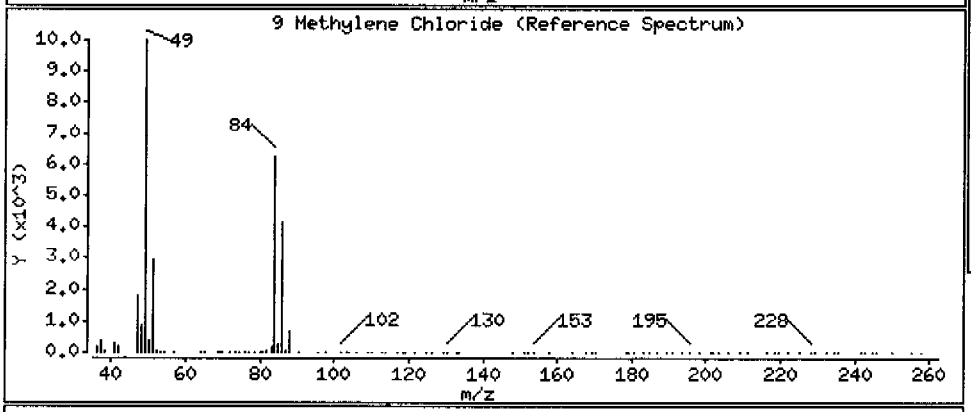
Concentration: 1.1 ug/L

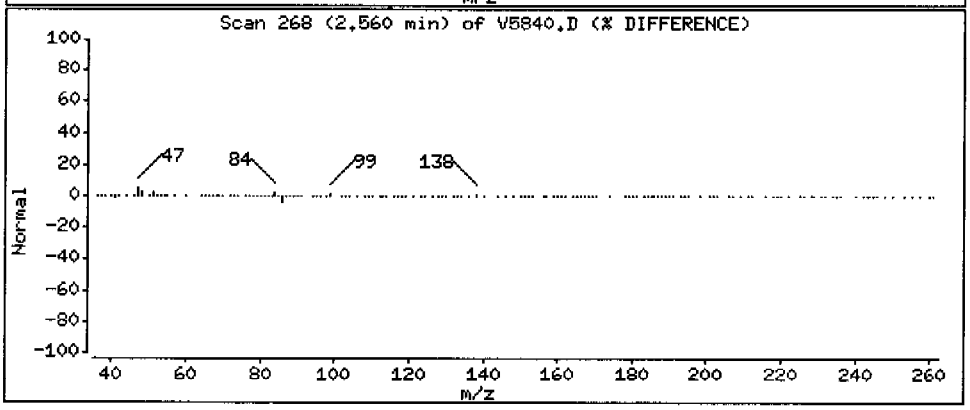












Data File: \\target1_ct\Files\chem\VOA\msv.i\V055829.b\V5840.D

Date : 09-JUL-2005 16:52

Client ID: SW-01

Instrument: msv.i

Sample Info: 210038-3

Purge Volume: 25.0

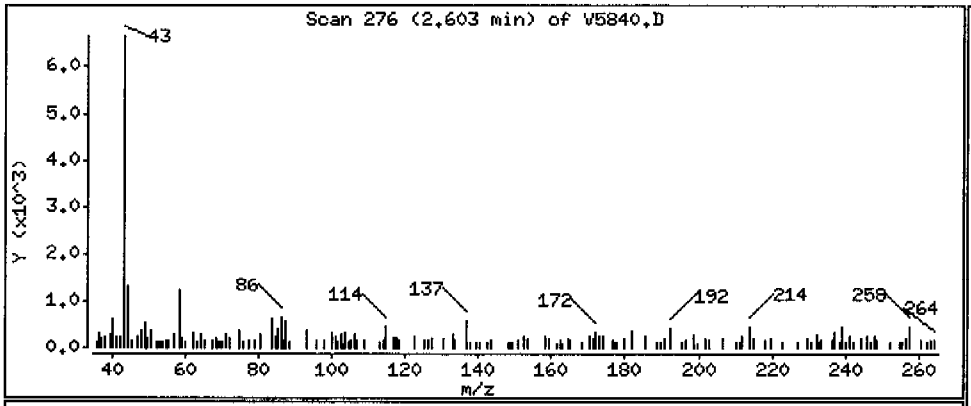
Operator: D. HUMBERT

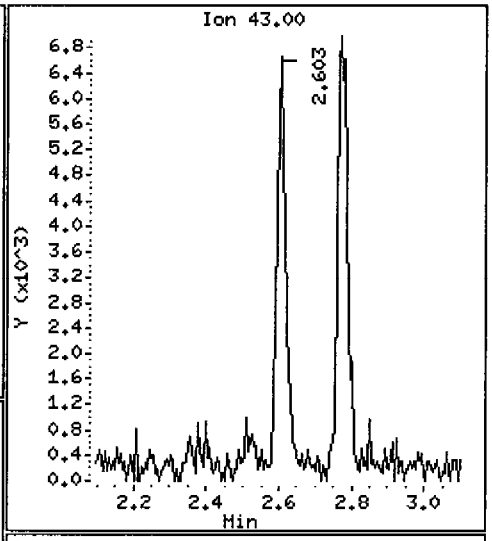
Column phase: RTX-VMS

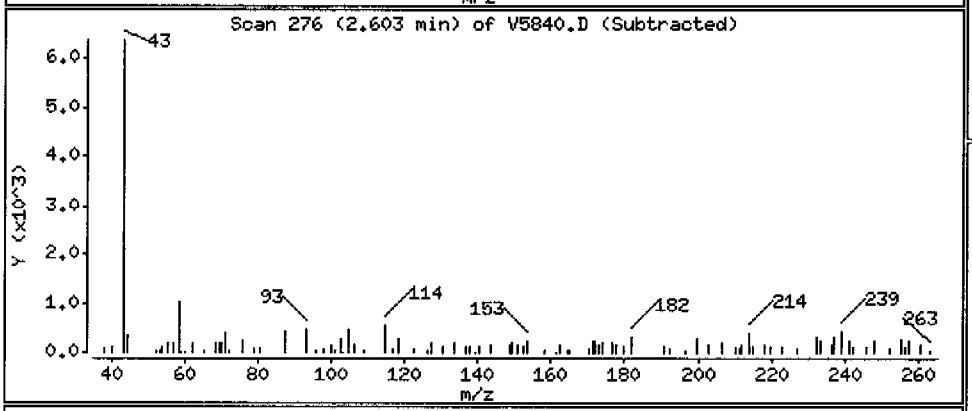
Column diameter: 0.25

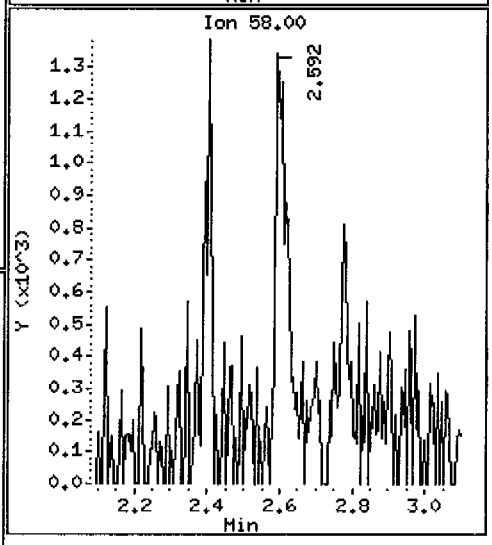
10 Acetone

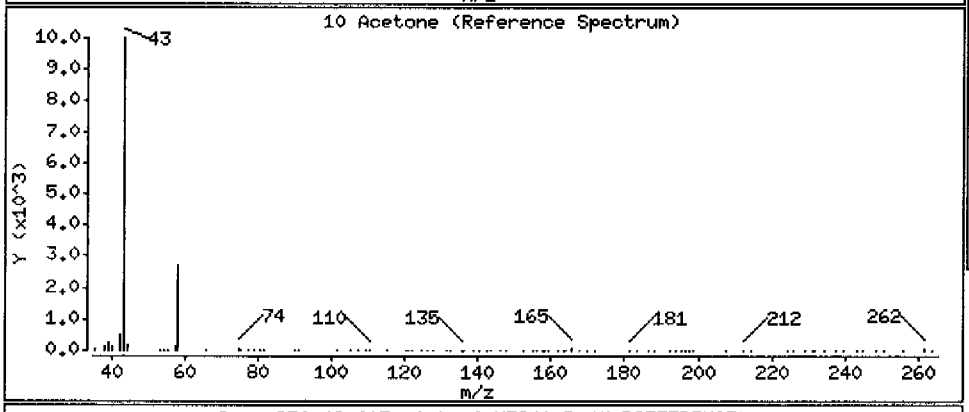
Concentration: 1.7 ug/L

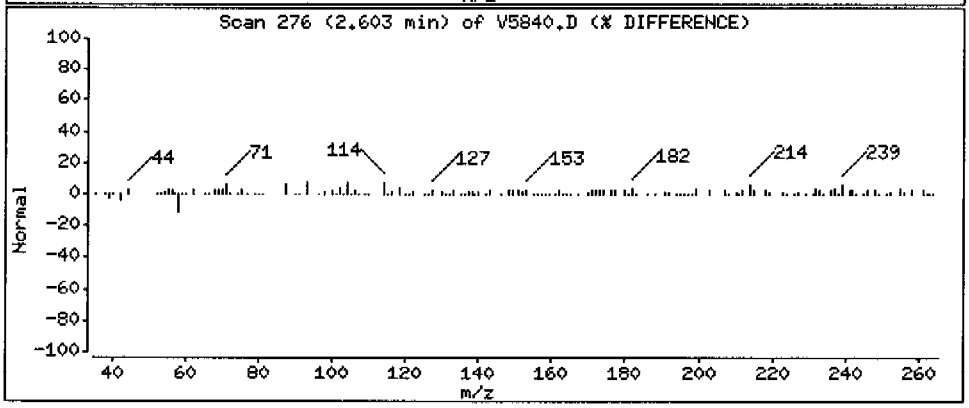












Data File: \\target1_ct\Files\chem\VOA\msv.i\V055829.b\V5840.D

Date : 09-JUL-2005 16:52

Client ID: SW-01

Instrument: msv.i

Sample Info: 210038-3

Purge Volume: 25.0

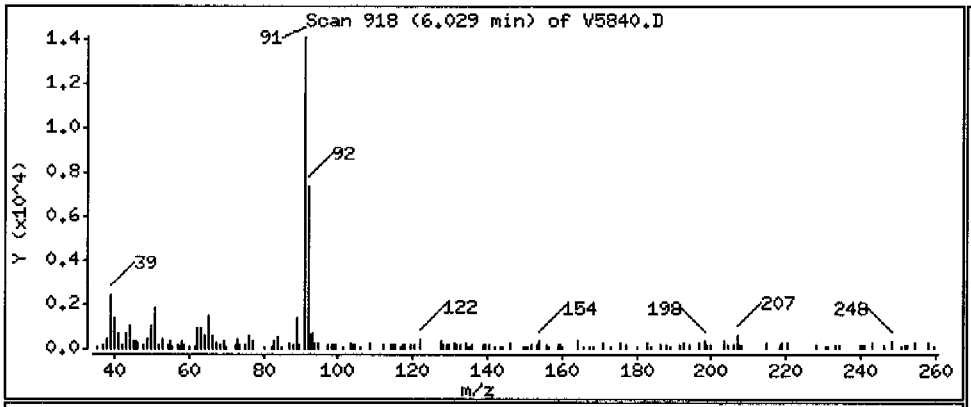
Operator: D. HUMBERT

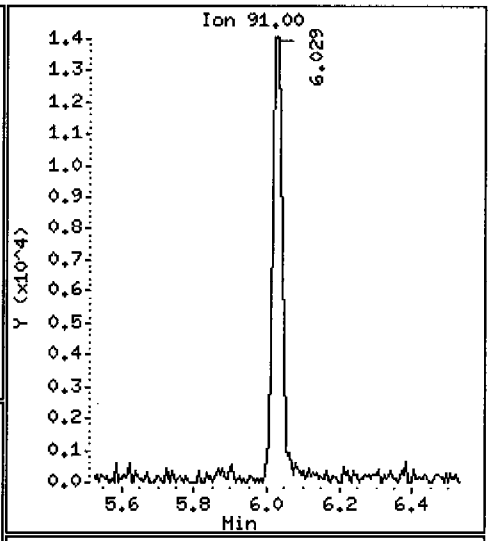
Column phase: RTX-VMS

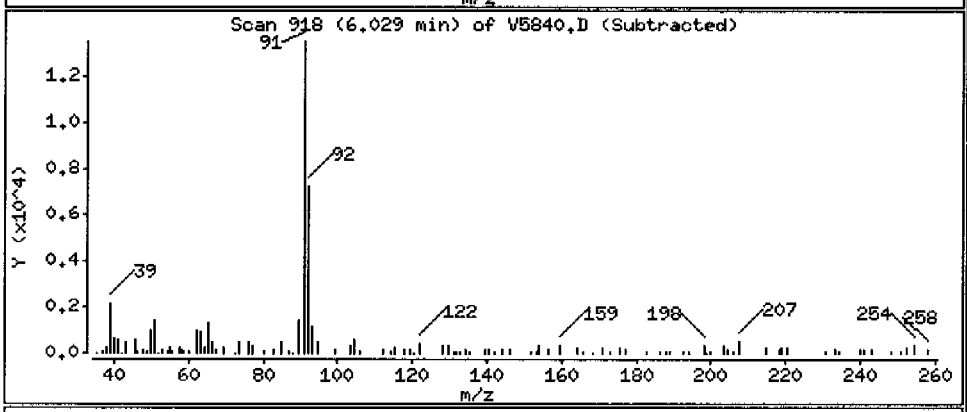
Column diameter: 0.25

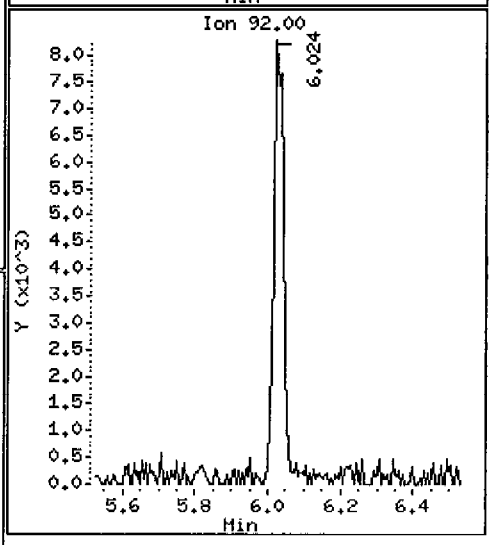
34 Toluene

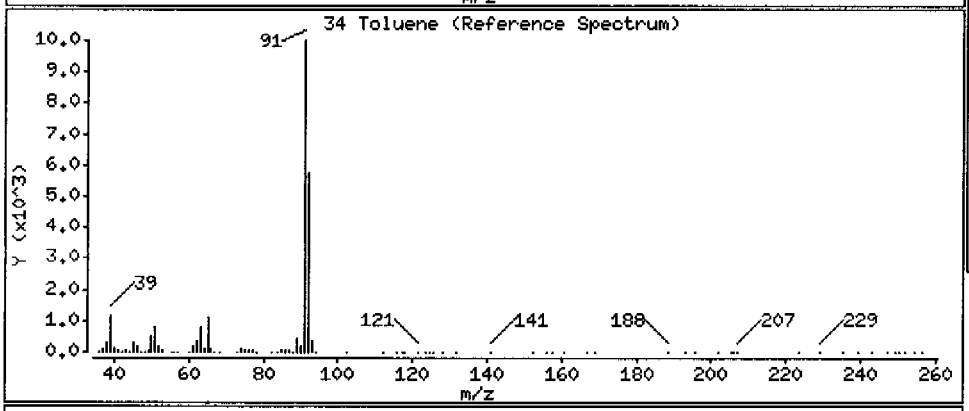
Concentration: 0.13 ug/L

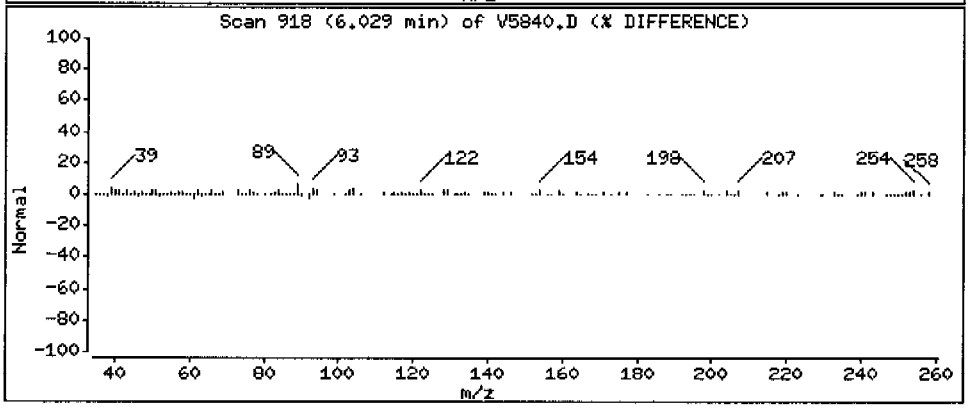












Job Number: 210038

LABORATORY TEST RESULTS

Date:07/14/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: DUP062905
Date Sampled.....: 06/29/2005
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 210038-4
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
OLC02.1	CLP Volatile Organics											
	Chloromethane	0.3	J		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Vinyl chloride	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Bromomethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Chloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	1,1-Dichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Carbon disulfide	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Acetone	2	J	B	0.1	5	1.00000	ug/L	51442		07/09/05 1721	pam
	Methylene chloride	1	J	B	0.1	2	1.00000	ug/L	51442		07/09/05 1721	pam
	trans-1,2-Dichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	1,1-Dichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	cis-1,2-Dichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	2-Butanone (MEK)	ND	U		0.1	5	1.00000	ug/L	51442		07/09/05 1721	pam
	Bromochloromethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Chloroform	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	1,1,1-Trichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Carbon tetrachloride	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Benzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	1,2-Dichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Trichloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	1,2-Dichloropropane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Bromodichloromethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	cis-1,3-Dichloropropene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.1	5	1.00000	ug/L	51442		07/09/05 1721	pam
	Toluene	0.1	J		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	trans-1,3-Dichloropropene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	1,1,2-Trichloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Tetrachloroethene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	2-Hexanone	ND	U		0.1	5	1.00000	ug/L	51442		07/09/05 1721	pam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 210038

Date:07/14/2005

CUSTOMER: ERM

PROJECT: RARCO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: DUP062905
Date Sampled.....: 06/29/2005
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 210038-4
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	1,2-Dibromoethane (EDB)	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Chlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Ethylbenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Styrene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Bromoform	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	Xylenes (total)	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	1,3-Dichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	1,4-Dichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	1,2-Dichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	1,2-Dibromo-3-chloropropane	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam
	1,2,4-Trichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51442		07/09/05 1721	pam

* In Description = Dry Wgt.

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUP062905

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Lab Sample ID: 210038-4 Date Received: 06/30/05

Lab File ID: V5841 Date Analyzed: 07/09/05

Purge Volume: 25 (mL) Dilution Factor: 1.0

GC Column: RTX-VMS ID: 0.25 (mm) Length: 60 (m)

Number TICs found: 0

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC. (ug/L)	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

STL-INC

Volatile Report OLC 2.1 METHOD

Data file : \\target1_ct\Files\chem\VOA\msv.i\V055829.b\V5841.D
Lab Smp Id: 210038-4 Client Smp ID: DUP062905
Inj Date : 09-JUL-2005 17:21 MS Autotune Date: 10-MAY-2005 11:27
Operator : D. HUMBERT Inst ID: msv.i
Smp Info : 210038-4
Misc Info : : ;;; DUP062905 ; OLC ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055829.b\VOLC21W.m
Meth Date : 19-Jul-2005 10:06 pattym Quant Type: ISTD
Cal Date : 09-JUL-2005 10:46 Cal File: V5829.D
Als bottle: 87
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

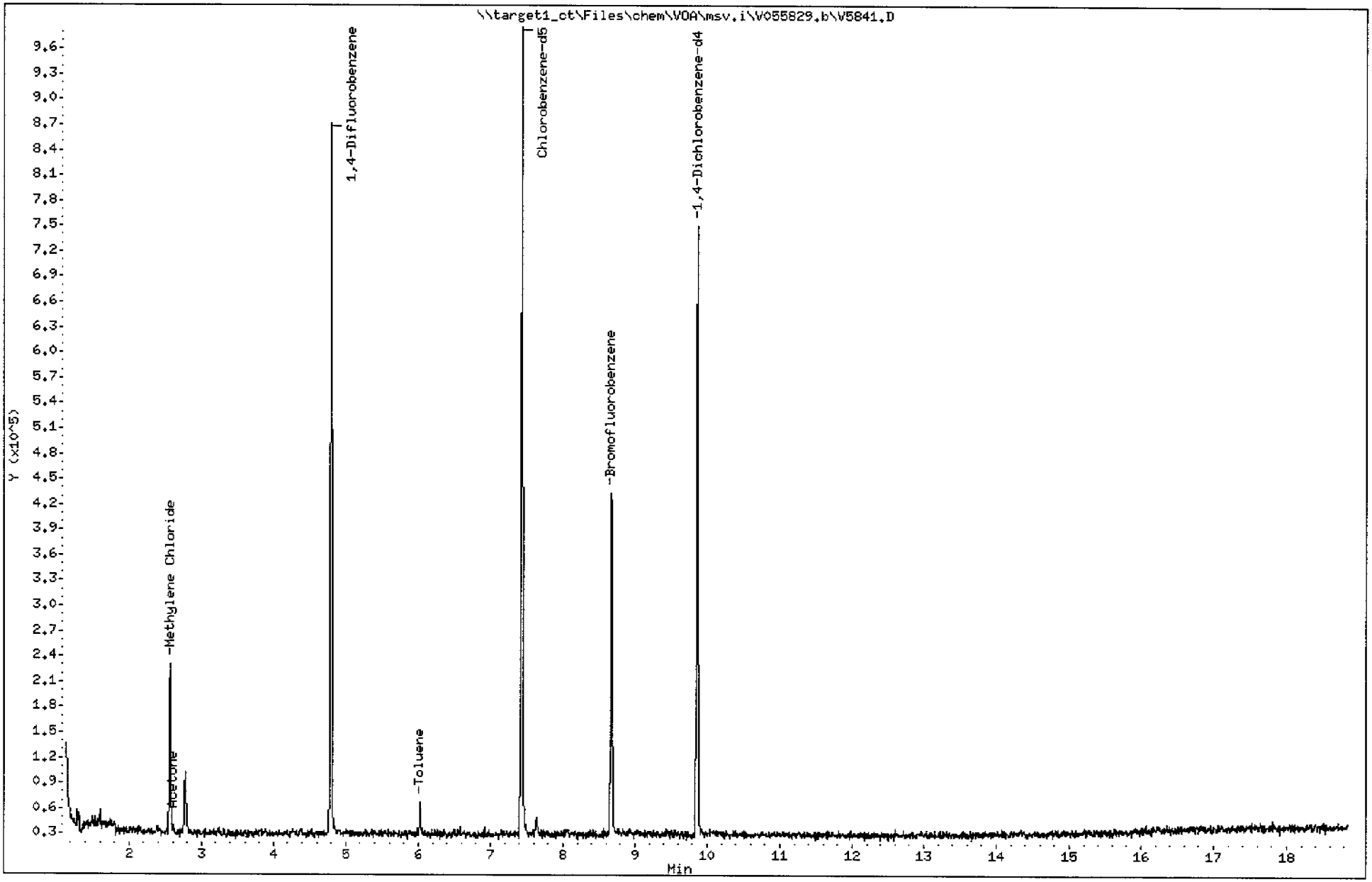
Name	Value	Description
DF	1.000	Dilution Factor
Uf	25.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	1 1,4-Difluorobenzene	114	4.796	4.790	(1.000)	551447	5.00000	
	2 Chloromethane	50	1.300	1.295	(0.271)	12026	0.26085	0.26
	9 Methylene Chloride	84	2.559	2.559	(0.534)	55038	1.14129	1.1
	10 Acetone	43	2.608	2.597	(0.544)	8559	1.50966	1.5
$	21 Bromofluorobenzene	95	8.670	8.670	(1.808)	123856	4.40211	4.4
*	22 Chlorobenzene-d5	117	7.432	7.432	(1.000)	459193	5.00000	
	34 Toluene	91	6.028	6.028	(0.811)	20022	0.11608	0.12
*	45 1,4-Dichlorobenzene-d4	152	9.866	9.866	(1.000)	183661	5.00000	

Data File: \\target1_ct\Files\chem\VOA\msv.i\V055829.b\V5841.D
Date : 09-JUL-2005 17:21
Client ID: DUP062905
Sample Info: 210038-4
Purge Volume: 25.0
Column phase: RTX-VMS

Instrument: msv.i

Operator: D. HUMBERT
Column diameter: 0.25



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Date : 09-JUL-2005 17:21

Client ID: DUP062905

Instrument: msv.i

Sample Info: 210038-4

Purge Volume: 25.0

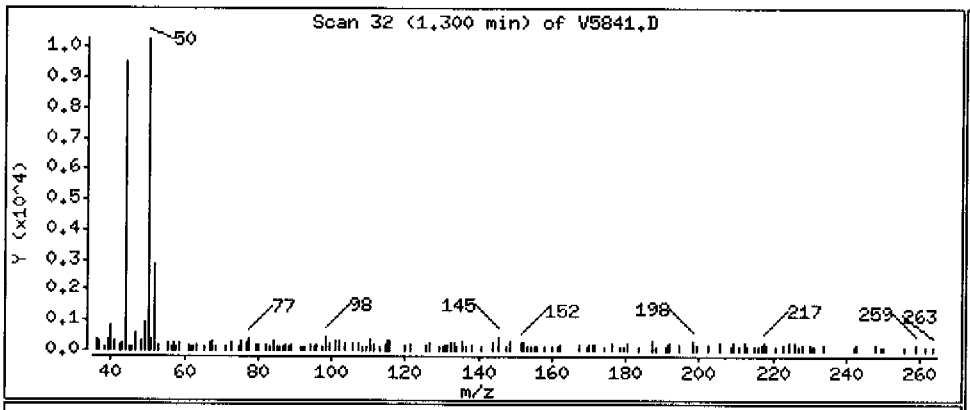
Operator: D. HUMBERT

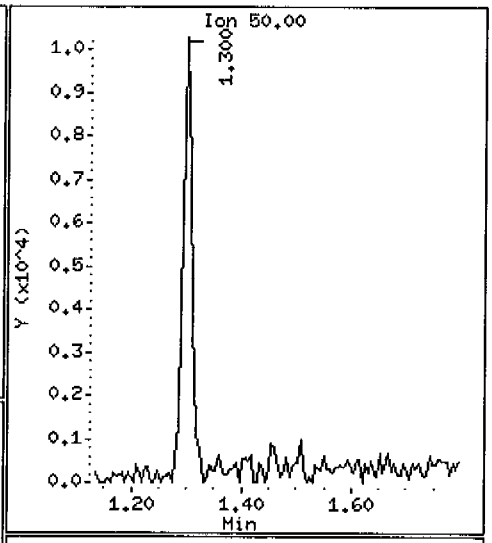
Column phase: RTX-VMS

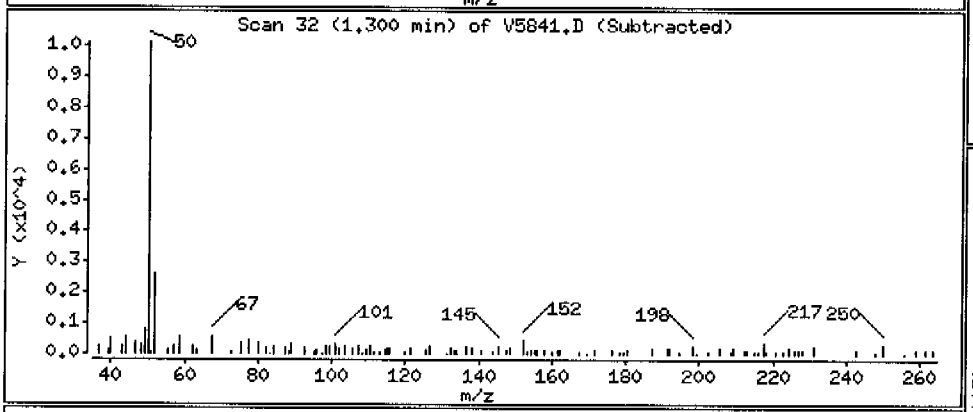
Column diameter: 0.25

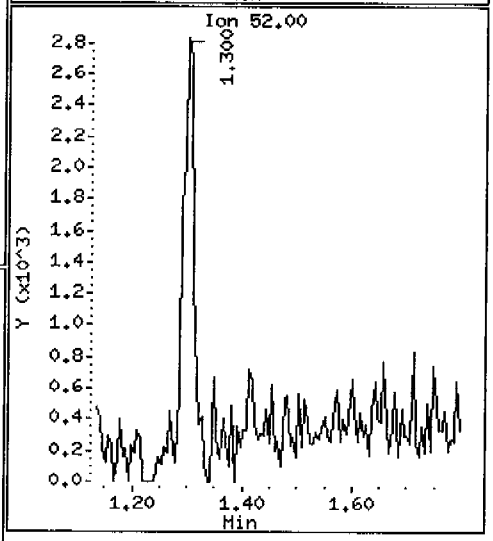
2 Chloromethane

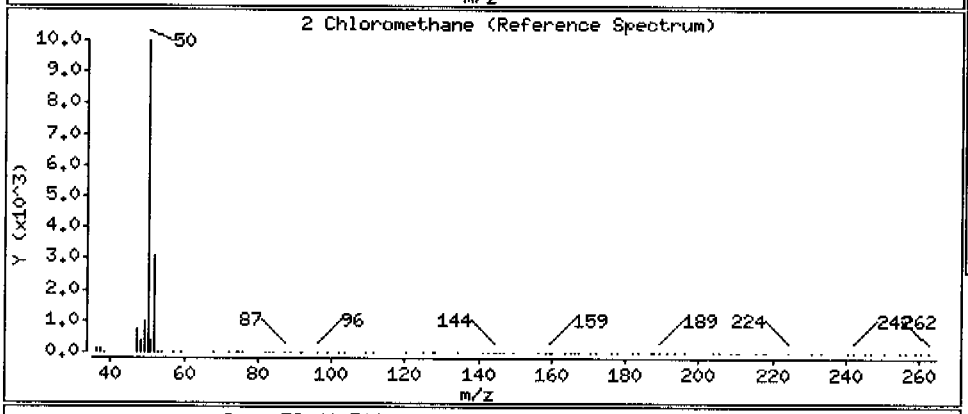
Concentration: 0.26 ug/L

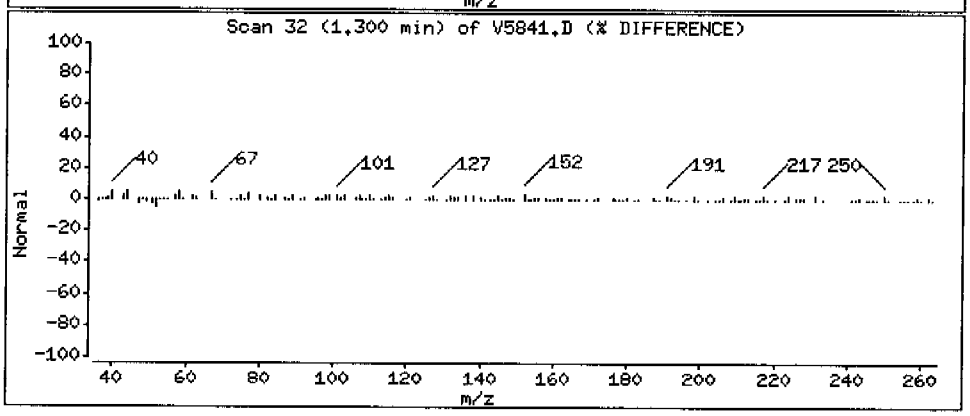












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Date : 09-JUL-2005 17:21

Client ID: DUP062905

Instrument: msv.i

Sample Info: 210038-4

Purge Volume: 25.0

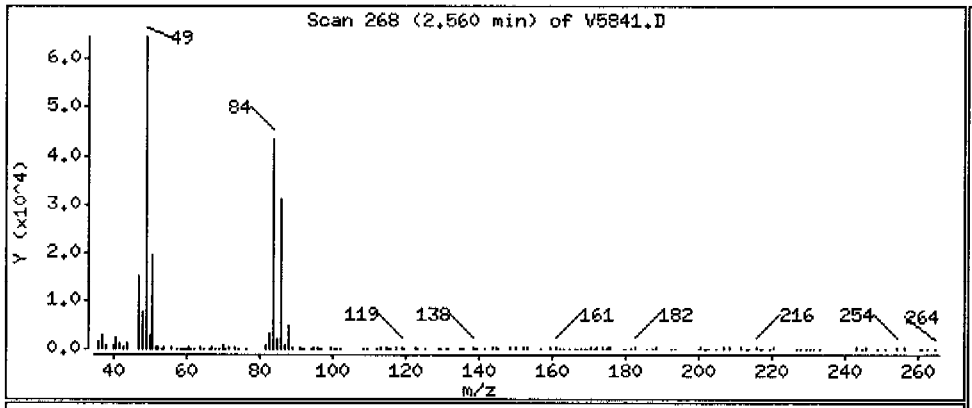
Operator: D. HUMBERT

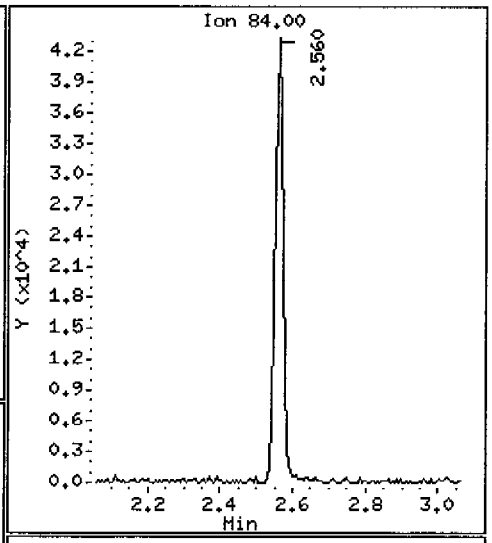
Column phase: RTX-VMS

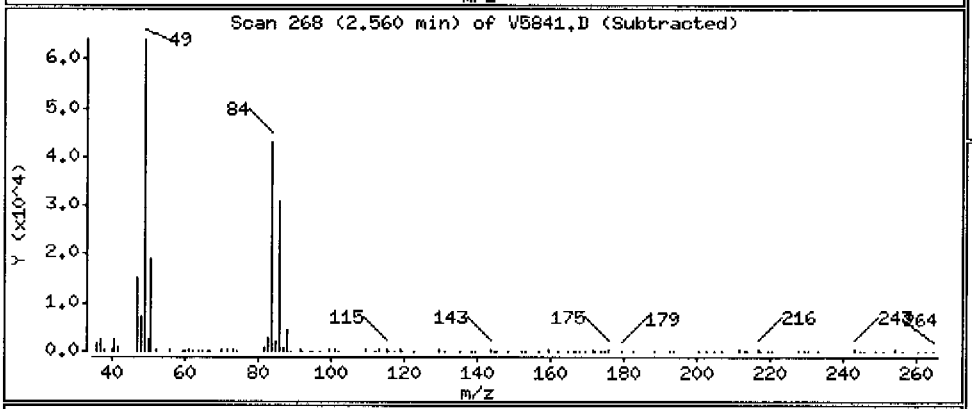
Column diameter: 0.25

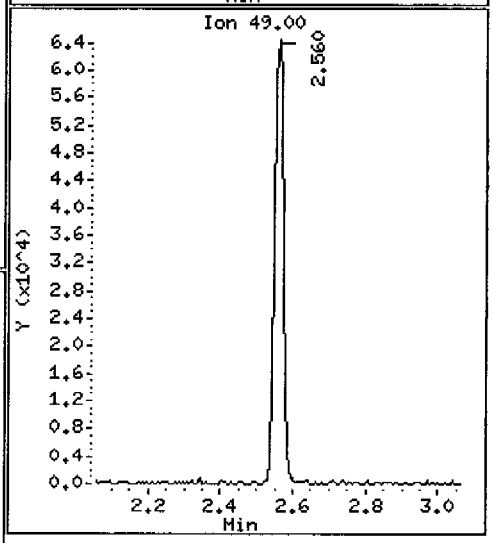
9 Methylene Chloride

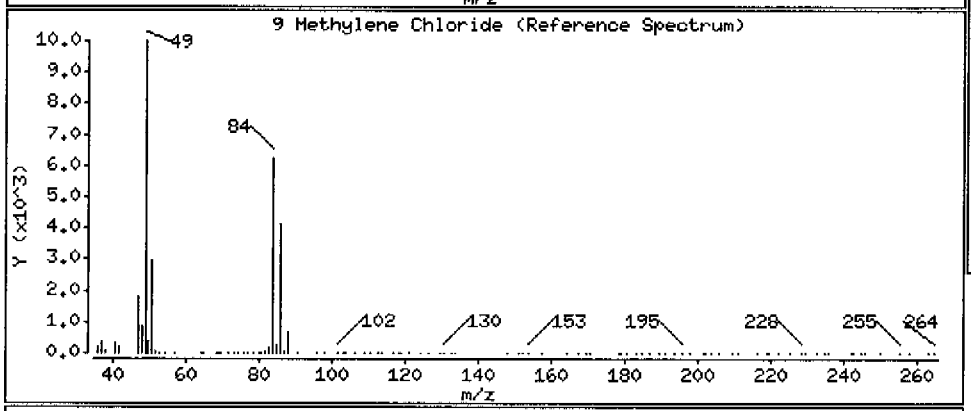
Concentration: 1.1 ug/L

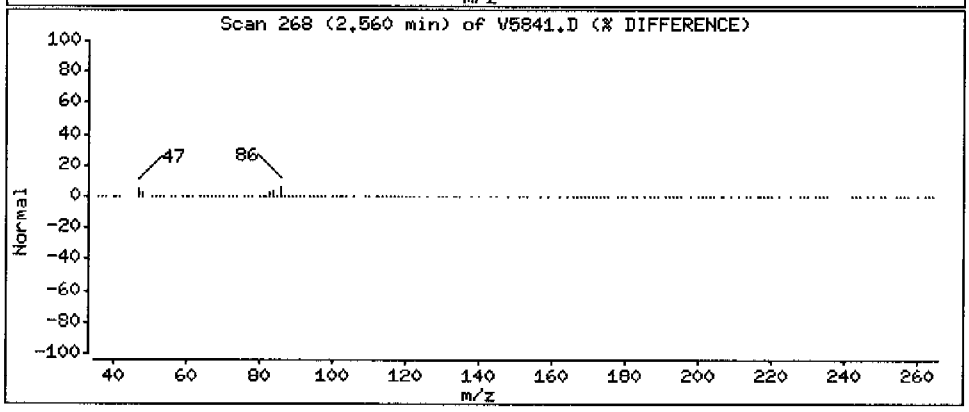












Data File: \\target1_ct\Files\chem\VOA\msv.i\V055829.b\V5841.D

Date : 09-JUL-2005 17:21

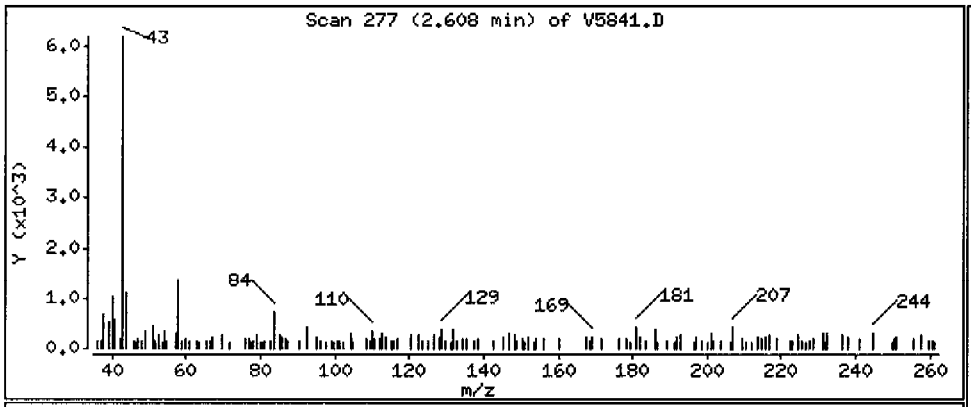
Client ID: DUP062905 Instrument: msv.i

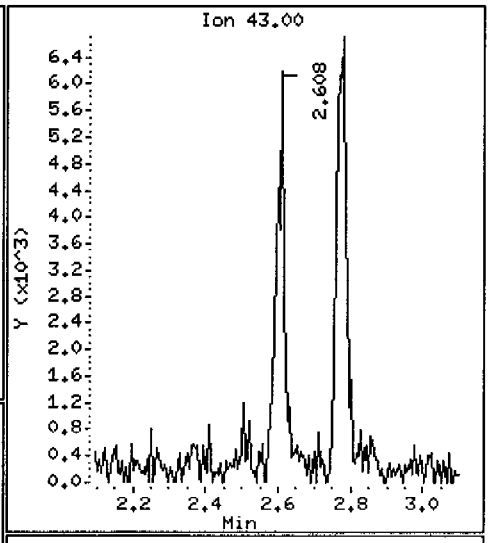
Sample Info: 210038-4

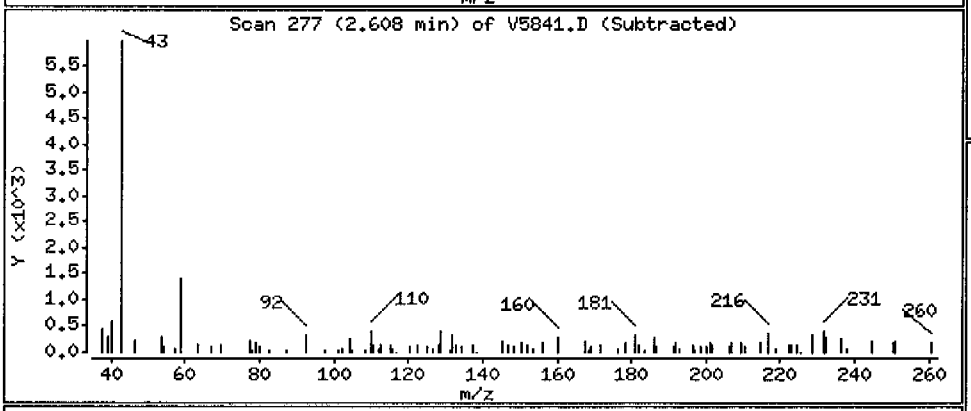
Purge Volume: 25.0 Operator: D. HUMBERT

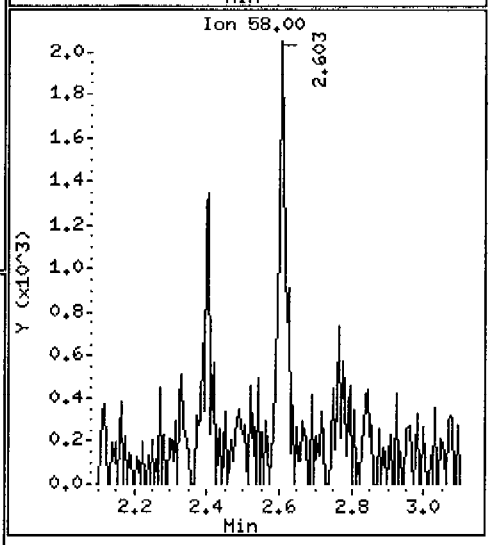
Column phase: RTX-VMS Column diameter: 0.25

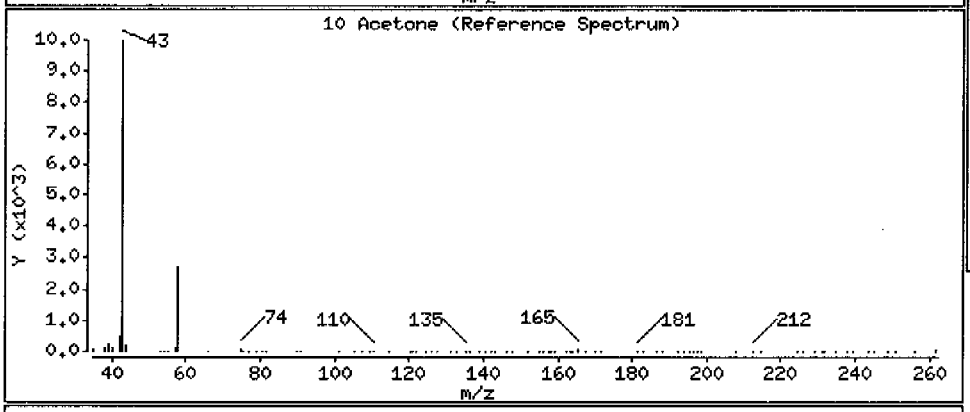
10 Acetone Concentration: 1.5 ug/L

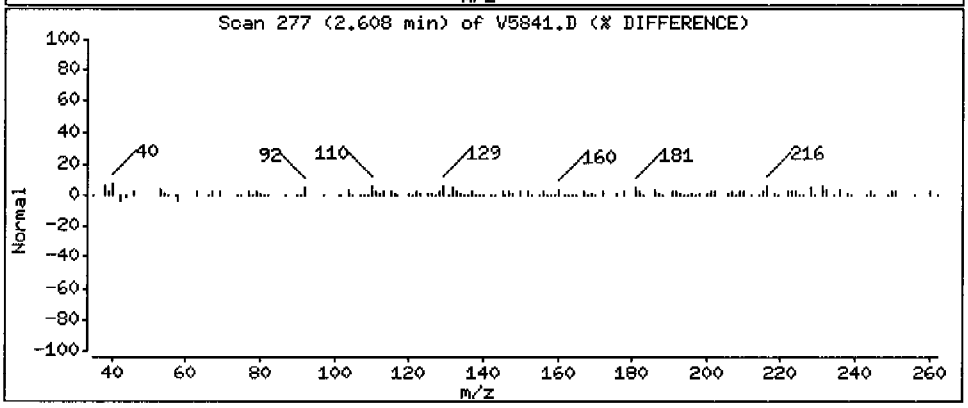












Data File: \\target1_ct\Files\chem\VOA\msv.i\V055829.b\V5841.D

Date : 09-JUL-2005 17:21

Client ID: DUP062905

Instrument: msv.i

Sample Info: 210038-4

Purge Volume: 25.0

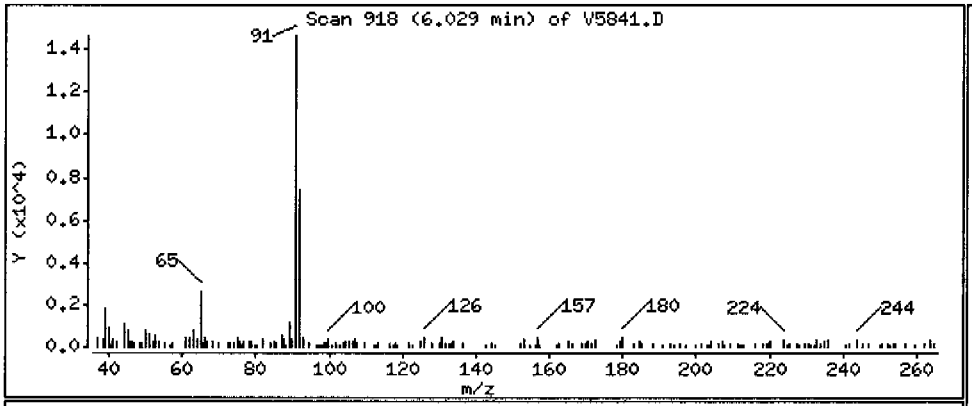
Operator: D. HUMBERT

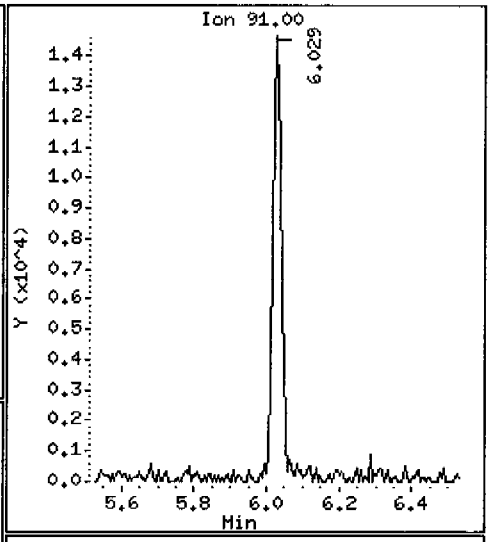
Column phase: RTX-VMS

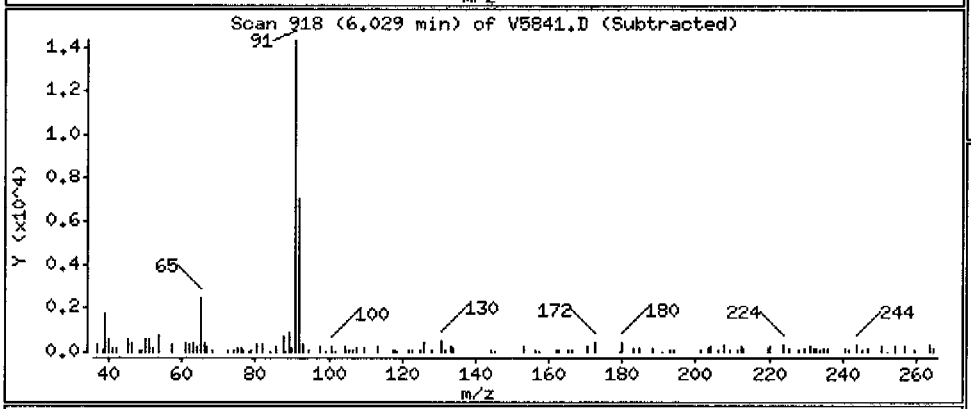
Column diameter: 0.25

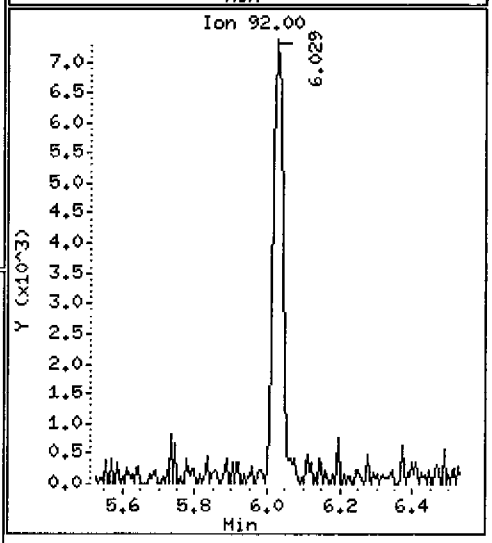
34 Toluene

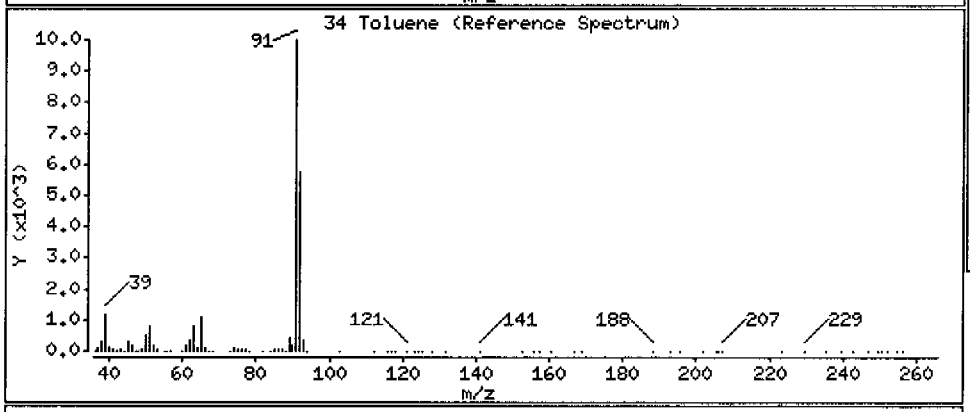
Concentration: 0.12 ug/L

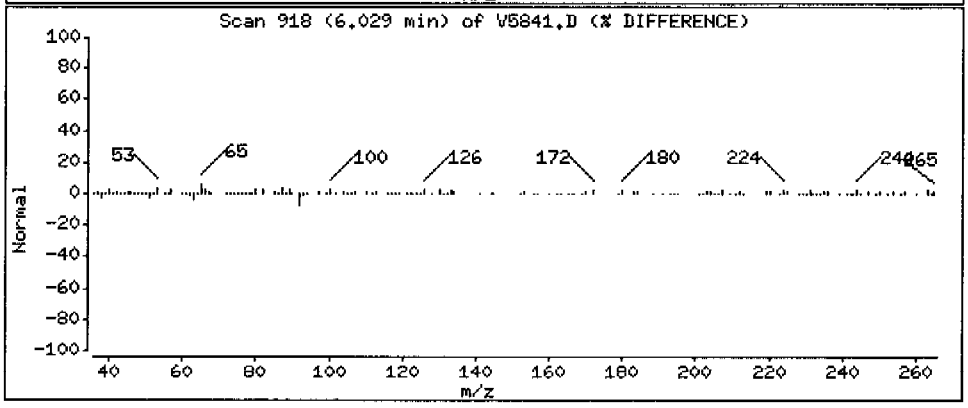












LABORATORY TEST RESULTS

Job Number: 210038 Date:07/14/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

Customer Sample ID: TRIP BLANK
Date Sampled.....: 06/29/2005
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 210038-5
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
OLC02.1	CLP Volatile Organics											
	Chloromethane	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Vinyl chloride	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Bromomethane	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Chloroethane	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	1,1-Dichloroethene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Carbon disulfide	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Acetone	3	J	B	0.1	5	1.00000	ug/L	51441		07/07/05 2327	pam
	Methylene chloride	5		B	0.1	2	1.00000	ug/L	51441		07/07/05 2327	pam
	trans-1,2-Dichloroethene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	1,1-Dichloroethane	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	cis-1,2-Dichloroethene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	2-Butanone (MEK)	1	J		0.1	5	1.00000	ug/L	51441		07/07/05 2327	pam
	Bromochloromethane	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Chloroform	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	1,1,1-Trichloroethane	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Carbon tetrachloride	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Benzene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	1,2-Dichloroethane	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Trichloroethene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	1,2-Dichloropropane	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Bromodichloromethane	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	cis-1,3-Dichloropropene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.1	5	1.00000	ug/L	51441		07/07/05 2327	pam
	Toluene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	trans-1,3-Dichloropropene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	1,1,2-Trichloroethane	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Tetrachloroethene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	2-Hexanone	ND	U		0.1	5	1.00000	ug/L	51441		07/07/05 2327	pam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 210038 Date:07/14/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

Customer Sample ID: TRIP BLANK
Date Sampled.....: 06/29/2005
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 210038-5
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	1,2-Dibromoethane (EDB)	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Chlorobenzene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Ethylbenzene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Styrene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Bromoform	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	Xylenes (total)	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	1,3-Dichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	1,4-Dichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	1,2-Dichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	1,2-Dibromo-3-chloropropane	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam
	1,2,4-Trichlorobenzene	ND	U		0.1	1	1.00000	ug/L	51441		07/07/05 2327	pam

* In Description = Dry Wgt.

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Lab Sample ID: 210038-5 Date Received: 06/30/05

Lab File ID: V5788 Date Analyzed: 07/07/05

Purge Volume: 25 (mL) Dilution Factor: 1.0

GC Column: RTX-VMS ID: 0.25 (mm) Length: 60 (m)

Number TICs found: 1

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC. (ug/L)	Q
1.	75-28-5	ISOBUTANE	1.24	7.4	NJ
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

STL-INC

Volatile Report OLC 2.1 METHOD

Data file : \\target1_ct\Files\chem\VOA\msv.i\V055785.b\V5788.D
Lab Smp Id: 210038-5 Client Smp ID: TRIP BLANK
Inj Date : 07-JUL-2005 23:27 MS Autotune Date: 10-MAY-2005 11:27
Operator : D. HUMBERT Inst ID: msv.i
Smp Info : 210038-5
Misc Info : : ;;; TRIP BLANK ; OLC ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055785.b\VOLC21W.m
Meth Date : 14-Jul-2005 07:44 pattym Quant Type: ISTD
Cal Date : 07-JUL-2005 21:28 Cal File: V5785.D
Als bottle: 48
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	25.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
*	1 1,4-Difluorobenzene	114	4.790	4.790	(1.000)	1070518	5.00000	
	9 Methylene Chloride	84	2.559	2.560	(0.534)	270624	4.64672	4.6
	10 Acetone	43	2.602	2.597	(0.543)	15716	2.95562	3.0
	19 2-Butanone	43	4.059	4.059	(0.847)	11075	1.45087	1.5
$	21 Bromofluorobenzene	95	8.670	8.670	(1.810)	292491	4.73895	4.7
*	22 Chlorobenzene-d5	117	7.432	7.432	(1.000)	860055	5.00000	
*	45 1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	386984	5.00000	

STL-INC

Volatile Report OLC 2.1 METHOD

Data file : \\target1_ct\Files\chem\VOA\msv.i\V055785.b\V5788.D
Lab Smp Id: 210038-5 Client Smp ID: TRIP BLANK
Inj Date : 07-JUL-2005 23:27 MS Autotune Date: 10-MAY-2005 11:27
Operator : D. HUMBERT Inst ID: msv.i
Smp Info : 210038-5
Misc Info : : ;;; TRIP BLANK ; OLC ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055785.b\VOLC21W.m
Meth Date : 14-Jul-2005 07:44 pattym Quant Type: ISTD
Cal Date : 07-JUL-2005 21:28 Cal File: V5785.D
Als bottle: 48
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10

Concentration Formula: Amt * DF * Uf * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	25.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

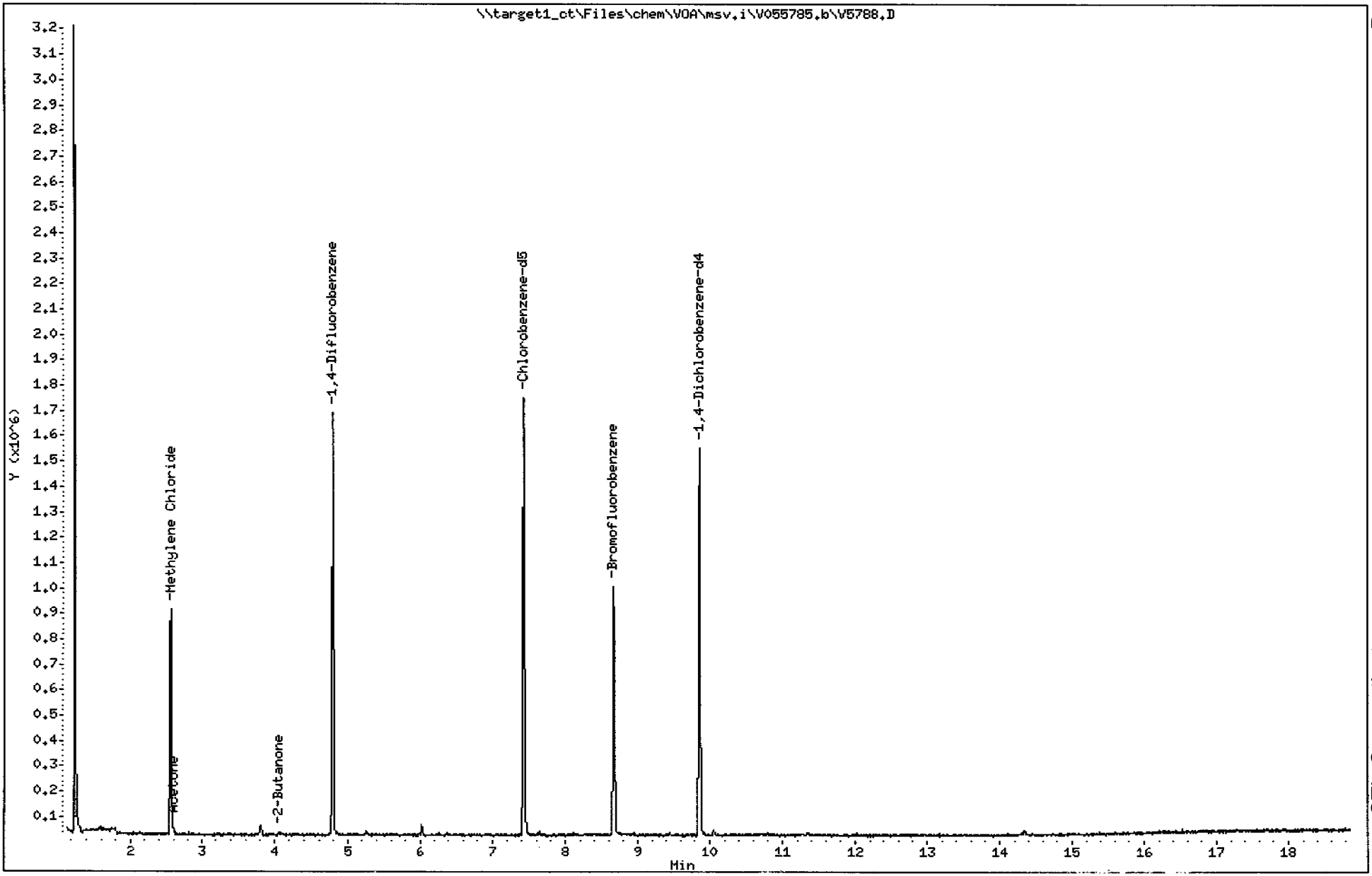
ISTD	RT	AREA	AMOUNT
* 1 1,4-Difluorobenzene	4.791	2467915	5.000

	CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
1.236	3643068	7.38086226	7.4	86	Nist98.1	109241	1

Isobutane CAS #: 75-28-5

Data File: \\target1_ct\Files\chem\VOA\msv.i\V055785.b\V5788.D
Date : 07-JUL-2005 23:27
Client ID: TRIP BLANK
Sample Info: 210038-5
Purge Volume: 25.0
Column phase: RTX-VMS

Instrument: msv.i
Operator: D. HUMBERT
Column diameter: 0.25



Data File: \\target1_ct\Files\chem\VOA\msv.i\V055785.b\V5788.D

Date : 07-JUL-2005 23:27

Client ID: TRIP BLANK

Instrument: msv.i

Sample Info: 210038-5

Purge Volume: 25.0

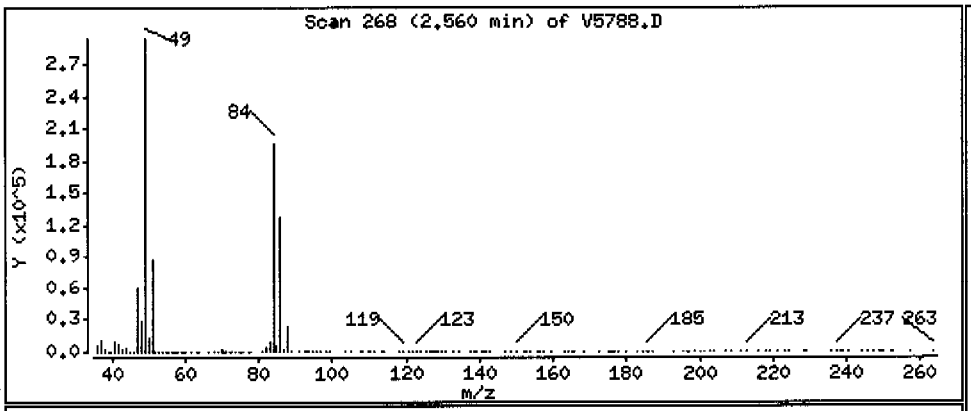
Operator: D. HUMBERT

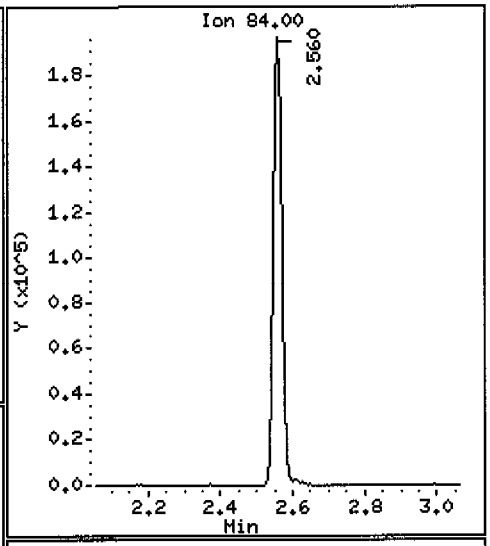
Column phase: RTX-VMS

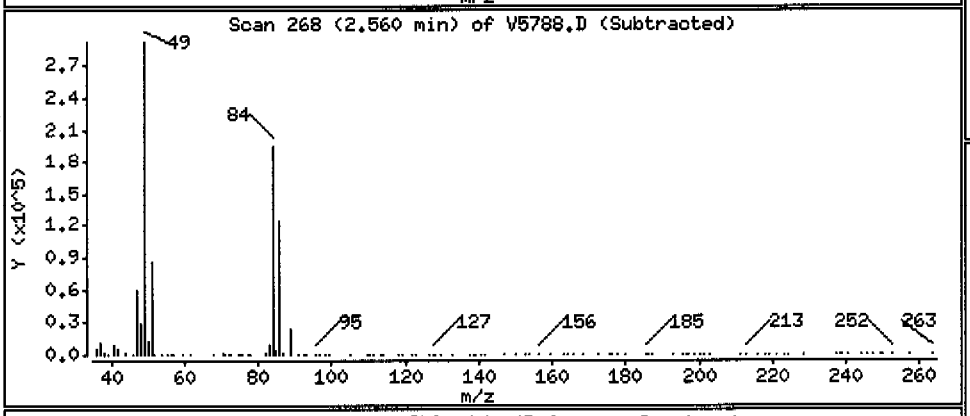
Column diameter: 0.25

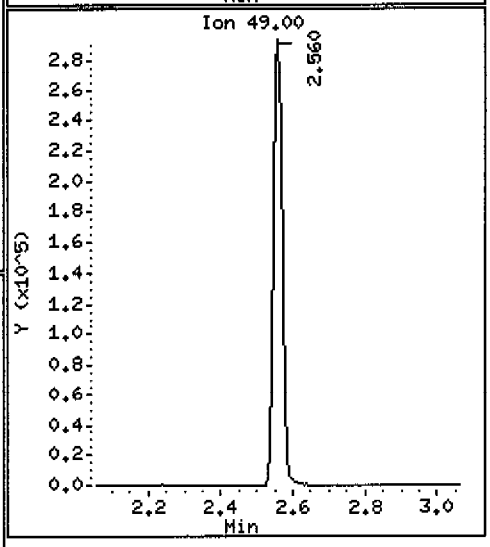
9 Methylene Chloride

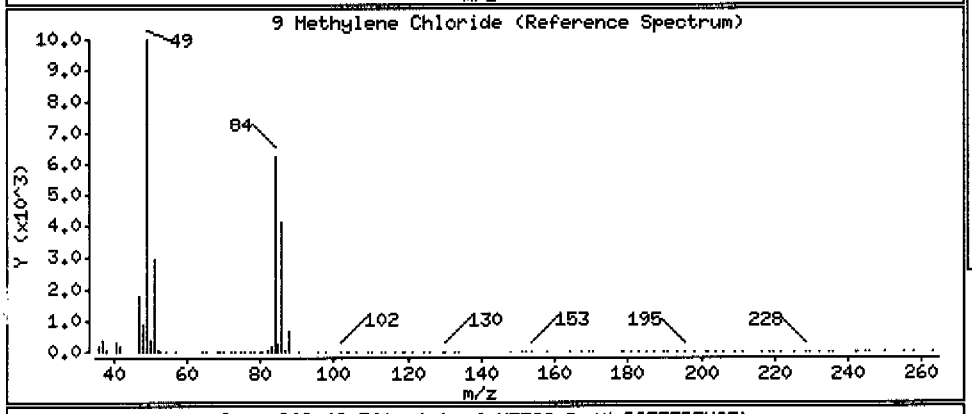
Concentration: 4.6 ug/L

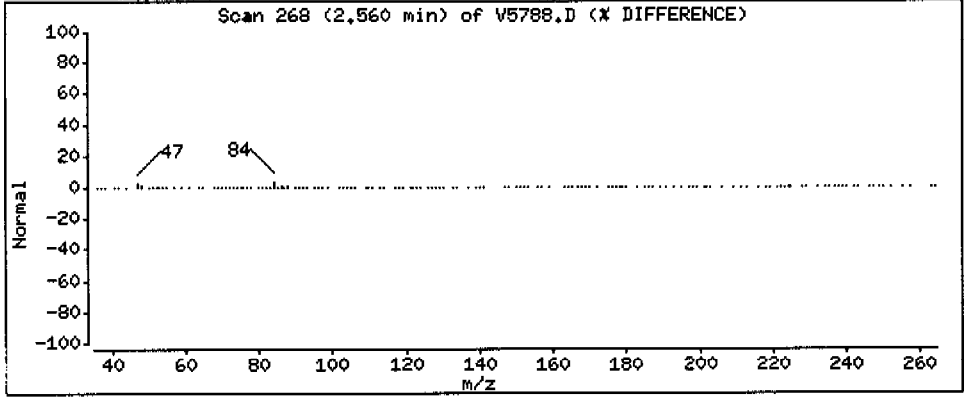












Data File: \\target1_ct\Files\chem\VOA\msv.i\V055785.b\V5788.D

Date : 07-JUL-2005 23:27

Client ID: TRIP BLANK

Instrument: msv.i

Sample Info: 210038-5

Purge Volume: 25.0

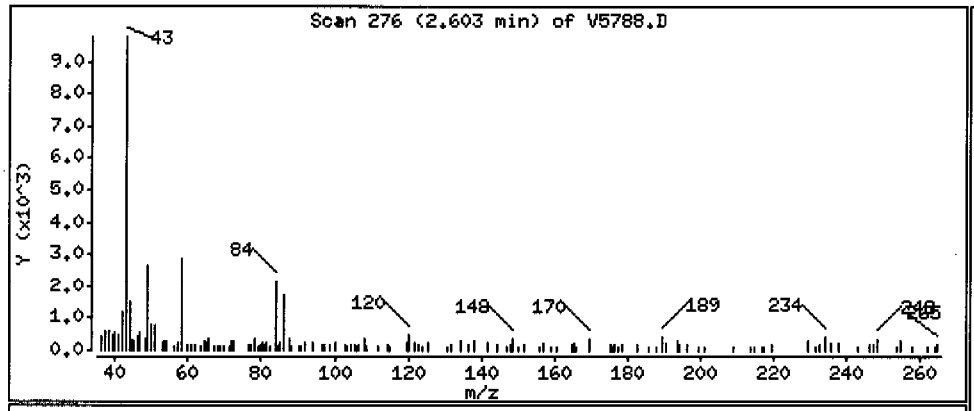
Operator: D. HUMBERT

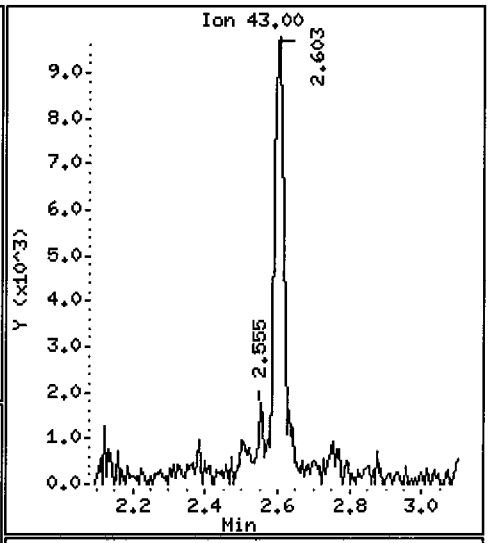
Column phase: RTX-VMS

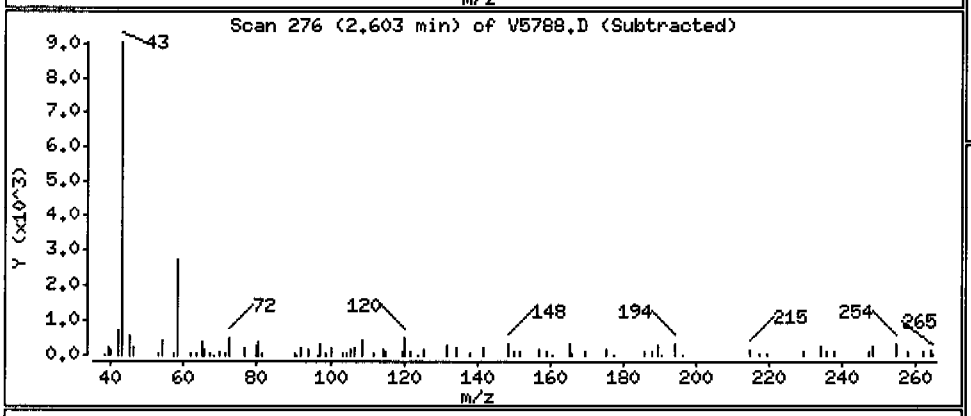
Column diameter: 0.25

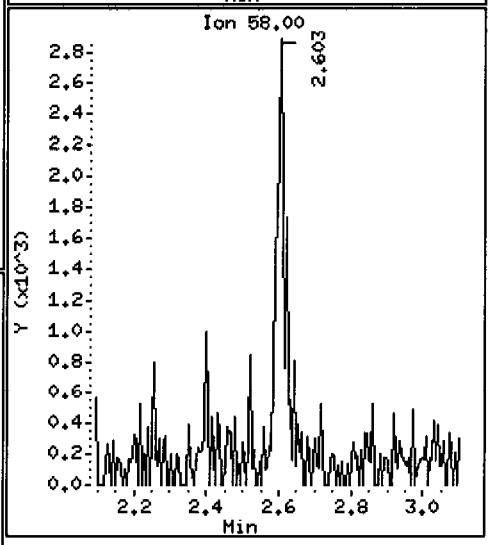
10 Acetone

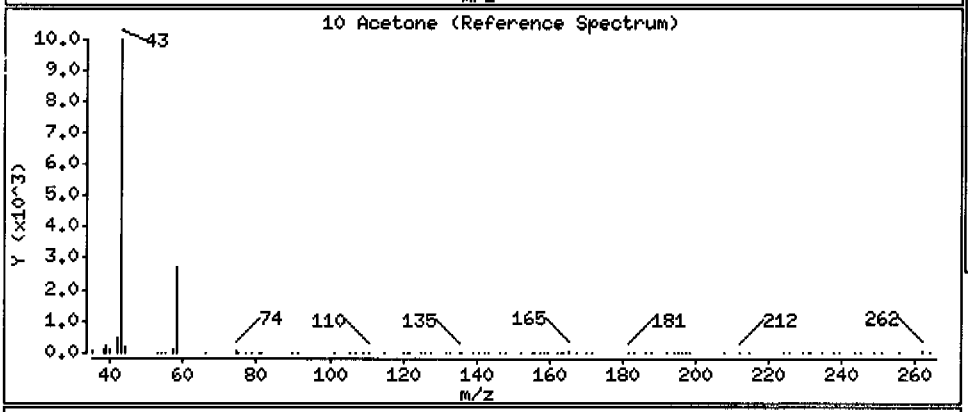
Concentration: 3.0 ug/L

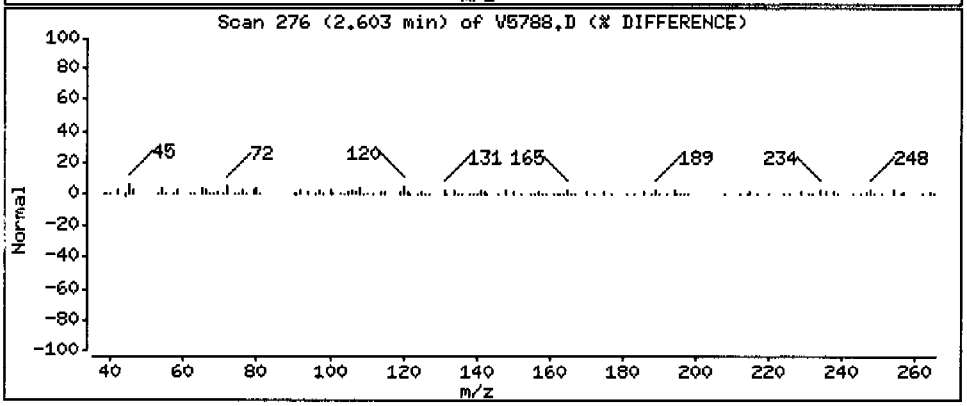












Data File: \\target1_ct\Files\chem\VOA\msv.i\V055785.b\V5788.D

Date : 07-JUL-2005 23:27

Client ID: TRIP BLANK

Instrument: msv.i

Sample Info: 210038-5

Purge Volume: 25.0

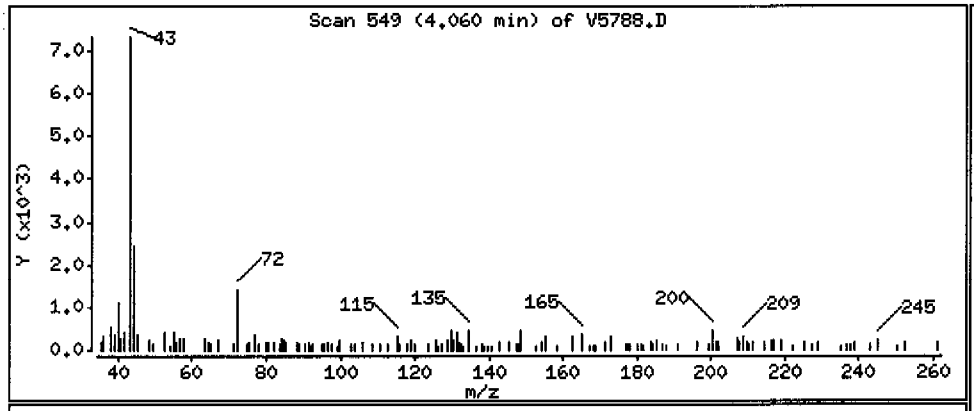
Operator: D. HUMBERT

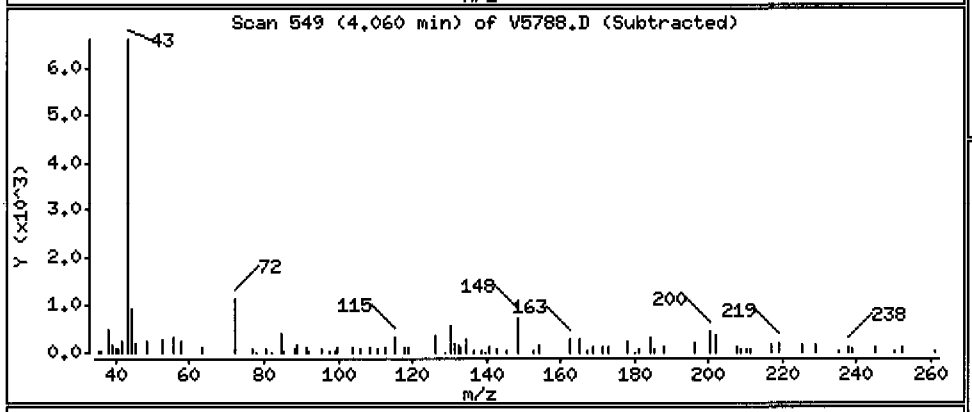
Column phase: RTX-VMS

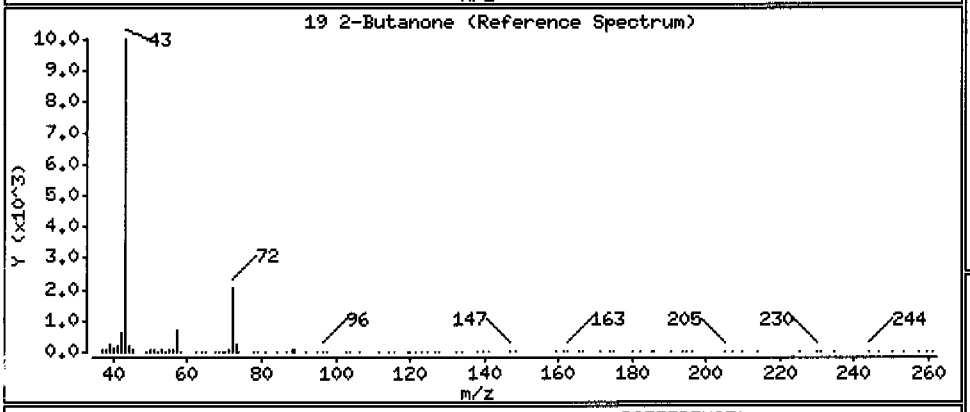
Column diameter: 0.25

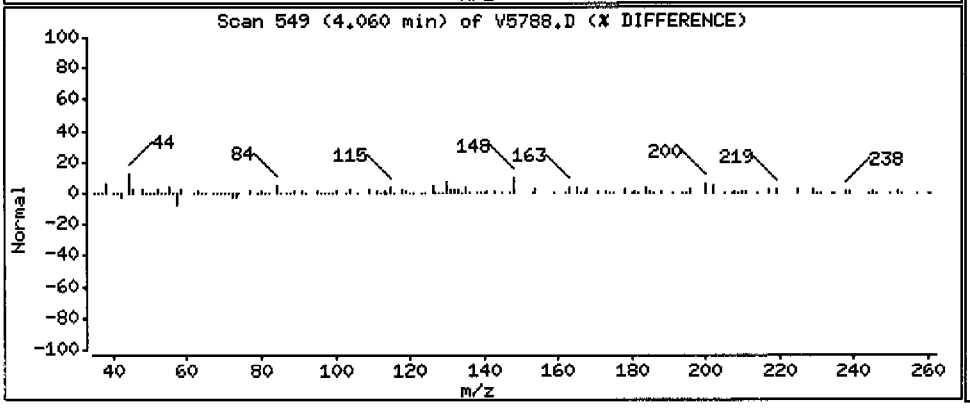
19 2-Butanone

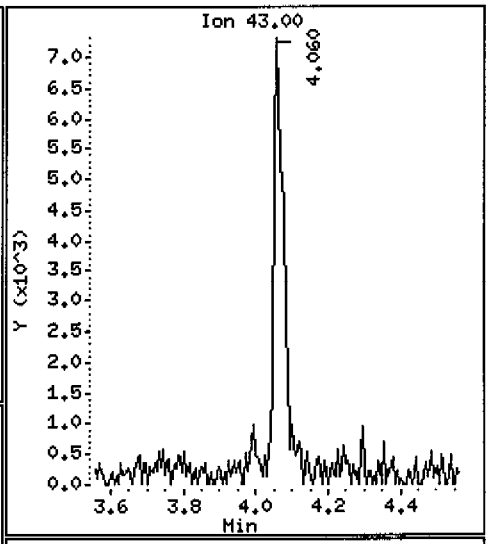
Concentration: 1.5 ug/L

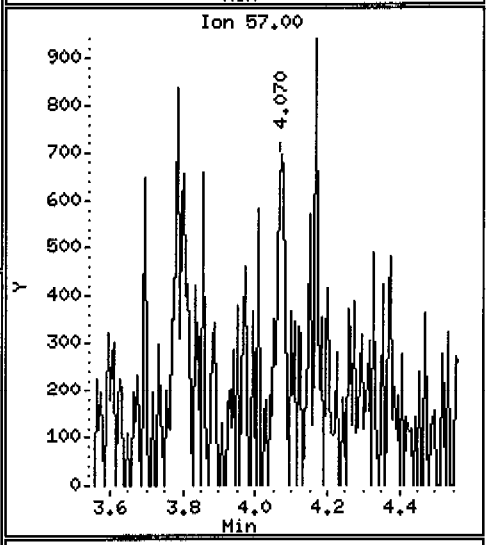


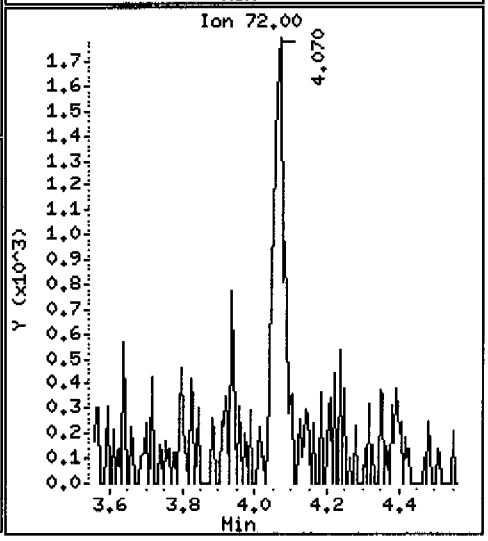












Data File: \\target1_ct\Files\chem\VOA\msv.i\V055785.b\V5788.D

Date : 07-JUL-2005 23:27

Client ID: TRIP BLANK

Instrument: msv.i

Sample Info: 210038-5

Purge Volume: 25.0

Operator: D. HUMBERT

Column phase: RTX-VMS

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
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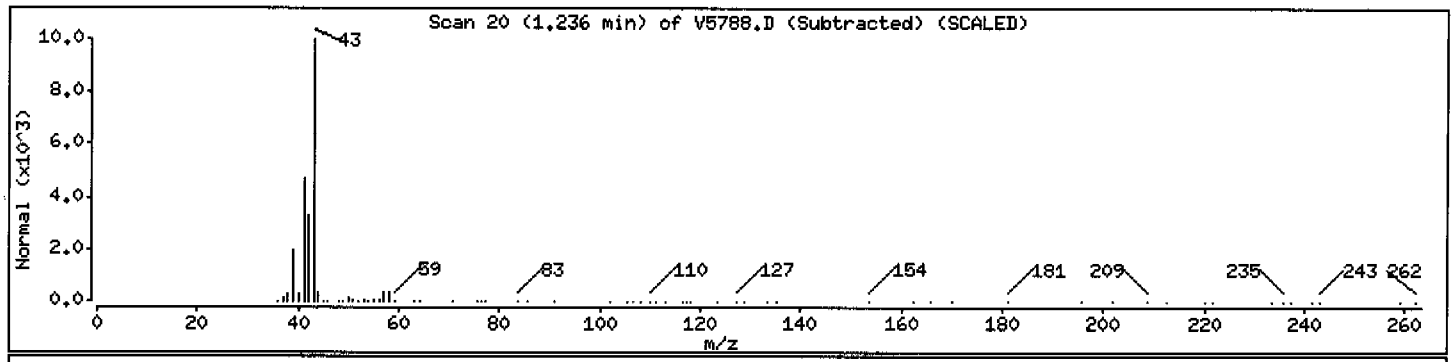
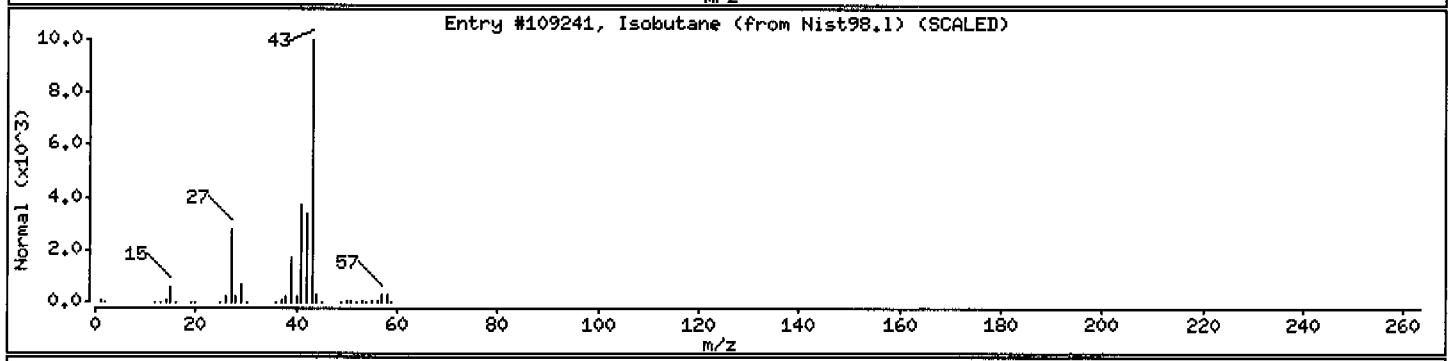




6LCA

LOW CONC. WATER VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Instrument ID: MSV Calibration Date(s): 07/07/05 07/07/05
Calibration Time(s): 1656 1854

GC Column: RTX-VMS ID: 0.25 (mm)

LAB FILE ID: RRF1 =V5779 RRF2 =V5780
RRF5 =V5781 RRF10 =V5782 RRF25 =V5783

COMPOUND	RRF1	RRF2	RRF5	RRF10	RRF25	$\overline{RRF}$	% RSD
Chloromethane *	0.420	0.415	0.423	0.407	0.411	0.415	1.6*
Vinyl Chloride *	0.465	0.467	0.480	0.463	0.480	0.471	1.8*
Bromomethane *	0.111	0.116	0.116	0.127	0.148	0.124	12.0*
Chloroethane *	0.278	0.273	0.261	0.234	0.163	0.242	19.4*
Trichlorofluoromethane *	0.492	0.465	0.492	0.490	0.464	0.481	3.1*
Acrolein *	0.005	0.005	0.005	0.004	0.004	0.005	6.5*
1,1-Dichloroethene *	0.304	0.305	0.321	0.318	0.334	0.316	3.9*
Acetone *	0.035	0.031	0.027	0.028	0.028	0.030	11.1*
Carbon Disulfide *	1.903	1.872	1.995	2.010	1.949	1.946	3.0*
Methylene Chloride *	0.328	0.301	0.277	0.262	0.269	0.287	9.4*
trans-1,2-Dichloroethene *	0.345	0.331	0.355	0.358	0.373	0.352	4.4*
Acrylonitrile *	0.026	0.028	0.028	0.032	0.034	0.030	11.8*
1,1-Dichloroethane *	0.604	0.608	0.617	0.612	0.650	0.618	3.0*
cis-1,2-Dichloroethene *	0.301	0.309	0.326	0.329	0.344	0.322	5.3*
2-Butanone *	0.041	0.040	0.040	0.042	0.045	0.042	4.5*
Bromochloromethane *	0.096	0.090	0.091	0.091	0.093	0.092	2.4*
Chloroform *	0.510	0.502	0.524	0.521	0.543	0.520	2.9*
1,1,1-Trichloroethane *	0.640	0.624	0.664	0.651	0.667	0.649	2.7*
Carbon Tetrachloride *	0.566	0.537	0.571	0.571	0.583	0.566	3.0*
Benzene *	1.590	1.560	1.652	1.613	1.750	1.633	4.5*
1,2-Dichloroethane *	0.242	0.251	0.248	0.249	0.257	0.249	2.2*
Trichloroethene *	0.472	0.472	0.506	0.484	0.493	0.485	3.0*
1,2-Dichloropropane *	0.346	0.332	0.344	0.347	0.355	0.345	2.5*
Bromodichloromethane *	0.367	0.359	0.372	0.374	0.390	0.372	3.1*
2-Chloroethylvinylether *	0.060	0.067	0.072	0.086	0.093	0.076	18.1*
cis-1,3-Dichloropropene *	0.370	0.387	0.427	0.435	0.458	0.415	8.7*
trans-1,3-Dichloropropene *	0.272	0.286	0.319	0.318	0.342	0.307	9.1*
1,1,2-Trichloroethane *	0.160	0.163	0.173	0.170	0.174	0.168	3.9*
4-Methyl-2-Pentanone *	0.092	0.101	0.114	0.122	0.138	0.113	15.6*
Toluene *	1.644	1.703	1.820	1.846	2.018	1.806	8.0*
Tetrachloroethene *	0.390	0.383	0.400	0.384	0.389	0.389	1.8*
2-Hexanone *	0.052	0.058	0.071	0.076	0.087	0.069	20.2*
Dibromochloromethane *	0.217	0.204	0.217	0.215	0.225	0.216	3.5*
1,2-Dibromoethane *	0.110	0.108	0.111	0.111	0.117	0.111	3.1*
Chlorobenzene *	1.070	1.050	1.086	1.091	1.166	1.093	4.0*
Ethylbenzene *	0.606	0.624	0.662	0.668	0.712	0.654	6.3*
Xylene (total)mp *	0.766	0.788	0.864	0.876	1.014	0.862	11.3*
Xylene (total)o *	0.661	0.661	0.748	0.759	0.852	0.736	10.8*
Styrene *	0.835	0.920	1.070	1.160	1.367	1.070	19.5*
Bromoform *	0.206	0.210	0.228	0.234	0.253	0.226	8.4*
1,1,2,2-Tetrachloroethane *	0.141	0.143	0.148	0.155	0.167	0.151	7.0*
1,3-Dichlorobenzene *	1.338	1.346	1.405	1.378	1.487	1.391	4.3*
1,4-Dichlorobenzene *	1.323	1.327	1.391	1.340	1.436	1.363	3.6*

* Compounds with required minimum RRF and maximim %RSD values.
@ These compounds must meet only a minimum RRF of 0.010.
# These compounds have no minimum RRF and maximum %RSD values.

LOW CONC. WATER VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Instrument ID: MSV Calibration Date(s): 07/07/05 07/07/05
Calibration Time(s): 1656 1854

GC Column: RTX-VMS ID: 0.25 (mm)

LAB FILE ID: RRF1 =V5779 RRF2 =V5780
RRF5 =V5781 RRF10 =V5782 RRF25 =V5783

COMPOUND		RRF1	RRF2	RRF5	RRF10	RRF25	$\overline{RRF}$	% RSD
1,2-Dichlorobenzene	*	1.049	1.021	1.101	1.092	1.144	1.081	4.4*
1,2-Dibromo-3-chloropropane	*	0.029	0.036	0.030	0.033	0.037	0.033	10.2*
1,2,4-Trichlorobenzene	*	0.462	0.507	0.572	0.619	0.714	0.575	17.1*
Xylene (total)	*	0.731	0.746	0.825	0.837	0.960	0.820	11.1*
1,2-Dichloroethene (total)	*	0.323	0.320	0.340	0.344	0.358	0.337	4.7*
Vinyl Acetate	*	0.035	0.030	0.028	0.032	0.035	0.032	9.6*
Bromofluorobenzene	*	0.297	0.282	0.305	0.338	0.374	0.319	11.5*

* Compounds with required minimum RRF and maximim %RSD values.
@ These compounds must meet only a minimum RRF of 0.010.
# These compounds have no minimum RRF and maximum %RSD values.

STL-CT

Volatile Report OLC 2.1 METHOD

Data file : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055773.b\V5779.D
Lab Smp Id: VSTD001VQ Client Smp ID: VSTD001VQ
Inj Date : 07-JUL-2005 16:56 MS Autotune Date: 10-MAY-2005 11:27
Operator : D. HUMBERT Inst ID: msv.i
Smp Info : VSTD001VQ
Misc Info : : ;;; VSTD001VQ ; OLC ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055773.b\VOLC21W.m
Meth Date : 07-Jul-2005 19:24 dave Quant Type: ISTD
Cal Date : 07-JUL-2005 16:56 Cal File: V5779.D
Als bottle: 44 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: CONMSLNT

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	25.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

7/11/05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
*	1 1,4-Difluorobenzene	114	4.790	4.790	(1.000)	1208958	5.00000	
	2 Chloromethane	50	1.295	1.295	(0.270)	101649	1.00000	1.0
	3 Vinyl Chloride	62	1.348	1.348	(0.281)	112517	1.00000	1.0
	4 Bromomethane	94	1.567	1.562	(0.327)	26944	1.00000	1.0
	5 Chloroethane	64	1.652	1.636	(0.345)	67107	1.00000	1.0
	6 Trichlorofluoromethane	101	1.748	1.732	(0.365)	118886	1.00000	1.0
	7 1,1-Dichloroethene	96	2.117	2.111	(0.442)	73500	1.00000	1.0
	8 Carbon Disulfide	76	2.133	2.127	(0.445)	460064	1.00000	1.0
	9 Methylene Chloride	84	2.560	2.560	(0.534)	79261	1.00000	1.0
	10 Acetone	43	2.602	2.602	(0.543)	42396	5.00000	5.0
	11 trans-1,2-Dichloroethene	96	2.688	2.682	(0.561)	83379	1.00000	1.0
	12 Acrolein	56	2.768	2.773	(0.578)	5576	5.00000	5.0
	13 Acrylonitrile	53	3.205	3.205	(0.669)	31618	5.00000	5.0
	14 1,1-Dichloroethane	63	3.163	3.163	(0.660)	146009	1.00000	1.0
	15 Vinyl Acetate	43	3.376	3.371	(0.705)	8401	1.00000	1.0(M)
	16 cis-1,2-Dichloroethene	96	3.590	3.590	(0.749)	72774	1.00000	1.0
	17 Bromochloromethane	128	3.744	3.744	(0.782)	23219	1.00000	1.0
	18 Chloroform	83	3.808	3.808	(0.795)	123397	1.00000	1.0
	19 2-Butanone	43	4.065	4.059	(0.848)	49863	5.00000	5.0
	20 1,2-Dichloroethane	62	4.438	4.438	(0.926)	58424	1.00000	1.0
$	21 Bromofluorobenzene	95	8.670	8.670	(1.810)	71753	1.00000	1.0
*	22 Chlorobenzene-d5	117	7.432	7.432	(1.000)	957600	5.00000	

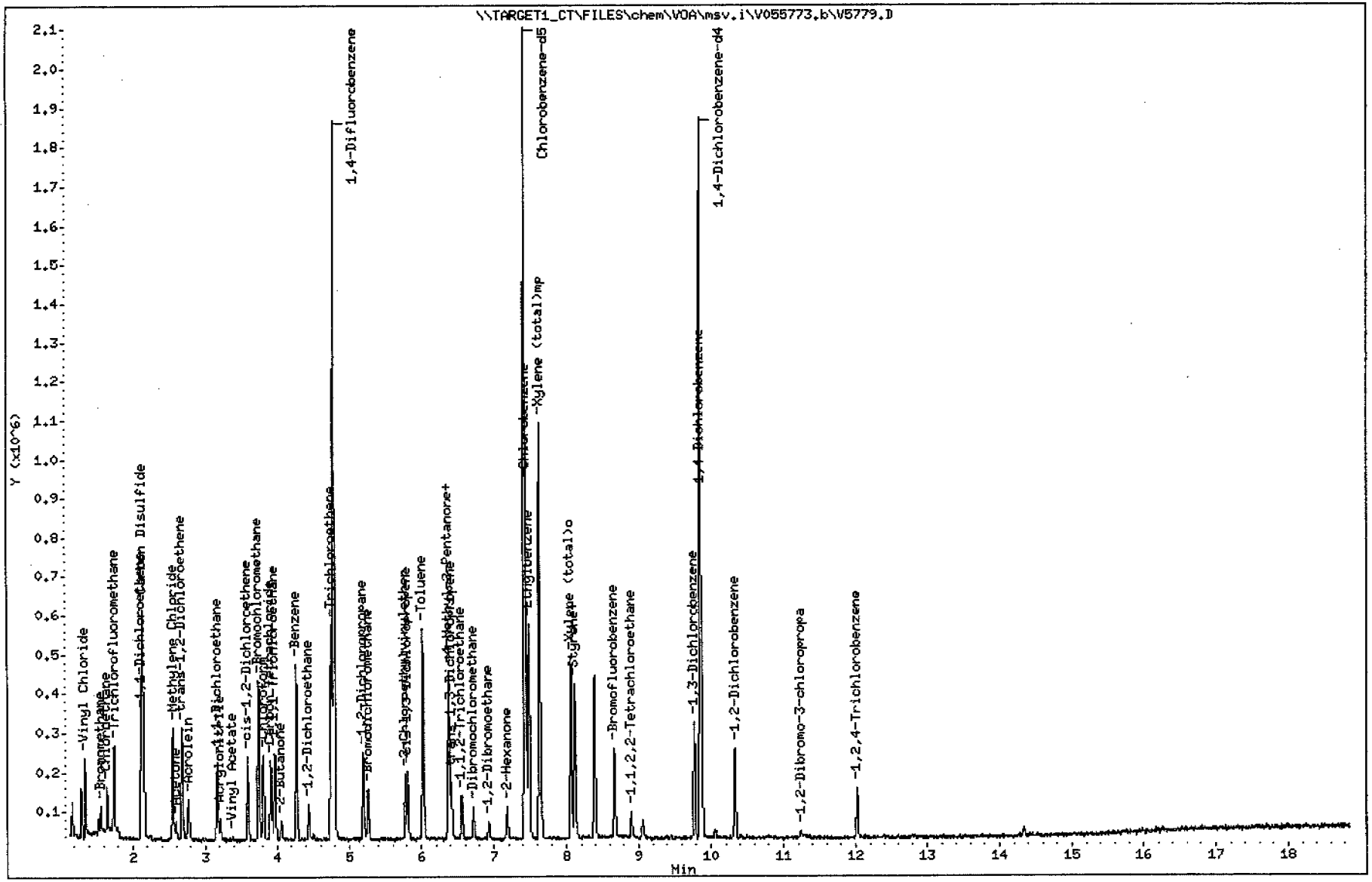
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
23	1,1,1-Trichloroethane	97	3.974	3.969	(0.535)	122561	1.00000	1.0
24	Carbon Tetrachloride	117	3.915	3.915	(0.527)	108400	1.00000	1.0
25	Benzene	78	4.273	4.267	(0.575)	304595	1.00000	1.0
26	Trichloroethene	130	4.758	4.758	(0.640)	90365	1.00000	1.0
27	1,2-Dichloropropane	63	5.196	5.196	(0.699)	66305	1.00000	1.0
28	Bromodichloromethane	83	5.260	5.260	(0.708)	70242	1.00000	1.0
29	2-Chloroethylvinylether	63	5.772	5.778	(0.777)	57422	5.00000	5.0
30	cis-1,3-Dichloropropene	75	5.815	5.815	(0.782)	70768	1.00000	1.0
31	trans-1,3-Dichloropropene	75	6.413	6.418	(0.863)	52141	1.00000	1.0
32	1,1,2-Trichloroethane	97	6.562	6.557	(0.883)	30596	1.00000	1.0
33	Dibromochloromethane	129	6.717	6.717	(0.904)	41581	1.00000	1.0
34	Toluene	91	6.028	6.029	(0.811)	314901	1.00000	1.0
35	4-Methyl-2-Pentanone	43	6.386	6.386	(0.859)	88468	5.00000	5.0
36	Tetrachloroethene	164	6.375	6.375	(0.858)	74611	1.00000	1.0
37	1,2-Dibromoethane	107	6.930	6.931	(0.933)	21013	1.00000	1.0
38	2-Hexanone	43	7.181	7.181	(0.966)	49584	5.00000	5.0
39	Chlorobenzene	112	7.448	7.448	(1.002)	204855	1.00000	1.0
40	Ethylbenzene	106	7.485	7.491	(1.007)	116078	1.00000	1.0
41	Xylene (total)mp	106	7.640	7.640	(1.028)	293366	2.00000	2.0
42	Xylene (total)o	106	8.062	8.062	(1.085)	126569	1.00000	1.0
43	Styrene	104	8.121	8.121	(1.093)	159932	1.00000	1.0
44	1,1,2,2-Tetrachloroethane	83	8.905	8.905	(1.198)	26999	1.00000	1.0
* 45	1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	447336	5.00000	
46	Bromoform	173	8.121	8.126	(0.824)	18395	1.00000	1.0
47	1,3-Dichlorobenzene	146	9.775	9.775	(0.991)	119735	1.00000	1.0
48	1,4-Dichlorobenzene	146	9.876	9.876	(1.002)	118356	1.00000	1.0
49	1,2-Dichlorobenzene	146	10.335	10.335	(1.048)	93854	1.00000	1.0
50	1,2-Dibromo-3-chloropropane	75	11.237	11.237	(1.140)	2634	1.00000	1.0
51	1,2,4-Trichlorobenzene	180	12.027	12.022	(1.220)	41318	1.00000	1.0
M 52	1,2-Dichloroethene (total)	100				156153	2.00000	2.0
M 53	Xylene (total)	100				419935	3.00000	3.0

QC Flag Legend

M - Compound response manually integrated.

Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055773.b\V5779.D
Date : 07-JUL-2005 16:56
Client ID: VSTD001VQ
Sample Info: VSTD001VQ
Purge Volume: 25.0
Column phase: RTX-VMS

Instrument: msv.i
Operator: D. HUMBERT
Column diameter: 0.25



STL-CT

Volatile Report OLC 2.1 METHOD

Data file : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055773.b\V5780.D
Lab Smp Id: VSTD002VR Client Smp ID: VSTD002VR
Inj Date : 07-JUL-2005 17:26 MS Autotune Date: 10-MAY-2005 11:27
Operator : D. HUMBERT Inst ID: msv.i
Smp Info : VSTD002VR
Misc Info : : ;;; VSTD002VR ; OLC ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055773.b\VOLC21W.m
Meth Date : 07-Jul-2005 19:24 dave Quant Type: ISTD
Cal Date : 07-JUL-2005 17:26 Cal File: V5780.D
Als bottle: 45 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: CONMSLNT

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	25.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

DH 7/11/05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
*	1 1,4-Difluorobenzene	114	4.790	4.790	(1.000)	1199801	5.00000	
	2 Chloromethane	50	1.295	1.295	(0.270)	199058	2.00000	2.0
	3 Vinyl Chloride	62	1.348	1.348	(0.281)	224037	2.00000	2.0
	4 Bromomethane	94	1.562	1.562	(0.326)	55882	2.00000	2.0
	5 Chloroethane	64	1.652	1.636	(0.345)	131031	2.00000	2.0
	6 Trichlorofluoromethane	101	1.748	1.732	(0.365)	223230	2.00000	1.9
	7 1,1-Dichloroethene	96	2.117	2.111	(0.442)	146280	2.00000	2.0
	8 Carbon Disulfide	76	2.133	2.127	(0.445)	898362	2.00000	2.0
	9 Methylene Chloride	84	2.560	2.560	(0.534)	144410	2.00000	1.9
	10 Acetone	43	2.602	2.602	(0.543)	73474	10.0000	9.3
	11 trans-1,2-Dichloroethene	96	2.688	2.682	(0.561)	158998	2.00000	2.0
	12 Acrolein	56	2.773	2.773	(0.579)	11548	10.0000	10
	13 Acrylonitrile	53	3.205	3.205	(0.669)	66171	10.0000	10
	14 1,1-Dichloroethane	63	3.163	3.163	(0.660)	291571	2.00000	2.0
	15 Vinyl Acetate	43	3.376	3.371	(0.705)	14297	2.00000	1.8(M)
	16 cis-1,2-Dichloroethene	96	3.590	3.590	(0.749)	148209	2.00000	2.0
	17 Bromochloromethane	128	3.744	3.744	(0.782)	43332	2.00000	1.9
	18 Chloroform	83	3.808	3.808	(0.795)	241122	2.00000	2.0
	19 2-Butanone	43	4.059	4.059	(0.847)	95543	10.0000	9.8
	20 1,2-Dichloroethane	62	4.438	4.438	(0.926)	120472	2.00000	2.0
$	21 Bromofluorobenzene	95	8.670	8.670	(1.810)	135542	2.00000	2.0
*	22 Chlorobenzene-d5	117	7.432	7.432	(1.000)	962913	5.00000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	23 1,1,1-Trichloroethane	97	3.969	3.969	(0.534)	240459	2.00000	2.0
	24 Carbon Tetrachloride	117	3.915	3.915	(0.527)	207013	2.00000	1.9
	25 Benzene	78	4.273	4.267	(0.575)	600893	2.00000	2.0
	26 Trichloroethene	130	4.758	4.758	(0.640)	181852	2.00000	2.0
	27 1,2-Dichloropropane	63	5.196	5.196	(0.699)	127793	2.00000	2.0
	28 Bromodichloromethane	83	5.260	5.260	(0.708)	138160	2.00000	2.0
	29 2-Chloroethylvinylether	63	5.778	5.778	(0.777)	128940	10.0000	11
	30 cis-1,3-Dichloropropene	75	5.815	5.815	(0.782)	149046	2.00000	2.0
	31 trans-1,3-Dichloropropene	75	6.413	6.418	(0.863)	110099	2.00000	2.0
	32 1,1,2-Trichloroethane	97	6.557	6.557	(0.882)	62642	2.00000	2.0
	33 Dibromochloromethane	129	6.717	6.717	(0.904)	78545	2.00000	1.9
	34 Toluene	91	6.029	6.029	(0.811)	656102	2.00000	2.0
	35 4-Methyl-2-Pentanone	43	6.386	6.386	(0.859)	195328	10.0000	10
	36 Tetrachloroethene	164	6.381	6.375	(0.859)	147628	2.00000	2.0
	37 1,2-Dibromoethane	107	6.931	6.931	(0.933)	41766	2.00000	2.0
	38 2-Hexanone	43	7.181	7.181	(0.966)	112585	10.0000	11
	39 Chlorobenzene	112	7.448	7.448	(1.002)	404393	2.00000	2.0
	40 Ethylbenzene	106	7.486	7.491	(1.007)	240407	2.00000	2.0
	41 Xylene (total)mp	106	7.640	7.640	(1.028)	607256	4.00000	4.1
	42 Xylene (total)o	106	8.062	8.062	(1.085)	254542	2.00000	2.0
	43 Styrene	104	8.121	8.121	(1.093)	354218	2.00000	2.1
	44 1,1,2,2-Tetrachloroethane	83	8.900	8.905	(1.197)	54926	2.00000	2.0
*	45 1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	460631	5.00000	
	46 Bromoform	173	8.121	8.126	(0.824)	38769	2.00000	2.0
	47 1,3-Dichlorobenzene	146	9.780	9.775	(0.992)	248114	2.00000	2.0
	48 1,4-Dichlorobenzene	146	9.876	9.876	(1.002)	244456	2.00000	2.0
	49 1,2-Dichlorobenzene	146	10.335	10.335	(1.048)	188162	2.00000	2.0
	50 1,2-Dibromo-3-chloropropane	75	11.237	11.237	(1.140)	6695	2.00000	2.2
	51 1,2,4-Trichlorobenzene	180	12.027	12.022	(1.220)	93442	2.00000	2.1
M	52 1,2-Dichloroethene (total)	100				307207	4.00000	4.0
M	53 Xylene (total)	100				861798	6.00000	6.1

QC Flag Legend

M - Compound response manually integrated.

Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055773.b\V5780.D
Date : 07-JUL-2005 17:26
Client ID: VSTD002VR
Sample Info: VSTD002VR
Purge Volume: 25.0
Column phase: RTX-VMS
Instrument: msv.i
Operator: D. HUMBERT
Column diameter: 0.25
Page 3
Y (x10^6)
Min
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-1,1-Dichloroethene
-Carbon Disulfide
-Acetone
-Methylene Chloride
-trans-1,2-Dichloroethene
-Acrolein
-Acrylonitrile
-1,1-Dichloroethane
-Vinyl Acetate
-cis-1,2-Dichloroethene
-Bromochloromethane
-Chloroform
-Carbon Tetrachloride
-1,1,1-Trichloroethane
-2-Butanone
-Benzene
-1,2-Dichloroethane
-Trichloroethene
1,4-Difluorobenzene
-1,2-Dichloropropane
-Bromodichloromethane
-2-Chloroethylvinylether
-cis-1,3-Dichloropropene
-Toluene
-trans-1,3-Dichloropropene
-4-Methyl-2-Pentanone+
-1,1,2-Trichloroethane
-Dibromochloromethane
-1,2-Dibromoethane
-2-Hexanone
-Tetrachloroethene
-Ethylbenzene
-Chlorobenzene
Chlorobenzene-d5
Xylene (total)mp
-Styrene+
Xylene (total)o
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene
1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\TARGET1_CT\FILES\chem\VOA\msv.i\V055773.b\V5780.D

STL-CT

Volatile Report OLC 2.1 METHOD

Data file : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055773.b\V5781.D
Lab Smp Id: VSTD005VS Client Smp ID: VSTD005VS
Inj Date : 07-JUL-2005 17:55 MS Autotune Date: 10-MAY-2005 11:27
Operator : D. HUMBERT Inst ID: msv.i
Smp Info : VSTD005VS
Misc Info : : ;;; VSTD005VS ; OLC ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055773.b\VOLC21W.m
Meth Date : 07-Jul-2005 19:24 dave Quant Type: ISTD
Cal Date : 07-JUL-2005 17:55 Cal File: V5781.D
Als bottle: 46 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: CONMSLNT

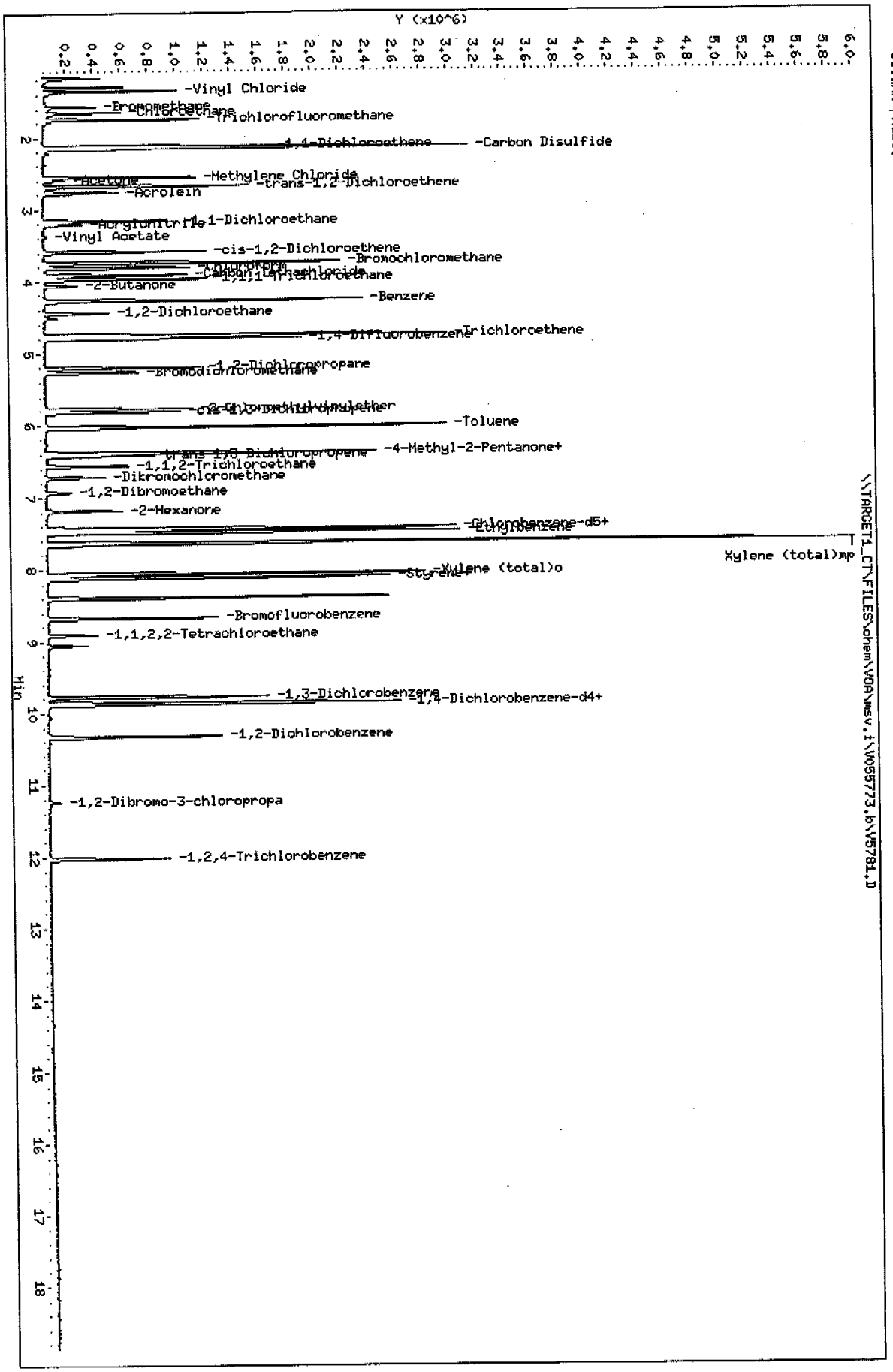
Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	25.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

D.H. 7/11/05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
*	1 1,4-Difluorobenzene	114	4.790	4.790	(1.000)	1216495	5.00000	
	2 Chloromethane	50	1.300	1.295	(0.271)	514767	5.00000	5.0
	3 Vinyl Chloride	62	1.348	1.348	(0.281)	584551	5.00000	5.1
	4 Bromomethane	94	1.562	1.562	(0.326)	140686	5.00000	5.0
	5 Chloroethane	64	1.647	1.636	(0.344)	317725	5.00000	4.8
	6 Trichlorofluoromethane	101	1.743	1.732	(0.364)	598604	5.00000	5.1
	7 1,1-Dichloroethene	96	2.117	2.111	(0.442)	390397	5.00000	5.2
	8 Carbon Disulfide	76	2.133	2.127	(0.445)	2427374	5.00000	5.2
	9 Methylene Chloride	84	2.560	2.560	(0.534)	336695	5.00000	4.6
	10 Acetone	43	2.597	2.602	(0.542)	163712	25.0000	22
	11 trans-1,2-Dichloroethene	96	2.682	2.682	(0.560)	431529	5.00000	5.2
	12 Acrolein	56	2.773	2.773	(0.579)	29577	25.0000	26
	13 Acrylonitrile	53	3.205	3.205	(0.669)	168014	25.0000	25
	14 1,1-Dichloroethane	63	3.163	3.163	(0.660)	750838	5.00000	5.1
	15 Vinyl Acetate	43	3.371	3.371	(0.704)	33904	5.00000	4.5
	16 cis-1,2-Dichloroethene	96	3.590	3.590	(0.749)	396794	5.00000	5.2
	17 Bromochloromethane	128	3.744	3.744	(0.782)	111267	5.00000	4.9
	18 Chloroform	83	3.808	3.808	(0.795)	637340	5.00000	5.1
	19 2-Butanone	43	4.059	4.059	(0.847)	246258	25.0000	25
	20 1,2-Dichloroethane	62	4.438	4.438	(0.926)	302137	5.00000	5.0
$	21 Bromofluorobenzene	95	8.670	8.670	(1.810)	371376	5.00000	5.2
*	22 Chlorobenzene-d5	117	7.432	7.432	(1.000)	964915	5.00000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	23 1,1,1-Trichloroethane	97	3.968	3.969	(0.534)	640821	5.00000	5.2
	24 Carbon Tetrachloride	117	3.915	3.915	(0.527)	551086	5.00000	5.1
	25 Benzene	78	4.273	4.267	(0.575)	1593569	5.00000	5.2
	26 Trichloroethene	130	4.758	4.758	(0.640)	487819	5.00000	5.2
	27 1,2-Dichloropropane	63	5.196	5.196	(0.699)	332378	5.00000	5.1
	28 Bromodichloromethane	83	5.260	5.260	(0.708)	359443	5.00000	5.1
	29 2-Chloroethylvinylether	63	5.778	5.778	(0.777)	348594	25.0000	27
	30 cis-1,3-Dichloropropene	75	5.815	5.815	(0.782)	412065	5.00000	5.4
	31 trans-1,3-Dichloropropene	75	6.418	6.418	(0.864)	307939	5.00000	5.5
	32 1,1,2-Trichloroethane	97	6.562	6.557	(0.883)	167168	5.00000	5.2
	33 Dibromochloromethane	129	6.722	6.717	(0.904)	209042	5.00000	5.1
	34 Toluene	91	6.029	6.029	(0.811)	1756631	5.00000	5.3
	35 4-Methyl-2-Pentanone	43	6.386	6.386	(0.859)	550143	25.0000	28
	36 Tetrachloroethene	164	6.375	6.375	(0.858)	386454	5.00000	5.1
	37 1,2-Dibromoethane	107	6.930	6.931	(0.933)	107505	5.00000	5.1
	38 2-Hexanone	43	7.181	7.181	(0.966)	341646	25.0000	29
	39 Chlorobenzene	112	7.448	7.448	(1.002)	1048220	5.00000	5.1
	40 Ethylbenzene	106	7.491	7.491	(1.008)	638403	5.00000	5.2
	41 Xylene (total)mp	106	7.640	7.640	(1.028)	1667029	10.0000	11
	42 Xylene (total)o	106	8.062	8.062	(1.085)	721480	5.00000	5.4
	43 Styrene	104	8.121	8.121	(1.093)	1032902	5.00000	5.7
	44 1,1,2,2-Tetrachloroethane	83	8.905	8.905	(1.198)	142998	5.00000	5.1
*	45 1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	475092	5.00000	
	46 Bromoform	173	8.126	8.126	(0.824)	108600	5.00000	5.3
	47 1,3-Dichlorobenzene	146	9.780	9.775	(0.992)	667409	5.00000	5.2
	48 1,4-Dichlorobenzene	146	9.876	9.876	(1.002)	660789	5.00000	5.2
	49 1,2-Dichlorobenzene	146	10.330	10.335	(1.048)	523109	5.00000	5.2
	50 1,2-Dibromo-3-chloropropane	75	11.237	11.237	(1.140)	14530	5.00000	4.8
	51 1,2,4-Trichlorobenzene	180	12.022	12.022	(1.219)	271911	5.00000	5.6
M	52 1,2-Dichloroethene (total)	100				828323	10.0000	10
M	53 Xylene (total)	100				2388509	15.0000	16



Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055773.b\V5784.D
Date : 07-JUL-2005 17:55
Client ID: VSTD005VS
Sample Info: VSTD005VS
Purge Volume: 25.0
Column phase: RTX-VMS

\\TARGET1_CT\FILES\chem\VOA\msv.i\V055773.b\V5781.D

Instrument: msv.i
Operator: D. HUMBERT
Column diameter: 0.25

STL-CT

Volatile Report OLC 2.1 METHOD

Data file : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055773.b\V5782.D
Lab Smp Id: VSTD010VT Client Smp ID: VSTD010VT
Inj Date : 07-JUL-2005 18:24 MS Autotune Date: 10-MAY-2005 11:27
Operator : D. HUMBERT Inst ID: msv.i
Smp Info : VSTD010VT
Misc Info : : ;;; VSTD010VT ; OLC ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055773.b\VOLC21W.m
Meth Date : 07-Jul-2005 19:24 dave Quant Type: ISTD
Cal Date : 07-JUL-2005 17:55 Cal File: V5781.D
Als bottle: 47 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: CONMSLNT

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	25.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

D.H. 7/11/05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
*	1 1,4-Difluorobenzene	114	4.790	4.790	(1.000)	1236343	5.00000	
	2 Chloromethane	50	1.295	1.295	(0.270)	1005852	10.0000	9.8
	3 Vinyl Chloride	62	1.348	1.348	(0.281)	1145571	10.0000	9.9
	4 Bromomethane	94	1.561	1.562	(0.326)	314280	10.0000	11
	5 Chloroethane	64	1.647	1.636	(0.344)	579850	10.0000	9.0
	6 Trichlorofluoromethane	101	1.743	1.732	(0.364)	1211822	10.0000	10
	7 1,1-Dichloroethene	96	2.116	2.111	(0.442)	787094	10.0000	10
	8 Carbon Disulfide	76	2.132	2.127	(0.445)	4968926	10.0000	10
	9 Methylene Chloride	84	2.559	2.560	(0.534)	646682	10.0000	9.0
	10 Acetone	43	2.602	2.602	(0.543)	343843	50.0000	46
	11 trans-1,2-Dichloroethene	96	2.682	2.682	(0.560)	885219	10.0000	10
	12 Acrolein	56	2.773	2.773	(0.579)	53551	50.0000	47
	13 Acrylonitrile	53	3.205	3.205	(0.669)	396444	50.0000	57
	14 1,1-Dichloroethane	63	3.162	3.163	(0.660)	1512900	10.0000	10
	15 Vinyl Acetate	43	3.371	3.371	(0.704)	80513	10.0000	10
	16 cis-1,2-Dichloroethene	96	3.589	3.590	(0.749)	814124	10.0000	10
	17 Bromochloromethane	128	3.744	3.744	(0.782)	226172	10.0000	9.9
	18 Chloroform	83	3.808	3.808	(0.795)	1289003	10.0000	10
	19 2-Butanone	43	4.059	4.059	(0.847)	516226	50.0000	51
	20 1,2-Dichloroethane	62	4.438	4.438	(0.926)	615442	10.0000	10
$	21 Bromofluorobenzene	95	8.670	8.670	(1.810)	836111	10.0000	11
*	22 Chlorobenzene-d5	117	7.432	7.432	(1.000)	998091	5.00000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
23	1,1,1-Trichloroethane	97	3.968	3.969	(0.534)	1298954	10.0000	10
24	Carbon Tetrachloride	117	3.915	3.915	(0.527)	1139814	10.0000	10
25	Benzene	78	4.273	4.267	(0.575)	3219459	10.0000	10
26	Trichloroethene	130	4.758	4.758	(0.640)	966096	10.0000	10
27	1,2-Dichloropropane	63	5.196	5.196	(0.699)	693612	10.0000	10
28	Bromodichloromethane	83	5.260	5.260	(0.708)	746737	10.0000	10
29	2-Chloroethylvinylether	63	5.772	5.778	(0.777)	853749	50.0000	60
30	cis-1,3-Dichloropropene	75	5.815	5.815	(0.782)	867876	10.0000	11
31	trans-1,3-Dichloropropene	75	6.418	6.418	(0.864)	635575	10.0000	11
32	1,1,2-Trichloroethane	97	6.557	6.557	(0.882)	339462	10.0000	10
33	Dibromochloromethane	129	6.717	6.717	(0.904)	428819	10.0000	10
34	Toluene	91	6.028	6.029	(0.811)	3685015	10.0000	11
35	4-Methyl-2-Pentanone	43	6.386	6.386	(0.859)	1215519	50.0000	57
36	Tetrachloroethene	164	6.375	6.375	(0.858)	766814	10.0000	9.9
37	1,2-Dibromoethane	107	6.930	6.931	(0.933)	221674	10.0000	10
38	2-Hexanone	43	7.181	7.181	(0.966)	757321	50.0000	59
39	Chlorobenzene	112	7.448	7.448	(1.002)	2178351	10.0000	10
40	Ethylbenzene	106	7.491	7.491	(1.008)	1333835	10.0000	10
41	Xylene (total)mp	106	7.640	7.640	(1.028)	3495315	20.0000	21
42	Xylene (total)o	106	8.062	8.062	(1.085)	1514888	10.0000	11
43	Styrene	104	8.120	8.121	(1.093)	2316142	10.0000	12
44	1,1,2,2-Tetrachloroethane	83	8.905	8.905	(1.198)	309442	10.0000	11
* 45	1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	510823	5.00000	
46	Bromoform	173	8.126	8.126	(0.824)	239378	10.0000	11
47	1,3-Dichlorobenzene	146	9.780	9.775	(0.992)	1408180	10.0000	10
48	1,4-Dichlorobenzene	146	9.876	9.876	(1.002)	1368717	10.0000	10
49	1,2-Dichlorobenzene	146	10.335	10.335	(1.048)	1115149	10.0000	10
50	1,2-Dibromo-3-chloropropane	75	11.237	11.237	(1.140)	33672	10.0000	10
51	1,2,4-Trichlorobenzene	180	12.022	12.022	(1.219)	632617	10.0000	11
M 52	1,2-Dichloroethene (total)	100				1699343	20.0000	21
M 53	Xylene (total)	100				5010203	30.0000	32

Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055773.b\V5782.D
Date : 07-JUL-2005 18:24
Client ID: VSTD010VT
Sample Info: VSTD010VT
Purge Volume: 25.0
Column phase: RTX-VMS
Instrument: msv.i
Operator: D. HUMBERT
Column diameter: 0.25
Y (x10^7)
Min
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-1,1-Dichloroethene
-Carbon Disulfide
-Methylene Chloride
-trans-1,2-Dichloroethene
-Acrolein
-Acrylonitrile
-1,1-Dichloroethane
-Vinyl Acetate
-cis-1,2-Dichloroethene
-Bromochloromethane
-Chloroform
-Carbon Tetrachloride
-1,1,1-Trichloroethane
-2-Butanone
-Benzene
-1,2-Dichloroethane
-Trichloroethene
-1,4-Difluorobenzene
-1,2-Dichloropropane
-Bromodichloromethane
-cis-1,3-Dichloropropene
-2-Chloroethylvinylether
-Toluene
-trans-1,3-Dichloropropene
-4-Methyl-2-Pentanone+
-1,1,2-Trichloroethane
-Dibromochloromethane
-1,2-Dibromoethane
-2-Hexanone
-Chlorobenzene-d5
-Ethylbenzene
Xylene (total)mp
-Xylene (total)o
-Styrene+
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\TARGET1_CT\FILES\chem\VOA\msv.i\V055773.b\V5782.D

STL-CT

Volatile Report OLC 2.1 METHOD

Data file : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055773.b\V5783.D
Lab Smp Id: VSTD025VU Client Smp ID: VSTD025VU
Inj Date : 07-JUL-2005 18:54 MS Autotune Date: 10-MAY-2005 11:27
Operator : D. HUMBERT Inst ID: msv.i
Smp Info : VSTD025VU
Misc Info : : ;;; VSTD025VU ; OLC ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055773.b\VOLC21W.m
Meth Date : 07-Jul-2005 19:24 dave Quant Type: ISTD
Cal Date : 07-JUL-2005 17:55 Cal File: V5781.D
Als bottle: 48 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: CONMSLNT

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	25.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

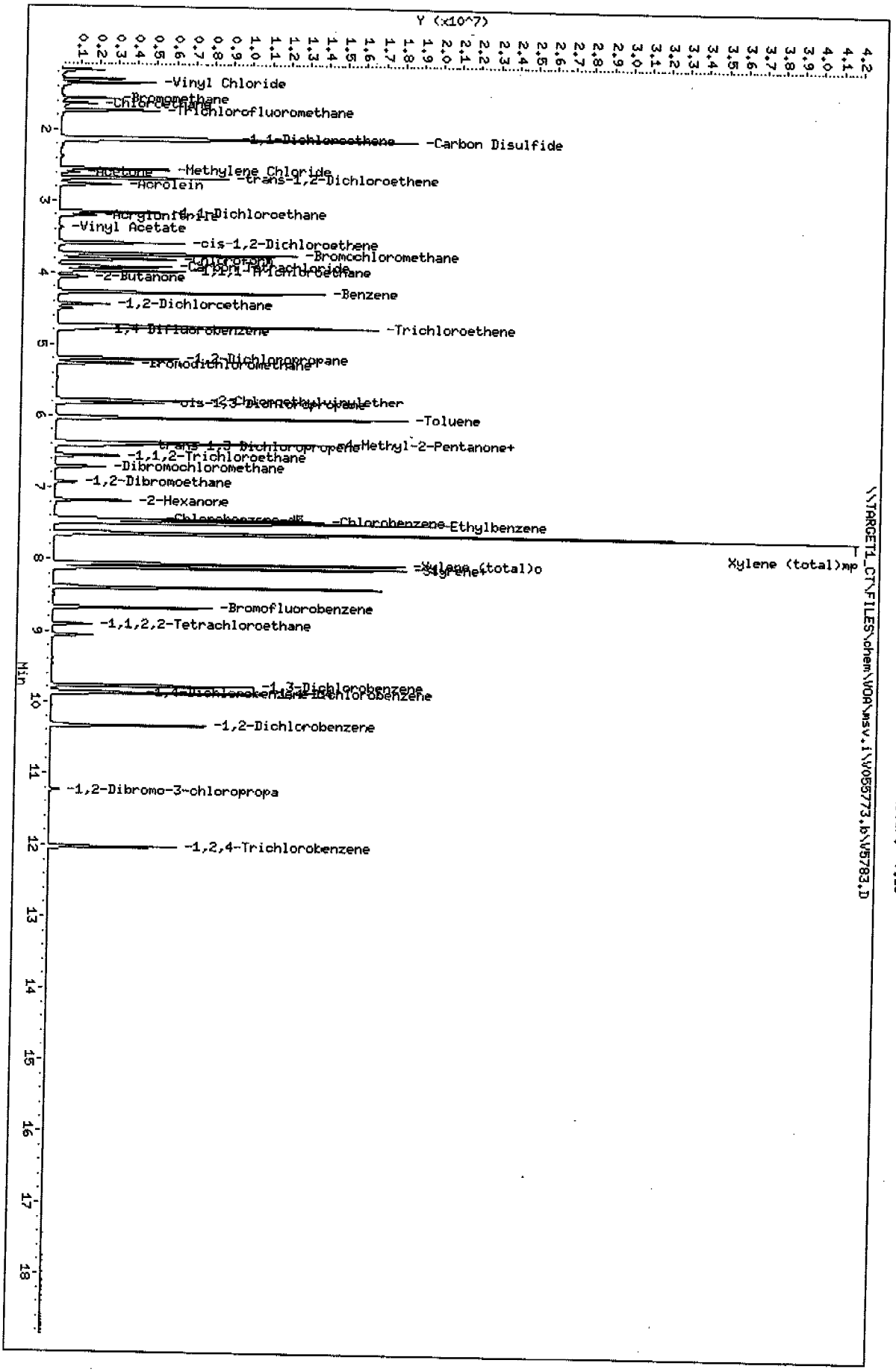
RDH 7/11/05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 1	1,4-Difluorobenzene	114	4.790	4.790	(1.000)	1299373	5.00000	
2	Chloromethane	50	1.295	1.295	(0.270)	2672978	25.0000	25
3	Vinyl Chloride	62	1.348	1.348	(0.281)	3119229	25.0000	25(A)
4	Bromomethane	94	1.562	1.562	(0.326)	964113	25.0000	30(A)
5	Chloroethane	64	1.636	1.636	(0.342)	1060678	25.0000	17
6	Trichlorofluoromethane	101	1.732	1.732	(0.362)	3012931	25.0000	24
7	1,1-Dichloroethene	96	2.111	2.111	(0.441)	2167943	25.0000	26(A)
8	Carbon Disulfide	76	2.127	2.127	(0.444)	12661880	25.0000	25(A)
9	Methylene Chloride	84	2.560	2.560	(0.534)	1749876	25.0000	23
10	Acetone	43	2.602	2.602	(0.543)	916424	125.000	120
11	trans-1,2-Dichloroethene	96	2.682	2.682	(0.560)	2420807	25.0000	26(A)
12	Acrolein	56	2.773	2.773	(0.579)	135962	125.000	110
13	Acrylonitrile	53	3.205	3.205	(0.669)	1116204	125.000	150(A)
14	1,1-Dichloroethane	63	3.163	3.163	(0.660)	4226388	25.0000	26(A)
15	Vinyl Acetate	43	3.371	3.371	(0.704)	226363	25.0000	27(A)
16	cis-1,2-Dichloroethene	96	3.590	3.590	(0.749)	2233194	25.0000	27(A)
17	Bromochloromethane	128	3.744	3.744	(0.782)	603215	25.0000	25(A)
18	Chloroform	83	3.808	3.808	(0.795)	3525558	25.0000	26(A)
19	2-Butanone	43	4.059	4.059	(0.847)	1450182	125.000	130(A)
20	1,2-Dichloroethane	62	4.438	4.438	(0.926)	1670018	25.0000	26(A)
$ 21	Bromofluorobenzene	95	8.670	8.670	(1.810)	2427585	25.0000	29(A)
* 22	Chlorobenzene-d5	117	7.432	7.432	(1.000)	1060244	5.00000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	23 1,1,1-Trichloroethane	97	3.969	3.969	(0.534)	3534189	25.0000	26 (A)
	24 Carbon Tetrachloride	117	3.915	3.915	(0.527)	3092090	25.0000	26 (A)
	25 Benzene	78	4.267	4.267	(0.574)	9278326	25.0000	27 (A)
	26 Trichloroethene	130	4.758	4.758	(0.640)	2614258	25.0000	25 (A)
	27 1,2-Dichloropropane	63	5.196	5.196	(0.699)	1883528	25.0000	26 (A)
	28 Bromodichloromethane	83	5.260	5.260	(0.708)	2065667	25.0000	26 (A)
	29 2-Chloroethylvinylether	63	5.778	5.778	(0.777)	2475500	125.000	150 (A)
	30 cis-1,3-Dichloropropene	75	5.815	5.815	(0.782)	2426163	25.0000	28 (A)
	31 trans-1,3-Dichloropropene	75	6.418	6.418	(0.864)	1811636	25.0000	28 (A)
	32 1,1,2-Trichloroethane	97	6.557	6.557	(0.882)	924651	25.0000	26 (A)
	33 Dibromochloromethane	129	6.717	6.717	(0.904)	1192991	25.0000	26 (A)
	34 Toluene	91	6.029	6.029	(0.811)	10697212	25.0000	28 (A)
	35 4-Methyl-2-Pentanone	43	6.386	6.386	(0.859)	3654891	125.000	150 (A)
	36 Tetrachloroethene	164	6.375	6.375	(0.858)	2064588	25.0000	25 (A)
	37 1,2-Dibromoethane	107	6.931	6.931	(0.933)	622857	25.0000	26 (A)
	38 2-Hexanone	43	7.181	7.181	(0.966)	2300122	125.000	160 (A)
	39 Chlorobenzene	112	7.448	7.448	(1.002)	6178679	25.0000	27 (A)
	40 Ethylbenzene	106	7.491	7.491	(1.008)	3774528	25.0000	27 (A)
	41 Xylene (total)mp	106	7.640	7.640	(1.028)	10747830	50.0000	59 (A)
	42 Xylene (total)o	106	8.062	8.062	(1.085)	4516631	25.0000	29 (A)
	43 Styrene	104	8.121	8.121	(1.093)	7245291	25.0000	32 (A)
	44 1,1,2,2-Tetrachloroethane	83	8.905	8.905	(1.198)	885227	25.0000	28 (A)
*	45 1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	555969	5.00000	
	46 Bromoform	173	8.126	8.126	(0.824)	703016	25.0000	28 (A)
	47 1,3-Dichlorobenzene	146	9.775	9.775	(0.991)	4134358	25.0000	27 (A)
	48 1,4-Dichlorobenzene	146	9.876	9.876	(1.002)	3990957	25.0000	26 (A)
	49 1,2-Dichlorobenzene	146	10.335	10.335	(1.048)	3181500	25.0000	26 (A)
	50 1,2-Dibromo-3-chloropropane	75	11.237	11.237	(1.140)	103168	25.0000	28 (A)
	51 1,2,4-Trichlorobenzene	180	12.022	12.022	(1.219)	1984281	25.0000	31 (A)
M	52 1,2-Dichloroethene (total)	100				4654001	50.0000	53
M	53 Xylene (total)	100				15264461	75.0000	88

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055773.b\V5783.D
Date : 07-JUL-2005 18:54
Client ID: VSTD025VU
Sample Info: VSTD025VU
Purge Volume: 25.0
Column phase: RTX-VMS
Instrument: msv.i
Operator: D. HUMBERT
Column diameter: 0.25
Page 3
Y (x10^7)
Min
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-1,1-Dichloroethene
-Carbon Disulfide
-Acetone
-Methylene Chloride
-trans-1,2-Dichloroethene
-Acrolein
-Acrylonitrile
-1,1-Dichloroethane
-Vinyl Acetate
-cis-1,2-Dichloroethene
-Bromochloromethane
-Chloroform
-Carbon Tetrachloride
-1,1,1-Trichloroethane
-2-Butanone
-Benzene
-1,2-Dichloroethane
-Trichloroethene
1,4-Difluorobenzene
-1,2-Dichloropropane
-Bromodichloromethane
-cis-1,3-Dichloropropene
-Toluene
-trans-1,3-Dichloropropene
-4-Methyl-2-Pentanone+
-1,1,2-Trichloroethane
-Dibromochloromethane
-1,2-Dibromoethane
-2-Hexanone
-Chlorobenzene-d5
-Chlorobenzene
-Ethylbenzene
-Xylene (total)o
-Styrene+
Xylene (total)mp
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4
-1,4-Dichlorobenzene
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\TARGET1_CT\FILES\chem\VOA\msv.i\V055773.b\V5783.D

LOW CONC. WATER VOLATILE ORGANINCS CONTINUING CALIBRATION SUMMARY

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Instrument ID: MSV Calibration Date: 07/07/05 Time: 2128

Lab File ID: V5785 Init. Calib. Date(s): 07/07/05 07/07/05

Init. Calib. Times: 1656 1854

GC Column: RTX-VMS ID: 0.25 (mm) Length: 60 (m)

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D	
Chloromethane	0.415	0.411	0.010	1.0		
Vinyl Chloride	0.471	0.489	0.100	-3.8	30.0	
Bromomethane	0.124	0.170	0.100	-37.1	30.0	<-
Chloroethane	0.242	0.277	0.010	-14.5		
Trichlorofluoromethane	0.481	0.499		-3.7		
Acrolein	0.005	0.004	0.001	20.0	30.0	
1,1-Dichloroethene	0.316	0.323	0.100	-2.2	30.0	
Acetone	0.030	0.025	0.001	16.7	30.0	
Carbon Disulfide	1.946	2.011	0.010	-3.3		
Methylene Chloride	0.287	0.272	0.010	5.2		
trans-1,2-Dichloroethene	0.352	0.356	0.010	-1.1		
Acrylonitrile	0.030	0.029		3.3		
1,1-Dichloroethane	0.618	0.617	0.200	0.2	30.0	
cis-1,2-Dichloroethene	0.322	0.326	0.010	-1.2		
2-Butanone	0.042	0.036		14.3		
Bromochloromethane	0.092	0.089	0.050	3.3	30.0	
Chloroform	0.520	0.513	0.200	1.3	30.0	
1,1,1-Trichloroethane	0.649	0.693	0.100	-6.8	30.0	
Carbon Tetrachloride	0.566	0.615	0.100	-8.6	30.0	
Benzene	1.633	1.717	0.400	-5.1	30.0	
1,2-Dichloroethane	0.249	0.235	0.100	5.6	30.0	
Trichloroethene	0.485	0.509	0.300	-4.9	30.0	
1,2-Dichloropropane	0.345	0.356	0.010	-3.2		
Bromodichloromethane	0.372	0.378	0.200	-1.6	30.0	
2-Chloroethylvinylether	0.076	0.076		0.0		
cis-1,3-Dichloropropene	0.415	0.429	0.200	-3.4	30.0	
trans-1,3-Dichloropropene	0.307	0.311	0.100	-1.3	30.0	
1,1,2-Trichloroethane	0.168	0.164	0.100	2.4	30.0	
4-Methyl-2-Pentanone	0.113	0.106		6.2		
Toluene	1.806	1.895	0.400	-4.9	30.0	
Tetrachloroethene	0.389	0.419	0.100	-7.7	30.0	
2-Hexanone	0.069	0.063		8.7		
Dibromochloromethane	0.216	0.214	0.100	0.9	30.0	
1,2-Dibromoethane	0.111	0.107	0.100	3.6	30.0	
Chlorobenzene	1.093	1.134	0.500	-3.8	30.0	
Ethylbenzene	0.654	0.706	0.100	-8.0	30.0	
Xylene (total)mp	0.862	0.901	0.300	-4.5	30.0	
Xylene (total)o	0.736	0.781	0.300	-6.1	30.0	
Styrene	1.070	1.091	0.300	-2.0	30.0	
Bromoform	0.226	0.222	0.050	1.8	30.0	
1,1,2,2-Tetrachloroethane	0.151	0.146	0.100	3.3	30.0	
1,3-Dichlorobenzene	1.391	1.435	0.400	-3.2	30.0	
1,4-Dichlorobenzene	1.363	1.409	0.400	-3.4	30.0	

LOW CONC. WATER VOLATILE ORGANINCS CONTINUING CALIBRATION SUMMARY

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Instrument ID: MSV Calibration Date: 07/07/05 Time: 2128

Lab File ID: V5785 Init. Calib. Date(s): 07/07/05 07/07/05

Init. Calib. Times: 1656 1854

GC Column: RTX-VMS ID: 0.25 (mm) Length: 60 (m)

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D
1,2-Dichlorobenzene	1.081	1.102	0.400	-1.9	30.0
1,2-Dibromo-3-chloropropane	0.033	0.032		3.0	
1,2,4-Trichlorobenzene	0.575	0.595	0.200	-3.5	30.0
Xylene (total)	0.820	0.861	0.300	-5.0	30.0
1,2-Dichloroethene (total)	0.337	0.341		-1.2	
Vinyl Acetate	0.032	0.032		0.0	
Bromofluorobenzene	0.319	0.288	0.200	9.7	30.0

FORM VII LCV OLC02.0

STL-CT

Volatile Report OLC 2.1 METHOD

Data file : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055785.b\V5785.D
Lab Smp Id: VSTD005VV Client Smp ID: VSTD005VV
Inj Date : 07-JUL-2005 21:28 MS Autotune Date: 10-MAY-2005 11:27
Operator : D. HUMBERT Inst ID: msv.i
Smp Info : VSTD005VV
Misc Info : : ;;; VSTD005VV ; OLC ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055785.b\VOLC21W.m
Meth Date : 07-Jul-2005 21:45 dave Quant Type: ISTD
Cal Date : 07-JUL-2005 21:28 Cal File: V5785.D
Als bottle: 48 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: CONMSLNT

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	25.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

D.H. 7/8/05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
*	1 1,4-Difluorobenzene	114	4.790	4.790	(1.000)	1249023	5.00000	
	2 Chloromethane	50	1.295	1.295	(0.270)	513637	5.00000	5.0
	3 Vinyl Chloride	62	1.348	1.348	(0.281)	610885	5.00000	5.2
	4 Bromomethane	94	1.562	1.562	(0.326)	212215	5.00000	6.9
	5 Chloroethane	64	1.652	1.652	(0.345)	345856	5.00000	5.7
	6 Trichlorofluoromethane	101	1.748	1.748	(0.365)	622912	5.00000	5.2
	7 1,1-Dichloroethene	96	2.117	2.117	(0.442)	403258	5.00000	5.1
	8 Carbon Disulfide	76	2.133	2.133	(0.445)	2511997	5.00000	5.2
	9 Methylene Chloride	84	2.560	2.560	(0.534)	339755	5.00000	4.7
	10 Acetone	43	2.597	2.597	(0.542)	155099	25.0000	21
	11 trans-1,2-Dichloroethene	96	2.688	2.688	(0.561)	444764	5.00000	5.1
	12 Acrolein	56	2.768	2.768	(0.578)	25329	25.0000	22
	13 Acrylonitrile	53	3.205	3.205	(0.669)	179347	25.0000	24
	14 1,1-Dichloroethane	63	3.163	3.163	(0.660)	770748	5.00000	5.0
	15 Vinyl Acetate	43	3.371	3.371	(0.704)	40442	5.00000	5.1
	16 cis-1,2-Dichloroethene	96	3.590	3.590	(0.749)	407756	5.00000	5.1
	17 Bromochloromethane	128	3.744	3.744	(0.782)	111742	5.00000	4.8
	18 Chloroform	83	3.808	3.808	(0.795)	640336	5.00000	4.9
	19 2-Butanone	43	4.059	4.059	(0.847)	222654	25.0000	21
	20 1,2-Dichloroethane	62	4.438	4.438	(0.926)	293375	5.00000	4.7
$	21 Bromofluorobenzene	95	8.670	8.670	(1.810)	360061	5.00000	4.5
*	22 Chlorobenzene-d5	117	7.432	7.432	(1.000)	953396	5.00000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
23	1,1,1-Trichloroethane	97	3.968	3.968	(0.534)	660903	5.00000	5.3
24	Carbon Tetrachloride	117	3.915	3.915	(0.527)	586245	5.00000	5.4
25	Benzene	78	4.267	4.267	(0.574)	1637404	5.00000	5.3
26	Trichloroethene	130	4.758	4.758	(0.640)	485372	5.00000	5.2
27	1,2-Dichloropropane	63	5.196	5.196	(0.699)	338938	5.00000	5.2
28	Bromodichloromethane	83	5.260	5.260	(0.708)	360124	5.00000	5.1
29	2-Chloroethylvinylether	63	5.772	5.772	(0.777)	361330	25.0000	25
30	cis-1,3-Dichloropropene	75	5.815	5.815	(0.782)	408820	5.00000	5.2
31	trans-1,3-Dichloropropene	75	6.413	6.413	(0.863)	296884	5.00000	5.1
32	1,1,2-Trichloroethane	97	6.557	6.557	(0.882)	156785	5.00000	4.9
33	Dibromochloromethane	129	6.717	6.717	(0.904)	203988	5.00000	5.0
34	Toluene	91	6.028	6.028	(0.811)	1806660	5.00000	5.2
35	4-Methyl-2-Pentanone	43	6.386	6.386	(0.859)	506603	25.0000	23
36	Tetrachloroethene	164	6.375	6.375	(0.858)	399511	5.00000	5.4
37	1,2-Dibromoethane	107	6.930	6.930	(0.933)	102430	5.00000	4.8
38	2-Hexanone	43	7.181	7.181	(0.966)	300063	25.0000	23
39	Chlorobenzene	112	7.448	7.448	(1.002)	1081480	5.00000	5.2
40	Ethylbenzene	106	7.485	7.485	(1.007)	672966	5.00000	5.4
41	Xylene (total)mp	106	7.640	7.640	(1.028)	1718773	10.0000	10
42	Xylene (total)o	106	8.062	8.062	(1.085)	744702	5.00000	5.3
43	Styrene	104	8.121	8.121	(1.093)	1039781	5.00000	5.1
44	1,1,2,2-Tetrachloroethane	83	8.905	8.905	(1.198)	138977	5.00000	4.8
* 45	1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	472134	5.00000	
46	Bromoform	173	8.126	8.126	(0.824)	104580	5.00000	4.9
47	1,3-Dichlorobenzene	146	9.775	9.775	(0.991)	677657	5.00000	5.2
48	1,4-Dichlorobenzene	146	9.876	9.876	(1.002)	665137	5.00000	5.2
49	1,2-Dichlorobenzene	146	10.335	10.335	(1.048)	520404	5.00000	5.1
50	1,2-Dibromo-3-chloropropane	75	11.232	11.232	(1.139)	15175	5.00000	4.8
51	1,2,4-Trichlorobenzene	180	12.022	12.022	(1.219)	280895	5.00000	5.2
M 52	1,2-Dichloroethene (total)	100				852520	10.0000	10
M 53	Xylene (total)	100				2463475	15.0000	16

Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055785.b\V5785.D
Date : 07-JUL-2005 21:28
Client ID: VSTD005VV
Sample Info: VSTD005VV
Purge Volume: 25.0
Column phase: RTX-VMS
Instrument: msv.i
Operator: D. HUMBERT
Column diameter: 0.25
\\TARGET1_CT\FILES\chem\VOA\msv.i\V055785.b\V5785.D
Y (x10^6)
Min
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-1,1-Dichloroethene
-Carbon Disulfide
-Methylene Chloride
-trans-1,2-Dichloroethene
-Acetone
-Acrolein
-Acrylonitrile
-1,1-Dichloroethane
-Vinyl Acetate
-cis-1,2-Dichloroethene
-Bromochloromethane
-Chloroform
-Carbon Tetrachloride
-1,1,1-Trichloroethane
-2-Butanone
-Benzene
-1,2-Dichloroethane
-1,4-Difluorobenzene
-Trichloroethene
-1,2-Dichloropropane
-Bromodichloromethane
-cis-1,3-Dichloropropene
-2-Chloroethylvinylether
-Toluene
-trans-1,3-Dichloropropene
-4-Methyl-2-Pentanone+
-1,1,2-Trichloroethane
-Dibromochloromethane
-1,2-Dibromoethane
-2-Hexanone
-Chlorobenzene-d5+
-Ethylbenzene
-Xylene (total)mp
-Xylene (total)o
-Styrene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene

7LCA

LOW CONC. WATER VOLATILE ORGANINCS CONTINUING CALIBRATION SUMMARY

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Instrument ID: MSV Calibration Date: 07/08/05 Time: 0929

Lab File ID: V5808 Init. Calib. Date(s): 07/07/05 07/07/05

Init. Calib. Times: 1656 1854

GC Column: RTX-VMS ID: 0.25 (mm) Length: 60 (m)

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D	
Chloromethane	0.415	0.423	0.010	-1.9		
Vinyl Chloride	0.471	0.428	0.100	9.1	30.0	
Bromomethane	0.124	0.147	0.100	-18.5	30.0	
Chloroethane	0.242	0.304	0.010	-25.6		
Trichlorofluoromethane	0.481	0.510		-6.0		
Acrolein	0.005	0.006	0.001	-20.0	30.0	
1,1-Dichloroethene	0.316	0.284	0.100	10.1	30.0	
Acetone	0.030	0.019	0.001	36.7	30.0	
Carbon Disulfide	1.946	2.062	0.010	-6.0		
Methylene Chloride	0.287	0.292	0.010	-1.7		
trans-1,2-Dichloroethene	0.352	0.292	0.010	17.0		
Acrylonitrile	0.030	0.021		30.0		
1,1-Dichloroethane	0.618	0.560	0.200	9.4	30.0	
cis-1,2-Dichloroethene	0.322	0.229	0.010	28.9		
2-Butanone	0.042	0.024		42.8		
Bromochloromethane	0.092	0.092	0.050	0.0	30.0	
Chloroform	0.520	0.525	0.200	-1.0	30.0	
1,1,1-Trichloroethane	0.649	0.776	0.100	-19.6	30.0	
Carbon Tetrachloride	0.566	0.697	0.100	-23.1	30.0	
Benzene	1.633	1.723	0.400	-5.5	30.0	
1,2-Dichloroethane	0.249	0.230	0.100	7.6	30.0	
Trichloroethene	0.485	0.587	0.300	-21.0	30.0	
1,2-Dichloropropane	0.345	0.324	0.010	6.1		
Bromodichloromethane	0.372	0.433	0.200	-16.4	30.0	
2-Chloroethylvinylether	0.076	0.040		47.4		
cis-1,3-Dichloropropene	0.415	0.399	0.200	3.8	30.0	
trans-1,3-Dichloropropene	0.307	0.308	0.100	-0.3	30.0	
1,1,2-Trichloroethane	0.168	0.188	0.100	-11.9	30.0	
4-Methyl-2-Pentanone	0.113	0.083		26.5		
Toluene	1.806	1.861	0.400	-3.0	30.0	
Tetrachloroethene	0.389	0.412	0.100	-5.9	30.0	
2-Hexanone	0.069	0.034		50.7		
Dibromochloromethane	0.216	0.222	0.100	-2.8	30.0	
1,2-Dibromoethane	0.111	0.106	0.100	4.5	30.0	
Chlorobenzene	1.093	1.194	0.500	-9.2	30.0	
Ethylbenzene	0.654	0.760	0.100	-16.2	30.0	
Xylene (total)mp	0.862	0.998	0.300	-15.8	30.0	
Xylene (total)o	0.736	0.677	0.300	8.0	30.0	
Styrene	1.070	1.212	0.300	-13.3	30.0	
Bromoform	0.226	0.294	0.050	-30.1	30.0	<-
1,1,2,2-Tetrachloroethane	0.151	0.172	0.100	-13.9	30.0	
1,3-Dichlorobenzene	1.391	1.273	0.400	8.5	30.0	
1,4-Dichlorobenzene	1.363	1.564	0.400	-14.7	30.0	

7-8-05 No Criteria

7LCA

LOW CONC. WATER VOLATILE ORGANINCS CONTINUING CALIBRATION SUMMARY

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Instrument ID: MSV Calibration Date: 07/08/05 Time: 0929

Lab File ID: V5808 Init. Calib. Date(s): 07/07/05 07/07/05

Init. Calib. Times: 1656 1854

GC Column: RTX-VMS ID: 0.25 (mm) Length: 60 (m)

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D	
1,2-Dichlorobenzene	1.081	1.024	0.400	5.3	30.0	
1,2-Dibromo-3-chloropropane	0.033	0.026		21.2		
1,2,4-Trichlorobenzene	0.575	0.319	0.200	44.5	30.0	<-
Xylene (total)	0.820	0.891	0.300	-8.6	30.0	
1,2-Dichloroethene (total)	0.337	0.260		22.8		
Vinyl Acetate	0.032			100.0		
Bromofluorobenzene	0.319	0.219	0.200	31.3	30.0	<-

7-22-05 No criteria

FORM VII LCV OLC02.0

STL-CT

Volatile Report OLC 2.1 METHOD

Data file : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055808.b\V5808.D
Lab Smp Id: VSTD005VW Client Smp ID: VSTD005VW
Inj Date : 08-JUL-2005 09:29 MS Autotune Date: 10-MAY-2005 11:27
Operator : D. HUMBERT Inst ID: msv.i
Smp Info : VSTD005VW
Misc Info : : ;;; VSTD005VW ; OLC ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055808.b\VOLC21W.m
Meth Date : 08-Jul-2005 20:24 larryd Quant Type: ISTD
Cal Date : 08-JUL-2005 09:29 Cal File: V5808.D
Als bottle: 67 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: CONMSLNT

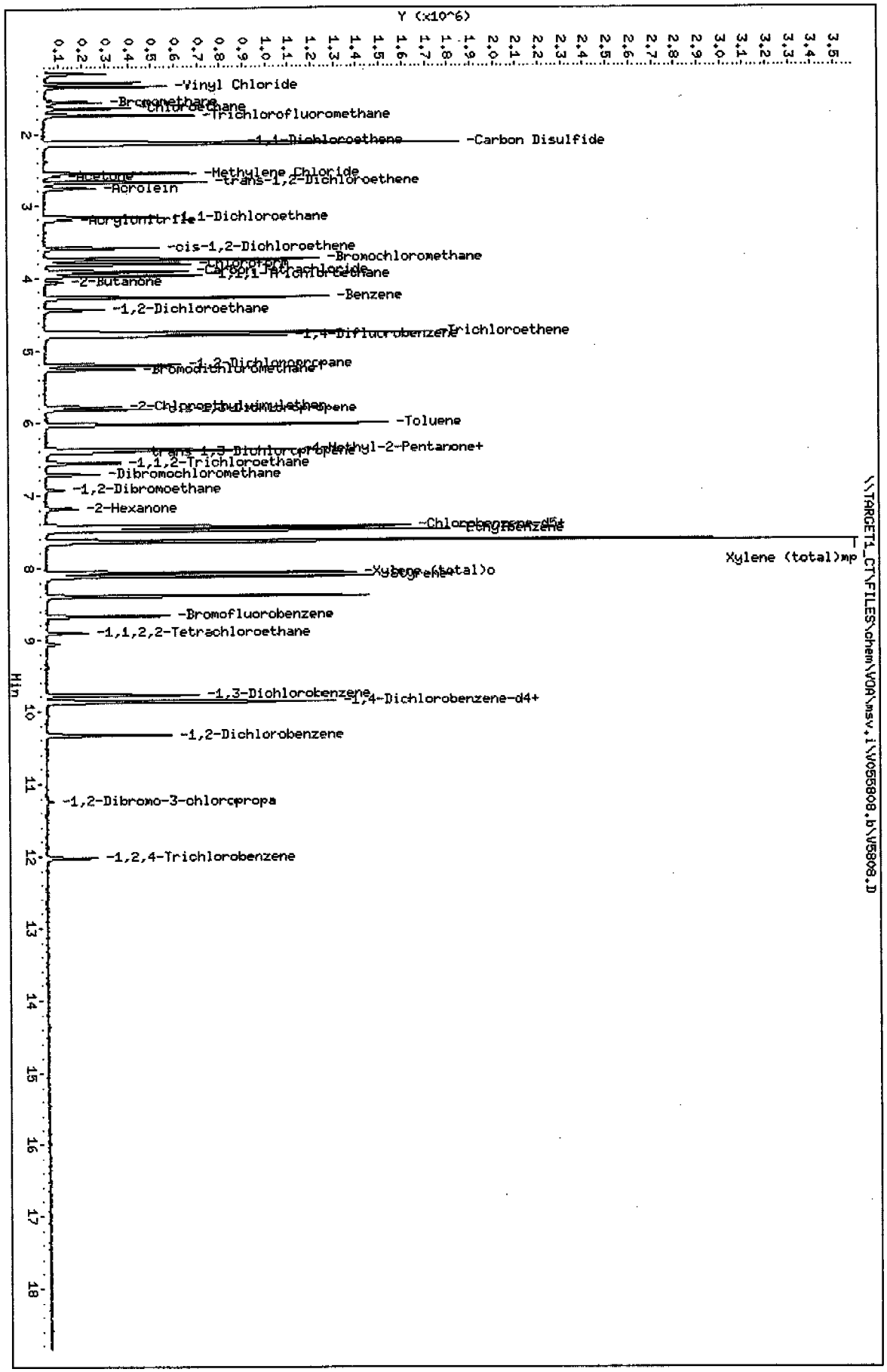
Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	25.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

D.H. 7/8/05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
*	1 1,4-Difluorobenzene	114	4.790	4.790	(1.000)	691600	5.00000	
	2 Chloromethane	50	1.295	1.295	(0.270)	292376	5.00000	5.1
	3 Vinyl Chloride	62	1.348	1.348	(0.281)	295938	5.00000	4.5
	4 Bromomethane	94	1.561	1.561	(0.326)	101986	5.00000	6.0
	5 Chloroethane	64	1.652	1.652	(0.345)	210310	5.00000	6.3
	6 Trichlorofluoromethane	101	1.743	1.743	(0.364)	352451	5.00000	5.3
	7 1,1-Dichloroethene	96	2.116	2.116	(0.442)	196101	5.00000	4.5
	8 Carbon Disulfide	76	2.132	2.132	(0.445)	1426158	5.00000	5.3
	9 Methylene Chloride	84	2.559	2.559	(0.534)	202157	5.00000	5.1
	10 Acetone	43	2.597	2.597	(0.542)	65374	25.0000	16
	11 trans-1,2-Dichloroethene	96	2.687	2.687	(0.561)	201947	5.00000	4.1
	12 Acrolein	56	2.773	2.773	(0.579)	22627	25.0000	36
	13 Acrylonitrile	53	3.205	3.205	(0.669)	72636	25.0000	18
	14 1,1-Dichloroethane	63	3.162	3.162	(0.660)	387128	5.00000	4.5
	16 cis-1,2-Dichloroethene	96	3.589	3.589	(0.749)	158254	5.00000	3.6
	17 Bromochloromethane	128	3.744	3.744	(0.782)	63623	5.00000	5.0
	18 Chloroform	83	3.808	3.808	(0.795)	363087	5.00000	5.0
	19 2-Butanone	43	4.059	4.059	(0.847)	84847	25.0000	15
	20 1,2-Dichloroethane	62	4.438	4.438	(0.926)	159141	5.00000	4.6
$	21 Bromofluorobenzene	95	8.670	8.670	(1.810)	151633	5.00000	3.4
*	22 Chlorobenzene-d5	117	7.432	7.432	(1.000)	464161	5.00000	
	23 1,1,1-Trichloroethane	97	3.968	3.968	(0.534)	360431	5.00000	6.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	24 Carbon Tetrachloride	117	3.915	3.915	(0.527)	323523	5.00000	6.2
	25 Benzene	78	4.273	4.273	(0.575)	799927	5.00000	5.3
	26 Trichloroethene	130	4.758	4.758	(0.640)	272671	5.00000	6.1
	27 1,2-Dichloropropane	63	5.196	5.196	(0.699)	150372	5.00000	4.7
	28 Bromodichloromethane	83	5.254	5.254	(0.707)	200880	5.00000	5.8
	29 2-Chloroethylvinylether	63	5.778	5.778	(0.777)	93753	25.0000	13
	30 cis-1,3-Dichloropropene	75	5.815	5.815	(0.782)	185284	5.00000	4.8
	31 trans-1,3-Dichloropropene	75	6.413	6.413	(0.863)	142916	5.00000	5.0
	32 1,1,2-Trichloroethane	97	6.557	6.557	(0.882)	87106	5.00000	5.6
	33 Dibromochloromethane	129	6.722	6.722	(0.904)	102906	5.00000	5.1
	34 Toluene	91	6.028	6.028	(0.811)	864023	5.00000	5.2
	35 4-Methyl-2-Pentanone	43	6.386	6.386	(0.859)	192059	25.0000	18
	36 Tetrachloroethene	164	6.375	6.375	(0.858)	191010	5.00000	5.3
	37 1,2-Dibromoethane	107	6.930	6.930	(0.933)	49030	5.00000	4.7
	38 2-Hexanone	43	7.181	7.181	(0.966)	79378	25.0000	12
	39 Chlorobenzene	112	7.448	7.448	(1.002)	554211	5.00000	5.5
	40 Ethylbenzene	106	7.491	7.491	(1.008)	352637	5.00000	5.8
	41 Xylene (total)mp	106	7.640	7.640	(1.028)	926820	10.0000	12
	42 Xylene (total)o	106	8.067	8.067	(1.085)	314208	5.00000	4.6
	43 Styrene	104	8.120	8.120	(1.093)	562355	5.00000	5.7
	44 1,1,2,2-Tetrachloroethane	83	8.900	8.900	(1.197)	79863	5.00000	5.7
*	45 1,4-Dichlorobenzene-d4	152	9.866	9.866	(1.000)	211008	5.00000	
	46 Bromoform	173	8.126	8.126	(0.824)	62156	5.00000	6.5
	47 1,3-Dichlorobenzene	146	9.780	9.780	(0.991)	268600	5.00000	4.6
	48 1,4-Dichlorobenzene	146	9.876	9.876	(1.001)	330023	5.00000	5.7
	49 1,2-Dichlorobenzene	146	10.335	10.335	(1.048)	216142	5.00000	4.7
	50 1,2-Dibromo-3-chloropropane	75	11.243	11.243	(1.140)	5429	5.00000	3.9
	51 1,2,4-Trichlorobenzene	180	12.027	12.027	(1.219)	67372	5.00000	2.8
M	52 1,2-Dichloroethene (total)	100				360201	10.0000	7.7
M	53 Xylene (total)	100				1241028	15.0000	16



Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055808.b\V5808.D
Date : 08-JUL-2005 09:29
Client ID: VSTD005VW
Sample Info: VSTD005VW
Purge Volume: 25.0
Column phase: RTX-VMS

Instrument: msv.i
Operator: D. HUMBERT
Column diameter: 0.25

7LCA

LOW CONC. WATER VOLATILE ORGANINCS CONTINUING CALIBRATION SUMMARY

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Instrument ID: MSV Calibration Date: 07/09/05 Time: 1046

Lab File ID: V5829 Init. Calib. Date(s): 07/07/05 07/07/05

Init. Calib. Times: 1656 1854

GC Column: RTX-VMS ID: 0.25 (mm) Length: 60 (m)

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D	
Chloromethane	0.415	0.418	0.010	-0.7		
Vinyl Chloride	0.471	0.462	0.100	1.9	30.0	
Bromomethane	0.124	0.167	0.100	-34.7	30.0	<-
Chloroethane	0.242	0.299	0.010	-23.6		
Trichlorofluoromethane	0.481	0.526		-9.4		
Acrolein	0.005	0.006	0.001	-20.0	30.0	
1,1-Dichloroethene	0.316	0.322	0.100	-1.9	30.0	
Acetone	0.030	0.051	0.001	-70.0	30.0	✓
Carbon Disulfide	1.946	2.033	0.010	-4.5		
Methylene Chloride	0.287	0.437	0.010	-52.3		✓←
trans-1,2-Dichloroethene	0.352	0.355	0.010	-0.8		
Acrylonitrile	0.030	0.026		13.3		
1,1-Dichloroethane	0.618	0.594	0.200	3.9	30.0	
cis-1,2-Dichloroethene	0.322	0.298	0.010	7.4		
2-Butanone	0.042	0.031		26.2		
Bromochloromethane	0.092	0.092	0.050	0.0	30.0	
Chloroform	0.520	0.535	0.200	-2.9	30.0	
1,1,1-Trichloroethane	0.649	0.726	0.100	-11.9	30.0	
Carbon Tetrachloride	0.566	0.651	0.100	-15.0	30.0	
Benzene	1.633	1.710	0.400	-4.7	30.0	
1,2-Dichloroethane	0.249	0.234	0.100	6.0	30.0	
Trichloroethene	0.485	0.565	0.300	-16.5	30.0	
1,2-Dichloropropane	0.345	0.336	0.010	2.6		
Bromodichloromethane	0.372	0.385	0.200	-3.5	30.0	
2-Chloroethylvinylether	0.076	0.059		22.4		
cis-1,3-Dichloropropene	0.415	0.407	0.200	1.9	30.0	
trans-1,3-Dichloropropene	0.307	0.283	0.100	7.8	30.0	
1,1,2-Trichloroethane	0.168	0.171	0.100	-1.8	30.0	
4-Methyl-2-Pentanone	0.113	0.092		18.6		
Toluene	1.806	1.878	0.400	-4.0	30.0	
Tetrachloroethene	0.389	0.422	0.100	-8.5	30.0	
2-Hexanone	0.069	0.047		31.9		✓
Dibromochloromethane	0.216	0.209	0.100	3.2	30.0	
1,2-Dibromoethane	0.111	0.104	0.100	6.3	30.0	
Chlorobenzene	1.093	1.153	0.500	-5.5	30.0	
Ethylbenzene	0.654	0.708	0.100	-8.2	30.0	
Xylene (total)mp	0.862	0.926	0.300	-7.4	30.0	
Xylene (total)o	0.736	0.728	0.300	1.1	30.0	
Styrene	1.070	1.123	0.300	-5.0	30.0	
Bromoform	0.226	0.219	0.050	3.1	30.0	
1,1,2,2-Tetrachloroethane	0.151	0.157	0.100	-4.0	30.0	
1,3-Dichlorobenzene	1.391	1.336	0.400	4.0	30.0	
1,4-Dichlorobenzene	1.363	1.457	0.400	-6.9	30.0	

7LCS
No Cl-4

7LCA

LOW CONC. WATER VOLATILE ORGANINCS CONTINUING CALIBRATION SUMMARY

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Instrument ID: MSV Calibration Date: 07/09/05 Time: 1046

Lab File ID: V5829 Init. Calib. Date(s): 07/07/05 07/07/05

Init. Calib. Times: 1656 1854

GC Column: RTX-VMS ID: 0.25 (mm) Length: 60 (m)

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D
1,2-Dichlorobenzene	1.081	1.073	0.400	0.7	30.0
1,2-Dibromo-3-chloropropane	0.033	0.029		12.1	
1,2,4-Trichlorobenzene	0.575	0.483	0.200	16.0	30.0
Xylene (total)	0.820	0.860	0.300	-4.9	30.0
1,2-Dichloroethene (total)	0.337	0.327		3.0	
Vinyl Acetate	0.032	0.017		46.9	
Bromofluorobenzene	0.319	0.255	0.200	20.1	30.0

FORM VII LCV OLC02.0

STL-CT

Volatile Report OLC 2.1 METHOD
\\TARGET1_CT\FILES\chem\VOA\msv.i\V055829.b\V5829.D

Data file : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055829.b\V5829.D
Lab Smp Id: VSTD005VX Client Smp ID: VSTD005VX
Inj Date : 09-JUL-2005 10:46 MS Autotune Date: 10-MAY-2005 11:27
Operator : D. HUMBERT Inst ID: msv.i
Smp Info : VSTD005VX
Misc Info : : ;;; VSTD005VX ; OLC ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055829.b\VOLC21W.m
Meth Date : 09-Jul-2005 19:40 larryd Quant Type: ISTD
Cal Date : 09-JUL-2005 10:46 Cal File: V5829.D
Als bottle: 78 Continuing Calibration Sample
Dil Factor: 1.00000 Compound Sublist: all.sub
Integrator: HP RTE
Target Version: 4.10
Processing Host: CONMSLNT

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	25.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

7/9/05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
*	1 1,4-Difluorobenzene	114	4.790	4.790	(1.000)	783308	5.00000	
	2 Chloromethane	50	1.295	1.295	(0.270)	327433	5.00000	5.0
	3 Vinyl Chloride	62	1.348	1.348	(0.281)	361587	5.00000	4.9
	4 Bromomethane	94	1.561	1.561	(0.326)	130954	5.00000	6.8
	5 Chloroethane	64	1.647	1.647	(0.344)	234417	5.00000	6.2
	6 Trichlorofluoromethane	101	1.743	1.743	(0.364)	412344	5.00000	5.5
	7 1,1-Dichloroethene	96	2.116	2.116	(0.442)	251945	5.00000	5.1
	8 Carbon Disulfide	76	2.132	2.132	(0.445)	1592499	5.00000	5.2
	9 Methylene Chloride	84	2.559	2.559	(0.534)	342504	5.00000	7.6
	10 Acetone	43	2.597	2.597	(0.542)	201331	25.0000	43
	11 trans-1,2-Dichloroethene	96	2.688	2.688	(0.561)	278068	5.00000	5.0
	12 Acrolein	56	2.773	2.773	(0.579)	25361	25.0000	35
	13 Acrylonitrile	53	3.205	3.205	(0.669)	102476	25.0000	22
	14 1,1-Dichloroethane	63	3.163	3.163	(0.660)	465509	5.00000	4.8
	15 Vinyl Acetate	43	3.371	3.371	(0.704)	13627	5.00000	2.7
	16 cis-1,2-Dichloroethene	96	3.589	3.589	(0.749)	233782	5.00000	4.6
	17 Bromochloromethane	128	3.744	3.744	(0.782)	72192	5.00000	5.0
	18 Chloroform	83	3.808	3.808	(0.795)	419128	5.00000	5.1
	19 2-Butanone	43	4.059	4.059	(0.847)	122348	25.0000	19
	20 1,2-Dichloroethane	62	4.438	4.438	(0.926)	183694	5.00000	4.7
$	21 Bromofluorobenzene	95	8.670	8.670	(1.810)	199827	5.00000	4.0
*	22 Chlorobenzene-d5	117	7.432	7.432	(1.000)	574786	5.00000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	23 1,1,1-Trichloroethane	97	3.968	3.968	(0.534)	417105	5.00000	5.6
	24 Carbon Tetrachloride	117	3.915	3.915	(0.527)	374333	5.00000	5.8
	25 Benzene	78	4.267	4.267	(0.574)	983197	5.00000	5.2
	26 Trichloroethene	130	4.758	4.758	(0.640)	324785	5.00000	5.8
	27 1,2-Dichloropropane	63	5.196	5.196	(0.699)	193427	5.00000	4.9
	28 Bromodichloromethane	83	5.260	5.260	(0.708)	221233	5.00000	5.2
	29 2-Chloroethylvinylether	63	5.778	5.778	(0.777)	170163	25.0000	20
	30 cis-1,3-Dichloropropene	75	5.815	5.815	(0.782)	233867	5.00000	4.9
	31 trans-1,3-Dichloropropene	75	6.413	6.413	(0.863)	162730	5.00000	4.6
	32 1,1,2-Trichloroethane	97	6.557	6.557	(0.882)	98180	5.00000	5.1
	33 Dibromochloromethane	129	6.722	6.722	(0.905)	120216	5.00000	4.9
	34 Toluene	91	6.028	6.028	(0.811)	1079552	5.00000	5.2
	35 4-Methyl-2-Pentanone	43	6.386	6.386	(0.859)	265671	25.0000	20
	36 Tetrachloroethene	164	6.375	6.375	(0.858)	242420	5.00000	5.4
	37 1,2-Dibromoethane	107	6.930	6.930	(0.933)	59499	5.00000	4.6
	38 2-Hexanone	43	7.187	7.187	(0.967)	135635	25.0000	17
	39 Chlorobenzene	112	7.448	7.448	(1.002)	662859	5.00000	5.3
	40 Ethylbenzene	106	7.491	7.491	(1.008)	407121	5.00000	5.4
	41 Xylene (total)mp	106	7.640	7.640	(1.028)	1064712	10.0000	11
	42 Xylene (total)o	106	8.067	8.067	(1.085)	418700	5.00000	4.9
	43 Styrene	104	8.121	8.121	(1.093)	645401	5.00000	5.2
	44 1,1,2,2-Tetrachloroethane	83	8.905	8.905	(1.198)	90192	5.00000	5.2
*	45 1,4-Dichlorobenzene-d4	152	9.866	9.866	(1.000)	285753	5.00000	
	46 Bromoform	173	8.126	8.126	(0.824)	62544	5.00000	4.8
	47 1,3-Dichlorobenzene	146	9.780	9.780	(0.991)	381918	5.00000	4.8
	48 1,4-Dichlorobenzene	146	9.876	9.876	(1.001)	416320	5.00000	5.3
	49 1,2-Dichlorobenzene	146	10.335	10.335	(1.048)	306636	5.00000	5.0
	50 1,2-Dibromo-3-chloropropane	75	11.237	11.237	(1.139)	8417	5.00000	4.4
	51 1,2,4-Trichlorobenzene	180	12.027	12.027	(1.219)	138147	5.00000	4.2
M	52 1,2-Dichloroethene (total)	100				511850	10.0000	9.7
M	53 Xylene (total)	100				1483412	15.0000	16

Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055829.b\V5829.D
Date : 09-JUL-2005 10:46
Client ID: VSTD005VX
Sample Info: VSTD005VX
Purge Volume: 25.0
Column phase: RTX-VMS
Instrument: msv.i
Operator: D. HUMBERT
Column diameter: 0.25
\\TARGET1_CT\FILES\chem\VOA\msv.i\V055829.b\V5829.D
Y (x10^6)
Min
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-1,1-Dichloroethene
-Carbon Disulfide
-Methylene Chloride
-trans-1,2-Dichloroethene
-Acrolein
-Acetone
-Acrylonitrile
-1,1-Dichloroethane
-Vinyl Acetate
-cis-1,2-Dichloroethene
-Bromochloromethane
-Chloroform
-Carbon Tetrachloride
-1,1,1-Trichloroethane
-2-Butanone
-Benzene
-1,2-Dichloroethane
-1,4-Difluorobenzene
-Trichloroethene
-1,2-Dichloropropane
-Bromodichloromethane
-2-Chloroethylvinylether
-cis-1,3-Dichloropropene
-Toluene
-4-Methyl-2-Pentanone+
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Dibromochloromethane
-1,2-Dibromoethane
-2-Hexanone
-Chlorobenzene-d5+
-Ethylbenzene
-Xylene (total)mp
-Xylene (total)o
-Styrene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene

Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055773.b\VB432.D

Date : 07-JUL-2005 13:27

Client ID: BFB

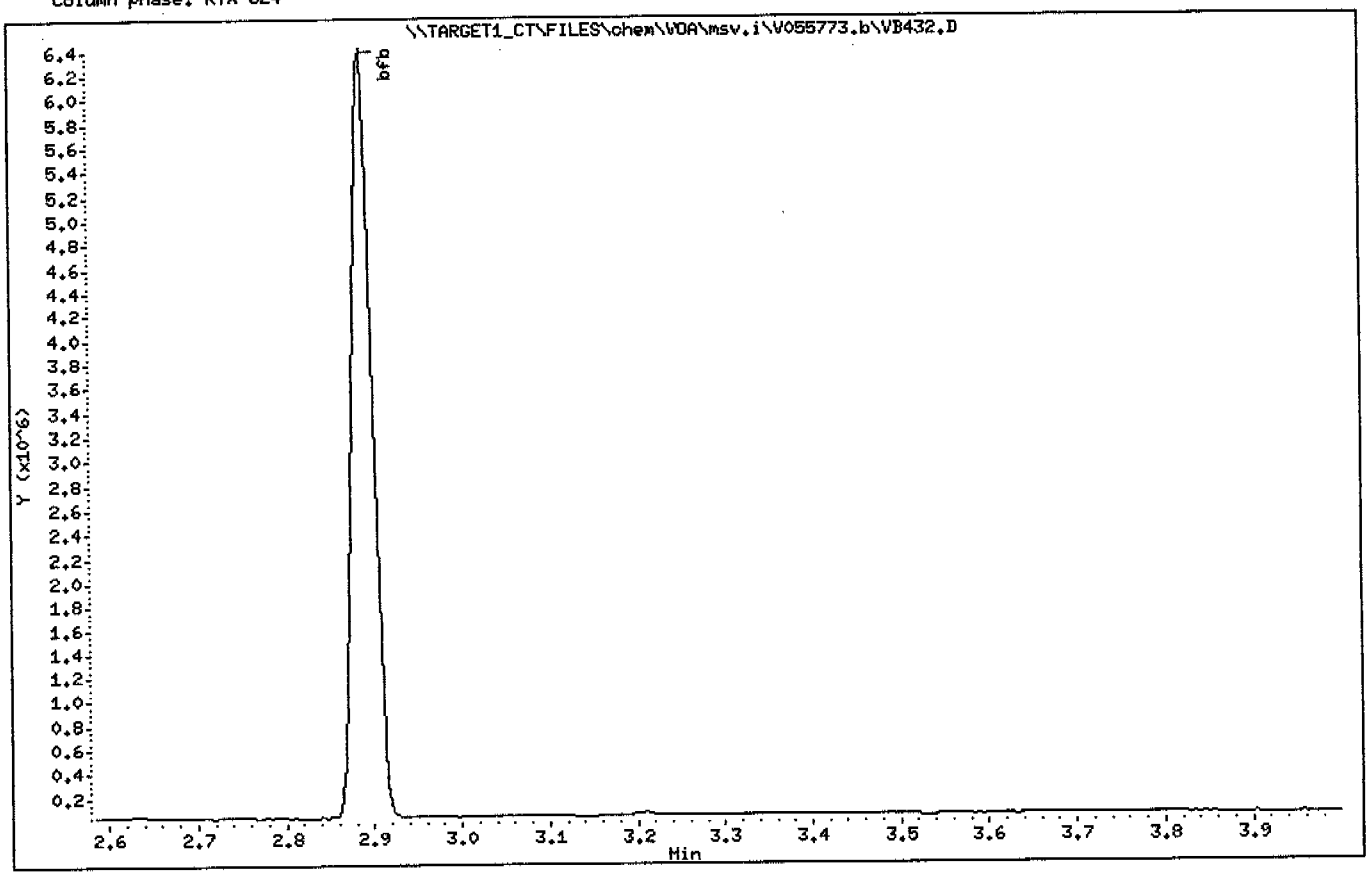
Instrument: msv.i

Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: RTX-624

Column diameter: 0.53



Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055773.b\VB432.D

Date : 07-JUL-2005 13:27

Client ID: BFB

Instrument: msv.i

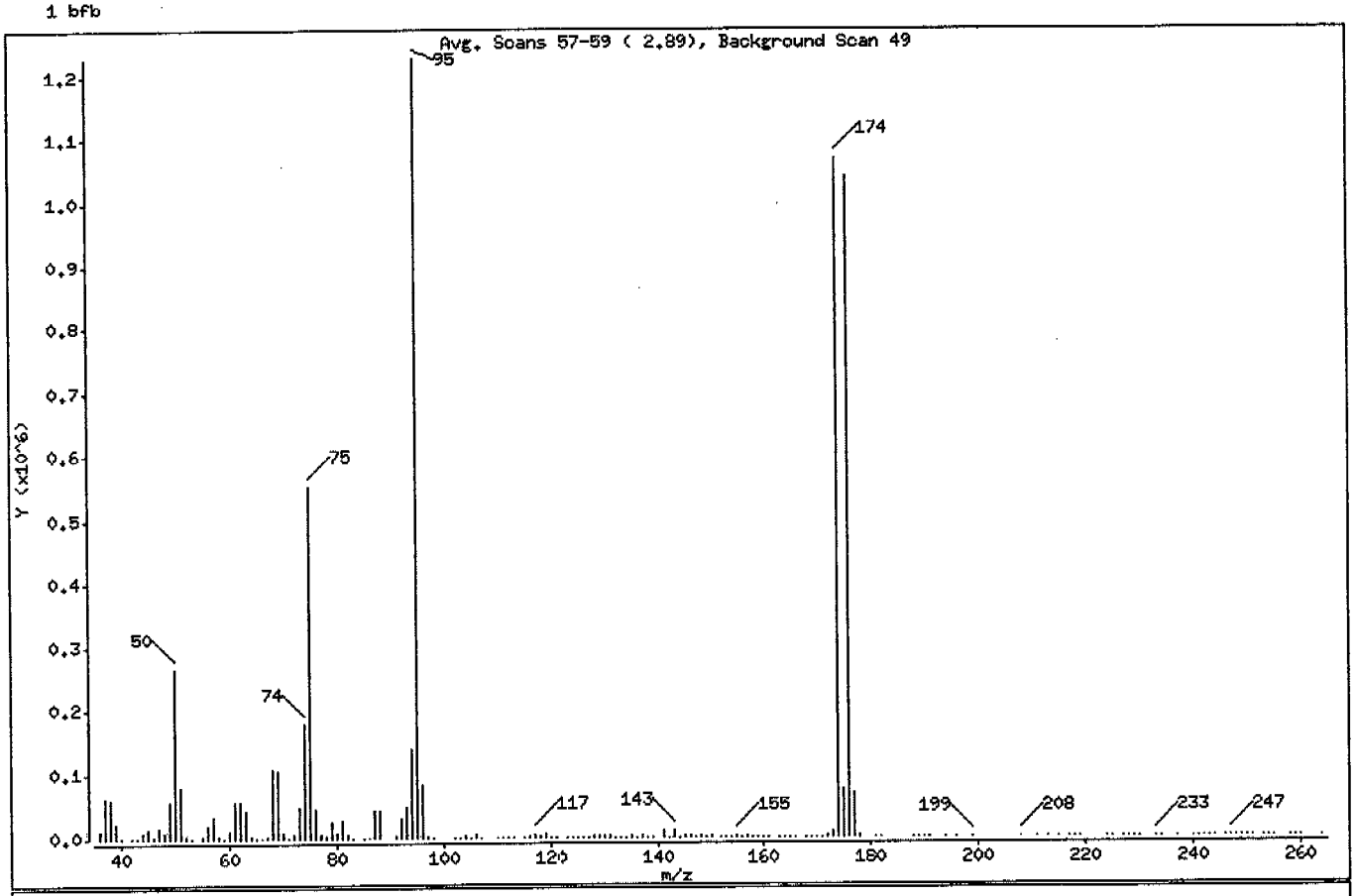
Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: RTX-624

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.69
75	30.00 - 60.00% of mass 95	45.10
96	5.00 - 9.00% of mass 95	6.67
173	Less than 2.00% of mass 174	0.75 (0.86)
174	50.00 - 100.00% of mass 95	87.23
175	5.00 - 9.00% of mass 174	5.96 (6.83)
176	95.00 - 101.00% of mass 174	84.79 (97.20)
177	5.00 - 9.00% of mass 176	5.43 (6.40)

Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055773.b\VB432.D

Date : 07-JUL-2005 13:27

Client ID: BFB

Instrument: msv.i

Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: RTX-624

Column diameter: 0.53

Data File: VB432.D

Spectrum: Avg. Scans 57-59 (2.89), Background Scan 49

Location of Maximum: 95.00

Number of points: 170

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	10216	81.00	28192	134.00	207	188.00	168
37.00	63312	82.00	5940	135.00	1633	189.00	86
38.00	58448	83.00	981	136.00	242	190.00	65
39.00	22352	85.00	151	137.00	1982	191.00	41
40.00	386	86.00	1357	138.00	192	194.00	156
42.00	19	87.00	43088	139.00	443	196.00	78
43.00	420	88.00	42696	141.00	10599	199.00	172
44.00	8097	91.00	3993	142.00	1214	208.00	177
45.00	12755	92.00	30336	143.00	11403	211.00	150
46.00	1464	93.00	47920	144.00	580	213.00	42
47.00	16472	94.00	138688	145.00	1460	215.00	79
48.00	7775	95.00	1227264	146.00	1411	217.00	116
49.00	56512	96.00	81888	147.00	680	218.00	145
50.00	266176	97.00	2252	148.00	2446	219.00	81
51.00	80272	98.00	89	149.00	275	224.00	171
52.00	3012	102.00	156	150.00	1420	225.00	115
53.00	223	103.00	225	152.00	444	227.00	63
55.00	2908	104.00	4063	153.00	733	228.00	116
56.00	19752	105.00	1370	154.00	609	229.00	103
57.00	34256	106.00	4475	155.00	3222	230.00	187
58.00	1411	107.00	809	156.00	361	233.00	255
59.00	77	110.00	757	157.00	1955	234.00	161
60.00	11489	111.00	803	158.00	418	237.00	46
61.00	56608	112.00	766	159.00	677	240.00	114
62.00	57264	113.00	1209	160.00	364	241.00	28
63.00	42064	115.00	1110	161.00	932	242.00	116
64.00	3821	116.00	3871	163.00	50	243.00	150
65.00	844	117.00	5908	164.00	186	244.00	40
66.00	9	118.00	3348	165.00	297	246.00	35
67.00	2440	119.00	5663	166.00	379	247.00	249
68.00	107896	120.00	308	168.00	77	248.00	76
69.00	104640	121.00	81	169.00	219	249.00	187
70.00	7776	123.00	89	170.00	575	250.00	140
71.00	165	124.00	683	171.00	576	251.00	80
72.00	4650	125.00	551	172.00	2407	253.00	36

Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055773.b\VB432.D

Date : 07-JUL-2005 13:27

Client ID: BFB

Instrument: msv.i

Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: RTX-624

Column diameter: 0.53

Data File: VB432.D

Spectrum: Avg. Scans 57-59 (2.89), Background Scan 49

Location of Maximum: 95.00

Number of points: 170

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	47392	126.00	261	173.00	9224	254.00	139
74.00	177600	127.00	516	174.00	1070592	255.00	92
75.00	553472	128.00	3524	175.00	73160	258.00	7
76.00	46352	129.00	1918	176.00	1040640	259.00	24
77.00	5037	130.00	2953	177.00	66592	260.00	240
78.00	3285	131.00	1505	178.00	2030	264.00	59
79.00	25832	132.00	213	181.00	237		
80.00	8405	133.00	335	182.00	127		

Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055785.b\VB434.D

Date : 07-JUL-2005 21:18

Client ID: BFB

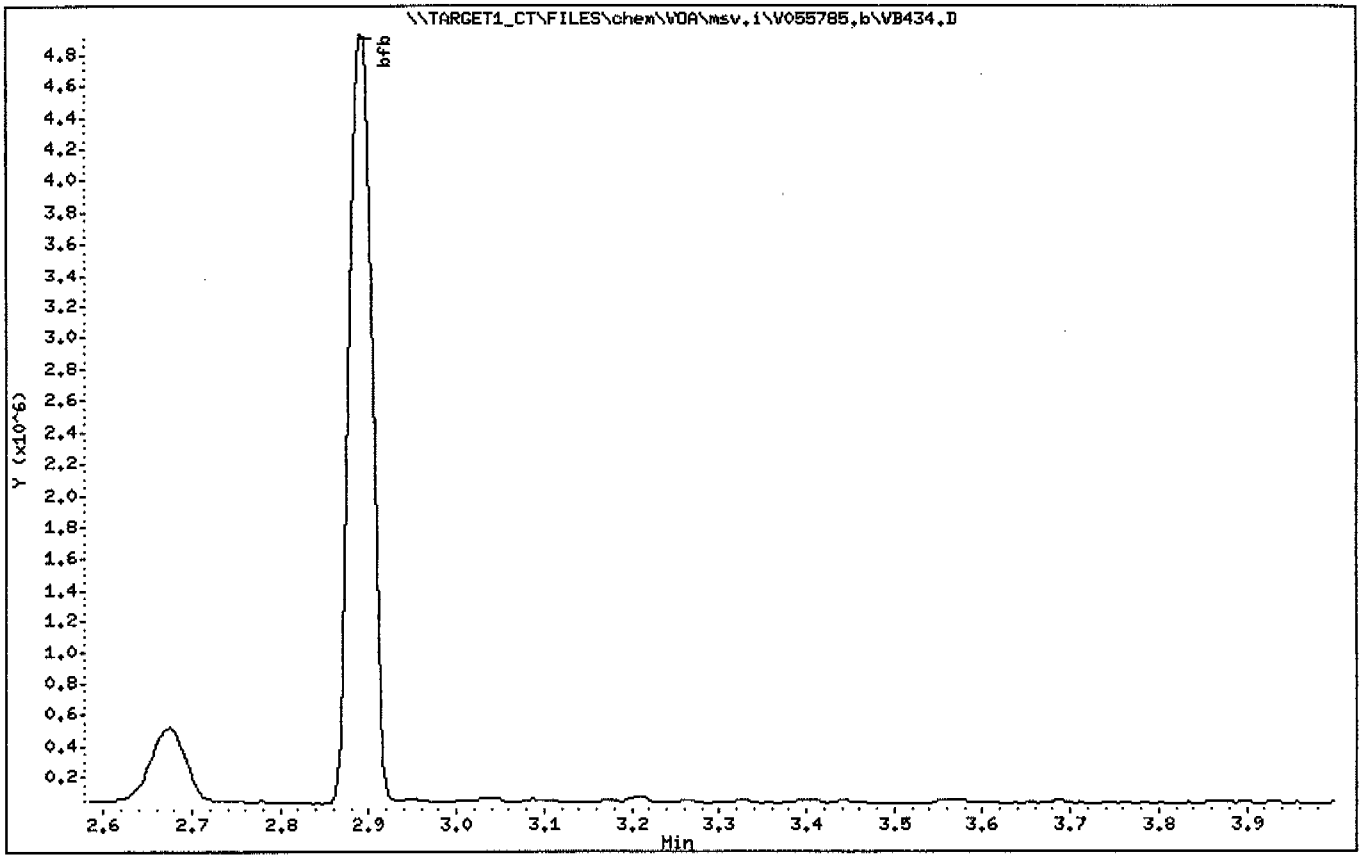
Instrument: msv.i

Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: RTX-624

Column diameter: 0.53



V05EWRK01

Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055785.b\VB434.D

Date : 07-JUL-2005 21:18

Client ID: BFB

Instrument: msv.i

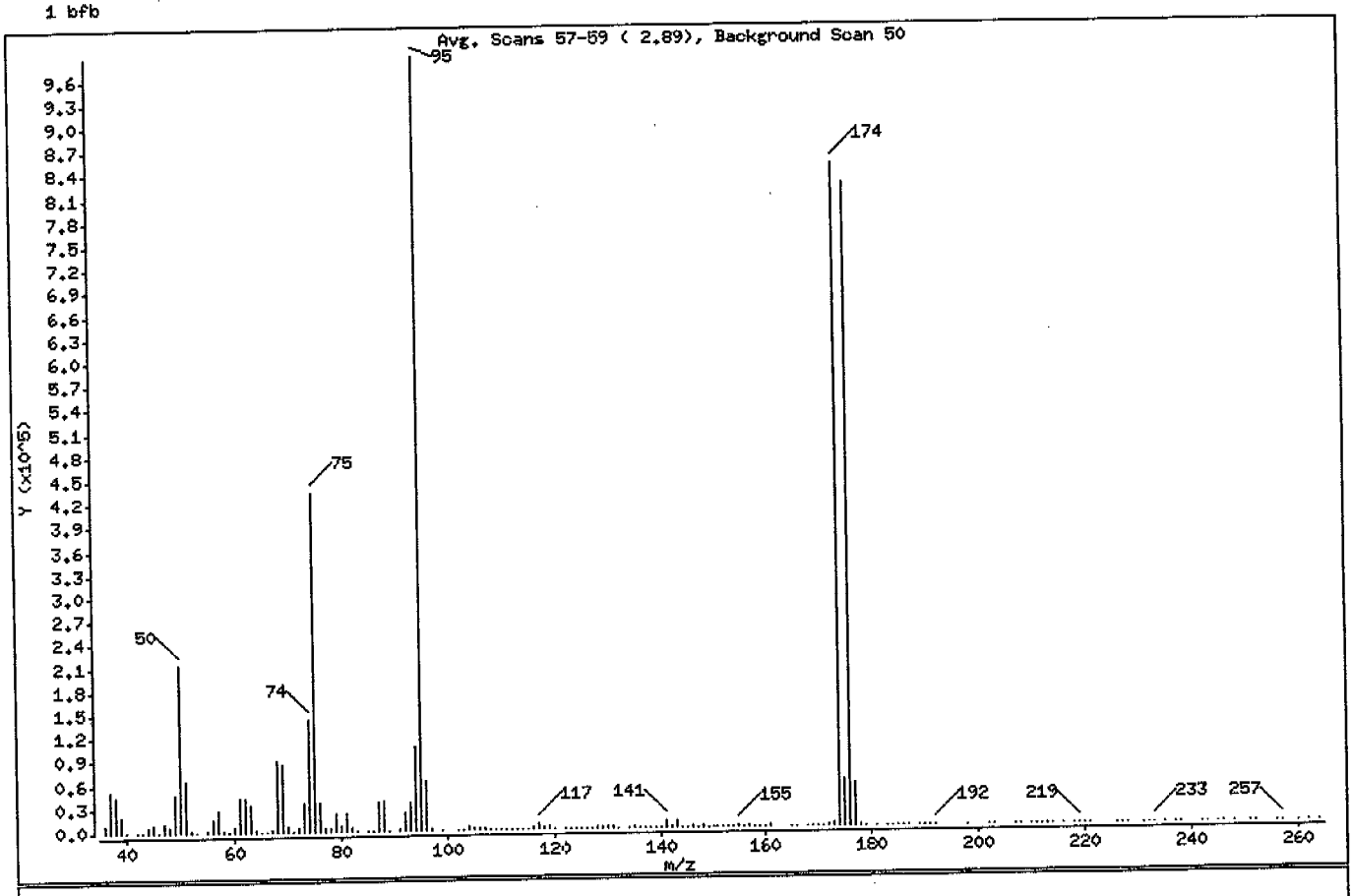
Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: RTX-624

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.65
75	30.00 - 60.00% of mass 95	43.92
96	5.00 - 9.00% of mass 95	6.47
173	Less than 2.00% of mass 174	0.57 (0.66)
174	50.00 - 100.00% of mass 95	85.65
175	5.00 - 9.00% of mass 174	6.04 (7.05)
176	95.00 - 101.00% of mass 174	83.22 (97.17)
177	5.00 - 9.00% of mass 176	5.54 (6.66)

Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055785.b\VB434.D

Date : 07-JUL-2005 21:18

Client ID: BFB

Instrument: msv.i

Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: RTX-624

Column diameter: 0.53

Data File: VB434.D

Spectrum: Avg. Scans 57-59 (2.89), Background Scan 50

Location of Maximum: 95.00

Number of points: 177

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	8428	83.00	409	135.00	1455	186.00	119
37.00	52776	85.00	498	136.00	383	187.00	172
38.00	45536	86.00	770	137.00	867	189.00	52
39.00	20280	87.00	35424	138.00	268	190.00	134
40.00	499	88.00	37688	139.00	313	191.00	54
42.00	101	89.00	112	140.00	953	192.00	297
43.00	409	91.00	2652	141.00	8756	198.00	194
44.00	6327	92.00	23240	142.00	1146	202.00	37
45.00	8854	93.00	36448	143.00	8485	203.00	78
46.00	736	94.00	107464	144.00	560	207.00	150
47.00	11968	95.00	988608	145.00	882	208.00	128
48.00	6418	96.00	64000	146.00	1160	210.00	38
49.00	46816	97.00	2507	147.00	486	211.00	169
50.00	214080	99.00	204	148.00	2532	212.00	169
51.00	66192	102.00	157	149.00	688	213.00	193
52.00	1826	103.00	38	150.00	651	214.00	61
53.00	241	104.00	3836	151.00	123	216.00	40
55.00	2160	105.00	1244	152.00	210	218.00	145
56.00	15014	106.00	3272	153.00	446	219.00	316
57.00	27200	107.00	1157	154.00	880	220.00	137
58.00	1533	108.00	192	155.00	2321	221.00	232
59.00	268	109.00	134	156.00	284	226.00	69
60.00	7580	110.00	166	157.00	1764	227.00	112
61.00	43000	111.00	650	158.00	29	228.00	157
62.00	42744	112.00	622	159.00	722	231.00	77
63.00	33912	113.00	724	160.00	270	232.00	139
64.00	2955	114.00	261	161.00	1154	233.00	193
65.00	888	115.00	951	165.00	165	235.00	40
66.00	61	116.00	3120	166.00	164	237.00	64
67.00	2420	117.00	6049	168.00	190	238.00	57
68.00	91600	118.00	2428	169.00	149	242.00	109
69.00	86168	119.00	4215	170.00	405	243.00	63
70.00	6762	120.00	271	171.00	829	245.00	50
71.00	767	122.00	325	172.00	2139	246.00	194
72.00	3668	123.00	50	173.00	5617	248.00	59

Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055785.b\VB434.D

Date : 07-JUL-2005 21:18

Client ID: BFB

Instrument: msv.i

Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: RTX-624

Column diameter: 0.53

Data File: VB434.D

Spectrum: Avg. Scans 57-59 (2.89), Background Scan 50

Location of Maximum: 95.00

Number of points: 177

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	35464	124.00	894	174.00	846720	251.00	238
74.00	143552	125.00	313	175.00	59688	252.00	47
75.00	434240	126.00	287	176.00	822720	256.00	95
76.00	35472	127.00	124	177.00	54792	257.00	243
77.00	5080	128.00	3085	178.00	1819	260.00	200
78.00	3571	129.00	1809	179.00	131	262.00	105
79.00	22512	130.00	2501	181.00	117	264.00	63
80.00	5703	131.00	1308	183.00	43		
81.00	21624	132.00	303	184.00	128		
82.00	5219	134.00	240	185.00	269		

Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055808.b\VB435.D

Date : 08-JUL-2005 09:12

Client ID: BFB

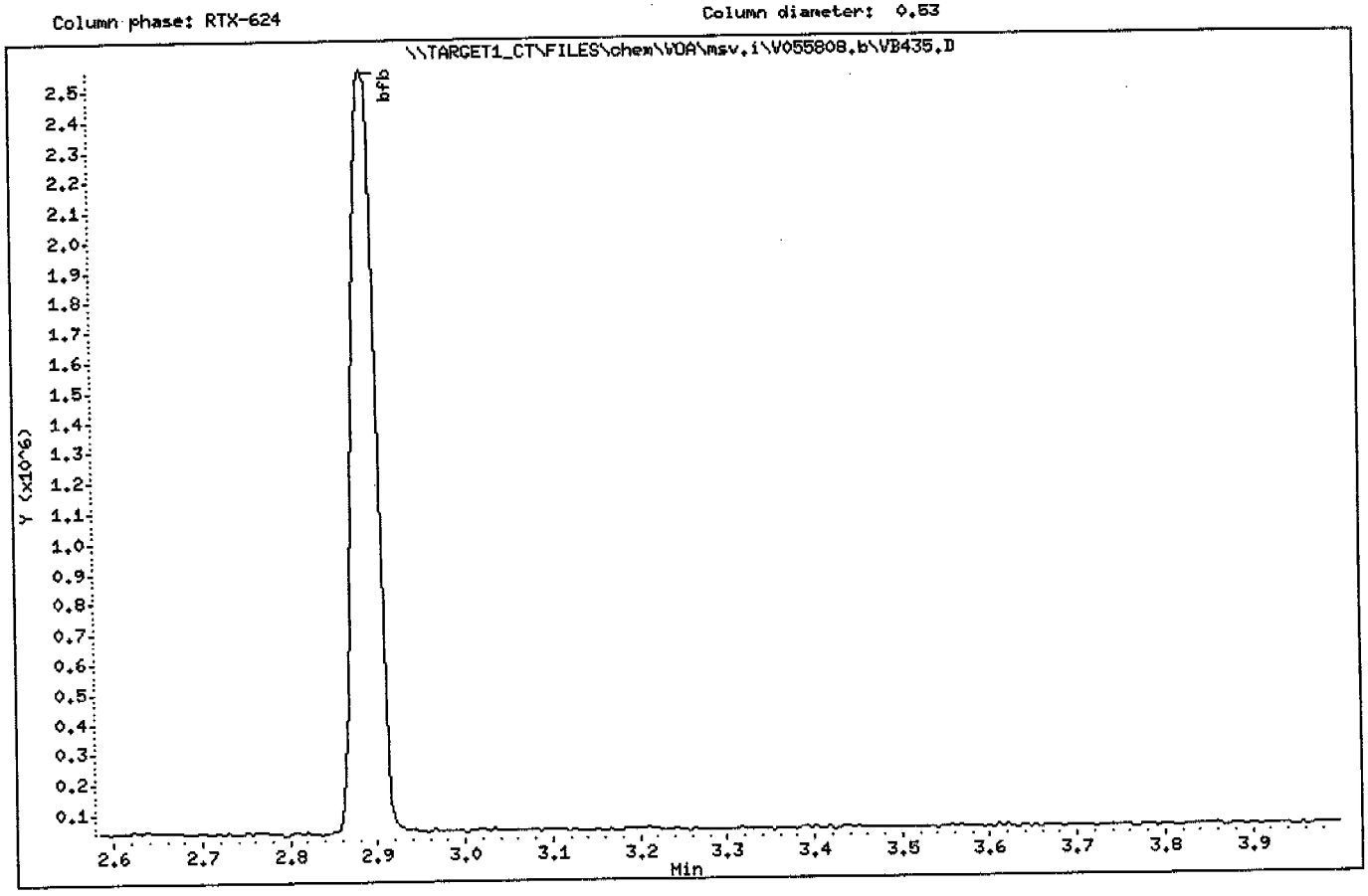
Instrument: msv.i

Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: RTX-624

Column diameter: 0.53



V05EWAK011

Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055808.b\VB435.D

Date : 08-JUL-2005 09:12

Client ID: BFB

Instrument: msv.i

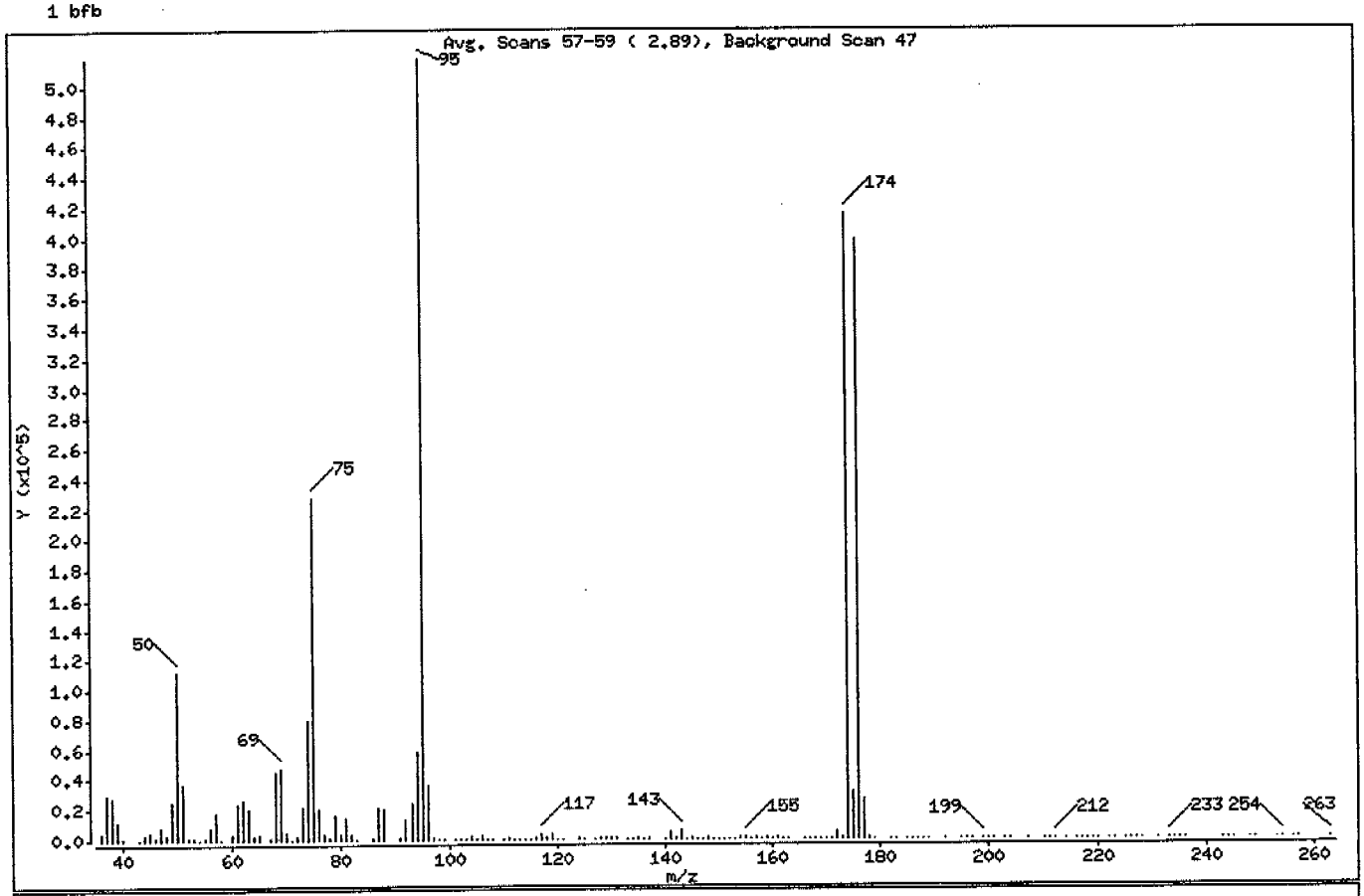
Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: RTX-624

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.55
75	30.00 - 60.00% of mass 95	43.95
96	5.00 - 9.00% of mass 95	6.96
173	Less than 2.00% of mass 174	0.23 (0.29)
174	50.00 - 100.00% of mass 95	79.95
175	5.00 - 9.00% of mass 174	6.09 (7.61)
176	95.00 - 101.00% of mass 174	76.78 (96.04)
177	5.00 - 9.00% of mass 176	5.13 (6.68)

Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055808.b\VB435.D

Date : 08-JUL-2005 09:12

Client ID: BFB

Instrument: msv.i

Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: RTX-624

Column diameter: 0.53

Data File: VB435.D

Spectrum: Avg. Scans 57-59 (2.89), Background Scan 47

Location of Maximum: 95.00

Number of points: 173

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	5334	86.00	772	140.00	335	189.00	155
37.00	29416	87.00	21664	141.00	4694	192.00	12
38.00	27616	88.00	20692	142.00	1168	195.00	79
39.00	11878	91.00	1454	143.00	6003	196.00	100
40.00	675	92.00	13531	144.00	421	197.00	138
43.00	483	93.00	23504	145.00	1013	199.00	316
44.00	3703	94.00	58752	146.00	414	200.00	35
45.00	5118	95.00	518976	147.00	396	201.00	41
46.00	620	96.00	36120	148.00	998	203.00	22
47.00	8105	97.00	736	149.00	502	204.00	230
48.00	3417	98.00	138	150.00	497	207.00	178
49.00	24968	99.00	78	151.00	213	210.00	167
50.00	111832	101.00	127	152.00	525	211.00	229
51.00	36904	102.00	322	153.00	490	212.00	333
52.00	1088	103.00	178	154.00	661	214.00	149
53.00	854	104.00	2012	155.00	1373	216.00	221
54.00	160	105.00	577	156.00	210	217.00	82
55.00	1477	106.00	2062	157.00	1106	218.00	115
56.00	8939	107.00	553	158.00	356	219.00	292
57.00	17704	108.00	439	159.00	742	220.00	131
58.00	537	110.00	237	160.00	145	222.00	89
60.00	3765	111.00	769	161.00	621	223.00	143
61.00	24376	112.00	492	162.00	227	225.00	36
62.00	26040	113.00	481	163.00	176	226.00	56
63.00	20096	114.00	140	166.00	38	227.00	60
64.00	2776	115.00	257	167.00	360	228.00	46
65.00	3518	116.00	1306	168.00	115	231.00	82
67.00	1550	117.00	3374	169.00	121	233.00	217
68.00	44888	118.00	1431	170.00	304	234.00	207
69.00	48016	119.00	3169	171.00	371	235.00	75
70.00	4344	120.00	164	172.00	5144	236.00	171
71.00	165	121.00	70	173.00	1198	243.00	63
72.00	2071	124.00	751	174.00	414912	244.00	168
73.00	21192	125.00	456	175.00	31584	245.00	48
74.00	79864	127.00	392	176.00	398464	248.00	115

Date : 08-JUL-2005 09:12

Client ID: BFB Instrument: msv.i

Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: RTX-624 Column diameter: 0.53

Data File: VB435.D

Spectrum: Avg. Scans 57-59 (2.89), Background Scan 47

Location of Maximum: 95.00

Number of points: 173

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	228096	128.00	1655	177.00	26608	249.00	21
76.00	20376	129.00	621	178.00	748	253.00	184
77.00	3230	130.00	1365	179.00	109	254.00	218
78.00	1716	131.00	858	182.00	207	256.00	79
79.00	16464	133.00	98	183.00	152	257.00	70
80.00	4168	134.00	295	185.00	96	263.00	94
81.00	14663	135.00	709	186.00	38		
82.00	3685	136.00	238	187.00	109		
83.00	371	137.00	746	188.00	30		

Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055829.b\VB436.D

Date : 09-JUL-2005 10:30

Client ID: BFB

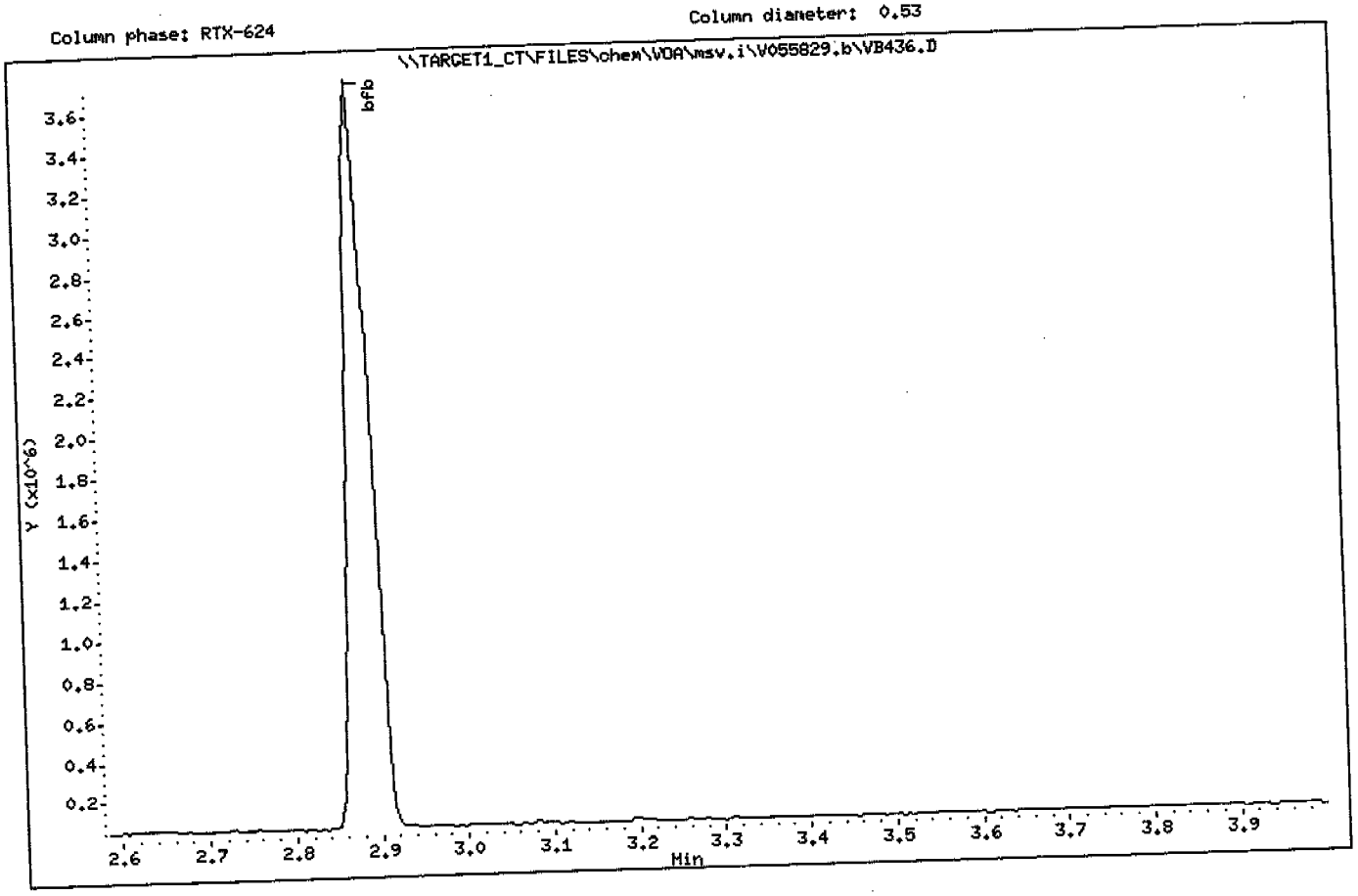
Instrument: msv.i

Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: RTX-624

Column diameter: 0.53



V05EWRK011

Data File: \\TARGET1_CT\FILES\chem\WOA\msv.i\V055829.b\VB436.D

Date : 09-JUL-2005 10:30

Client ID: BFB

Instrument: msv.i

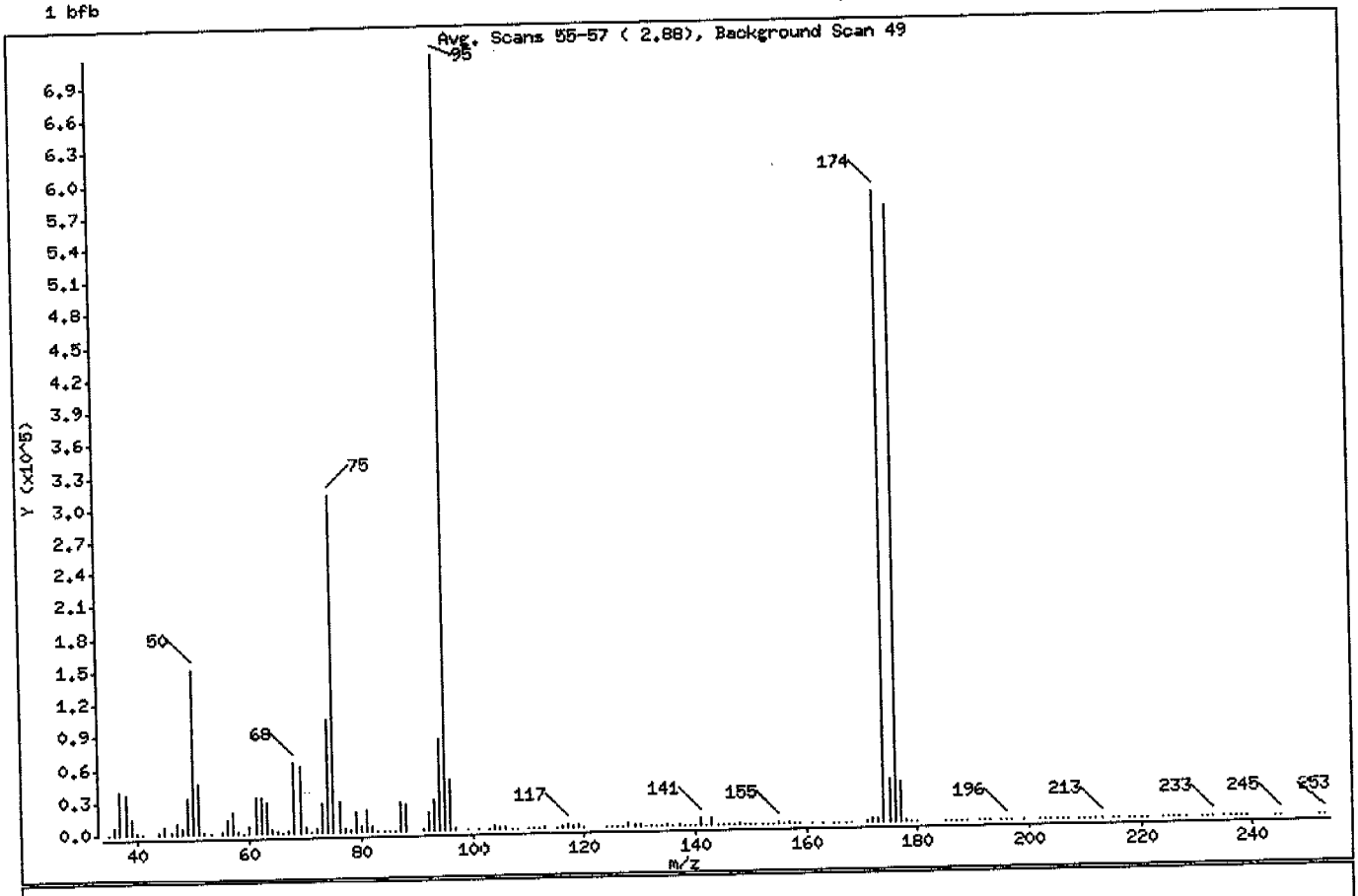
Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: RTX-624

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.13
75	30.00 - 60.00% of mass 95	43.50
96	5.00 - 9.00% of mass 95	6.39
173	Less than 2.00% of mass 174	0.44 (0.54)
174	50.00 - 100.00% of mass 95	81.40
175	5.00 - 9.00% of mass 174	5.60 (6.89)
176	95.00 - 101.00% of mass 174	79.49 (97.65)
177	5.00 - 9.00% of mass 176	5.08 (6.39)

Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055829.b\VB436.D

Date : 09-JUL-2005 10:30

Client ID: BFB

Instrument: msv.i

Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: RTX-624

Column diameter: 0.53

Data File: VB436.D

Spectrum: Avg. Scans 55-57 (2.88), Background Scan 49

Location of Maximum: 95.00

Number of points: 174

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	163	82.00	4771	136.00	538	189.00	156
36.00	6284	83.00	357	137.00	1208	191.00	117
37.00	39280	84.00	158	138.00	141	192.00	36
38.00	35776	85.00	190	139.00	373	193.00	97
39.00	15033	86.00	346	140.00	823	195.00	192
40.00	1073	87.00	26064	141.00	6780	196.00	214
41.00	485	88.00	24640	142.00	498	197.00	174
44.00	2404	91.00	2450	143.00	6552	199.00	126
45.00	7133	92.00	17280	144.00	34	202.00	229
46.00	874	93.00	28144	145.00	508	203.00	212
47.00	10093	94.00	83184	146.00	813	204.00	17
48.00	4223	95.00	716224	147.00	636	205.00	147
49.00	32784	96.00	45792	148.00	1173	206.00	66
50.00	151360	97.00	1987	149.00	406	207.00	44
51.00	46056	99.00	368	150.00	555	209.00	133
52.00	1677	101.00	126	151.00	97	210.00	77
53.00	565	103.00	305	152.00	279	211.00	69
55.00	2075	104.00	2634	153.00	228	212.00	163
56.00	12578	105.00	1132	154.00	591	213.00	262
57.00	20088	106.00	2365	155.00	1456	215.00	211
58.00	847	107.00	107	156.00	459	216.00	160
59.00	387	108.00	71	157.00	966	218.00	46
60.00	6045	110.00	538	158.00	149	219.00	236
61.00	32560	111.00	744	159.00	623	220.00	361
62.00	33352	112.00	207	161.00	821	221.00	124
63.00	27336	113.00	839	163.00	109	224.00	173
64.00	2528	115.00	646	165.00	66	225.00	42
65.00	1437	116.00	1959	166.00	90	226.00	32
66.00	386	117.00	4044	167.00	14	227.00	141
67.00	1181	118.00	2228	168.00	46	228.00	107
68.00	63416	119.00	2963	171.00	957	231.00	81
69.00	61416	120.00	438	172.00	3428	232.00	98
70.00	4891	124.00	325	173.00	3139	233.00	772
71.00	52	125.00	198	174.00	583040	235.00	209
72.00	3354	126.00	438	175.00	40144	236.00	89

Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055829.b\VB436.D

Date : 09-JUL-2005 10:30

Client ID: BFB

Instrument: msv.i

Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: RTX-624

Column diameter: 0.53

Data File: VB436.D

Spectrum: Avg. Scans 55-57 (2.88), Background Scan 49

Location of Maximum: 95.00

Number of points: 174

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	26456	127.00	191	176.00	569344	237.00	240
74.00	102944	128.00	2743	177.00	36408	238.00	234
75.00	311552	129.00	1474	178.00	949	239.00	78
76.00	28032	130.00	2040	179.00	119	244.00	158
77.00	3576	131.00	802	180.00	42	245.00	283
78.00	2240	132.00	194	185.00	6	252.00	57
79.00	18536	133.00	225	186.00	152	253.00	102
80.00	4951	134.00	236	187.00	78		
81.00	20136	135.00	1032	188.00	91		

QUALITY CONTROL RESULTS

Job Number.: 210038 Report Date.: 07/14/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		51301 -001		07/07/2005	2247

Test Method.....: OLC02.1 Equipment Code....: MSV Analyst...: pam
Method Description.: CLP Volatile Organics Batch.....: 51441

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chloromethane	ug/L	0.10	U							
Vinyl chloride	ug/L	0.10	U							
Bromomethane	ug/L	0.10	U							
Chloroethane	ug/L	0.10	U							
1,1-Dichloroethene	ug/L	0.10	U							
Carbon disulfide	ug/L	0.10	U							
Acetone	ug/L	1.06	J							B
Methylene chloride	ug/L	0.41	J							B
trans-1,2-Dichloroethene	ug/L	0.10	U							
1,1-Dichloroethane	ug/L	0.10	U							
cis-1,2-Dichloroethene	ug/L	0.10	U							
2-Butanone (MEK)	ug/L	0.10	U							
Bromochloromethane	ug/L	0.10	U							
Chloroform	ug/L	0.10	U							
1,1,1-Trichloroethane	ug/L	0.10	U							
Carbon tetrachloride	ug/L	0.10	U							
Benzene	ug/L	0.10	U							
1,2-Dichloroethane	ug/L	0.10	U							
Trichloroethene	ug/L	0.10	U							
1,2-Dichloropropane	ug/L	0.10	U							
Bromodichloromethane	ug/L	0.10	U							
cis-1,3-Dichloropropene	ug/L	0.10	U							
4-Methyl-2-pentanone (MIBK)	ug/L	0.10	U							
Toluene	ug/L	0.10	U							
trans-1,3-Dichloropropene	ug/L	0.10	U							
1,1,2-Trichloroethane	ug/L	0.10	U							
Tetrachloroethene	ug/L	0.10	U							
2-Hexanone	ug/L	0.10	U							
Dibromochloromethane	ug/L	0.10	U							
1,2-Dibromoethane (EDB)	ug/L	0.10	U							
Chlorobenzene	ug/L	0.10	U							
Ethylbenzene	ug/L	0.10	U							
Styrene	ug/L	0.10	U							
Bromoform	ug/L	0.10	U							
1,1,2,2-Tetrachloroethane	ug/L	0.10	U							
Xylenes (total)	ug/L	0.10	U							
1,3-Dichlorobenzene	ug/L	0.10	U							
1,4-Dichlorobenzene	ug/L	0.10	U							
1,2-Dichlorobenzene	ug/L	0.10	U							
1,2-Dibromo-3-chloropropane	ug/L	0.10	U							
1,2,4-Trichlorobenzene	ug/L	0.10	U							

Page 14 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

51301-1MB

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Lab Sample ID: 51301-1MB Date Received: _____

Lab File ID: V5787 Date Analyzed: 07/07/05

Purge Volume: 25 (mL) Dilution Factor: 1.0

GC Column: RTX-VMS ID: 0.25 (mm) Length: 60 (m)

Number TICs found: 0

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC. (ug/L)	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

STL-CT

Volatile Report OLC 2.1 METHOD

Data file : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055785.b\V5787.D
Lab Smp Id: MB Client Smp ID: MB
Inj Date : 07-JUL-2005 22:47 MS Autotune Date: 10-MAY-2005 11:27
Operator : D. HUMBERT Inst ID: msv.i
Smp Info : MB
Misc Info : : MB ;;; VBLKVV ; OLC ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055785.b\VOLC21W.m
Meth Date : 07-Jul-2005 23:11 dave Quant Type: ISTD
Cal Date : 07-JUL-2005 21:28 Cal File: V5785.D
Als bottle: 48 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: CONMSLNT

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

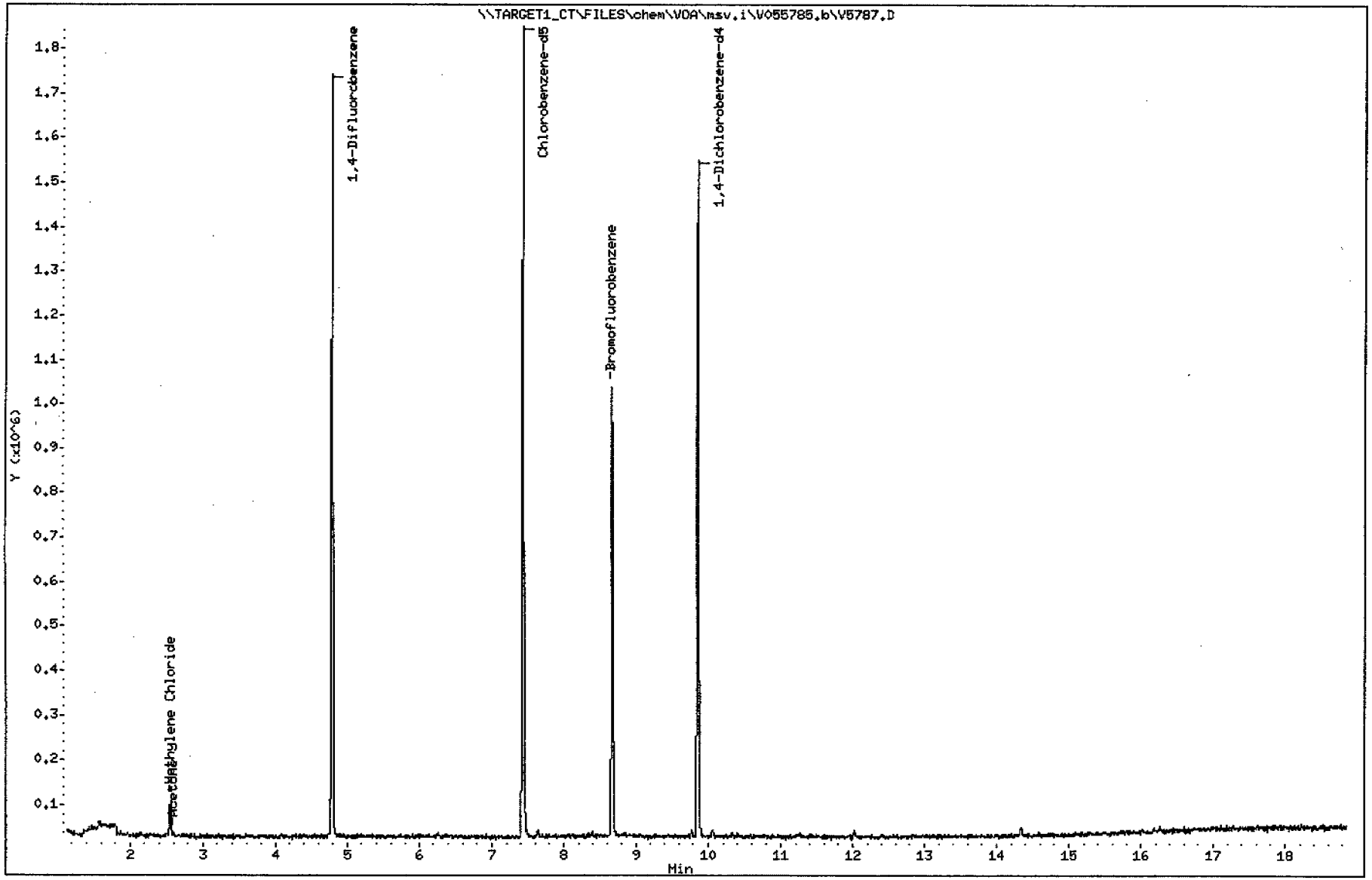
Name	Value	Description
DF	1.000	Dilution Factor
Uf	25.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

D.H. 7/7/05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	1 1,4-Difluorobenzene	114	4.790	4.790	(1.000)	1102538	5.00000	
	9 Methylene Chloride	84	2.560	2.560	(0.534)	24669	0.41127	0.41
	10 Acetone	43	2.597	2.597	(0.542)	5795	1.05818	1.1
$	21 Bromofluorobenzene	95	8.670	8.670	(1.810)	304479	4.78991	4.8
*	22 Chlorobenzene-d5	117	7.432	7.432	(1.000)	877812	5.00000	
*	45 1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	387960	5.00000	

Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055785.b\V5787.D
Date : 07-JUL-2005 22:47
Client ID: MB
Sample Info: MB
Purge Volume: 25.0
Column phase: RTX-VMS

Instrument: msv.i
Operator: D. HUMBERT
Column diameter: 0.25



Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055785.b\V5787.D

Date : 07-JUL-2005 22:47

Client ID: MB

Instrument: msv.i

Sample Info: MB

Purge Volume: 25.0

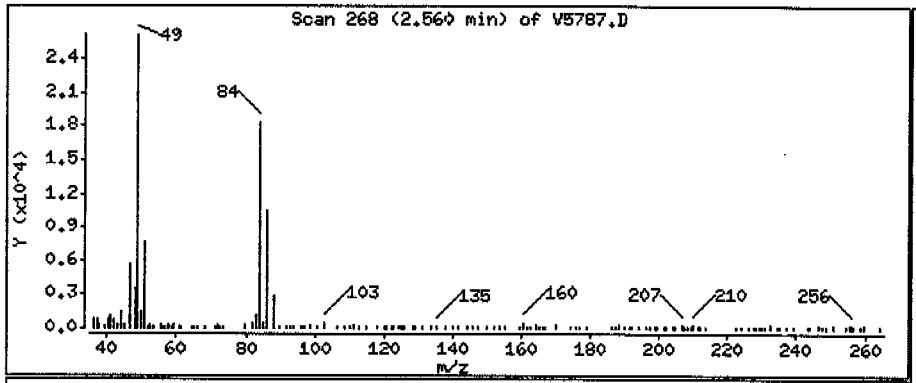
Operator: D. HUMBERT

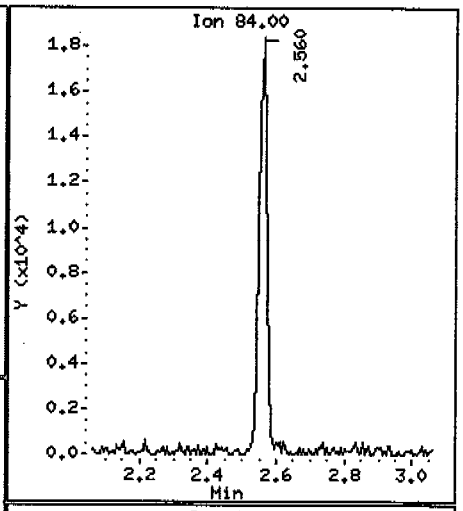
Column phase: RTX-VMS

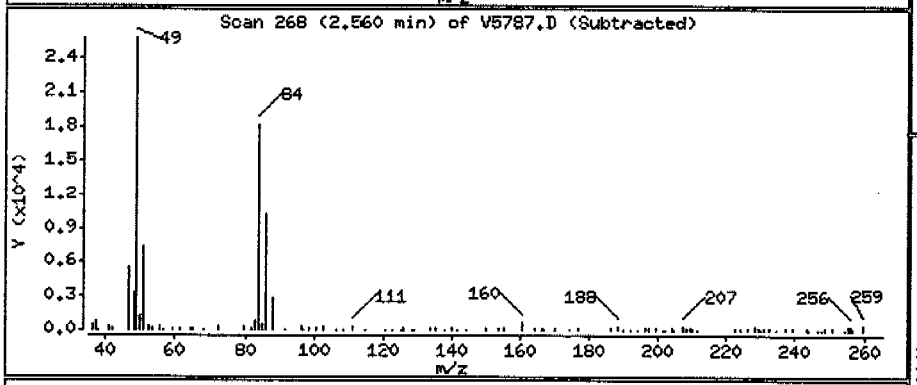
Column diameter: 0.25

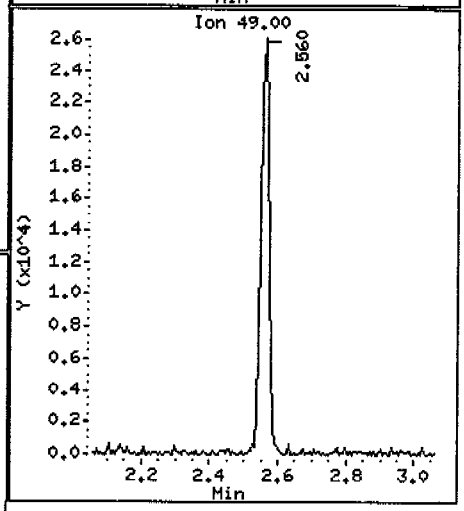
9 Methylene Chloride

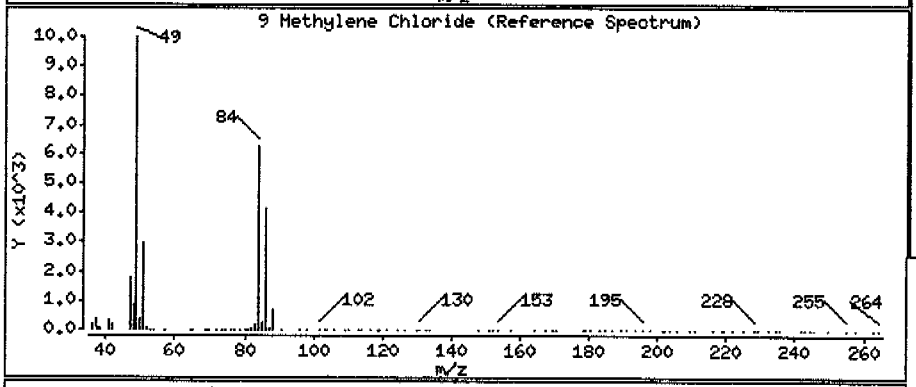
Concentration: 0.41 ug/L

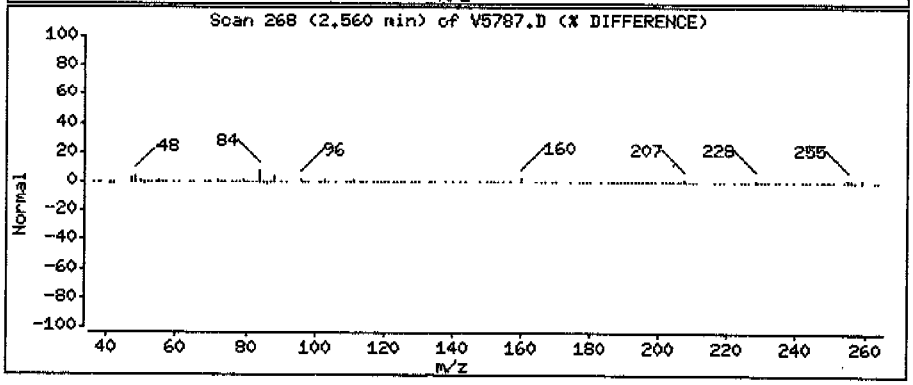












Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055785.b\V5787.D

Date : 07-JUL-2005 22:47

Client ID: MB

Instrument: msv.i

Sample Info: MB

Purge Volume: 25.0

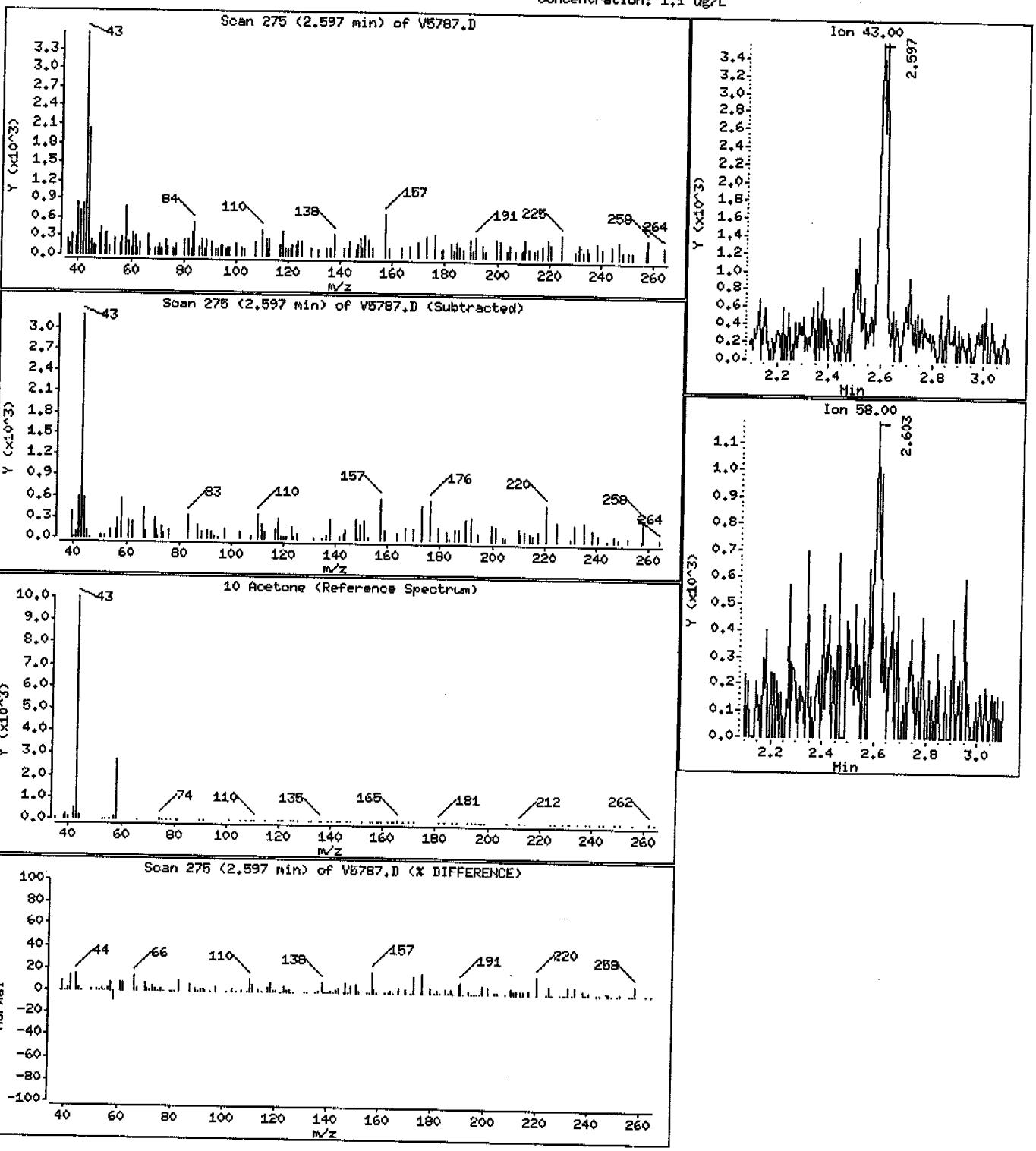
Operator: D. HUMBERT

Column phase: RTX-VMS

Column diameter: 0.25

10 Acetone

Concentration: 1.1 ug/L



QUALITY CONTROL RESULTS

Job Number.: 210038 Report Date.: 07/14/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		51311 -001		07/08/2005	1103

Test Method.....: OLC02.1 Equipment Code....: MSV Analyst...: pam
Method Description.: CLP Volatile Organics Batch.....: 51442

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chloromethane	ug/L	0.10	U							
Vinyl chloride	ug/L	0.10	U							
Bromomethane	ug/L	0.10	U							
Chloroethane	ug/L	0.10	U							
1,1-Dichloroethene	ug/L	0.10	U							
Carbon disulfide	ug/L	0.10	U							
Acetone	ug/L	2.94	J							B
Methylene chloride	ug/L	2.33								B
trans-1,2-Dichloroethene	ug/L	0.10	U							
1,1-Dichloroethane	ug/L	0.10	U							
cis-1,2-Dichloroethene	ug/L	0.10	U							
2-Butanone (MEK)	ug/L	0.10	U							
Bromochloromethane	ug/L	0.10	U							
Chloroform	ug/L	0.10	U							
1,1,1-Trichloroethane	ug/L	0.10	U							
Carbon tetrachloride	ug/L	0.10	U							
Benzene	ug/L	0.10	U							
1,2-Dichloroethane	ug/L	0.10	U							
Trichloroethene	ug/L	0.10	U							
1,2-Dichloropropane	ug/L	0.10	U							
Bromodichloromethane	ug/L	0.10	U							
cis-1,3-Dichloropropene	ug/L	0.10	U							
4-Methyl-2-pentanone (MIBK)	ug/L	0.10	U							
Toluene	ug/L	0.10	U							
trans-1,3-Dichloropropene	ug/L	0.10	U							
1,1,2-Trichloroethane	ug/L	0.10	U							
Tetrachloroethene	ug/L	0.10	U							
2-Hexanone	ug/L	0.10	U							
Dibromochloromethane	ug/L	0.10	U							
1,2-Dibromoethane (EDB)	ug/L	0.10	U							
Chlorobenzene	ug/L	0.10	U							
Ethylbenzene	ug/L	0.10	U							
Styrene	ug/L	0.10	U							
Bromoform	ug/L	0.10	U							
1,1,2,2-Tetrachloroethane	ug/L	0.10	U							
Xylenes (total)	ug/L	0.10	U							
1,3-Dichlorobenzene	ug/L	0.10	U							
1,4-Dichlorobenzene	ug/L	0.10	U							
1,2-Dichlorobenzene	ug/L	0.10	U							
1,2-Dibromo-3-chloropropane	ug/L	0.10	U							
1,2,4-Trichlorobenzene	ug/L	0.10	U							

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

51311-1MB

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Lab Sample ID: 51311-1MB Date Received: _____

Lab File ID: V5810 Date Analyzed: 07/08/05

Purge Volume: 25 (mL) Dilution Factor: 1.0

GC Column: RTX-VMS ID: 0.25 (mm) Length: 60 (m)

Number TICs found: 0

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC. (ug/L)	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

STL-CT

Volatile Report OLC 2.1 METHOD

Data file : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055808.b\V5810.D
Lab Smp Id: MB Client Smp ID: MB
Inj Date : 08-JUL-2005 11:03 MS Autotune Date: 10-MAY-2005 11:27
Operator : D. HUMBERT Inst ID: msv.i
Smp Info : MB
Misc Info : : ;;; VBLKVW ; OLC ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055808.b\VOLC21W.m
Meth Date : 08-Jul-2005 20:29 larryd Quant Type: ISTD
Cal Date : 08-JUL-2005 09:29 Cal File: V5808.D
Als bottle: 67 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: CONMSLNT

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

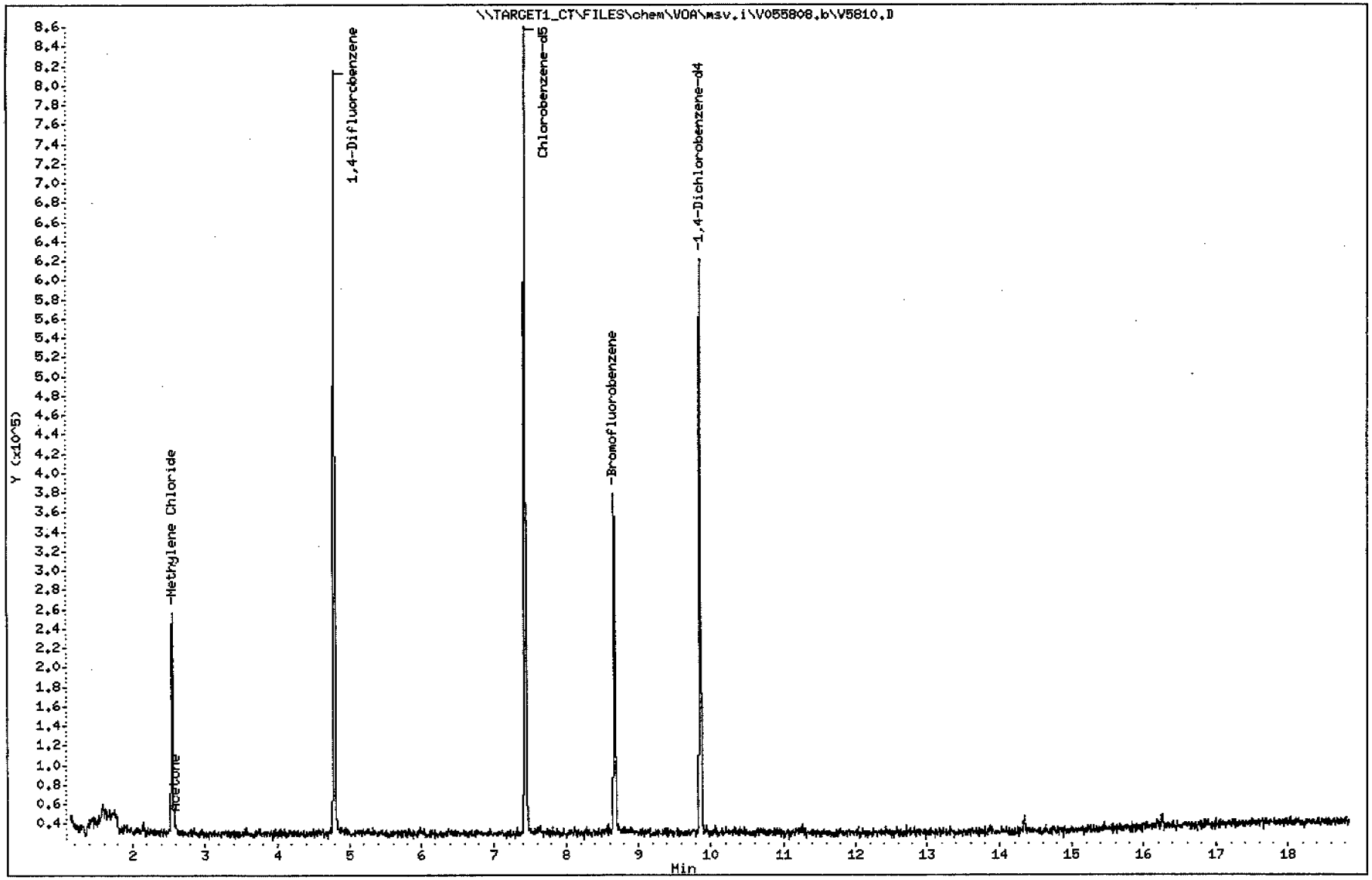
Name	Value	Description
DF	1.000	Dilution Factor
Uf	25.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

D.H. 7/8/05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	1 1,4-Difluorobenzene	114	4.790	4.790	(1.000)	494373	5.00000	
	9 Methylene Chloride	84	2.560	2.559	(0.534)	67264	2.32736	2.3
	10 Acetone	43	2.597	2.597	(0.542)	5495	2.93969	2.9
$	21 Bromofluorobenzene	95	8.670	8.670	(1.810)	100247	4.62432	4.6
*	22 Chlorobenzene-d5	117	7.432	7.432	(1.000)	399909	5.00000	
*	45 1,4-Dichlorobenzene-d4	152	9.866	9.866	(1.000)	146786	5.00000	

Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055808.b\V5810.D
Date : 08-JUL-2005 11:03
Client ID: MB
Sample Info: MB
Purge Volume: 25.0
Column phase: RTX-VMS

Instrument: msv.i
Operator: D. HUMBERT
Column diameter: 0.25



Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055808.b\V5810.D

Date : 08-JUL-2005 11:03

Client ID: MB

Instrument: msv.i

Sample Info: MB

Purge Volume: 25.0

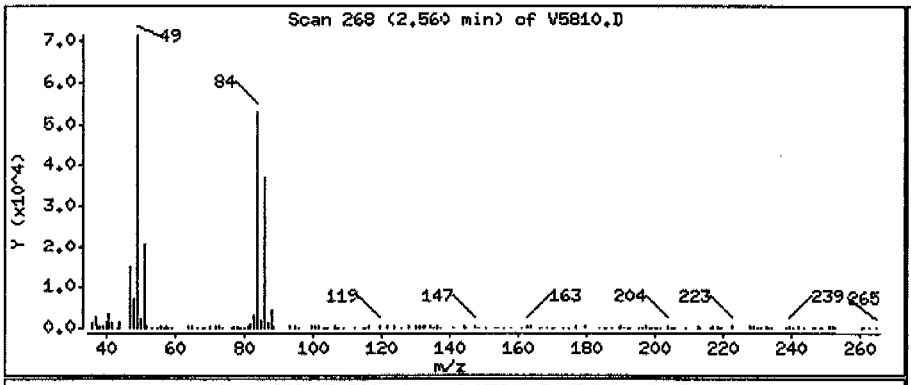
Operator: D. HUMBERT

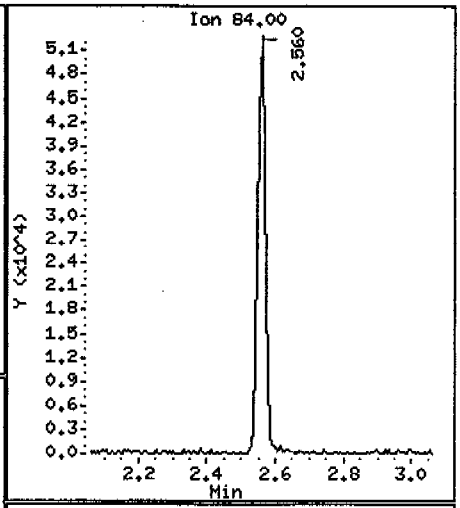
Column phase: RTX-VMS

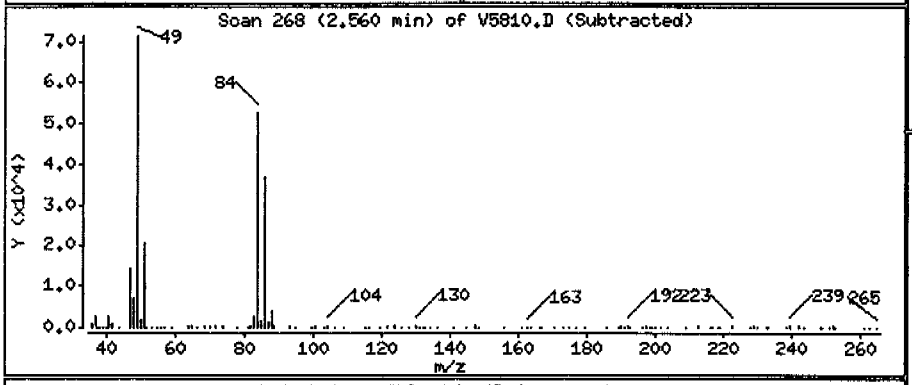
Column diameter: 0.25

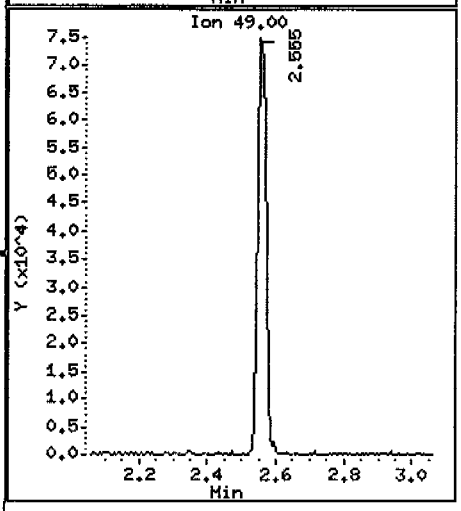
9 Methylene Chloride

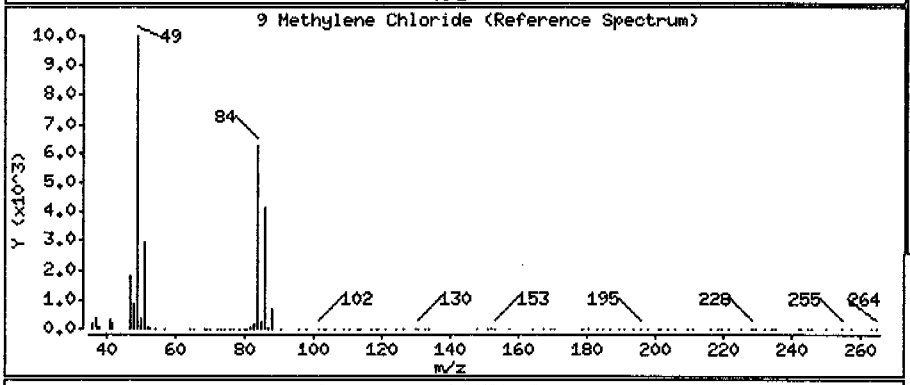
Concentration: 2.3 ug/L

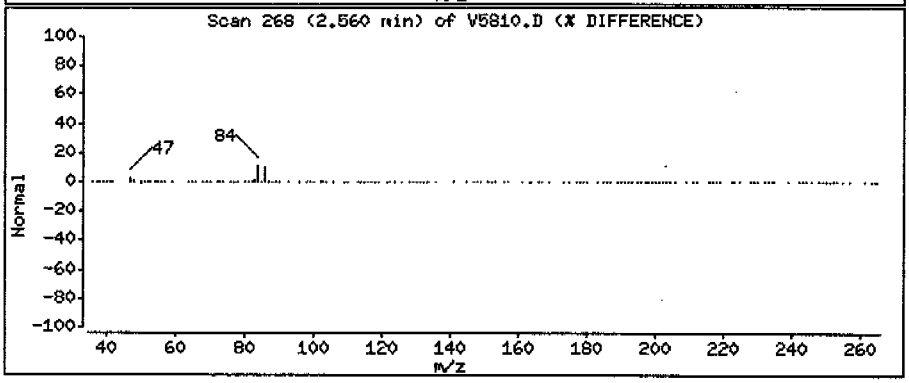












Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055808.b\V5810.D

Date : 08-JUL-2005 11:03

Client ID: MB

Instrument: msv.i

Sample Info: MB

Purge Volume: 25.0

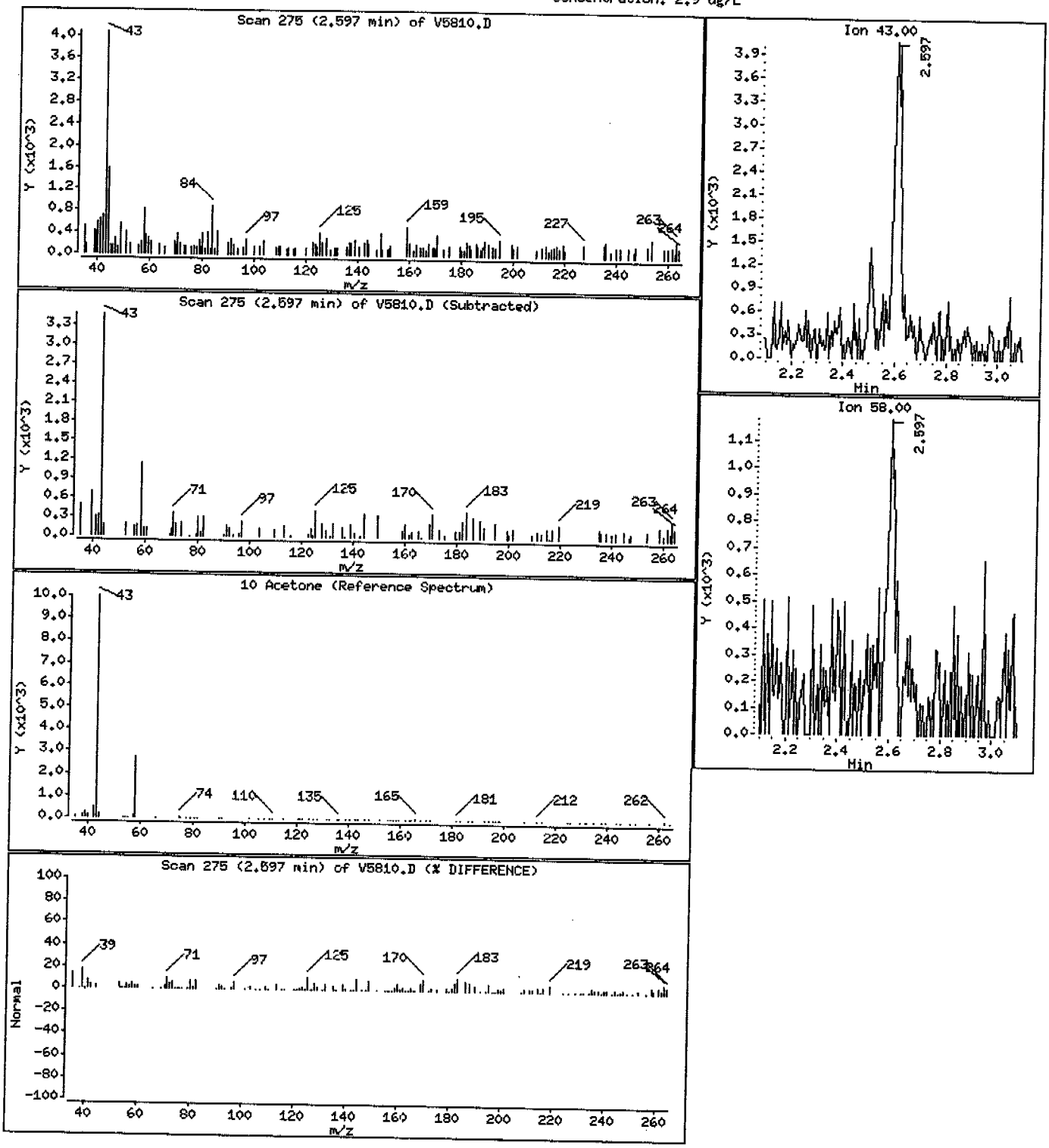
Operator: D. HUMBERT

Column phase: RTX-VMS

Column diameter: 0.25

10 Acetone

Concentration: 2.9 ug/L



QUALITY CONTROL RESULTS

Job Number.: 210038 — Report Date.: 07/14/2005

CUSTOMER: ERM — PROJECT: RAECO PRODUCTS — ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		51315 -001		07/09/2005	1244

Test Method.....: OLC02.1 — Equipment Code....: MSV — Analyst...: pam
Method Description.: CLP Volatile Organics — Batch.....: 51442

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chloromethane	ug/L	0.10	U							
Vinyl chloride	ug/L	0.10	U							
Bromomethane	ug/L	0.10	U							
Chloroethane	ug/L	0.10	U							
1,1-Dichloroethene	ug/L	0.10	U							
Carbon disulfide	ug/L	0.10	U							
Acetone	ug/L	1.02	J							B
Methylene chloride	ug/L	0.41	J							B
trans-1,2-Dichloroethene	ug/L	0.10	U							
1,1-Dichloroethane	ug/L	0.10	U							
cis-1,2-Dichloroethene	ug/L	0.10	U							
2-Butanone (MEK)	ug/L	0.10	U							
Bromochloromethane	ug/L	0.10	U							
Chloroform	ug/L	0.10	U							
1,1,1-Trichloroethane	ug/L	0.10	U							
Carbon tetrachloride	ug/L	0.10	U							
Benzene	ug/L	0.10	U							
1,2-Dichloroethane	ug/L	0.10	U							
Trichloroethene	ug/L	0.10	U							
1,2-Dichloropropane	ug/L	0.10	U							
Bromodichloromethane	ug/L	0.10	U							
cis-1,3-Dichloropropene	ug/L	0.10	U							
4-Methyl-2-pentanone (MIBK)	ug/L	0.10	U							
Toluene	ug/L	0.10	U							
trans-1,3-Dichloropropene	ug/L	0.10	U							
1,1,2-Trichloroethane	ug/L	0.10	U							
Tetrachloroethene	ug/L	0.10	U							
2-Hexanone	ug/L	0.10	U							
Dibromochloromethane	ug/L	0.10	U							
1,2-Dibromoethane (EDB)	ug/L	0.10	U							
Chlorobenzene	ug/L	0.10	U							
Ethylbenzene	ug/L	0.10	U							
Styrene	ug/L	0.10	U							
Bromoform	ug/L	0.10	U							
1,1,2,2-Tetrachloroethane	ug/L	0.10	U							
Xylenes (total)	ug/L	0.10	U							
1,3-Dichlorobenzene	ug/L	0.10	U							
1,4-Dichlorobenzene	ug/L	0.10	U							
1,2-Dichlorobenzene	ug/L	0.10	U							
1,2-Dibromo-3-chloropropane	ug/L	0.10	U							
1,2,4-Trichlorobenzene	ug/L	0.10	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

51315-1MB

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Lab Sample ID: 51315-1MB Date Received: _____

Lab File ID: V5832 Date Analyzed: 07/09/05

Purge Volume: 25 (mL) Dilution Factor: 1.0

GC Column: RTX-VMS ID: 0.25 (mm) Length: 60 (m)

Number TICs found: 2

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.	75-28-5	ISOBUTANE	1.24	0.31	NJ
2.	106-98-9	1-BUTENE	1.32	2.2	NJ
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

STL-CT

Volatile Report OLC 2.1 METHOD

Data file : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055829.b\V5832.D
Lab Smp Id: MB Client Smp ID: MB
Inj Date : 09-JUL-2005 12:44 MS Autotune Date: 10-MAY-2005 11:27
Operator : D. HUMBERT Inst ID: msv.i
Smp Info : MB
Misc Info : : MB ;;; VBLKVX ; OLC ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055829.b\VOLC21W.m
Meth Date : 09-Jul-2005 19:42 larryd Quant Type: ISTD
Cal Date : 09-JUL-2005 10:46 Cal File: V5829.D
Als bottle: 79 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: CONMSLNT

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

DJH 7/9/05

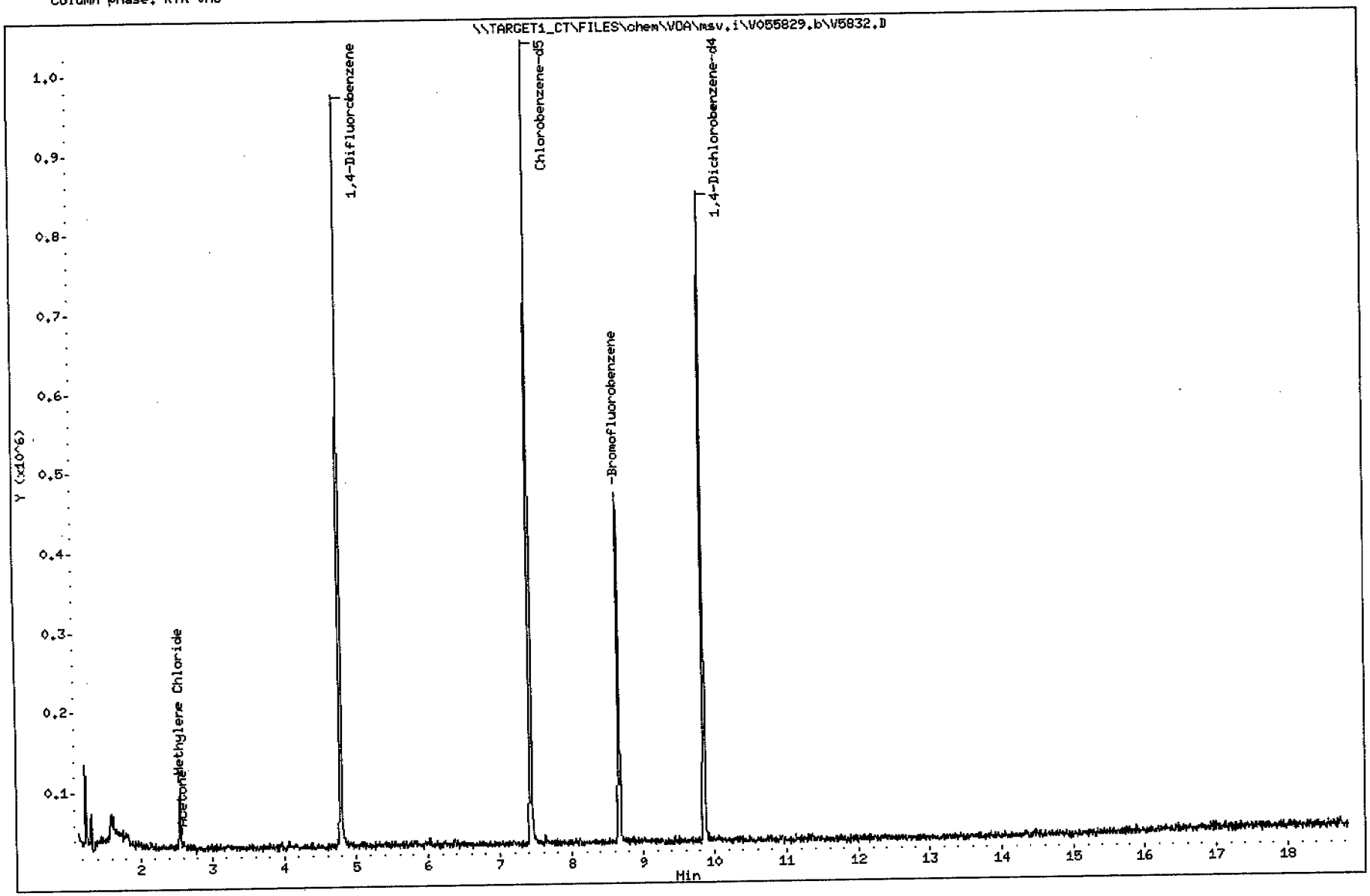
Name	Value	Description
DF	1.000	Dilution Factor
Uf	25.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
*	1 1,4-Difluorobenzene	114	4.796	4.790	(1.000)	605070	5.00000	
	9 Methylene Chloride	84	2.559	2.559	(0.534)	21436	0.40511	0.41
	10 Acetone	43	2.597	2.597	(0.542)	6372	1.02431	1.0
$	21 Bromofluorobenzene	95	8.670	8.670	(1.808)	126560	4.09957	4.1
*	22 Chlorobenzene-d5	117	7.432	7.432	(1.000)	493153	5.00000	
*	45 1,4-Dichlorobenzene-d4	152	9.860	9.866	(1.000)	199890	5.00000	

Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055829.b\V5832.D
Date : 09-JUL-2005 12:44
Client ID: MB
Sample Info: MB
Purge Volume: 25.0
Column phase: RTX-VMS

Instrument: msv.i

Operator: D. HUMBERT
Column diameter: 0.25



Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055829.b\V5832.D

Date : 09-JUL-2005 12:44

Client ID: MB

Instrument: msv.i

Sample Info: MB

Purge Volume: 25.0

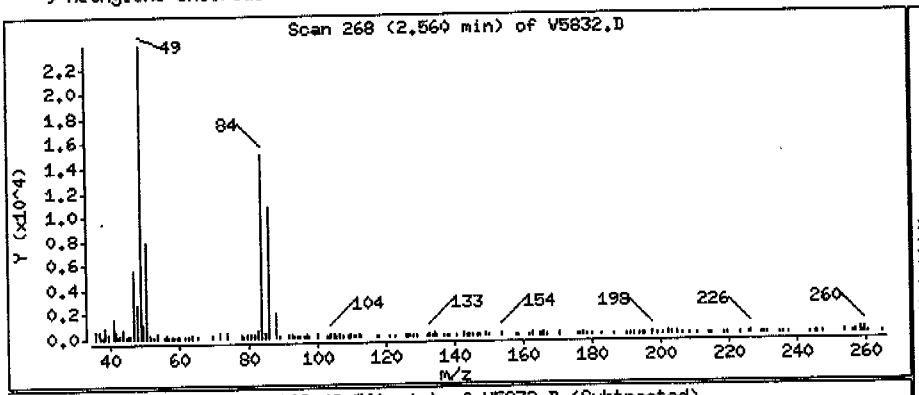
Operator: D. HUMBERT

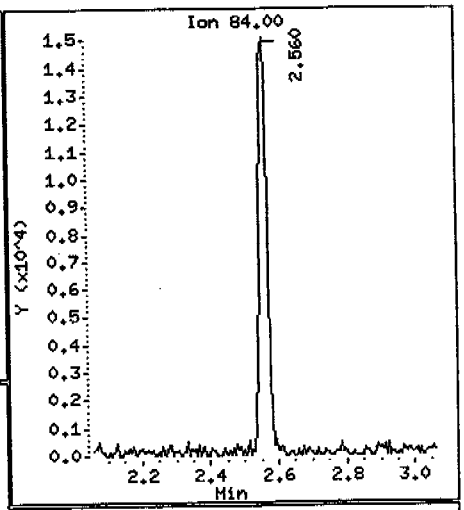
Column phase: RTX-VMS

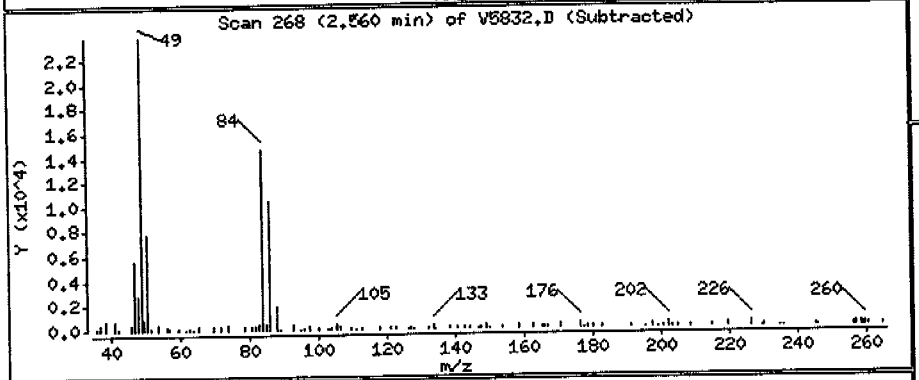
Column diameter: 0.25

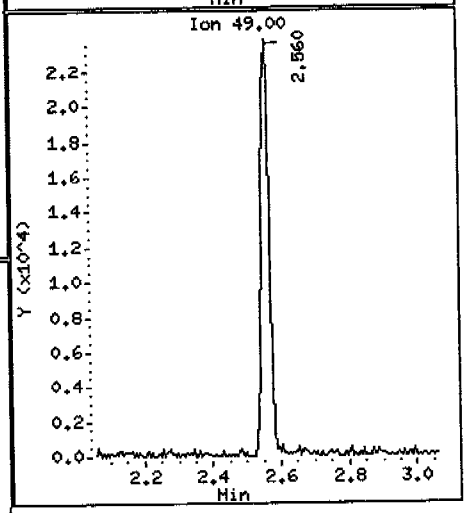
9 Methylene Chloride

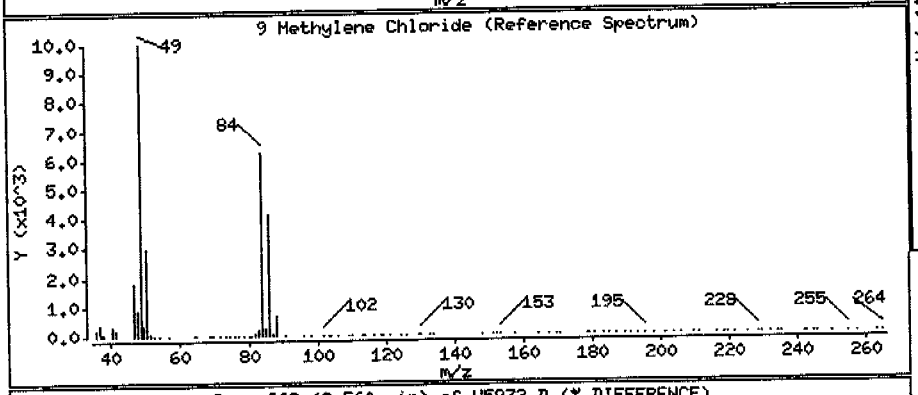
Concentration: 0.41 ug/L

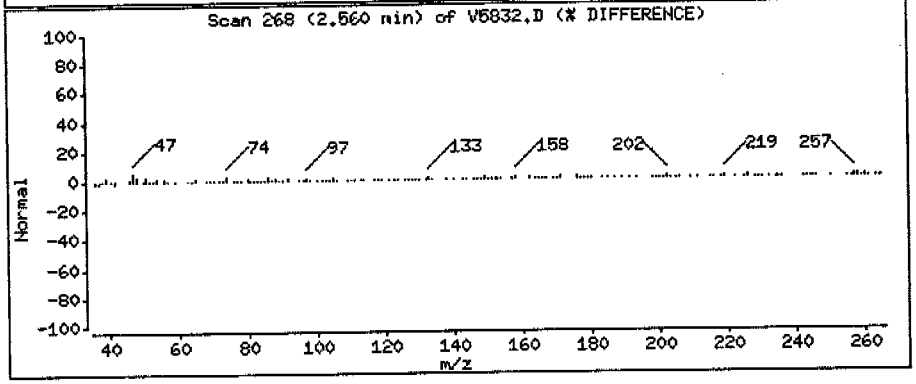












Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055829.b\V5832.D

Date : 09-JUL-2005 12:44

Client ID: MB

Instrument: msv.i

Sample Info: MB

Purge Volume: 25.0

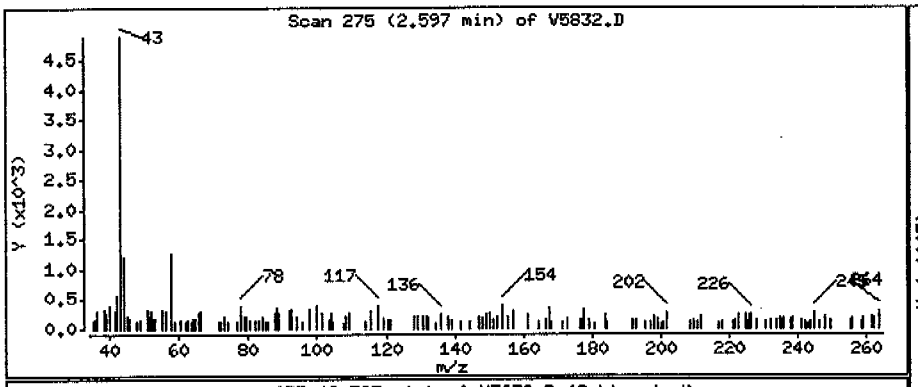
Operator: D. HUMBERT

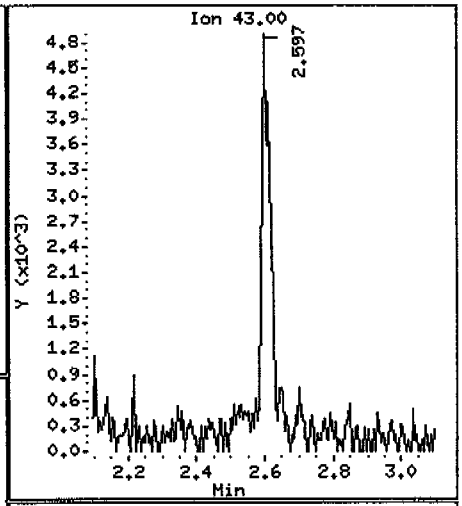
Column phase: RTX-VMS

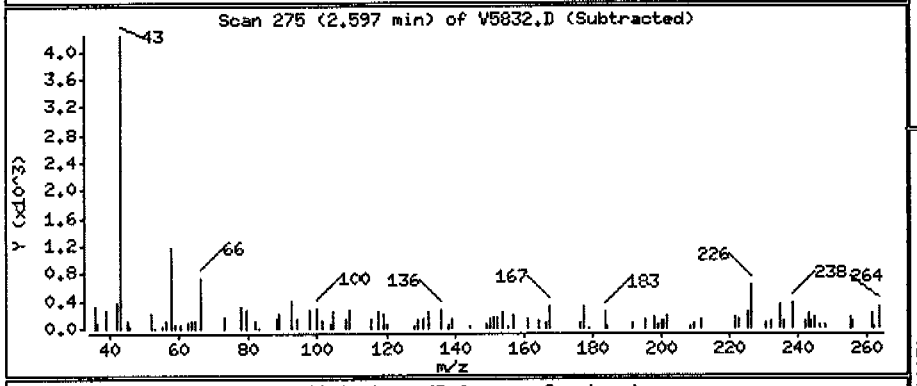
Column diameter: 0.25

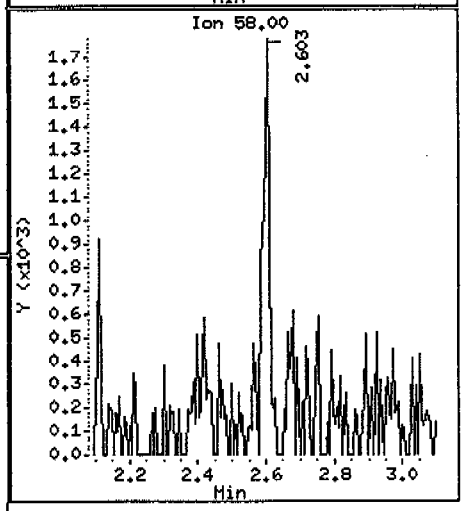
10 Acetone

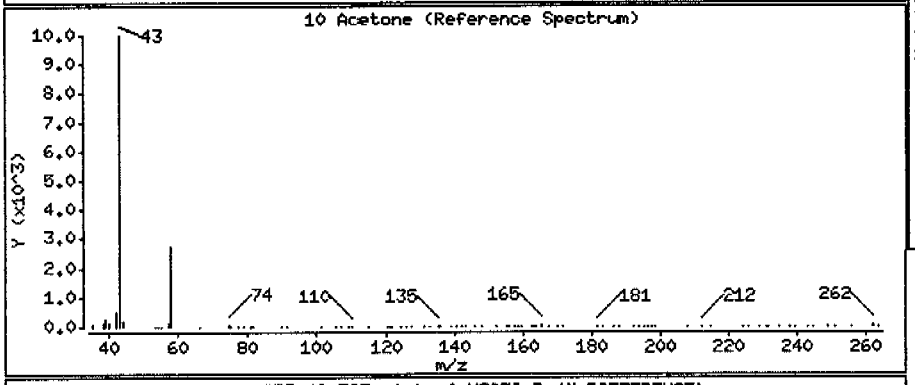
Concentration: 1.0 ug/L

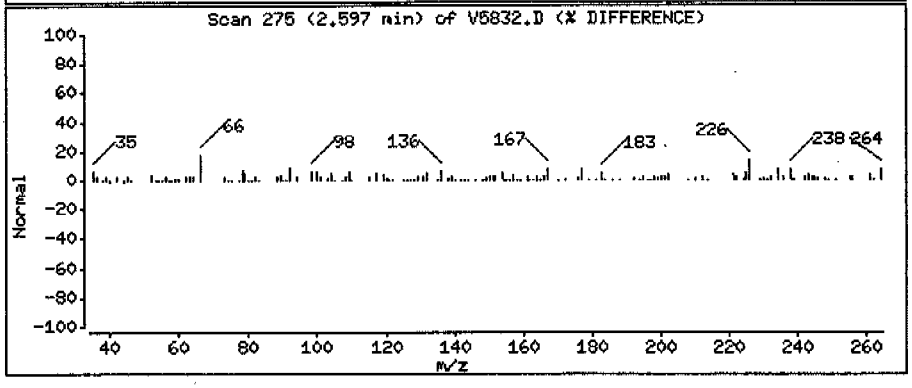












QUALITY CONTROL RESULTS

Job Number.: 210038 Report Date.: 07/14/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V05FWRK012	210038-3		07/08/2005	2017

Test Method.....: OLC02.1 Equipment Code....: MSV Analyst...: pam
Method Description.: CLP Volatile Organics Batch.....: 51442

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride	ug/L	4.95		5.00	0.10 U	99		60-140	
Carbon tetrachloride	ug/L	4.68		5.00	0.10 U	94		60-140	
Benzene	ug/L	4.87		5.00	0.10 U	97		60-140	
1,2-Dichloroethane	ug/L	4.36		5.00	0.10 U	87		60-140	
Trichloroethene	ug/L	4.79		5.00	0.10 U	96		60-140	
1,2-Dichloropropane	ug/L	4.66		5.00	0.10 U	93		60-140	
cis-1,3-Dichloropropene	ug/L	3.20		5.00	0.10 U	64		60-140	
1,1,2-Trichloroethane	ug/L	4.07		5.00	0.10 U	81		60-140	
Tetrachloroethene	ug/L	4.95		5.00	0.10 U	99		60-140	
1,2-Dibromoethane (EDB)	ug/L	4.04		5.00	0.10 U	81		60-140	
Bromoform	ug/L	3.83		5.00	0.10 U	77		60-140	
1,4-Dichlorobenzene	ug/L	4.47		5.00	0.10 U	89		60-140	

Page 19 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

STL-INC

Volatile Report OLC 2.1 METHOD

Data file : \\target1_ct\Files\chem\VOA\msv.i\V055808.b\V5826.D
Lab Smp Id: 210038-3MS Client Smp ID: SW-01MS
Inj Date : 08-JUL-2005 20:17 MS Autotune Date: 10-MAY-2005 11:27
Operator : D. HUMBERT Inst ID: msv.i
Smp Info : 210038-3MS
Misc Info : : MS ;;; SW-01 ; OLC ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055808.b\VOLC21W.m
Meth Date : 14-Jul-2005 07:46 pattym Quant Type: ISTD
Cal Date : 08-JUL-2005 09:29 Cal File: V5808.D
Als bottle: 76
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

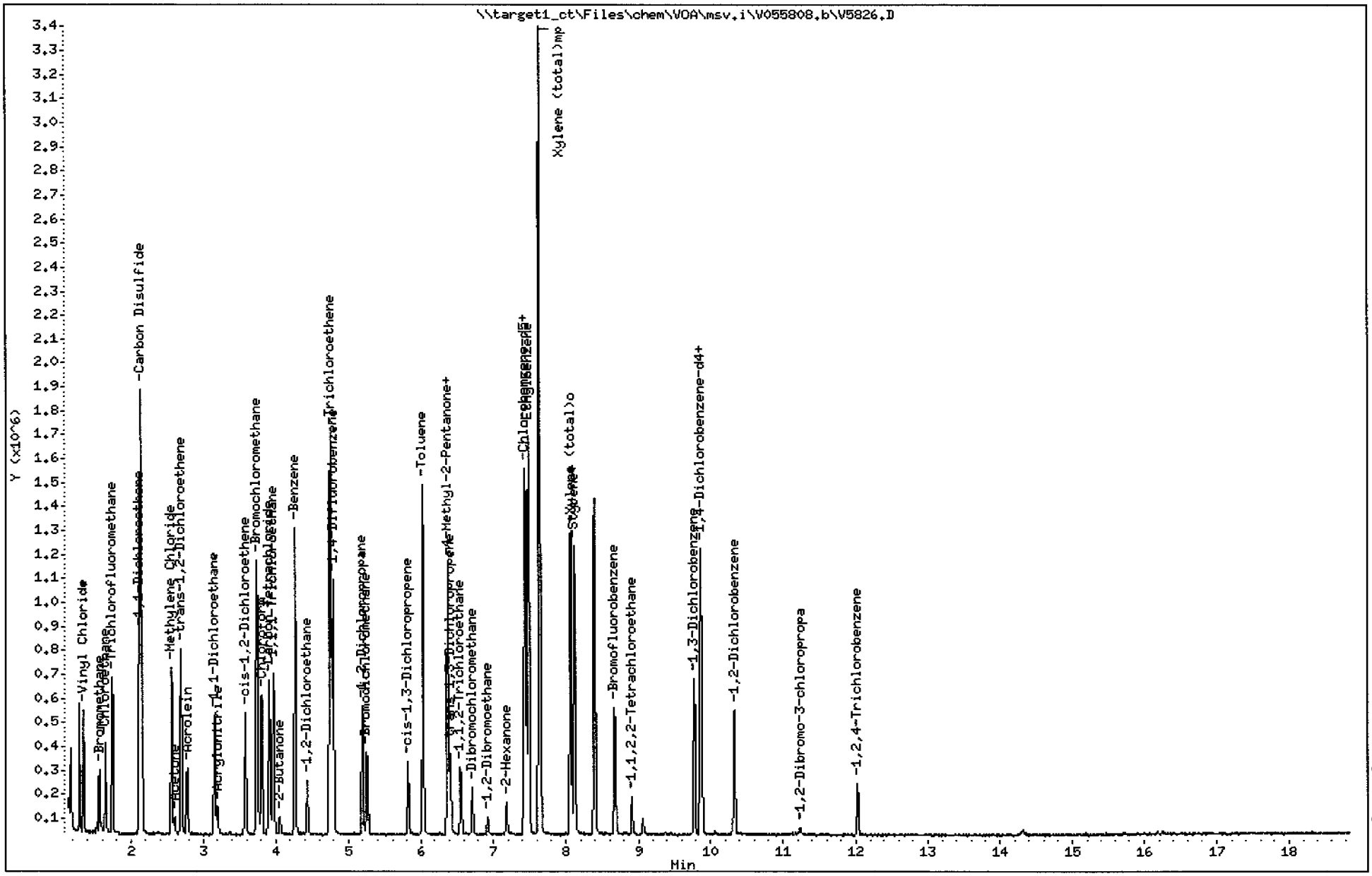
Name	Value	Description
DF	1.000	Dilution Factor
Uf	25.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	1 1,4-Difluorobenzene	114	4.790	4.790	(1.000)	701566	5.00000	
	2 Chloromethane	50	1.289	1.295	(0.269)	301001	5.07438	5.1
	3 Vinyl Chloride	62	1.348	1.348	(0.281)	297197	4.94994	4.9
	4 Bromomethane	94	1.562	1.561	(0.326)	97079	4.69182	4.7
	5 Chloroethane	64	1.647	1.652	(0.344)	203125	4.76058	4.8
	6 Trichlorofluoromethane	101	1.743	1.743	(0.364)	345903	4.83740	4.8
	7 1,1-Dichloroethene	96	2.111	2.116	(0.441)	205397	5.16263	5.2
	8 Carbon Disulfide	76	2.133	2.132	(0.445)	1414512	4.88872	4.9
	9 Methylene Chloride	84	2.554	2.559	(0.533)	202649	4.94097	4.9
	10 Acetone	43	2.597	2.597	(0.542)	65354	24.6373	25
	11 trans-1,2-Dichloroethene	96	2.682	2.687	(0.560)	225084	5.49368	5.5
	12 Acrolein	56	2.768	2.773	(0.578)	21675	23.6080	24
	13 Acrylonitrile	53	3.205	3.205	(0.669)	71612	24.2974	24
	14 1,1-Dichloroethane	63	3.157	3.162	(0.659)	380897	4.84964	4.8
	16 cis-1,2-Dichloroethene	96	3.584	3.589	(0.748)	172512	5.37305	5.4
	17 Bromochloromethane	128	3.739	3.744	(0.781)	52480	4.06571	4.1
	18 Chloroform	83	3.808	3.808	(0.795)	336591	4.56929	4.6
	19 2-Butanone	43	4.054	4.059	(0.846)	75187	21.8390	22
	20 1,2-Dichloroethane	62	4.433	4.438	(0.925)	140664	4.35670	4.4
$	21 Bromofluorobenzene	95	8.670	8.670	(1.810)	151231	4.91591	4.9
*	22 Chlorobenzene-d5	117	7.432	7.432	(1.000)	478837	5.00000	
	23 1,1,1-Trichloroethane	97	3.963	3.968	(0.533)	352920	4.74575	4.7
	24 Carbon Tetrachloride	117	3.910	3.915	(0.526)	312257	4.67798	4.7

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	25	Benzene	78	4.267	4.273	(0.574)	804167	4.87244	4.9
	26	Trichloroethene	130	4.758	4.758	(0.640)	269623	4.79258	4.8
	27	1,2-Dichloropropane	63	5.196	5.196	(0.699)	144731	4.66493	4.7
	28	Bromodichloromethane	83	5.255	5.254	(0.707)	176559	4.25995	4.3
	30	cis-1,3-Dichloropropene	75	5.815	5.815	(0.782)	122227	3.19728	3.2
	31	trans-1,3-Dichloropropene	75	6.413	6.413	(0.863)	120939	4.10144	4.1
	32	1,1,2-Trichloroethane	97	6.557	6.557	(0.882)	73199	4.07294	4.1
	33	Dibromochloromethane	129	6.722	6.722	(0.905)	89507	4.21568	4.2
	34	Toluene	91	6.029	6.028	(0.811)	866052	4.85814	4.9
	35	4-Methyl-2-Pentanone	43	6.386	6.386	(0.859)	166521	21.0114	21
	36	Tetrachloroethene	164	6.375	6.375	(0.858)	195114	4.95089	5.0
	37	1,2-Dibromoethane	107	6.925	6.930	(0.932)	40849	4.03804	4.0
	38	2-Hexanone	43	7.181	7.181	(0.966)	75088	22.9240	23
	39	Chlorobenzene	112	7.448	7.448	(1.002)	524779	4.58936	4.6
	40	Ethylbenzene	106	7.491	7.491	(1.008)	347436	4.77527	4.8
	41	Xylene (total)mp	106	7.635	7.640	(1.027)	928396	9.70999	9.7
	42	Xylene (total)o	106	8.067	8.067	(1.085)	330370	5.09606	5.1
	43	Styrene	104	8.121	8.120	(1.093)	497537	4.28811	4.3
	44	1,1,2,2-Tetrachloroethane	83	8.905	8.900	(1.198)	64682	3.92544	3.9
*	45	1,4-Dichlorobenzene-d4	152	9.866	9.866	(1.000)	209623	5.00000	
	46	Bromoform	173	8.126	8.126	(0.824)	47248	3.82587	3.8
	47	1,3-Dichlorobenzene	146	9.780	9.780	(0.991)	260560	4.88238	4.9
	48	1,4-Dichlorobenzene	146	9.876	9.876	(1.001)	293311	4.47316	4.5
	49	1,2-Dichlorobenzene	146	10.330	10.335	(1.047)	205201	4.77827	4.8
	50	1,2-Dibromo-3-chloropropane	75	11.237	11.243	(1.139)	5716	5.29910	5.3
	51	1,2,4-Trichlorobenzene	180	12.022	12.027	(1.219)	62873	4.69694	4.7
M	52	1,2-Dichloroethene (total)	100				397596	10.8667	11
M	53	Xylene (total)	100				1258766	14.8060	15

Data File: \\target1_ct\Files\chem\VOA\msv.i\V055808.b\V5826.D
Date : 08-JUL-2005 20:17
Client ID: SW-01MS
Sample Info: 210038-3MS
Purge Volume: 25.0
Column phase: RTX-VMS

Instrument: msv.i
Operator: D. HUMBERT
Column diameter: 0.25



QUALITY CONTROL RESULTS

Job Number.: 210038 Report Date.: 07/14/2005

CUSTOMER: ERM PROJECT: RASCO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V05FWRK012	210038-3		07/08/2005	2043

Test Method.....: OLC02.1 Equipment Code....: MSV Analyst...: pam
Method Description.: CLP Volatile Organics Batch.....: 51442

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Vinyl chloride	ug/L	5.37	4.95	5.00	0.10	U	107 8		60-140 20	
Carbon tetrachloride	ug/L	4.83	4.68	5.00	0.10	U	97 3		60-140 20	
Benzene	ug/L	5.03	4.87	5.00	0.10	U	101 3		60-140 20	
1,2-Dichloroethane	ug/L	4.79	4.36	5.00	0.10	U	96 10		60-140 20	
Trichloroethene	ug/L	4.88	4.79	5.00	0.10	U	98 2		60-140 20	
1,2-Dichloropropane	ug/L	4.92	4.66	5.00	0.10	U	98 5		60-140 20	
cis-1,3-Dichloropropene	ug/L	3.45	3.20	5.00	0.10	U	69 8		60-140 20	
1,1,2-Trichloroethane	ug/L	4.44	4.07	5.00	0.10	U	89 9		60-140 20	
Tetrachloroethene	ug/L	5.08	4.95	5.00	0.10	U	102 3		60-140 20	
1,2-Dibromoethane (EDB)	ug/L	4.32	4.04	5.00	0.10	U	86 7		60-140 20	
Bromoform	ug/L	3.91	3.83	5.00	0.10	U	78 2		60-140 20	
1,4-Dichlorobenzene	ug/L	4.78	4.47	5.00	0.10	U	96 7		60-140 20	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

STL-INC

Volatile Report OLC 2.1 METHOD

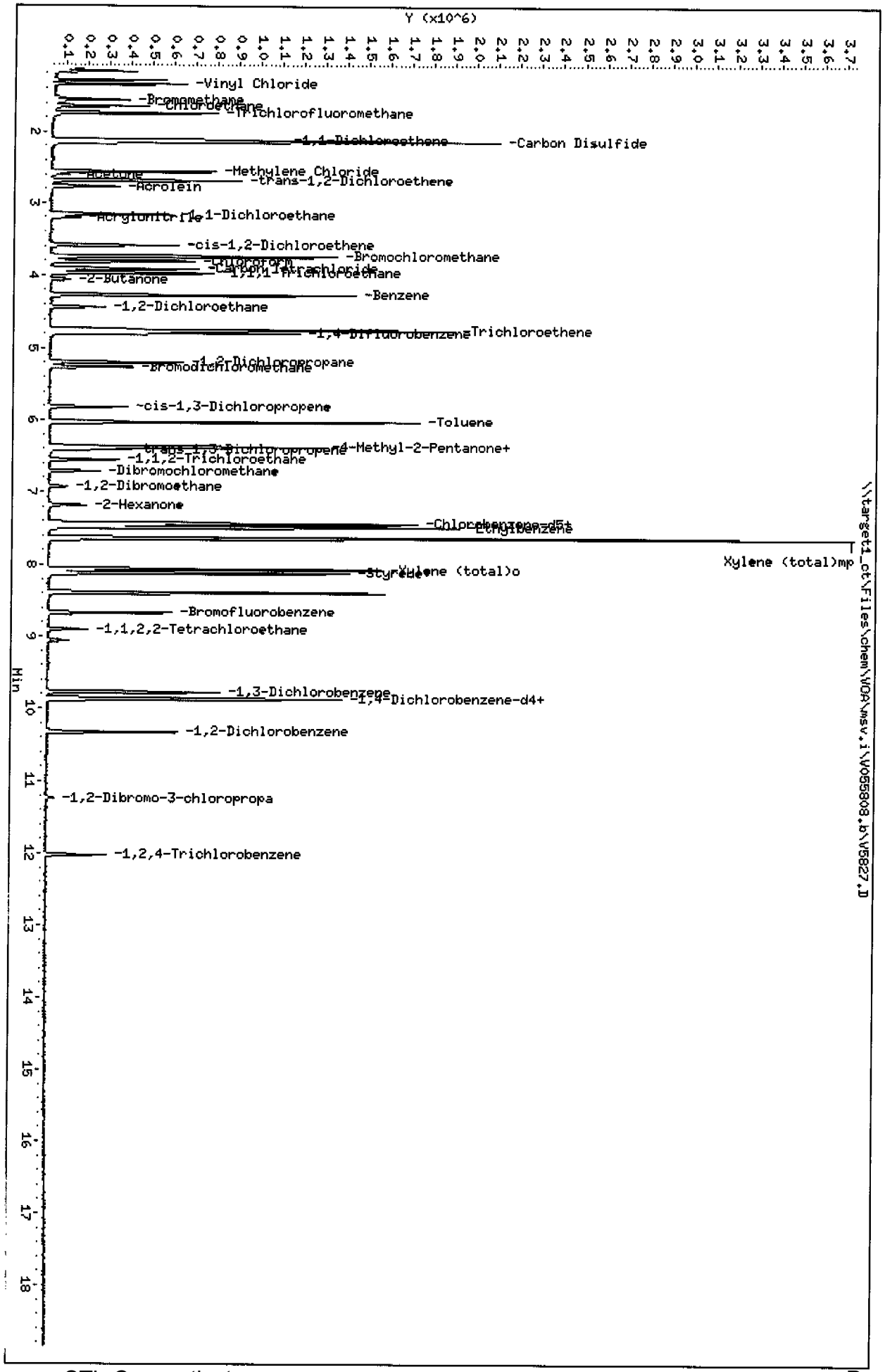
Data file : \\target1_ct\Files\chem\VOA\msv.i\V055808.b\V5827.D
Lab Smp Id: 210038-3MSD Client Smp ID: SW-01MSD
Inj Date : 08-JUL-2005 20:43 MS Autotune Date: 10-MAY-2005 11:27
Operator : D. HUMBERT Inst ID: msv.i
Smp Info : 210038-3MSD
Misc Info : : MSD;;; SW-01 ; OLC ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055808.b\VOLC21W.m
Meth Date : 14-Jul-2005 07:46 pattym Quant Type: ISTD
Cal Date : 08-JUL-2005 09:29 Cal File: V5808.D
Als bottle: 77
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	25.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 1	1,4-Difluorobenzene	114	4.790	4.790	(1.000)	735605	5.00000	
2	Chloromethane	50	1.289	1.295	(0.269)	323935	5.20831	5.2
3	Vinyl Chloride	62	1.348	1.348	(0.281)	337865	5.36689	5.4
4	Bromomethane	94	1.561	1.561	(0.326)	130000	5.99216	6.0
5	Chloroethane	64	1.647	1.652	(0.344)	227227	5.07902	5.1
6	Trichlorofluoromethane	101	1.743	1.743	(0.364)	390734	5.21150	5.2
7	1,1-Dichloroethene	96	2.116	2.116	(0.442)	238935	5.72770	5.7
8	Carbon Disulfide	76	2.132	2.132	(0.445)	1563880	5.15485	5.2
9	Methylene Chloride	84	2.554	2.559	(0.533)	230359	5.35669	5.4
10	Acetone	43	2.597	2.597	(0.542)	73088	26.2779	26
11	trans-1,2-Dichloroethene	96	2.682	2.687	(0.560)	247453	5.76017	5.8
12	Acrolein	56	2.773	2.773	(0.579)	25967	26.9740	27
13	Acrylonitrile	53	3.205	3.205	(0.669)	87345	28.2642	28
14	1,1-Dichloroethane	63	3.162	3.162	(0.660)	433326	5.26187	5.3
16	cis-1,2-Dichloroethene	96	3.589	3.589	(0.749)	206828	6.14377	6.1
17	Bromochloromethane	128	3.739	3.744	(0.781)	61642	4.55452	4.6
18	Chloroform	83	3.808	3.808	(0.795)	377995	4.89391	4.9
19	2-Butanone	43	4.059	4.059	(0.847)	93932	26.0212	26
20	1,2-Dichloroethane	62	4.438	4.438	(0.926)	162298	4.79415	4.8
$ 21	Bromofluorobenzene	95	8.670	8.670	(1.810)	166577	5.16418	5.2
* 22	Chlorobenzene-d5	117	7.432	7.432	(1.000)	527366	5.00000	
23	1,1,1-Trichloroethane	97	3.968	3.968	(0.534)	391818	4.78397	4.8
24	Carbon Tetrachloride	117	3.910	3.915	(0.526)	355331	4.83342	4.8

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	25	Benzene	78	4.267	4.273	(0.574)	914254	5.02971	5.0
	26	Trichloroethene	130	4.758	4.758	(0.640)	302646	4.88453	4.9
	27	1,2-Dichloropropane	63	5.196	5.196	(0.699)	168077	4.91890	4.9
	28	Bromodichloromethane	83	5.260	5.254	(0.708)	199797	4.37702	4.4
	30	cis-1,3-Dichloropropene	75	5.820	5.815	(0.783)	145426	3.45407	3.5
	31	trans-1,3-Dichloropropene	75	6.418	6.413	(0.864)	138295	4.25846	4.3
	32	1,1,2-Trichloroethane	97	6.557	6.557	(0.882)	87915	4.44162	4.4
	33	Dibromochloromethane	129	6.717	6.722	(0.904)	105189	4.49838	4.5
	34	Toluene	91	6.028	6.028	(0.811)	996303	5.07449	5.1
	35	4-Methyl-2-Pentanone	43	6.386	6.386	(0.859)	217131	24.8762	25
	36	Tetrachloroethene	164	6.375	6.375	(0.858)	220347	5.07665	5.1
	37	1,2-Dibromoethane	107	6.930	6.930	(0.933)	48133	4.32024	4.3
	38	2-Hexanone	43	7.186	7.181	(0.967)	104647	29.0084	29
	39	Chlorobenzene	112	7.448	7.448	(1.002)	589956	4.68458	4.7
	40	Ethylbenzene	106	7.491	7.491	(1.008)	387313	4.83349	4.8
	41	Xylene (total)mp	106	7.640	7.640	(1.028)	1029158	9.77334	9.8
	42	Xylene (total)o	106	8.067	8.067	(1.085)	397208	5.56323	5.6
	43	Styrene	104	8.120	8.120	(1.093)	577329	4.51793	4.5
	44	1,1,2,2-Tetrachloroethane	83	8.905	8.900	(1.198)	75317	4.15025	4.2
*	45	1,4-Dichlorobenzene-d4	152	9.860	9.866	(1.000)	237681	5.00000	
	46	Bromoform	173	8.126	8.126	(0.824)	54775	3.91177	3.9
	47	1,3-Dichlorobenzene	146	9.780	9.780	(0.992)	313798	5.18583	5.2
	48	1,4-Dichlorobenzene	146	9.876	9.876	(1.002)	355268	4.77844	4.8
	49	1,2-Dichlorobenzene	146	10.335	10.335	(1.048)	239748	4.92369	4.9
	50	1,2-Dibromo-3-chloropropane	75	11.237	11.243	(1.140)	6847	5.59828	5.6
	51	1,2,4-Trichlorobenzene	180	12.022	12.027	(1.219)	80674	5.31531	5.3
M	52	1,2-Dichloroethene (total)	100				454281	11.9039	12
M	53	Xylene (total)	100				1426366	15.3366	15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Date : 08-JUL-2005 20:43
Client ID: SW-01MSD
Sample Info: 210038-3MSD
Purge Volume: 25.0
Column phase: RTX-VMS
Instrument: msv.i
Operator: D. HUMBERT
Column diameter: 0.25
Page 3
Y (x10^6)
Min
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-1,1-Dichloroethene
-Carbon Disulfide
-Acetone
-Methylene Chloride
-trans-1,2-Dichloroethene
-Acrolein
-Acrylonitrile
-1,1-Dichloroethane
-cis-1,2-Dichloroethene
-Chloroform
-Bromochloromethane
-Carbon Tetrachloride
-1,1,1-Trichloroethane
-2-Butanone
-Benzene
-1,2-Dichloroethane
-1,4-Difluorobenzene
Trichloroethene
-1,2-Dichloropropane
-Bromodichloromethane
-cis-1,3-Dichloropropene
-Toluene
-trans-1,3-Dichloropropene
-4-Methyl-2-Pentanone+
-1,1,2-Trichloroethane
-Dibromochloromethane
-1,2-Dibromoethane
-2-Hexanone
-Chlorobenzene-d5
Ethylbenzene
Xylene (total)mp
Xylene (total)o
-Styrene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\target1_ct\Files\chem\VOA\msv.i\V055808.b\V5827.D

QUALITY CONTROL RESULTS

Job Number.: 210038 — Report Date.: 07/14/2005

CUSTOMER: ERM — PROJECT: RABCO PRODUCTS — ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSB	Matrix Spike Blank	V05FWRK012	210038-3		07/09/2005	1327

Test Method.....: OLC02.1 — Equipment Code....: MSV — Analyst...: pam
Method Description.: CLP Volatile Organics — Batch.....: 51442

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride	ug/L	4.82		5.00	0.10	U 96		60-140	
Carbon tetrachloride	ug/L	4.80		5.00	0.10	U 96		60-140	
Benzene	ug/L	4.84		5.00	0.10	U 97		60-140	
1,2-Dichloroethane	ug/L	5.24		5.00	0.10	U 105		60-140	
Trichloroethene	ug/L	4.58		5.00	0.10	U 92		60-140	
1,2-Dichloropropane	ug/L	5.03		5.00	0.10	U 101		60-140	
cis-1,3-Dichloropropene	ug/L	5.04		5.00	0.10	U 101		60-140	
1,1,2-Trichloroethane	ug/L	4.80		5.00	0.10	U 96		60-140	
Tetrachloroethene	ug/L	4.66		5.00	0.10	U 93		60-140	
1,2-Dibromoethane (EDB)	ug/L	5.26		5.00	0.10	U 105		60-140	
Bromoform	ug/L	5.10		5.00	0.10	U 102		60-140	
1,4-Dichlorobenzene	ug/L	4.88		5.00	0.10	U 98		60-140	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

STL-INC

Volatile Report OLC 2.1 METHOD

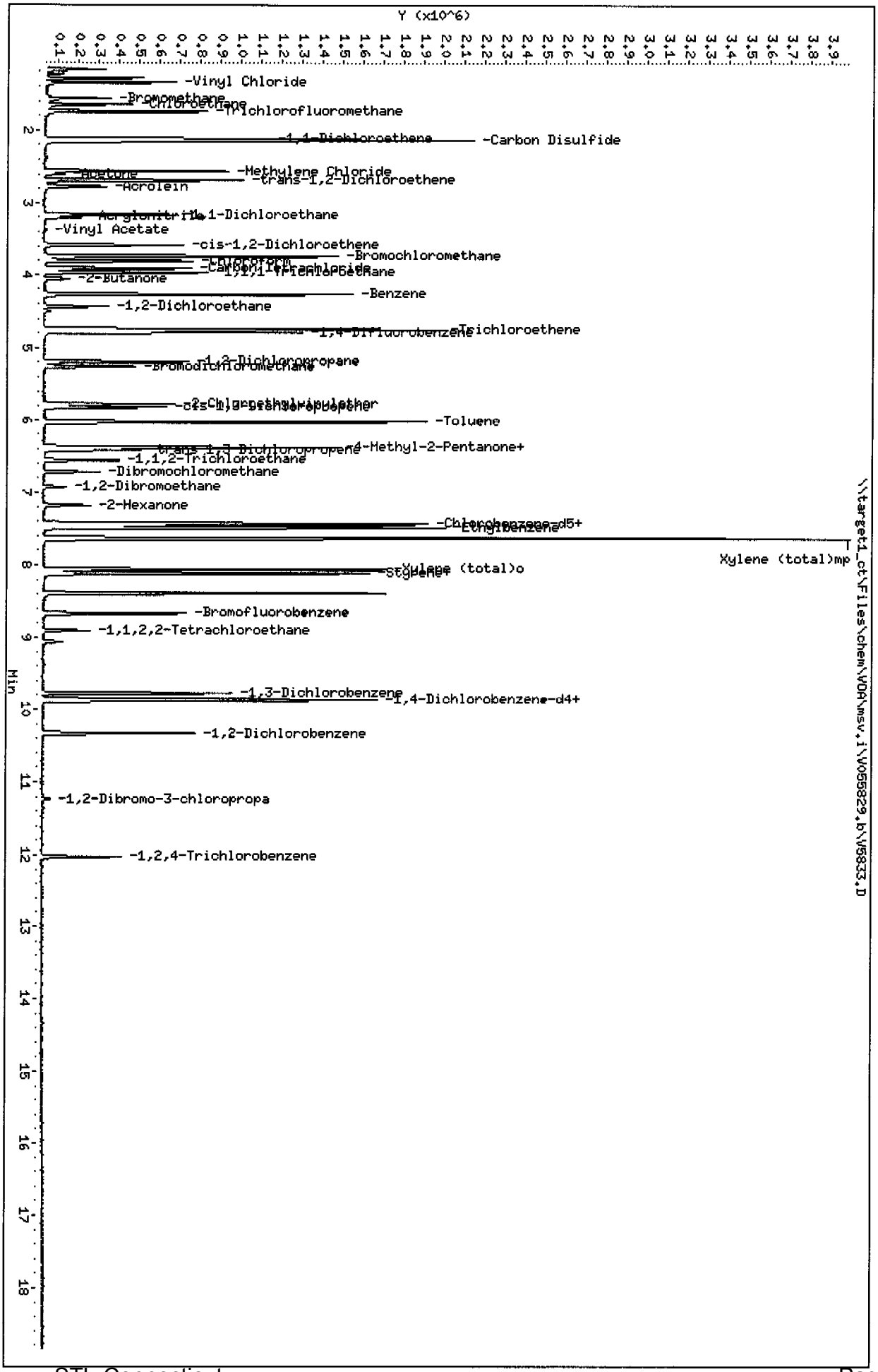
Data file : \\target1_ct\Files\chem\VOA\msv.i\V055829.b\V5833.D
Lab Smp Id: 210038-3MSB Client Smp ID: SW-01
Inj Date : 09-JUL-2005 13:27 MS Autotune Date: 10-MAY-2005 11:27
Operator : D. HUMBERT Inst ID: msv.i
Smp Info : 210038-3MSB
Misc Info : : MSB;;; SW-01 ; OLC ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055829.b\VOLC21W.m
Meth Date : 19-Jul-2005 10:06 pattym Quant Type: ISTD
Cal Date : 09-JUL-2005 10:46 Cal File: V5829.D
Als bottle: 79 QC Sample: BS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	25.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	1	1,4-Difluorobenzene	114	4.790	4.790	(1.000)	809703	5.00000	
	2	Chloromethane	50	1.295	1.295	(0.270)	335513	4.95636	5.0
	3	Vinyl Chloride	62	1.348	1.348	(0.281)	360302	4.81981	4.8
	4	Bromomethane	94	1.562	1.561	(0.326)	122235	4.51494	4.5
	5	Chloroethane	64	1.647	1.647	(0.344)	236701	4.88413	4.9
	6	Trichlorofluoromethane	101	1.743	1.743	(0.364)	412160	4.83485	4.8
	7	1,1-Dichloroethene	96	2.117	2.116	(0.442)	255412	4.90356	4.9
	8	Carbon Disulfide	76	2.133	2.132	(0.445)	1622629	4.92852	4.9
	9	Methylene Chloride	84	2.560	2.559	(0.534)	278586	3.93432	3.9
	10	Acetone	43	2.602	2.597	(0.543)	92471	11.1081	11
	11	trans-1,2-Dichloroethene	96	2.682	2.688	(0.560)	266105	4.62890	4.6
	12	Acrolein	56	2.768	2.773	(0.578)	21539	20.5395	21
	13	Acrylonitrile	53	3.200	3.205	(0.668)	111554	26.3274	26
	14	1,1-Dichloroethane	63	3.163	3.163	(0.660)	479648	4.98391	5.0
	15	Vinyl Acetate	43	3.376	3.371	(0.705)	13650	4.84492	4.8
	16	cis-1,2-Dichloroethene	96	3.590	3.589	(0.749)	241262	4.99177	5.0
	17	Bromochloromethane	128	3.744	3.744	(0.782)	72297	4.84404	4.8
	18	Chloroform	83	3.808	3.808	(0.795)	418429	4.82894	4.8
	19	2-Butanone	43	4.059	4.059	(0.847)	129545	25.6076	26
	20	1,2-Dichloroethane	62	4.438	4.438	(0.926)	199070	5.24188	5.2
$	21	Bromofluorobenzene	95	8.670	8.670	(1.810)	201244	4.87130	4.9
*	22	Chlorobenzene-d5	117	7.432	7.432	(1.000)	607426	5.00000	
	23	1,1,1-Trichloroethane	97	3.969	3.968	(0.534)	419653	4.76022	4.8

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
24	Carbon Tetrachloride	117	3.915	3.915	(0.527)	379848	4.80103	4.8
25	Benzene	78	4.267	4.267	(0.574)	1005449	4.83841	4.8
26	Trichloroethene	130	4.758	4.758	(0.640)	314583	4.58271	4.6
27	1,2-Dichloropropane	63	5.196	5.196	(0.699)	205471	5.02591	5.0
28	Bromodichloromethane	83	5.255	5.260	(0.707)	232709	4.97674	5.0
29	2-Chloroethylvinylether	63	5.772	5.778	(0.777)	193012	26.8330	27
30	cis-1,3-Dichloropropene	75	5.815	5.815	(0.782)	249172	5.04094	5.0
31	trans-1,3-Dichloropropene	75	6.413	6.413	(0.863)	176967	5.14526	5.1
32	1,1,2-Trichloroethane	97	6.562	6.557	(0.883)	99583	4.79889	4.8
33	Dibromochloromethane	129	6.717	6.722	(0.904)	127638	5.02340	5.0
34	Toluene	91	6.029	6.028	(0.811)	1102585	4.83227	4.8
35	4-Methyl-2-Pentanone	43	6.386	6.386	(0.859)	279397	24.8788	25
36	Tetrachloroethene	164	6.375	6.375	(0.858)	238909	4.66278	4.7
37	1,2-Dibromoethane	107	6.936	6.930	(0.933)	66183	5.26276	5.3
38	2-Hexanone	43	7.187	7.187	(0.967)	138940	24.2329	24
39	Chlorobenzene	112	7.448	7.448	(1.002)	678047	4.83973	4.8
40	Ethylbenzene	106	7.486	7.491	(1.007)	416532	4.84069	4.8
41	Xylene (total)mp	106	7.640	7.640	(1.028)	1070530	9.51436	9.5
42	Xylene (total)o	106	8.067	8.067	(1.085)	431928	4.88080	4.9
43	Styrene	104	8.121	8.121	(1.093)	663494	4.86396	4.9
44	1,1,2,2-Tetrachloroethane	83	8.905	8.905	(1.198)	92967	4.87690	4.9
* 45	1,4-Dichlorobenzene-d4	152	9.860	9.866	(1.000)	297912	5.00000	
46	Bromoform	173	8.126	8.126	(0.824)	66557	5.10359	5.1
47	1,3-Dichlorobenzene	146	9.775	9.780	(0.991)	377362	4.73873	4.7
48	1,4-Dichlorobenzene	146	9.877	9.876	(1.002)	423702	4.88097	4.9
49	1,2-Dichlorobenzene	146	10.335	10.335	(1.048)	302449	4.73044	4.7
50	1,2-Dibromo-3-chloropropane	75	11.237	11.237	(1.140)	9279	5.28667	5.3
51	1,2,4-Trichlorobenzene	180	12.027	12.027	(1.220)	120887	4.19673	4.2
M 52	1,2-Dichloroethene (total)	100				507367	9.62067	9.6
M 53	Xylene (total)	100				1502458	14.3952	14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Date : 09-JUL-2005 13:27
Client ID: SW-01
Sample Info: 210038-3MSB
Purge Volume: 25.0
Column phase: RTX-VMS
Instrument: msv.i
Operator: D. HUMBERT
Column diameter: 0.25
Page 3
Y (x10^6)
Min
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-1,1-Dichloroethene
-Carbon Disulfide
-Acetone
-Methylene Chloride
-trans-1,2-Dichloroethene
-Acrolein
-Acrylonitrile
-1,1-Dichloroethane
-Vinyl Acetate
-cis-1,2-Dichloroethene
-Bromochloromethane
-Chloroform
-Carbon Tetrachloride
-1,1,1-Trichloroethane
-2-Butanone
-Benzene
-1,2-Dichloroethane
-1,4-Difluorobenzene
-Trichloroethene
-1,2-Dichloropropane
-Bromodichloromethane
-2-Chloroethylvinylether
-cis-1,3-Dichloropropene
-Toluene
-trans-1,3-Dichloropropene
-4-Methyl-2-Pentanone+
-1,1,2-Trichloroethane
-Dibromochloromethane
-1,2-Dibromoethane
-2-Hexanone
-Chlorobenzene-d5+
-Ethylbenzene
-Xylene (total)mp
-Xylene (total)o
-Styrene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\target1_ct\Files\chem\VOA\msv.i\V055829.b\V5833.D

QUALITY CONTROL RESULTS

Job Number.: 210038 Report Date.: 07/14/2005

CUSTOMER: ERM PROJECT: RABCO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05FWRK012	51301 -002		07/07/2005	2208

Test Method.....: OLC02.1 Equipment Code....: MSV Analyst...: pam
Method Description..: CLP Volatile Organics Batch.....: 51441

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride	ug/L	4.16		5.00		83	%	60-140	
Carbon tetrachloride	ug/L	4.26		5.00		85	%	60-140	
Benzene	ug/L	4.32		5.00		86	%	60-140	
1,2-Dichloroethane	ug/L	4.48		5.00		90	%	60-140	
Trichloroethene	ug/L	4.39		5.00		88	%	60-140	
1,2-Dichloropropane	ug/L	4.42		5.00		88	%	60-140	
cis-1,3-Dichloropropene	ug/L	4.29		5.00		86	%	60-140	
1,1,2-Trichloroethane	ug/L	4.79		5.00		96	%	60-140	
Tetrachloroethene	ug/L	4.26		5.00		85	%	60-140	
1,2-Dibromoethane (EDB)	ug/L	5.83		5.00		117	%	60-140	
Bromoform	ug/L	4.26		5.00		85	%	60-140	
1,4-Dichlorobenzene	ug/L	5.57		5.00		111	%	60-140	

Page 13 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

STL-CT

Volatile Report OLC 2.1 METHOD

Data file : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055785.b\V5786.D
Lab Smp Id: LCSV05FWRK012 Client Smp ID: LCSV05FWRK012
Inj Date : 07-JUL-2005 22:08 MS Autotune Date: 10-MAY-2005 11:27
Operator : D. HUMBERT Inst ID: msv.i
Smp Info : LCSV05FWRK012
Misc Info : : LCS;;; 005PPB_QCS ; OLC ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055785.b\VOLC21W.m
Meth Date : 07-Jul-2005 23:11 dave Quant Type: ISTD
Cal Date : 07-JUL-2005 21:28 Cal File: V5785.D
Als bottle: 48 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: CONMSLNT

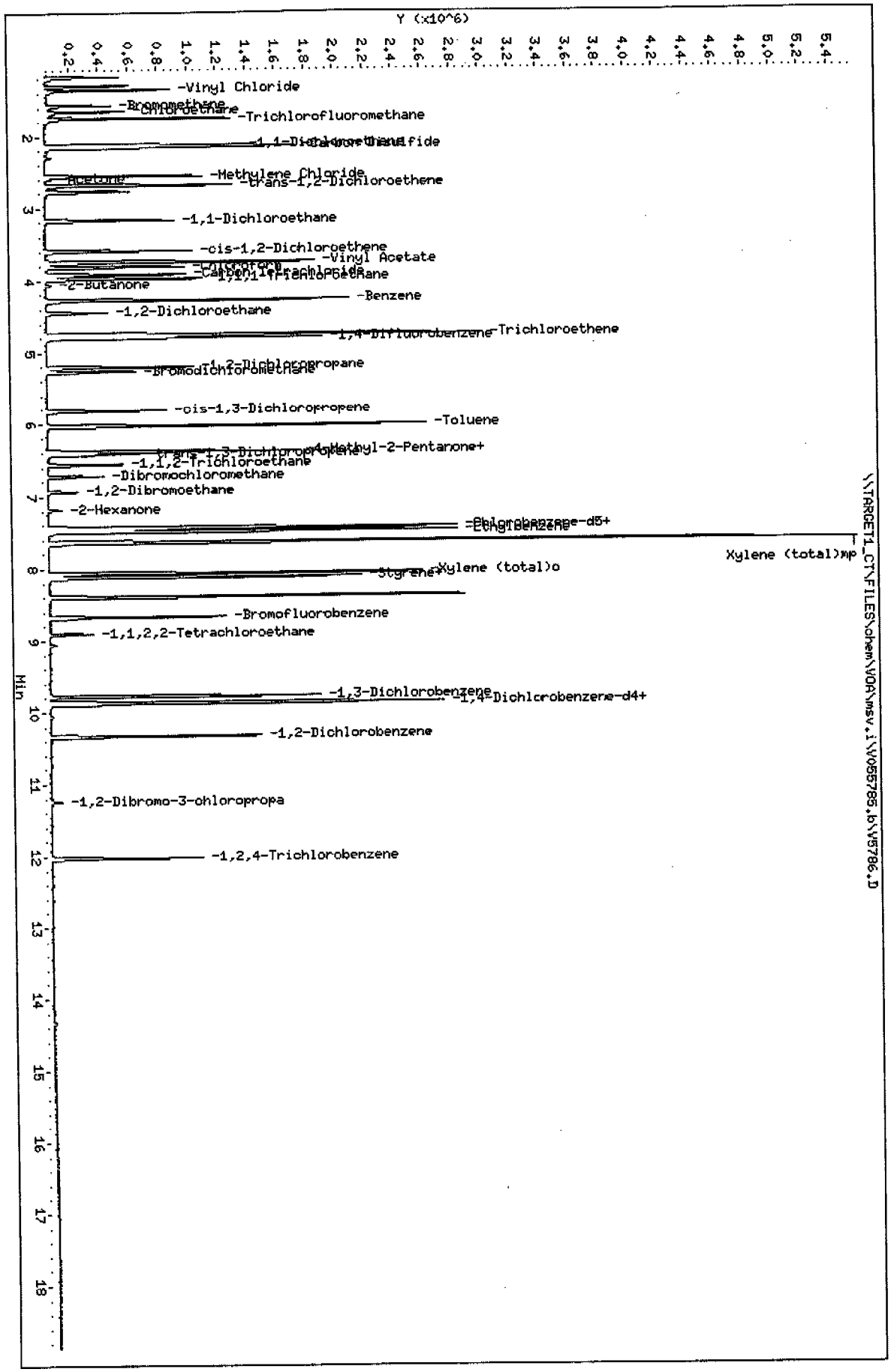
Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	25.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

D.H. 7/7/05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	1 1,4-Difluorobenzene	114	4.790	4.790	(1.000)	1232457	5.00000	
	2 Chloromethane	50	1.295	1.295	(0.270)	432546	4.26721	4.3
	3 Vinyl Chloride	62	1.348	1.348	(0.281)	501497	4.15985	4.2
	4 Bromomethane	94	1.562	1.562	(0.326)	188618	4.50375	4.5
	5 Chloroethane	64	1.652	1.652	(0.345)	317317	4.64907	4.6
	6 Trichlorofluoromethane	101	1.748	1.748	(0.365)	681367	5.54272	5.5
	7 1,1-Dichloroethene	96	2.117	2.117	(0.442)	346025	4.34804	4.3
	8 Carbon Disulfide	76	2.133	2.133	(0.445)	1091751	2.20228	2.2
	9 Methylene Chloride	84	2.560	2.560	(0.534)	327811	4.88906	4.9
	10 Acetone	43	2.602	2.597	(0.543)	38599	6.30528	6.3
	11 trans-1,2-Dichloroethene	96	2.682	2.688	(0.560)	375318	4.27600	4.3
	14 1,1-Dichloroethane	63	3.163	3.163	(0.660)	664862	4.37107	4.4
	15 Vinyl Acetate	43	3.744	3.371	(0.782)	78619	9.85043	9.9
	16 cis-1,2-Dichloroethene	96	3.590	3.590	(0.749)	337326	4.19197	4.2
	18 Chloroform	83	3.808	3.808	(0.795)	550414	4.35562	4.4
	19 2-Butanone	43	4.059	4.059	(0.847)	46224	5.25987	5.3
	20 1,2-Dichloroethane	62	4.438	4.438	(0.926)	259505	4.48219	4.5
$	21 Bromofluorobenzene	95	8.670	8.670	(1.810)	358885	5.05065	5.1
*	22 Chlorobenzene-d5	117	7.432	7.432	(1.000)	950146	5.00000	
	23 1,1,1-Trichloroethane	97	3.969	3.968	(0.534)	579694	4.40062	4.4
	24 Carbon Tetrachloride	117	3.915	3.915	(0.527)	497654	4.25894	4.3
	25 Benzene	78	4.267	4.267	(0.574)	1410553	4.32202	4.3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	26 Trichloroethene	130	4.758	4.758	(0.640)	424538	4.38828	4.4
	27 1,2-Dichloropropane	63	5.196	5.196	(0.699)	298378	4.41671	4.4
	28 Bromodichloromethane	83	5.260	5.260	(0.708)	313423	4.36648	4.4
	30 cis-1,3-Dichloropropene	75	5.815	5.815	(0.782)	349185	4.28525	4.3
	31 trans-1,3-Dichloropropene	75	6.418	6.413	(0.864)	254051	4.29325	4.3
	32 1,1,2-Trichloroethane	97	6.557	6.557	(0.882)	149825	4.79438	4.8
	33 Dibromochloromethane	129	6.717	6.717	(0.904)	172735	4.24843	4.2
	34 Toluene	91	6.029	6.028	(0.811)	1547774	4.29818	4.3
	35 4-Methyl-2-Pentanone	43	6.386	6.386	(0.859)	88221	4.36845	4.4
	36 Tetrachloroethene	164	6.375	6.375	(0.858)	339148	4.25906	4.3
	37 1,2-Dibromoethane	107	6.931	6.930	(0.933)	119089	5.83304	5.8
	38 2-Hexanone	43	7.187	7.181	(0.967)	50149	4.19249	4.2
	39 Chlorobenzene	112	7.448	7.448	(1.002)	935058	4.33783	4.3
	40 Ethylbenzene	106	7.491	7.485	(1.008)	572618	4.26898	4.3
	41 Xylene (total)mp	106	7.640	7.640	(1.028)	1445724	8.44015	8.4
	42 Xylene (total)o	106	8.062	8.062	(1.085)	638618	4.30241	4.3
	43 Styrene	104	8.121	8.121	(1.093)	857387	4.13703	4.1
	44 1,1,2,2-Tetrachloroethane	83	8.905	8.905	(1.198)	127116	4.58889	4.6
*	45 1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	466588	5.00000	
	46 Bromoform	173	8.121	8.126	(0.824)	87976	4.25614	4.3
	47 1,3-Dichlorobenzene	146	9.775	9.775	(0.991)	742056	5.54023	5.5
	48 1,4-Dichlorobenzene	146	9.876	9.876	(1.002)	732507	5.57188	5.6
	49 1,2-Dichlorobenzene	146	10.330	10.335	(1.048)	580750	5.64612	5.6
	50 1,2-Dibromo-3-chloropropane	75	11.237	11.232	(1.140)	16151	5.38452	5.4
	51 1,2,4-Trichlorobenzene	180	12.022	12.022	(1.219)	313742	5.65106	5.7
M	52 1,2-Dichloroethene (total)	100				712644	8.46797	8.5
M	53 Xylene (total)	100				2084342	12.7426	13



Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055785.b\V5786.D
Date : 07-JUL-2005 22:08
Client ID: LCSV05FWRK012
Sample Info: LCSV05FWRK012
Purge Volume: 25.0
Column phase: RTX-VMS

Instrument: msv.i
Operator: D. HUNBERT
Column diameter: 0.25

QUALITY CONTROL RESULTS

Job Number.: 210038 Report Date.: 07/14/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05FWRK012	51311 -002		07/08/2005	1022

Test Method.....: OLC02.1 Equipment Code....: MSV Analyst...: pam
Method Description.: CLP Volatile Organics Batch.....: 51442

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride	ug/L	4.68		5.00		94	%	60-140	
Carbon tetrachloride	ug/L	5.01		5.00		100	%	60-140	
Benzene	ug/L	5.04		5.00		101	%	60-140	
1,2-Dichloroethane	ug/L	4.49		5.00		90	%	60-140	
Trichloroethene	ug/L	4.97		5.00		99	%	60-140	
1,2-Dichloropropane	ug/L	5.30		5.00		106	%	60-140	
cis-1,3-Dichloropropene	ug/L	3.72		5.00		74	%	60-140	
1,1,2-Trichloroethane	ug/L	5.01		5.00		100	%	60-140	
Tetrachloroethene	ug/L	4.99		5.00		100	%	60-140	
1,2-Dibromoethane (EDB)	ug/L	6.23		5.00		125	%	60-140	
Bromoform	ug/L	3.86		5.00		77	%	60-140	
1,4-Dichlorobenzene	ug/L	5.68		5.00		114	%	60-140	

Page 15 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

STL-CT

Volatile Report OLC 2.1 METHOD

Data file : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055808.b\V5809.D
Lab Smp Id: LCSV05FWRK012 Client Smp ID: LCSV05FWRK012
Inj Date : 08-JUL-2005 10:22 MS Autotune Date: 10-MAY-2005 11:27
Operator : D. HUMBERT Inst ID: msv.i
Smp Info : LCSV05FWRK012
Misc Info : : ;;; 005PPB_QCS ; OLC ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055808.b\VOLC21W.m
Meth Date : 08-Jul-2005 20:24 larryd Quant Type: ISTD
Cal Date : 08-JUL-2005 09:29 Cal File: V5808.D
Als bottle: 67 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: CONMSLNT

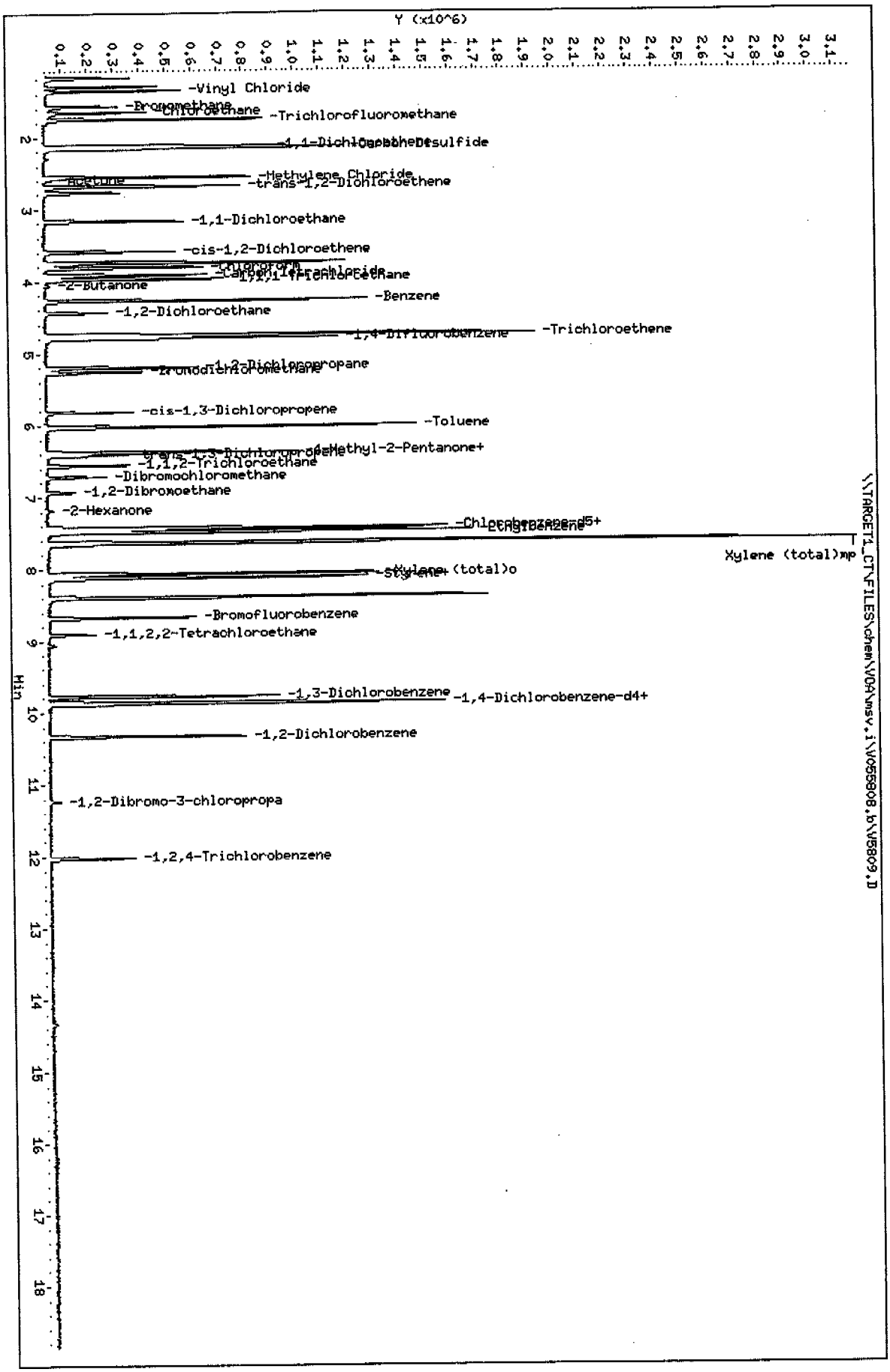
Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	25.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

D.H. 7/8/05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	1 1,4-Difluorobenzene	114	4.790	4.790	(1.000)	734004	5.00000	
	2 Chloromethane	50	1.295	1.295	(0.270)	285527	4.60079	4.6
	3 Vinyl Chloride	62	1.348	1.348	(0.281)	294068	4.68138	4.7
	4 Bromomethane	94	1.561	1.561	(0.326)	115101	5.31698	5.3
	5 Chloroethane	64	1.647	1.652	(0.344)	220833	4.94687	4.9
	6 Trichlorofluoromethane	101	1.743	1.743	(0.364)	452190	6.04434	6.0
	7 1,1-Dichloroethene	96	2.117	2.116	(0.442)	211110	5.07172	5.1
	8 Carbon Disulfide	76	2.133	2.132	(0.445)	739727	2.44360	2.4
	9 Methylene Chloride	84	2.559	2.559	(0.534)	245697	5.72582	5.7
	10 Acetone	43	2.597	2.597	(0.542)	20666	7.44643	7.4
	11 trans-1,2-Dichloroethene	96	2.682	2.687	(0.560)	218897	5.10657	5.1
	14 1,1-Dichloroethane	63	3.163	3.162	(0.660)	395301	4.81061	4.8
	16 cis-1,2-Dichloroethene	96	3.590	3.589	(0.749)	171907	5.11759	5.1
	18 Chloroform	83	3.808	3.808	(0.795)	354136	4.59500	4.6
	19 2-Butanone	43	4.059	4.059	(0.847)	17955	4.98477	5.0
	20 1,2-Dichloroethane	62	4.433	4.438	(0.925)	151641	4.48912	4.5
$	21 Bromofluorobenzene	95	8.670	8.670	(1.810)	161909	5.03042	5.0
*	22 Chlorobenzene-d5	117	7.432	7.432	(1.000)	463208	5.00000	
	23 1,1,1-Trichloroethane	97	3.968	3.968	(0.534)	362900	5.04461	5.0
	24 Carbon Tetrachloride	117	3.915	3.915	(0.527)	323613	5.01168	5.0
	25 Benzene	78	4.267	4.273	(0.574)	804553	5.03926	5.0
	26 Trichloroethene	130	4.758	4.758	(0.640)	270723	4.97449	5.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
27	1,2-Dichloropropane	63	5.196	5.196	(0.699)	159119	5.30173	5.3
28	Bromodichloromethane	83	5.255	5.254	(0.707)	194436	4.84956	4.8
30	cis-1,3-Dichloropropene	75	5.815	5.815	(0.782)	137454	3.71691	3.7
31	trans-1,3-Dichloropropene	75	6.418	6.413	(0.864)	121349	4.25420	4.3
32	1,1,2-Trichloroethane	97	6.562	6.557	(0.883)	87036	5.00626	5.0
33	Dibromochloromethane	129	6.717	6.722	(0.904)	104076	5.06725	5.1
34	Toluene	91	6.028	6.028	(0.811)	830102	4.81359	4.8
35	4-Methyl-2-Pentanone	43	6.386	6.386	(0.859)	35228	4.59500	4.6
36	Tetrachloroethene	164	6.375	6.375	(0.858)	190275	4.99101	5.0
37	1,2-Dibromoethane	107	6.930	6.930	(0.933)	60924	6.22571	6.2
38	2-Hexanone	43	7.187	7.181	(0.967)	15254	4.81411	4.8
39	Chlorobenzene	112	7.448	7.448	(1.002)	547615	4.95066	5.0
40	Ethylbenzene	106	7.491	7.491	(1.008)	339450	4.82293	4.8
41	Xylene (total)mp	106	7.640	7.640	(1.028)	895165	9.67833	9.7
42	Xylene (total)o	106	8.067	8.067	(1.085)	339868	5.41946	5.4
43	Styrene	104	8.121	8.120	(1.093)	528161	4.70564	4.7
44	1,1,2,2-Tetrachloroethane	83	8.905	8.900	(1.198)	73644	4.62013	4.6
* 45	1,4-Dichlorobenzene-d4	152	9.860	9.866	(1.000)	240082	5.00000	
46	Bromoform	173	8.126	8.126	(0.824)	54618	3.86155	3.9
47	1,3-Dichlorobenzene	146	9.780	9.780	(0.992)	358101	5.85880	5.9
48	1,4-Dichlorobenzene	146	9.876	9.876	(1.002)	426415	5.67803	5.7
49	1,2-Dichlorobenzene	146	10.335	10.335	(1.048)	302103	6.14222	6.1
50	1,2-Dibromo-3-chloropropane	75	11.232	11.243	(1.139)	7896	6.39141	6.4
51	1,2,4-Trichlorobenzene	180	12.027	12.027	(1.220)	107371	7.00353	7.0
M 52	1,2-Dichloroethene (total)	100				390804	10.2242	10
M 53	Xylene (total)	100				1235033	15.0978	15



Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055808.b\V5809.D
Date : 08-JUL-2005 10:22
Client ID: LCSV05FWRK012
Sample Info: LCSV05FWRK012
Purge Volume: 25.0
Column phase: RTX-VMS

Instrument: msv.i
Operator: D. HUMBERT
Column diameter: 0.25

QUALITY CONTROL RESULTS

Job Number.: 210038 Report Date.: 07/14/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05WRK012	51315 -002		07/09/2005	1134

Test Method.....: OLC02.1 Equipment Code....: MSV Analyst...: pam
Method Description.: CLP Volatile Organics Batch.....: 51442

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride	ug/L	4.41		5.00		88	%	60-140	
Carbon tetrachloride	ug/L	4.66		5.00		93	%	60-140	
Benzene	ug/L	4.69		5.00		94	%	60-140	
1,2-Dichloroethane	ug/L	4.63		5.00		93	%	60-140	
Trichloroethene	ug/L	4.60		5.00		92	%	60-140	
1,2-Dichloropropane	ug/L	4.86		5.00		97	%	60-140	
cis-1,3-Dichloropropene	ug/L	3.85		5.00		77	%	60-140	
1,1,2-Trichloroethane	ug/L	4.88		5.00		98	%	60-140	
Tetrachloroethene	ug/L	4.54		5.00		91	%	60-140	
1,2-Dibromoethane (EDB)	ug/L	6.13		5.00		123	%	60-140	
Bromoform	ug/L	4.81		5.00		96	%	60-140	
1,4-Dichlorobenzene	ug/L	6.02		5.00		120	%	60-140	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

STL-CT

Volatile Report OLC 2.1 METHOD

Data file : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055829.b\V5830.D
Lab Smp Id: LCSV05FWRK012 Client Smp ID: LCSV05FWRK012
Inj Date : 09-JUL-2005 11:34 MS Autotune Date: 10-MAY-2005 11:27
Operator : D. HUMBERT Inst ID: msv.i
Smp Info : LCSV05FWRK012
Misc Info : : LCS;;; 005PPB_QCS ; OLC ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msv.i\V055829.b\VOLC21W.m
Meth Date : 09-Jul-2005 19:40 larryd Quant Type: ISTD
Cal Date : 09-JUL-2005 10:46 Cal File: V5829.D
Als bottle: 78 QC Sample: LCS
Dil Factor: 1.00000 Compound Sublist: all.sub
Integrator: HP RTE
Target Version: 4.10
Processing Host: CONMSLNT

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	25.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

D.H. 7/9/05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
*	1 1,4-Difluorobenzene	114	4.790	4.790	(1.000)	837044	5.00000	
	2 Chloromethane	50	1.295	1.295	(0.270)	313223	4.47595	4.5
	3 Vinyl Chloride	62	1.348	1.348	(0.281)	340668	4.40831	4.4
	4 Bromomethane	94	1.561	1.561	(0.326)	135013	4.82403	4.8
	5 Chloroethane	64	1.647	1.647	(0.344)	236397	4.71853	4.7
	6 Trichlorofluoromethane	101	1.748	1.743	(0.365)	504633	5.72625	5.7
	7 1,1-Dichloroethene	96	2.116	2.116	(0.442)	251896	4.67809	4.7
	8 Carbon Disulfide	76	2.132	2.132	(0.445)	803409	2.36054	2.4
	9 Methylene Chloride	84	2.559	2.559	(0.534)	376054	5.13734	5.1
	10 Acetone	43	2.602	2.597	(0.543)	120979	14.0580	14
	11 trans-1,2-Dichloroethene	96	2.682	2.688	(0.560)	268024	4.50999	4.5
	14 1,1-Dichloroethane	63	3.162	3.163	(0.660)	450646	4.52961	4.5
	16 cis-1,2-Dichloroethene	96	3.589	3.589	(0.749)	218758	4.37831	4.4
	18 Chloroform	83	3.808	3.808	(0.795)	390163	4.35565	4.4
	19 2-Butanone	43	4.064	4.059	(0.848)	25450	4.86647	4.9
	20 1,2-Dichloroethane	62	4.438	4.438	(0.926)	181666	4.62735	4.6
$	21 Bromofluorobenzene	95	8.670	8.670	(1.810)	202968	4.75255	4.8
*	22 Chlorobenzene-d5	117	7.432	7.432	(1.000)	593759	5.00000	
	23 1,1,1-Trichloroethane	97	3.968	3.968	(0.534)	410187	4.75994	4.8
	24 Carbon Tetrachloride	117	3.915	3.915	(0.527)	360365	4.65961	4.7
	25 Benzene	78	4.273	4.267	(0.575)	953033	4.69173	4.7
	26 Trichloroethene	130	4.758	4.758	(0.640)	308550	4.59828	4.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	27 1,2-Dichloropropane	63	5.196	5.196	(0.699)	194164	4.85866	4.9
	28 Bromodichloromethane	83	5.260	5.260	(0.708)	211803	4.63391	4.6
	30 cis-1,3-Dichloropropene	75	5.815	5.815	(0.782)	186162	3.85289	3.9
	31 trans-1,3-Dichloropropene	75	6.418	6.413	(0.864)	153646	4.57004	4.6
	32 1,1,2-Trichloroethane	97	6.562	6.557	(0.883)	98980	4.87963	4.9
	33 Dibromochloromethane	129	6.722	6.722	(0.905)	114017	4.59061	4.6
	34 Toluene	91	6.028	6.028	(0.811)	995956	4.46542	4.5
	35 4-Methyl-2-Pentanone	43	6.386	6.386	(0.859)	50479	4.59834	4.6
	36 Tetrachloroethene	164	6.375	6.375	(0.858)	227609	4.54449	4.5
	37 1,2-Dibromoethane	107	6.930	6.930	(0.933)	75311	6.12645	6.1
	38 2-Hexanone	43	7.186	7.187	(0.967)	24596	4.38860	4.4
	39 Chlorobenzene	112	7.448	7.448	(1.002)	628480	4.58919	4.6
	40 Ethylbenzene	106	7.485	7.491	(1.007)	396426	4.71307	4.7
	41 Xylene (total)mp	106	7.640	7.640	(1.028)	1017647	9.25254	9.3
	42 Xylene (total)o	106	8.067	8.067	(1.085)	399359	4.61664	4.6
	43 Styrene	104	8.120	8.121	(1.093)	584899	4.38649	4.4
	44 1,1,2,2-Tetrachloroethane	83	8.905	8.905	(1.198)	85829	4.60609	4.6
*	45 1,4-Dichlorobenzene-d4	152	9.860	9.866	(1.000)	287080	5.00000	
	46 Bromoform	173	8.126	8.126	(0.824)	60462	4.81115	4.8
	47 1,3-Dichlorobenzene	146	9.780	9.780	(0.992)	463483	6.03980	6.0
	48 1,4-Dichlorobenzene	146	9.876	9.876	(1.002)	503463	6.01864	6.0
	49 1,2-Dichlorobenzene	146	10.335	10.335	(1.048)	367994	5.97276	6.0
	50 1,2-Dibromo-3-chloropropane	75	11.237	11.237	(1.140)	10061	5.94849	5.9
	51 1,2,4-Trichlorobenzene	180	12.027	12.027	(1.220)	146335	5.27187	5.3
M	52 1,2-Dichloroethene (total)	100				486782	8.88831	8.9
M	53 Xylene (total)	100				1417006	13.8692	14

Data File: \\TARGET1_CT\FILES\chem\VOA\msv.i\V055829.b\V5830.D
Date : 09-JUL-2005 11:34
Client ID: LCSV05FWRK012
Sample Info: LCSV05FWRK012
Purge Volume: 25.0
Column phase: RTX-VMS
Instrument: msv.i
Operator: D. HUMBERT
Column diameter: 0.25
\\TARGET1_CT\FILES\chem\VOA\msv.i\V055829.b\V5830.D
Y (x10^6)
Min
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Carbon Disulfide
-Methylene Chloride
-Acetone
-trans-1,2-Dichloroethene
-1,1-Dichloroethane
-cis-1,2-Dichloroethene
-Chloroform
-Carbon Tetrachloride
-1,1,1-Trichloroethane
-2-Butanone
-Benzene
-1,2-Dichloroethane
-1,4-Difluorobenzene
-Trichloroethene
-1,2-Dichloropropane
-Bromodichloromethane
-cis-1,3-Dichloropropene
-Toluene
-trans-1,3-Dichloropropene
-4-Methyl-2-Pentanone+
-1,1,2-Trichloroethane
-Dibromochloromethane
-1,2-Dibromoethane
-2-Hexanone
-Chlorobenzene-d5+
-Ethylbenzene
-Xylene (total)mp
-Xylene (total)o
-Styrene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene

SURROGATE RECOVERIES REPORT

Job Number.: 210038 Report Date.: 07/27/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

Method.....: CLP BNA Extractable Organics Method Code...: OLCBNA Prep Batch....: 51992
Batch(s).....: 52165 Test Matrix...: Water Equipment Code: MSR

Lab ID	DT	Sample ID	Date	246TBP	2FLUBP	2FLUPH	NITRD5	PHEND5	TERD14
LCS-51992-2			07/25/2005	81	71	65	76	68	99
MB-51992-1			07/25/2005	90	79	73	72	73	104
210038- 1		SW-03	07/26/2005	103	90	85	86	84	67
210038- 2		SW-02	07/26/2005	103	99	94	89	97	73
210038- 3		SW-01	07/26/2005	101	87	82	91	82	92
210038- 3	MS	SW-01	07/26/2005	91	81	75	78	78	79
210038- 3	MSB	SW-01	07/25/2005	83	78	66	70	69	100
210038- 3	MSD	SW-01	07/26/2005	105	101	91	96	91	56
210038- 4		DUP062905	07/26/2005	108	97	84	89	47	53

Test	Test Description	Limits
246TBP	2,4,6-Tribromophenol (surr)	15 - 130
2FLUBP	2-Fluorobiphenyl (surr)	30 - 115
2FLUPH	2-Fluorophenol (surr)	15 - 121
NITRD5	Nitrobenzene-d5 (surr)	23 - 120
PHEND5	Phenol-d5 (surr)	15 - 115
TERD14	Terphenyl-d14 (surr)	18 - 140

QUALITY CONTROL RESULTS

Job Number.: 210038

Report Date.: 07/27/2005

CUSTOMER: ERM

PROJECT: RABCO PRODUCTS

ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	E05PSPK014	51992-002		07/25/2005	2322

Test Method.....: OLC02.1
Method Description.: CLP BNA Extractable Organics

Equipment Code....: MSR
Batch.....: 52165

Analyst...: jdw

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol	ug/L	27.65		40.00	0.50 U	69	%	40-120	
Bis(2-chloroethyl)ether	ug/L	13.59		20.00	0.50 U	68	%	50-110	
2-Chlorophenol	ug/L	27.76		40.00	0.50 U	69	%	50-110	
n-Nitroso-di-n-propylamine	ug/L	13.09		20.00	0.50 U	65	%	30-110	
Hexachloroethane	ug/L	12.05		20.00	0.50 U	60	%	20-110	
Isophorone	ug/L	15.02		20.00	0.50 U	75	%	50-110	
Naphthalene	ug/L	15.26		20.00	0.50 U	76	%	30-110	
4-Chloroaniline	ug/L	21.90		40.00	0.50 U	55	%	10-120	
2,4,6-Trichlorophenol	ug/L	29.74		40.00	0.50 U	74	%	40-120	
2,4-Dinitrotoluene	ug/L	14.59		20.00	0.50 U	73	%	30-120	
Diethyl phthalate	ug/L	17.38		20.00	0.50 U	87	%	50-120	
n-Nitrosodiphenylamine	ug/L	14.78		20.00	0.50 U	74	%	30-110	
Hexachlorobenzene	ug/L	15.28		20.00	0.50 U	76	%	40-120	
Benzo(a)pyrene	ug/L	18.76		20.00	0.50 U	94	%	50-120	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 210038

Report Date.: 07/27/2005

CUSTOMER: ERM | PROJECT: RABCO PRODUCTS | ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	E05FSPK014	210038-3		07/26/2005	0207

Test Method.....: OLC02.1
Method Description.: CLP BNA Extractable Organics

Equipment Code....: MSR
Batch.....: 52165

Analyst...: jdw

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol	ug/L	30.54		40.00	0.50 U	76		40-120	
Bis(2-chloroethyl)ether	ug/L	15.33		20.00	0.50 U	77		50-110	
2-Chlorophenol	ug/L	34.07		40.00	0.50 U	85		50-110	
n-Nitroso-di-n-propylamine	ug/L	14.93		20.00	0.50 U	75		30-110	
Hexachloroethane	ug/L	13.29		20.00	0.50 U	66		20-110	
Isophorone	ug/L	14.82		20.00	0.50 U	74		50-110	
Naphthalene	ug/L	17.04		20.00	0.50 U	85		30-110	
4-Chloroaniline	ug/L	18.74		40.00	0.50 U	47		10-120	
2,4,6-Trichlorophenol	ug/L	35.16		40.00	0.50 U	88		40-120	
2,4-Dinitrotoluene	ug/L	16.60		20.00	0.50 U	83		30-120	
Diethyl phthalate	ug/L	19.72		20.00	0.50 U	99		50-120	
n-Nitrosodiphenylamine	ug/L	16.97		20.00	0.50 U	85		30-110	
Hexachlorobenzene	ug/L	15.64		20.00	0.50 U	78		40-120	
Benzo(a)pyrene	ug/L	13.27		20.00	0.50 U	66		50-120	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 210038

Report Date.: 07/27/2005

CUSTOMER: ERM | PROJECT: RAECO PRODUCTS | ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSB	Matrix Spike Blank	E05FSPK014	210038-3		07/25/2005	2355

Test Method.....: OLC02.1
Method Description.: CLP BNA Extractable Organics

Equipment Code....: MSR
Batch.....: 52165

Analyst...: jdw

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol	ug/L	28.20		40.00	0.50 U	71		40-120	
Bis(2-chloroethyl)ether	ug/L	14.52		20.00	0.50 U	73		50-110	
2-Chlorophenol	ug/L	32.46		40.00	0.50 U	81		50-110	
n-Nitroso-di-n-propylamine	ug/L	14.08		20.00	0.50 U	70		30-110	
Hexachloroethane	ug/L	12.75		20.00	0.50 U	64		20-110	
Isophorone	ug/L	13.48		20.00	0.50 U	67		50-110	
Naphthalene	ug/L	15.63		20.00	0.50 U	78		30-110	
4-Chloroaniline	ug/L	19.63		40.00	0.50 U	49		10-120	
2,4,6-Trichlorophenol	ug/L	30.68		40.00	0.50 U	77		40-120	
2,4-Dinitrotoluene	ug/L	16.09		20.00	0.50 U	80		30-120	
Diethyl phthalate	ug/L	18.87		20.00	0.50 U	94		50-120	
n-Nitrosodiphenylamine	ug/L	17.34		20.00	0.50 U	87		30-110	
Hexachlorobenzene	ug/L	17.47		20.00	0.50 U	87		40-120	
Benzo(a)pyrene	ug/L	19.80		20.00	0.50 U	99		50-120	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 210038 Report Date.: 07/27/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	E05FSPK014	210038-3		07/26/2005	0239

Test Method.....: OLC02.1 Equipment Code....: MSR Analyst...: jdw
Method Description.: CLP BNA Extractable Organics Batch.....: 52165

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Phenol	ug/L	36.38	30.54	40.00	0.50	U	91 17		40-120 20	
Bis(2-chloroethyl)ether	ug/L	17.00	15.33	20.00	0.50	U	85 10		50-110 20	
2-Chlorophenol	ug/L	39.74	34.07	40.00	0.50	U	99 15		50-110 20	
n-Nitroso-di-n-propylamine	ug/L	18.72	14.93	20.00	0.50	U	94 23		30-110 20	*
Hexachloroethane	ug/L	17.39	13.29	20.00	0.50	U	87 27		20-110 20	*
Isophorone	ug/L	17.47	14.82	20.00	0.50	U	87 16		50-110 20	
Naphthalene	ug/L	20.25	17.04	20.00	0.50	U	101 17		30-110 20	
4-Chloroaniline	ug/L	21.86	18.74	40.00	0.50	U	55 15		10-120 20	
2,4,6-Trichlorophenol	ug/L	41.36	35.16	40.00	0.50	U	103 16		40-120 20	
2,4-Dinitrotoluene	ug/L	18.19	16.60	20.00	0.50	U	91 9		30-120 20	
Diethyl phthalate	ug/L	22.34	19.72	20.00	0.50	U	112 12		50-120 20	
n-Nitrosodiphenylamine	ug/L	18.36	16.97	20.00	0.50	U	92 8		30-110 20	
Hexachlorobenzene	ug/L	18.75	15.64	20.00	0.50	U	94 18		40-120 20	
Benzo(a)pyrene	ug/L	14.19	13.27	20.00	0.50	U	71 7		50-120 20	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

51992-1MB

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Lab File ID: R9595 Lab Sample ID: 51992-1MB

Instrument ID: MSR Date Extracted: 07/20/05

Matrix: (soil/water) WATER Date Analyzed: 07/25/05

Level: (low/med) LOW Time Analyzed: 2249

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	51992-2LCS	51992-2LCS	R9596	07/25/05
02	SW-01MSB	210038-3MSB	R9597	07/25/05
03	SW-03	210038-1	R9598	07/26/05
04	SW-02	210038-2	R9599	07/26/05
05	SW-01	210038-3	R9600	07/26/05
06	SW-01MS	210038-3MS	R9601	07/26/05
07	SW-01MSD	210038-3MSD	R9602	07/26/05
08	DUP062905	210038-4	R9603	07/26/05
09				
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11				
12				
13				
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COMMENTS:

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Lab File ID: RN9590 DFTPP Injection Date: 07/25/05

Instrument ID: MSR DFTPP Injection Time: 1957

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	50.4
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	89.9
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	59.7
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	19.3
365	1.0 - 100.0% of mass 198	2.8
441	Present, but less than mass 443	10.2
442	40.0 - 110.0% of mass 198	66.4
443	17.0 - 23.0% of mass 442	12.4 (18.7)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	DUP 7/26/05				
01	OLC220/80	OLC220/80	R9590	07/25/05	1957
02	OLC15/20	OLC15/20	R9591	07/25/05	2030
03	OLC210/50	OLC210/50	R9592	07/25/05	2111
04	OLC4 50/100	OLC4 50/100	R9593	07/25/05	2143
05	OLC5 80/120	OLC5 80/120	R9594	07/25/05	2216
06	51992-1MB	51992-1MB	R9595	07/25/05	2249
07	51992-2LCS	51992-2LCS	R9596	07/25/05	2322
08	SW-01MSB	210038-3MSB	R9597	07/25/05	2355
09	SW-03	210038-1	R9598	07/26/05	0028
10	SW-02	210038-2	R9599	07/26/05	0101
11	SW-01	210038-3	R9600	07/26/05	0133
12	SW-01MS	210038-3MS	R9601	07/26/05	0207
13	SW-01MSD	210038-3MSD	R9602	07/26/05	0239
14	DUP062905	210038-4	R9603	07/26/05	0312
15					
16					
17					
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22					

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Lab File ID (Standard): R9592 Date Analyzed: 07/25/05

Instrument ID: MSR Time Analyzed: 2111

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	257667	5.14	833401	6.39	453486	8.15
	UPPER LIMIT	515334	5.64	1666802	6.89	906972	8.65
	LOWER LIMIT	128834	4.64	416701	5.89	226743	7.65
	EPA SAMPLE NO.						
01	51992-1MB	206127	5.13	670660	6.39	357002	8.14
02	51992-2LCS	268235	5.14	798730	6.39	483916	8.14
03	SW-01MSB	272044	5.14	871917	6.39	482212	8.14
04	SW-03	210835	5.13	701565	6.39	378702	8.14
05	SW-02	207745	5.14	712021	6.39	381424	8.14
06	SW-01	227096	5.14	681171	6.39	399743	8.14
07	SW-01MS	271844	5.14	849820	6.39	482657	8.14
08	SW-01MSD	200213	5.13	641542	6.39	349871	8.14
09	DUP062905	257169	5.13	848955	6.39	451924	8.14
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Lab File ID (Standard): R9592 Date Analyzed: 07/25/05

Instrument ID: MSR Time Analyzed: 2111

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	661356	9.60	528838	13.14	643522	16.47
	UPPER LIMIT	1322712	10.10	1057676	13.64	1287044	16.97
	LOWER LIMIT	330678	9.10	264419	12.64	321761	15.97
	EPA SAMPLE NO.						
01	51992-1MB	514514	9.59	422828	13.14	582814	16.46
02	51992-2LCS	688120	9.60	522472	13.14	717807	16.47
03	SW-01MSB	660990	9.60	514251	13.14	702770	16.47
04	SW-03	552525	9.59	413521	13.14	575509	16.47
05	SW-02	565664	9.59	438436	13.14	572263	16.46
06	SW-01	578654	9.60	446812	13.14	587342	16.46
07	SW-01MS	706848	9.59	502690	13.14	692941	16.47
08	SW-01MSD	517573	9.59	405653	13.13	547869	16.46
09	DUP062905	675218	9.59	503825	13.14	302670*	16.46
10							
11							
12							
13							
14							
15							
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17							
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

DETECTION LIMIT STUDY

Method.....:8270C
Analyst.....:Dawn May
Equipment ID.:,MSR
Analysis Date:04/14/2005(grp 1)

Date..:2005-04-18
Units.:ug/L
Batch.:47338
T-Val.:6.965

COMPOUND/ELEMENT/TEST				Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
Pyridine				Water	2.82	ug/L	3.553683	0.404519	
Raw Data:	3.28499	4.01892	3.35714						
n-Nitrosodimethylamine				Water	3.69	ug/L	5.737467	0.530480	
Raw Data:	6.23578	5.79681	5.17981						
Cyclohexanone				Water	1.95	ug/L	4.857967	0.280537	
Raw Data:	5.17835	4.65634	4.73921						
Benzaldehyde				Water	1.52	ug/L	4.204430	0.218403	
Raw Data:	4.24513	4.39962	3.96854						
Phenol				Water	0.28	ug/L	3.766163	0.040480	
Raw Data:	3.75910	3.80971	3.72968						
Aniline				Water	1.82	ug/L	3.617367	0.261579	
Raw Data:	3.32444	3.82762	3.70004						
Bis(2-chloroethyl)ether				Water	2.15	ug/L	3.944613	0.308700	
Raw Data:	3.63390	3.94868	4.25126						
2-Chlorophenol				Water	0.42	ug/L	4.030283	0.059627	
Raw Data:	3.99206	3.99980	4.09899						
1,3-Dichlorobenzene				Water	0.38	ug/L	4.097503	0.055272	
Raw Data:	4.15974	4.05414	4.07863						
1,4-Dichlorobenzene				Water	1.07	ug/L	4.151457	0.153855	
Raw Data:	4.04023	4.08710	4.32704						
Benzyl alcohol				Water	1.39	ug/L	3.822203	0.199661	
Raw Data:	3.88857	3.98023	3.59781						
1,2-Dichlorobenzene				Water	0.55	ug/L	4.268833	0.079661	
Raw Data:	4.20187	4.35693	4.24770						
2,2-oxybis (1-chloropropane)				Water	0.92	ug/L	4.049827	0.132777	
Raw Data:	4.18739	4.03967	3.92242						
2-Methylphenol				Water	0.59	ug/L	3.765627	0.084157	
Raw Data:	3.85755	3.74696	3.69237						
Acetophenone				Water	0.60	ug/L	4.022780	0.086474	
Raw Data:	4.01610	4.11240	3.93984						
Hexachloroethane				Water	1.88	ug/L	3.884427	0.270625	
Raw Data:	3.93067	3.59366	4.12895						
n-Nitroso-di-n-propylamine				Water	0.53	ug/L	3.935437	0.075606	
Raw Data:	3.90638	4.02126	3.87867						
4-Methylphenol				Water	0.13	ug/L	3.871693	0.017980	
Raw Data:	3.85612	3.86759	3.89137						
Nitrobenzene				Water	2.25	ug/L	4.169223	0.323495	
Raw Data:	4.53658	4.04416	3.92693						
Isophorone				Water	0.45	ug/L	4.100007	0.065265	
Raw Data:	4.02938	4.15809	4.11255						

DETECTION LIMIT STUDY

Method.....:8270C
Analyst.....:Dawn May
Equipment ID.:,MSR
Analysis Date:04/14/2005(grp 1)

Date..:2005-04-18
Units.:ug/L
Batch.:47338
T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
2-Nitrophenol	Water	1.82	ug/L	3.578627	0.261876	
Raw Data: 3.57044 3.84450 3.32094						
2,4-Dimethylphenol	Water	0.40	ug/L	3.477083	0.056870	
Raw Data: 3.53941 3.46383 3.42801						
Benzoic acid	Water	5.04	ug/L	7.929243	0.723069	
Raw Data: 7.48723 8.76368 7.53682						
Bis(2-chloroethoxy)methane	Water	0.14	ug/L	4.016077	0.020645	
Raw Data: 4.03750 4.01442 3.99631						
2,4-Dichlorophenol	Water	1.75	ug/L	3.721717	0.250797	
Raw Data: 3.60133 4.01001 3.55381						
1,2,4-Trichlorobenzene	Water	0.30	ug/L	4.245027	0.043457	
Raw Data: 4.26078 4.19589 4.27841						
Naphthalene	Water	1.03	ug/L	4.145647	0.147754	
Raw Data: 3.98974 4.28361 4.16359						
4-Chloroaniline	Water	1.63	ug/L	3.683977	0.234739	
Raw Data: 3.50163 3.94883 3.60147						
Hexachlorobutadiene	Water	2.38	ug/L	4.060190	0.342283	
Raw Data: 3.97226 4.43786 3.77045						
Caprolactam	Water	2.45	ug/L	3.729863	0.352042	
Raw Data: 3.32741 3.98066 3.88152						
4-Chloro-3-methylphenol	Water	1.69	ug/L	3.790423	0.242560	
Raw Data: 3.56519 4.04722 3.75886						
2-Methylnaphthalene	Water	1.58	ug/L	4.374243	0.227145	
Raw Data: 4.50611 4.50466 4.11196						
2,4,5-Trichlorotoluene	Water	1.60	ug/L	4.079810	0.229059	
Raw Data: 4.08652 4.30544 3.84747						
Hexachlorocyclopentadiene	Water	0.93	ug/L	2.694140	0.133381	
Raw Data: 2.57390 2.83761 2.67091						
2,4,6-Trichlorophenol	Water	0.83	ug/L	3.532527	0.118462	
Raw Data: 3.40702 3.64239 3.54817						
2,4,5-Trichlorophenol	Water	4.59	ug/L	9.236707	0.659525	
Raw Data: 9.28366 9.87150 8.55496						
1,1'-Biphenyl	Water	0.92	ug/L	4.229880	0.131723	
Raw Data: 4.32001 4.07871 4.29092						
2-Chloronaphthalene	Water	1.23	ug/L	4.019853	0.176268	
Raw Data: 4.16706 4.06798 3.82452						
2-Nitroaniline	Water	2.75	ug/L	3.393010	0.395472	
Raw Data: 3.03088 3.81500 3.33315						
Acenaphthylene	Water	1.34	ug/L	4.070413	0.192310	
Raw Data: 3.98855 4.29011 3.93258						

DETECTION LIMIT STUDY

Method.....:8270C
Analyst.....:Dawn May
Equipment ID.:,MSR
Analysis Date:04/14/2005(grp 1)

Date..:2005-04-18
Units.:ug/L
Batch.:47338
T-Val.:6.965

COMPOUND/ELEMENT/TEST				Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
Dimethyl phthalate				Water	0.45	ug/L	3.942243	0.065071	
Raw Data:	3.88746	3.92510	4.01417						
2,6-Dinitrotoluene				Water	2.56	ug/L	3.483303	0.366942	
Raw Data:	3.42859	3.87453	3.14679						
Acenaphthene				Water	0.29	ug/L	4.322453	0.041627	
Raw Data:	4.33625	4.27568	4.35543						
3-Nitroaniline				Water	2.78	ug/L	3.574407	0.399517	
Raw Data:	3.23895	4.01639	3.46788						
2,4-Dinitrophenol				Water	5.26	ug/L	5.011547	0.755643	
Raw Data:	4.61039	5.88317	4.54108						
Dibenzofuran				Water	1.53	ug/L	4.166603	0.220277	
Raw Data:	3.96775	4.40338	4.12868						
2,4-Dinitrotoluene				Water	0.83	ug/L	3.402637	0.119307	
Raw Data:	3.44587	3.49430	3.26774						
4-Nitrophenol				Water	3.10	ug/L	8.704483	0.445728	
Raw Data:	8.26904	9.15983	8.68458						
Fluorene				Water	1.22	ug/L	4.146310	0.174478	
Raw Data:	3.94570	4.26272	4.23051						
4-Chlorophenyl phenyl ether				Water	0.55	ug/L	4.202827	0.079388	
Raw Data:	4.20930	4.27878	4.12040						
Diethyl phthalate				Water	0.90	ug/L	3.954613	0.128650	
Raw Data:	3.90687	4.10031	3.85666						
4-Nitroaniline				Water	1.71	ug/L	4.270720	0.245736	
Raw Data:	4.28033	4.51151	4.02032						
4,6-Dinitro-2-methylphenol				Water	3.95	ug/L	7.891927	0.567577	
Raw Data:	7.94740	8.42973	7.29865						
n-Nitrosodiphenylamine				Water	0.90	ug/L	4.151520	0.129522	
Raw Data:	4.12652	4.03632	4.29172						
1,2-Diphenylhydrazine				Water	0.87	ug/L	4.295660	0.124212	
Raw Data:	4.40663	4.16148	4.31887						
4-Bromophenyl phenyl ether				Water	1.62	ug/L	4.098170	0.232010	
Raw Data:	3.85102	4.31128	4.13221						
Prometon				Water	1.25	ug/L	0.754733	0.179424	
Raw Data:	0.95071	0.71495	0.59854						
Simazine				Water	1.69	ug/L	0.790840	0.242170	
Raw Data:	0.51474	0.96727	0.89051						
Atrazine				Water	1.39	ug/L	3.293970	0.199187	
Raw Data:	3.51358	3.24336	3.12497						
Hexachlorobenzene				Water	2.26	ug/L	4.005140	0.323895	
Raw Data:	4.27801	4.09021	3.64720						

DETECTION LIMIT STUDY

Method.....:8270C
Analyst.....:Dawn May
Equipment ID.:,MSR
Analysis Date:04/14/2005(grp 1)

Date..:2005-04-18
Units.:ug/L
Batch.:47338
T-Val.:6.965

COMPOUND/ELEMENT/TEST				Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
Pentachlorophenol				Water	1.73	ug/L	8.166080	0.248556	
Raw Data:	8.02838	8.45301	8.01685						
Phenanthrene				Water	0.60	ug/L	4.177743	0.085792	
Raw Data:	4.08542	4.19280	4.25501						
Carbazole				Water	0.74	ug/L	4.573047	0.106662	
Raw Data:	4.45036	4.62502	4.64376						
Anthracene				Water	0.93	ug/L	4.069677	0.133493	
Raw Data:	3.91831	4.12013	4.17059						
Di-n-butyl phthalate				Water	0.32	ug/L	3.874040	0.046270	
Raw Data:	3.89462	3.82105	3.90645						
Fluoranthene				Water	1.50	ug/L	4.188673	0.215746	
Raw Data:	4.04858	4.43712	4.08032						
Benzidine				Water	3.25	ug/L	4.193677	0.466750	
Raw Data:	4.72677	3.85847	3.99579						
Pyrene				Water	0.77	ug/L	4.100843	0.110305	
Raw Data:	4.05261	4.22705	4.02287						
Butyl benzyl phthalate				Water	0.87	ug/L	3.796320	0.125540	
Raw Data:	3.77801	3.93001	3.68094						
3,3-Dimethylbenzidine				Water	5.39	ug/L	6.397030	0.774334	
Raw Data:	7.24068	5.71872	6.23169						
3,3-Dichlorobenzidine				Water	1.04	ug/L	4.066040	0.149322	
Raw Data:	3.94316	4.23223	4.02273						
Benzo(a)anthracene				Water	0.41	ug/L	3.916487	0.058930	
Raw Data:	3.85627	3.91915	3.97404						
Chrysene				Water	0.08	ug/L	4.021943	0.011899	
Raw Data:	4.00842	4.03081	4.02660						
Bis(2-ethylhexyl)phthalate				Water	0.81	ug/L	3.432853	0.116224	
Raw Data:	3.36451	3.56705	3.36700						
Di-n-octyl phthalate				Water	1.89	ug/L	2.879747	0.271618	
Raw Data:	2.94242	3.11455	2.58227						
Benzo(b)fluoranthene				Water	0.22	ug/L	4.042403	0.031795	
Raw Data:	4.00587	4.06382	4.05752						
Benzo(k)fluoranthene				Water	1.34	ug/L	4.119300	0.192314	
Raw Data:	4.18481	3.90279	4.27030						
Benzo(a)pyrene				Water	1.45	ug/L	3.847527	0.207698	
Raw Data:	3.60787	3.97523	3.95948						
Indeno(1,2,3-cd)pyrene				Water	0.93	ug/L	3.525617	0.133640	
Raw Data:	3.57843	3.62478	3.37364						
Dibenzo(a,h)anthracene				Water	1.08	ug/L	3.463013	0.155509	
Raw Data:	3.53976	3.56523	3.28405						

DETECTION LIMIT STUDY

Method.....:8270C
Analyst.....:Dawn May
Equipment ID.:,MSR
Analysis Date:04/14/2005(grp 1)

Date..:2005-04-18
Units.:ug/L
Batch.:47338
T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
Benzo(ghi)perylene	Water	0.69	ug/L	3.584720	0.098494	
Raw Data: 3.57489 3.68776 3.49151						

Job Number: 210038

LABORATORY TEST RESULTS

Date:07/27/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: SW-03
Date Sampled.....: 06/29/2005
Time Sampled.....: 10:40
Sample Matrix.....: Water

Laboratory Sample ID: 210038-1
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
OLC02.1	CLP BNA Extractable Organics											
	Phenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Bis(2-chloroethyl)ether	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	2-Chlorophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	2-Methylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	2,2-oxybis (1-chloropropane)	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	4-Methylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	n-Nitroso-di-n-propylamine	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Hexachloroethane	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Nitrobenzene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Isophorone	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	2-Nitrophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	2,4-Dimethylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Bis(2-chloroethoxy)methane	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	2,4-Dichlorophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Naphthalene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	4-Chloroaniline	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Hexachlorobutadiene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	4-Chloro-3-methylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	2-Methylnaphthalene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Hexachlorocyclopentadiene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	2,4,6-Trichlorophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	2,4,5-Trichlorophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0028	jdw
	2-Chloronaphthalene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	2-Nitroaniline	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0028	jdw
	Dimethyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Acenaphthylene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	2,6-Dinitrotoluene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	3-Nitroaniline	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0028	jdw

* In Description = Dry Wgt.

STL-Connecticut

LABORATORY TEST RESULTS

Job Number: 210038

Date:07/27/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: SW-03
Date Sampled.....: 06/29/2005
Time Sampled.....: 10:40
Sample Matrix.....: Water

Laboratory Sample ID: 210038-1
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Acenaphthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	2,4-Dinitrophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0028	jdw
	4-Nitrophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0028	jdw
	Dibenzofuran	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	2,4-Dinitrotoluene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Diethyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	4-Chlorophenyl phenyl ether	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Fluorene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	4-Nitroaniline	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0028	jdw
	4,6-Dinitro-2-methylphenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0028	jdw
	n-Nitrosodiphenylamine	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	4-Bromophenyl phenyl ether	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Hexachlorobenzene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Pentachlorophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0028	jdw
	Phenanthrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Anthracene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Di-n-butyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Fluoranthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Pyrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Butyl benzyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	3,3-Dichlorobenzidine	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Benzo(a)anthracene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Chrysene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Bis(2-ethylhexyl)phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Di-n-octyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Benzo(b)fluoranthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Benzo(k)fluoranthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Benzo(a)pyrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Indeno(1,2,3-cd)pyrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw

* In Description = Dry Wgt.

Job Number: 210038

LABORATORY TEST RESULTS

Date:07/27/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: SW-03
Date Sampled.....: 06/29/2005
Time Sampled.....: 10:40
Sample Matrix.....: Water

Laboratory Sample ID: 210038-1
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibenzo(a,h)anthracene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw
	Benzo(ghi)perylene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0028	jdw

* In Description = Dry Wgt.

1F

EPA SAMPLE NO.

SW-03

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Matrix: (soil/water) WATER Lab Sample ID: 210038-1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R9598

Level: (low/med) LOW Date Received: 06/30/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/20/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/26/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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20.					
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22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I SV-TIC

STL-INC

Semivolatile REPORT OLM Compounds

Data file : \\target1_ct\Files\chem\BNA\msr.i\R059586.b\R9598.D
Lab Smp Id: 210038-1 Client Smp ID: SW-03
Inj Date : 26-JUL-2005 00:28 MS Autotune Date: 13-APR-2005 12:30
Operator : e. martin Inst ID: msr.i
Smp Info : 210038-1
Misc Info : : ;51992;0.500
Comment :
Method : \\Target1_ct\Files\chem\BNA\msr.i\R059586.b\Msrolc2.m
Meth Date : 27-Jul-2005 07:25 joan Quant Type: ISTD
Cal Date : 25-JUL-2005 19:57 Cal File: R9590.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: olc2.sub
Target Version: 4.10
Processing Host: CONMSU

Concentration Formula: Amt * DF * Uf * Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1	1,4-Dichlorobenzene-d4	152	5.134	5.136	(1.000)	210835	20.0000	
$ 2	2-Fluorophenol	112	3.925	3.927	(0.765)	403853	34.1270	34
$ 3	Phenol-d5	99	4.859	4.874	(0.946)	497849	33.4193	33
* 20	Naphthalene-d8	136	6.390	6.392	(1.000)	701565	20.0000	
$ 21	Nitrobenzene-d5	82	5.705	5.713	(0.893)	424917	34.4174	34
* 35	Acenaphthene-d10	164	8.136	8.145	(1.000)	378702	20.0000	
$ 40	2-Fluorobiphenyl	172	7.472	7.480	(0.918)	727564	35.9919	36
$ 56	2,4,6-Tribromophenol	330	8.936	8.944	(1.098)	953525	123.082	120(A)
* 57	Phenanthrene-d10	188	9.594	9.602	(1.000)	552525	20.0000	
* 70	Chrysene-d12	240	13.140	13.155	(1.000)	413521	20.0000	
$ 73	Terphenyl-d14	244	11.354	11.362	(0.864)	410380	26.7259	27
* 79	Perylene-d12	264	16.465	16.480	(1.000)	575509	20.0000	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

STL-INC

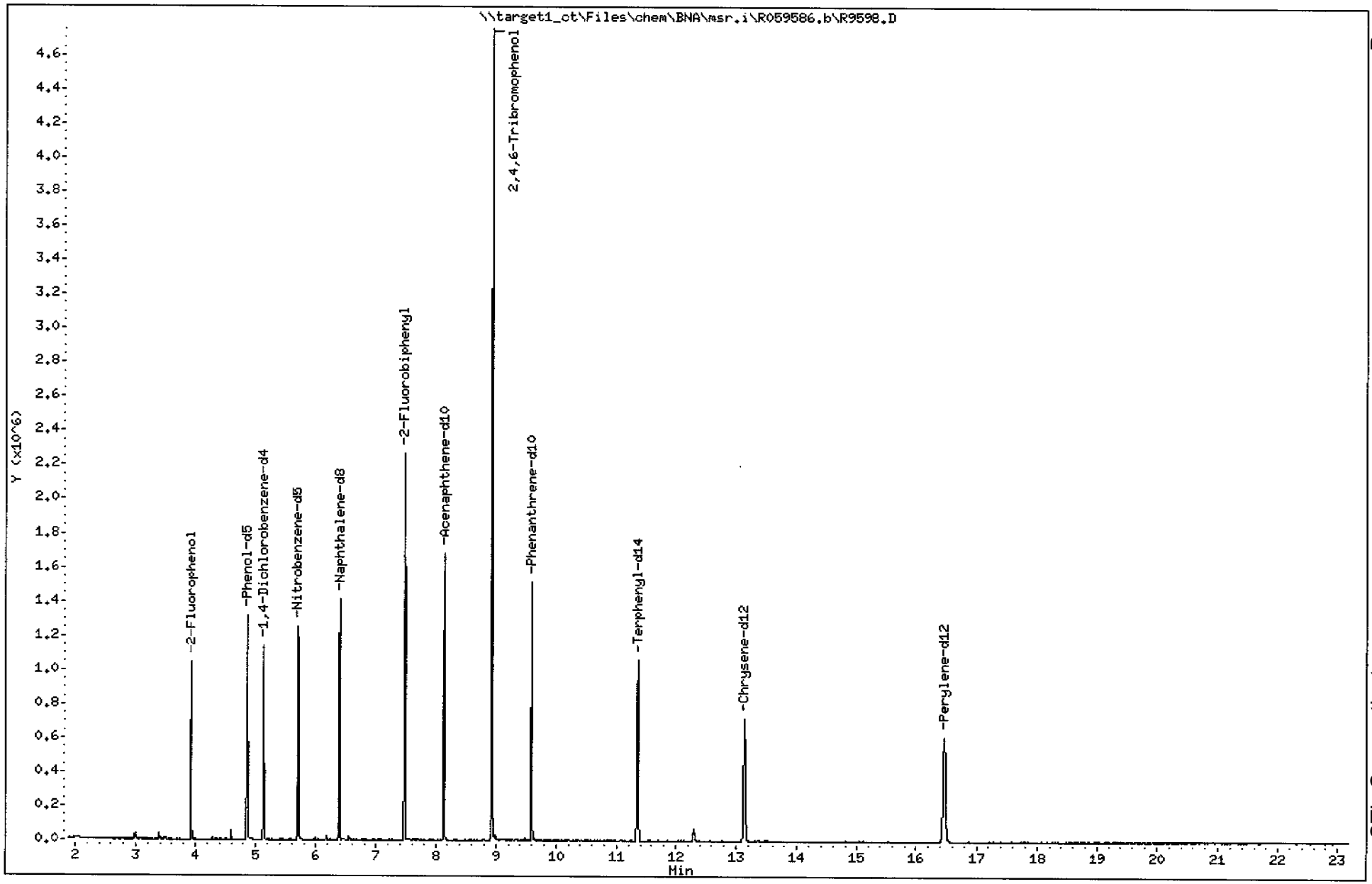
Semivolatile REPORT OLM Compounds

Data file : \\target1_ct\Files\chem\BNA\msr.i\R059586.b\R9598.D
Lab Smp Id: 210038-1 Client Smp ID: SW-03
Inj Date : 26-JUL-2005 00:28 MS Autotune Date: 13-APR-2005 12:30
Operator : e. martin Inst ID: msr.i
Smp Info : 210038-1
Misc Info : : ;51992;0.500
Comment :
Method : \\Target1_ct\Files\chem\BNA\msr.i\R059586.b\Msrolc2.m
Meth Date : 27-Jul-2005 07:25 joan Quant Type: ISTD
Cal Date : 25-JUL-2005 19:57 Cal File: R9590.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: olc2.sub
Target Version: 4.10
Processing Host: CONMSU

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\target1_ct\Files\chem\BNA\msr.i\R059586.b\R9598.D
Date : 26-JUL-2005 00:28
Client ID: SW-03
Sample Info: 210038-1
Volume Injected (uL): 1.0
Column phase: RTX-5

Instrument: msr.i
Operator: e. martin
Column diameter: 0.25



STL-Connecticut

LABORATORY TEST RESULTS

Job Number: 210038

Date:07/27/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: SW-02
Date Sampled.....: 06/29/2005
Time Sampled.....: 10:55
Sample Matrix.....: Water

Laboratory Sample ID: 210038-2
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
OLC02.1	CLP BNA Extractable Organics											
	Phenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Bis(2-chloroethyl)ether	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	2-Chlorophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	2-Methylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	2,2-oxybis (1-chloropropane)	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	4-Methylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	n-Nitroso-di-n-propylamine	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Hexachloroethane	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Nitrobenzene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Isophorone	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	2-Nitrophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	2,4-Dimethylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Bis(2-chloroethoxy)methane	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	2,4-Dichlorophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Naphthalene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	4-Chloroaniline	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Hexachlorobutadiene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	4-Chloro-3-methylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	2-Methylnaphthalene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Hexachlorocyclopentadiene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	2,4,6-Trichlorophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	2,4,5-Trichlorophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0101	jdw
	2-Chloronaphthalene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	2-Nitroaniline	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0101	jdw
	Dimethyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Acenaphthylene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	2,6-Dinitrotoluene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	3-Nitroaniline	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0101	jdw

* In Description = Dry Wgt.

Job Number: 210038

LABORATORY TEST RESULTS

Date:07/27/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: SW-02
Date Sampled.....: 06/29/2005
Time Sampled.....: 10:55
Sample Matrix.....: Water

Laboratory Sample ID: 210038-2
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Acenaphthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	2,4-Dinitrophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0101	jdw
	4-Nitrophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0101	jdw
	Dibenzofuran	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	2,4-Dinitrotoluene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Diethyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	4-Chlorophenyl phenyl ether	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Fluorene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	4-Nitroaniline	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0101	jdw
	4,6-Dinitro-2-methylphenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0101	jdw
	n-Nitrosodiphenylamine	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	4-Bromophenyl phenyl ether	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Hexachlorobenzene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Pentachlorophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0101	jdw
	Phenanthrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Anthracene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Di-n-butyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Fluoranthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Pyrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Butyl benzyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	3,3-Dichlorobenzidine	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Benzo(a)anthracene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Chrysene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Bis(2-ethylhexyl)phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Di-n-octyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Benzo(b)fluoranthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Benzo(k)fluoranthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Benzo(a)pyrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Indeno(1,2,3-cd)pyrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 210038

Date:07/27/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: SW-02
Date Sampled.....: 06/29/2005
Time Sampled.....: 10:55
Sample Matrix.....: Water

Laboratory Sample ID: 210038-2
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibenzo(a,h)anthracene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw
	Benzo(ghi)perylene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0101	jdw

* In Description = Dry Wgt.

1F

EPA SAMPLE NO.

SW-02

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Matrix: (soil/water) WATER Lab Sample ID: 210038-2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R9599

Level: (low/med) LOW Date Received: 06/30/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/20/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/26/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
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26.					
27.					
28.					
29.					
30.					

FORM I SV-TIC

STL-INC

Semivolatile REPORT OLM Compounds

Data file : \\target1_ct\Files\chem\BNA\msr.i\R059586.b\R9599.D
Lab Smp Id: 210038-2 Client Smp ID: SW-02
Inj Date : 26-JUL-2005 01:01 MS Autotune Date: 13-APR-2005 12:30
Operator : e. martin Inst ID: msr.i
Smp Info : 210038-2
Misc Info : : ;51992;0.500
Comment :
Method : \\Target1_ct\Files\chem\BNA\msr.i\R059586.b\Msrolc2.m
Meth Date : 27-Jul-2005 07:25 joan Quant Type: ISTD
Cal Date : 25-JUL-2005 19:57 Cal File: R9590.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: olc2.sub
Target Version: 4.10
Processing Host: CONMSU

Concentration Formula: Amt * DF * Uf * Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	5.138	5.136	(1.000)	207745	20.0000	
$ 2 2-Fluorophenol	112	3.922	3.927	(0.763)	440595	37.7857	38
$ 3 Phenol-d5	99	4.863	4.874	(0.946)	567726	38.6768	39
* 20 Naphthalene-d8	136	6.387	6.392	(1.000)	712021	20.0000	
$ 21 Nitrobenzene-d5	82	5.709	5.713	(0.894)	448279	35.7765	36
* 35 Acenaphthene-d10	164	8.140	8.145	(1.000)	381424	20.0000	
$ 40 2-Fluorobiphenyl	172	7.469	7.480	(0.917)	806617	39.6178	40
$ 56 2,4,6-Tribromophenol	330	8.933	8.944	(1.097)	960963	123.156	120(A)
* 57 Phenanthrene-d10	188	9.591	9.602	(1.000)	565664	20.0000	
* 70 Chrysene-d12	240	13.137	13.155	(1.000)	438436	20.0000	
$ 73 Terphenyl-d14	244	11.357	11.362	(0.865)	473870	29.1069	29
* 79 Perylene-d12	264	16.462	16.480	(1.000)	572263	20.0000	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

STL-INC

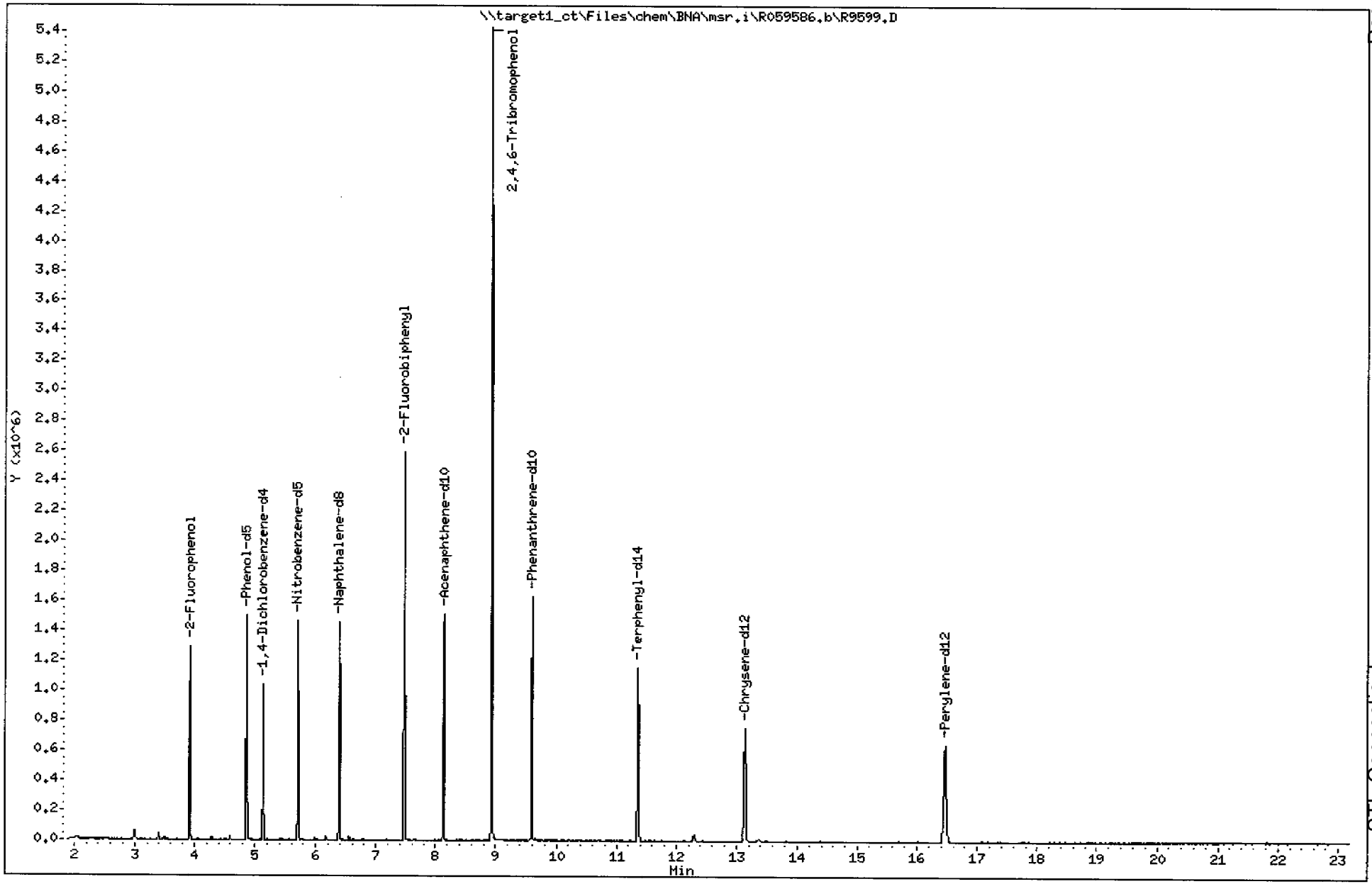
Semivolatile REPORT OLM Compounds

Data file : \\target1_ct\Files\chem\BNA\msr.i\R059586.b\R9599.D
Lab Smp Id: 210038-2 Client Smp ID: SW-02
Inj Date : 26-JUL-2005 01:01 MS Autotune Date: 13-APR-2005 12:30
Operator : e. martin Inst ID: msr.i
Smp Info : 210038-2
Misc Info : : ;51992;0.500
Comment :
Method : \\Target1_ct\Files\chem\BNA\msr.i\R059586.b\Msrolc2.m
Meth Date : 27-Jul-2005 07:25 joan Quant Type: ISTD
Cal Date : 25-JUL-2005 19:57 Cal File: R9590.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: olc2.sub
Target Version: 4.10
Processing Host: CONMSU

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\target1_ct\Files\chem\BNA\msr.i\R059586.b\R9599.D
Date : 26-JUL-2005 01:01
Client ID: SW-02
Sample Info: 210038-2
Volume Injected (uL): 1.0
Column phase: RTX-5

Instrument: msr.i
Operator: e. martin
Column diameter: 0.25



Job Number: 210038

LABORATORY TEST RESULTS

Date:07/27/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: SW-01
Date Sampled.....: 06/29/2005
Time Sampled.....: 11:10
Sample Matrix.....: Water

Laboratory Sample ID: 210038-3
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
OLC02.1	CLP BNA Extractable Organics											
	Phenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Bis(2-chloroethyl)ether	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	2-Chlorophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	2-Methylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	2,2-oxybis (1-chloropropane)	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	4-Methylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	n-Nitroso-di-n-propylamine	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Hexachloroethane	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Nitrobenzene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Isophorone	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	2-Nitrophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	2,4-Dimethylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Bis(2-chloroethoxy)methane	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	2,4-Dichlorophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Naphthalene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	4-Chloroaniline	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Hexachlorobutadiene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	4-Chloro-3-methylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	2-Methylnaphthalene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Hexachlorocyclopentadiene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	2,4,6-Trichlorophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	2,4,5-Trichlorophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0133	jdw
	2-Chloronaphthalene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	2-Nitroaniline	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0133	jdw
	Dimethyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Acenaphthylene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	2,6-Dinitrotoluene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	3-Nitroaniline	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0133	jdw

* In Description = Dry Wgt.

Job Number: 210038

LABORATORY TEST RESULTS

Date:07/27/2005

CUSTOMER: ERM | PROJECT: RAECO PRODUCTS | ATTN: Andy Coenen

Customer Sample ID: SW-01
Date Sampled.....: 06/29/2005
Time Sampled.....: 11:10
Sample Matrix.....: Water

Laboratory Sample ID: 210038-3
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Acenaphthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	2,4-Dinitrophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0133	jdw
	4-Nitrophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0133	jdw
	Dibenzofuran	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	2,4-Dinitrotoluene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Diethyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	4-Chlorophenyl phenyl ether	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Fluorene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	4-Nitroaniline	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0133	jdw
	4,6-Dinitro-2-methylphenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0133	jdw
	n-Nitrosodiphenylamine	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	4-Bromophenyl phenyl ether	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Hexachlorobenzene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Pentachlorophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0133	jdw
	Phenanthrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Anthracene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Di-n-butyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Fluoranthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Pyrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Butyl benzyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	3,3-Dichlorobenzidine	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Benzo(a)anthracene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Chrysene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Bis(2-ethylhexyl)phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Di-n-octyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Benzo(b)fluoranthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Benzo(k)fluoranthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Benzo(a)pyrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Indeno(1,2,3-cd)pyrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 210038

Date:07/27/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: SW-01
Date Sampled.....: 06/29/2005
Time Sampled.....: 11:10
Sample Matrix.....: Water

Laboratory Sample ID: 210038-3
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibenzo(a,h)anthracene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw
	Benzo(ghi)perylene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0133	jdw

* In Description = Dry Wgt.

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SW-01

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Matrix: (soil/water) WATER Lab Sample ID: 210038-3

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R9600

Level: (low/med) LOW Date Received: 06/30/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/20/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/26/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
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28.					
29.					
30.					

FORM I SV-TIC

STL-INC

Semivolatile REPORT OLM Compounds

Data file : \\target1_ct\Files\chem\BNA\msr.i\R059586.b\R9600.D
Lab Smp Id: 210038-3 Client Smp ID: SW-01
Inj Date : 26-JUL-2005 01:33 MS Autotune Date: 13-APR-2005 12:30
Operator : e. martin Inst ID: msr.i
Smp Info : 210038-3
Misc Info : : ;51992;0.500
Comment :
Method : \\Target1_ct\Files\chem\BNA\msr.i\R059586.b\Msrolc2.m
Meth Date : 27-Jul-2005 07:25 joan Quant Type: ISTD
Cal Date : 25-JUL-2005 19:57 Cal File: R9590.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: olc2.sub
Target Version: 4.10
Processing Host: CONMSU

Concentration Formula: Amt * DF * Uf * Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1	1,4-Dichlorobenzene-d4	152	5.136	5.136	(1.000)	227096	20.0000	
$ 2	2-Fluorophenol	112	3.920	3.927	(0.763)	418100	32.8011	33
$ 3	Phenol-d5	99	4.861	4.874	(0.946)	529070	32.9720	33
* 20	Naphthalene-d8	136	6.385	6.392	(1.000)	681171	20.0000	
$ 21	Nitrobenzene-d5	82	5.707	5.713	(0.894)	437380	36.4876	36
* 35	Acenaphthene-d10	164	8.138	8.145	(1.000)	399743	20.0000	
$ 40	2-Fluorobiphenyl	172	7.473	7.480	(0.918)	742310	34.7885	35
$ 56	2,4,6-Tribromophenol	330	8.937	8.944	(1.098)	991941	121.301	120(A)
* 57	Phenanthrene-d10	188	9.596	9.602	(1.000)	578654	20.0000	
* 70	Chrysene-d12	240	13.135	13.155	(1.000)	446812	20.0000	
$ 73	Terphenyl-d14	244	11.355	11.362	(0.865)	612162	36.8965	37
* 79	Perylene-d12	264	16.460	16.480	(1.000)	587342	20.0000	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

STL-INC

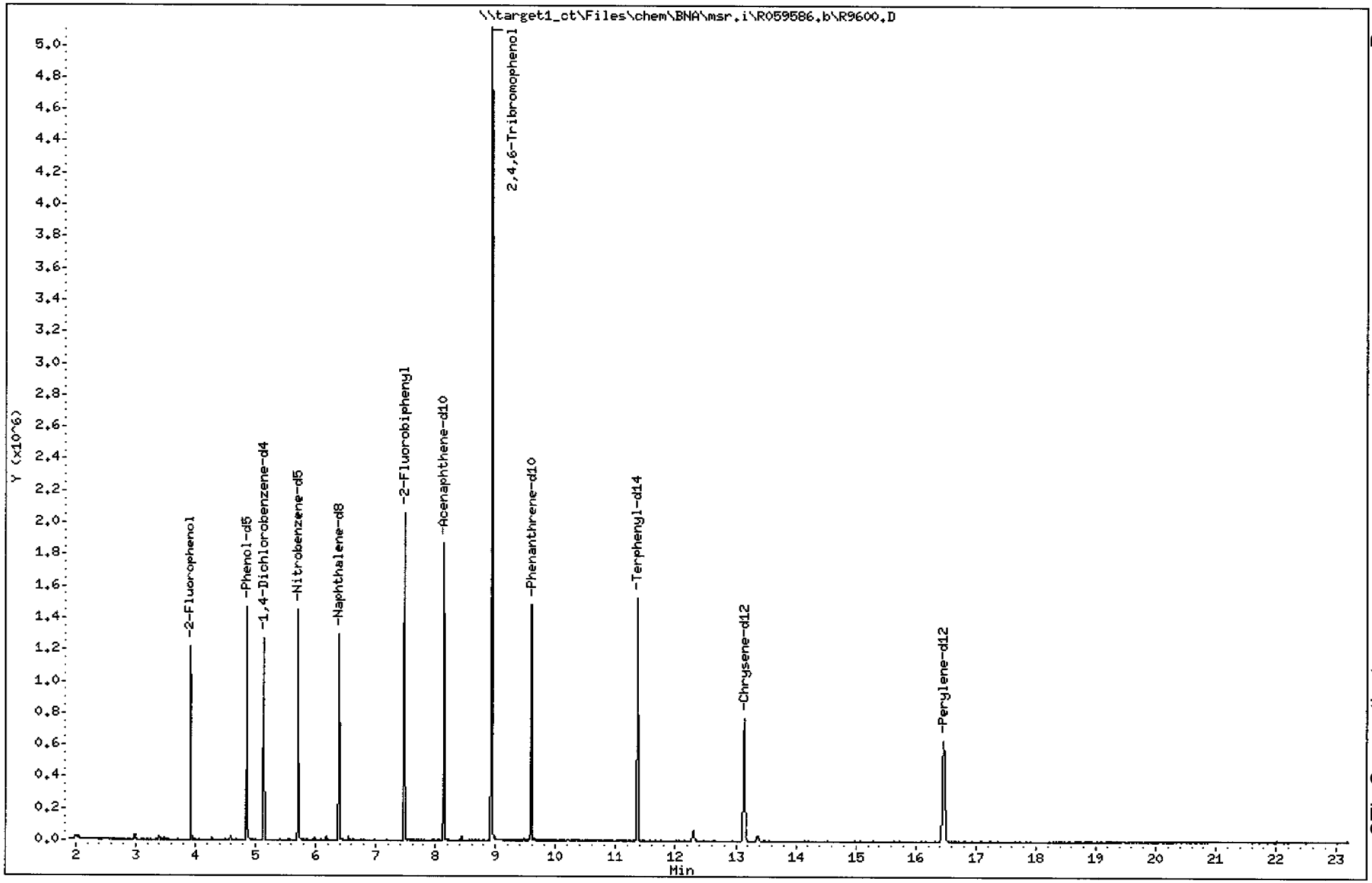
Semivolatile REPORT OLM Compounds

Data file : \\target1_ct\Files\chem\BNA\msr.i\R059586.b\R9600.D
Lab Smp Id: 210038-3 Client Smp ID: SW-01
Inj Date : 26-JUL-2005 01:33 MS Autotune Date: 13-APR-2005 12:30
Operator : e. martin Inst ID: msr.i
Smp Info : 210038-3
Misc Info : : ;51992;0.500
Comment :
Method : \\Target1_ct\Files\chem\BNA\msr.i\R059586.b\Msrolc2.m
Meth Date : 27-Jul-2005 07:25 joan Quant Type: ISTD
Cal Date : 25-JUL-2005 19:57 Cal File: R9590.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: olc2.sub
Target Version: 4.10
Processing Host: CONMSU

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\target1_ct\Files\chem\BNA\msr.i\R059586.b\R9600.D
Date : 26-JUL-2005 01:33
Client ID: SW-01
Sample Info: 210038-3
Volume Injected (uL): 1.0
Column phase: RTX-5

Instrument: msr.i
Operator: e. martin
Column diameter: 0.25



STL-Connecticut

Job Number: 210038

LABORATORY TEST RESULTS

Date:07/27/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: DUP062905
Date Sampled.....: 06/29/2005
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 210038-4
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
OLC02.1	CLP BNA Extractable Organics											
	Phenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Bis(2-chloroethyl)ether	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	2-Chlorophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	2-Methylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	2,2-oxybis (1-chloropropane)	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	4-Methylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	n-Nitroso-di-n-propylamine	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Hexachloroethane	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Nitrobenzene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Isophorone	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	2-Nitrophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	2,4-Dimethylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Bis(2-chloroethoxy)methane	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	2,4-Dichlorophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Naphthalene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	4-Chloroaniline	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Hexachlorobutadiene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	4-Chloro-3-methylphenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	2-Methylnaphthalene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Hexachlorocyclopentadiene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	2,4,6-Trichlorophenol	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	2,4,5-Trichlorophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0312	jdw
	2-Chloronaphthalene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	2-Nitroaniline	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0312	jdw
	Dimethyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Acenaphthylene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	2,6-Dinitrotoluene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	3-Nitroaniline	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0312	jdw

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* In Description = Dry Wgt.

Job Number: 210038

LABORATORY TEST RESULTS

Date:07/27/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: DUP062905
Date Sampled.....: 06/29/2005
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 210038-4
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Acenaphthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	2,4-Dinitrophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0312	jdw
	4-Nitrophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0312	jdw
	Dibenzofuran	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	2,4-Dinitrotoluene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Diethyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	4-Chlorophenyl phenyl ether	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Fluorene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	4-Nitroaniline	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0312	jdw
	4,6-Dinitro-2-methylphenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0312	jdw
	n-Nitrosodiphenylamine	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	4-Bromophenyl phenyl ether	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Hexachlorobenzene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Pentachlorophenol	ND	U		0.5	20	1.00000	ug/L	52165		07/26/05 0312	jdw
	Phenanthrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Anthracene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Di-n-butyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Fluoranthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Pyrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Butyl benzyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	3,3-Dichlorobenzidine	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Benzo(a)anthracene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Chrysene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Bis(2-ethylhexyl)phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Di-n-octyl phthalate	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Benzo(b)fluoranthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Benzo(k)fluoranthene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Benzo(a)pyrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Indeno(1,2,3-cd)pyrene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw

* In Description = Dry Wgt.

Job Number: 210038

LABORATORY TEST RESULTS

Date:07/27/2005

CUSTOMER: ERM | PROJECT: RAECO PRODUCTS | ATTN: Andy Coenen

Customer Sample ID: DUP062905
Date Sampled.....: 06/29/2005
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 210038-4
Date Received.....: 06/30/2005
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibenzo(a,h)anthracene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw
	Benzo(ghi)perylene	ND	U		0.5	5	1.00000	ug/L	52165		07/26/05 0312	jdw

* In Description = Dry Wgt.

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DUP062905

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Matrix: (soil/water) WATER Lab Sample ID: 210038-4

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R9603

Level: (low/med) LOW Date Received: 06/30/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/20/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/26/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	7.01	2	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I SV-TIC

STL-INC

Semivolatile REPORT OLM Compounds

Data file : \\target1_ct\Files\chem\BNA\msr.i\R059586.b\R9603.D
Lab Smp Id: 210038-4 Client Smp ID: DUP062905
Inj Date : 26-JUL-2005 03:12 MS Autotune Date: 13-APR-2005 12:30
Operator : e. martin Inst ID: msr.i
Smp Info : 210038-4
Misc Info : : ;51992;0.500
Comment :
Method : \\Target1_ct\Files\chem\BNA\msr.i\R059586.b\Msrolc2.m
Meth Date : 27-Jul-2005 07:25 joan Quant Type: ISTD
Cal Date : 25-JUL-2005 19:57 Cal File: R9590.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: olc2.sub
Target Version: 4.10
Processing Host: CONMSU

Concentration Formula: Amt * DF * Uf * Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1	1,4-Dichlorobenzene-d4	152	5.133	5.136	(1.000)	257169	20.0000	
$ 2	2-Fluorophenol	112	3.924	3.927	(0.764)	487008	33.7393	34
$ 3	Phenol-d5	99	4.864	4.874	(0.948)	341090	18.7712	19
* 20	Naphthalene-d8	136	6.389	6.392	(1.000)	848955	20.0000	
$ 21	Nitrobenzene-d5	82	5.710	5.713	(0.894)	532044	35.6127	36
* 35	Acenaphthene-d10	164	8.142	8.145	(1.000)	451924	20.0000	
$ 40	2-Fluorobiphenyl	172	7.470	7.480	(0.918)	940548	38.9894	39
$ 56	2,4,6-Tribromophenol	330	8.934	8.944	(1.097)	1199205	129.714	130(A)
* 57	Phenanthrene-d10	188	9.592	9.602	(1.000)	675218	20.0000	
* 70	Chrysene-d12	240	13.139	13.155	(1.000)	503825	20.0000	
$ 73	Terphenyl-d14	244	11.359	11.362	(0.865)	396634	21.2009	21
* 79	Perylene-d12	264	16.463	16.480	(1.000)	302670	20.0000	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

STL-INC

Semivolatile REPORT OLM Compounds

Data file : \\target1_ct\Files\chem\BNA\msr.i\R059586.b\R9603.D
Lab Smp Id: 210038-4 Client Smp ID: DUP062905
Inj Date : 26-JUL-2005 03:12 MS Autotune Date: 13-APR-2005 12:30
Operator : e. martin Inst ID: msr.i
Smp Info : 210038-4
Misc Info : : ;51992;0.500
Comment :
Method : \\Target1_ct\Files\chem\BNA\msr.i\R059586.b\Msrolc2.m
Meth Date : 27-Jul-2005 07:25 joan Quant Type: ISTD
Cal Date : 25-JUL-2005 19:57 Cal File: R9590.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: olc2.sub
Target Version: 4.10
Processing Host: CONMSU

Concentration Formula: Amt * DF * Uf * Vt/(Vo*Vi)

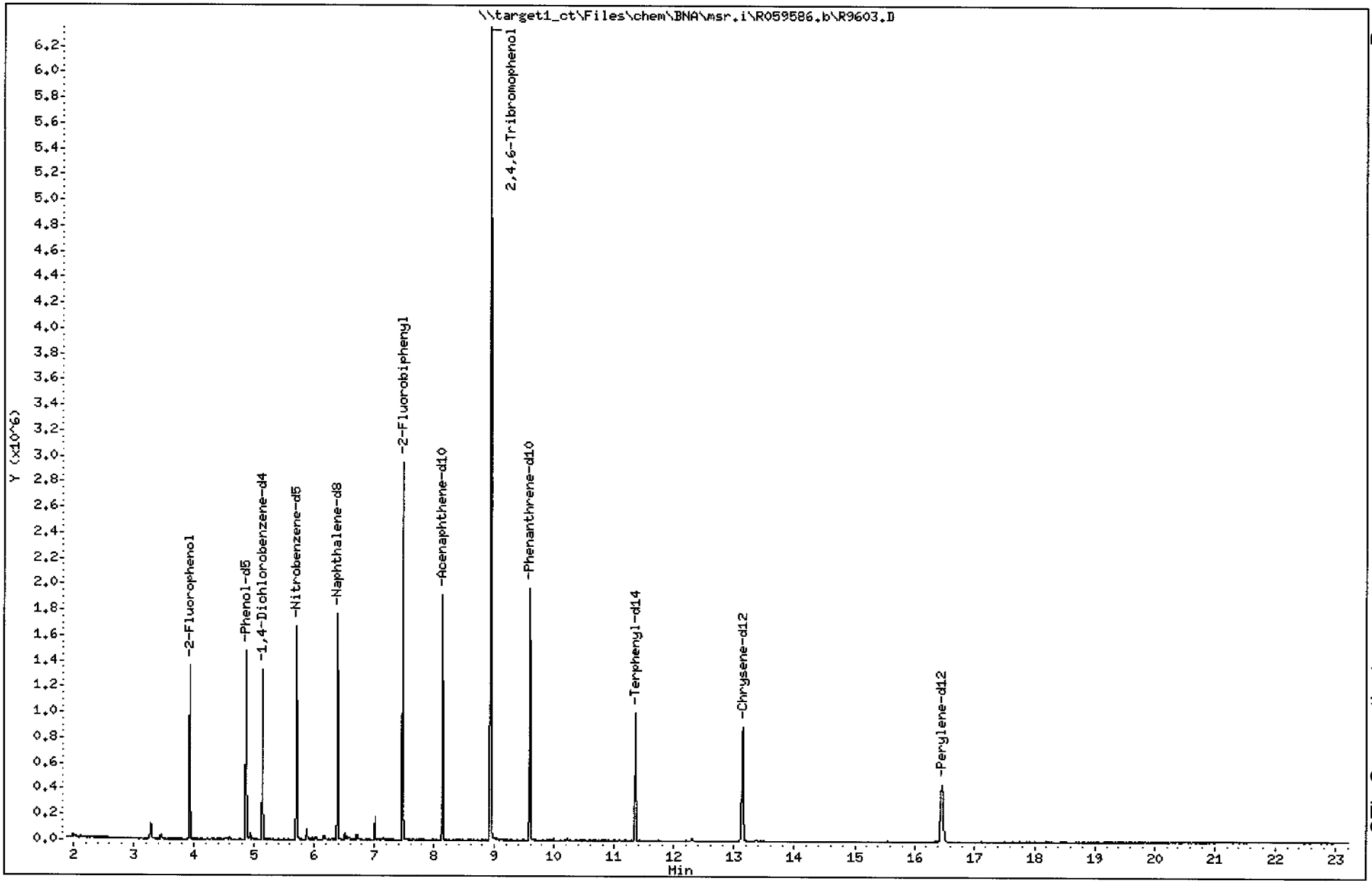
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

ISTD	RT	AREA	AMOUNT
* 20 Naphthalene-d8	6.389	1615199	20.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(NG)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
7.014	173581	2.14934436	2	0		0	20

Data File: \\target1_ct\Files\chem\BNA\msr.i\R059586.b\R9603.D
Date : 26-JUL-2005 03:12
Client ID: DUP062905
Sample Info: 210038-4
Volume Injected (uL): 1.0
Column phase: RTX-5

Instrument: msr.i
Operator: e. martin
Column diameter: 0.25



Data File: \\target1_ct\Files\chem\BNA\msr.i\R059586.b\R9603.D

Date : 26-JUL-2005 03:12

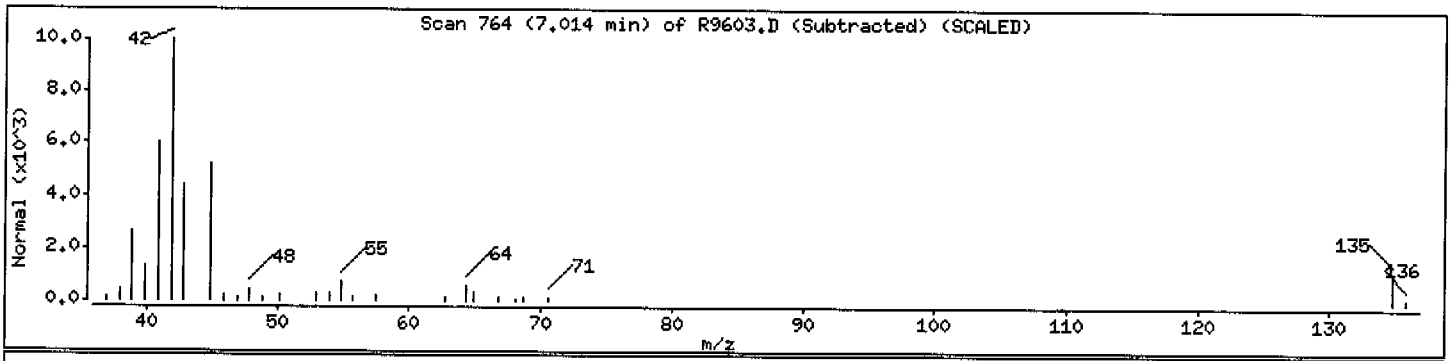
Client ID: DUP062905 Instrument: msr.i

Sample Info: 210038-4

Volume Injected (uL): 1.0 Operator: e. martin

Column phase: RTX-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Instrument ID: MSR Calibration Date(s): 07/25/05 07/25/05

Calibration Time(s): 1957 2216

LAB FILE ID: RRF5 =R9591 RRF10 =R9592
RRF20 =R9590 RRF50 =R9593 RRF80 =R9594

COMPOUND		RRF5	RRF10	RRF20	RRF50	RRF80	$\overline{RRF}$	% RSD	
Phenol	*	1.499	1.562	1.436	1.562	1.499	1.512	3.5*	
bis(2-Chloroethyl)ether	*	0.865	0.799	0.774	0.759	0.773	0.794	5.3*	
2-Chlorophenol	*	1.265	1.307	1.168	1.296	1.237	1.255	4.4*	
2-Methylphenol	*	0.960	1.029	0.929	1.002	0.984	0.981	3.9*	
2,2'-oxybis(1-Chloropropane)		1.574	1.580	1.544	1.511	1.482	1.538	2.7	
N-Nitroso-di-n-propylamine	*	0.661	0.701	0.636	0.693	0.670	0.672	3.9*	
4-Methylphenol	*	1.094	1.092	1.048	1.119	1.007	1.072	4.1*	
Hexachloroethane	*	0.762	0.826	0.771	0.802	0.784	0.789	3.3*	
Nitrobenzene	*	0.326	0.330	0.324	0.302	0.341	0.325	4.4*	
Isophorone	*	0.606	0.607	0.585	0.587	0.638	0.605	3.6*	
2-Nitrophenol	*	0.218	0.210	0.213	0.221	0.241	0.221	5.5*	
2,4-Dimethylphenol	*	0.286	0.296	0.290	0.277	0.294	0.289	2.6*	
Bis(2-Chloroethoxy)methane	*	0.441	0.438	0.405	0.428	0.450	0.432	4.0*	
2,4-Dichlorophenol	*	0.330	0.326	0.329	0.339	0.363	0.337	4.5*	
Naphthalene	*	0.963	0.978	0.905	0.938	0.946	0.946	2.9*	
4-Chloroaniline		0.460	0.499	0.493	0.511	0.483	0.489	3.9	
Hexachlorobutadiene		0.126	0.138	0.124	0.133	0.137	0.132	4.7	
4-Chloro-3-methylphenol	*	0.242	0.266	0.247	0.248	0.276	0.256	5.7*	
2-Methylnaphthalene	*	0.553	0.592	0.555	0.569	0.604	0.575	4.0*	
Hexachlorocyclopentadiene		0.170	0.206	0.213	0.270	0.303	0.232	22.9	
2,4,6-Trichlorophenol	*	0.344	0.353	0.321	0.346	0.381	0.349	6.2*	
2,4,5-Trichlorophenol	*	0.362	0.383	0.345	0.366	0.375	0.366	3.9*	
2-Chloronaphthalene	*	1.157	1.282	1.134	1.204	1.245	1.204	5.1*	
2-Nitroaniline		0.320	0.336	0.304	0.311	0.353	0.325	6.0	
Acenaphthylene	*	2.024	1.894	1.894	1.952	2.015	1.956	3.2*	
2,6-Dinitrotoluene	*	0.276	0.290	0.286	0.309	0.312	0.295	5.2*	
3-Nitroaniline		0.403	0.401	0.387	0.394	0.399	0.397	1.6	
Acenaphthene	*	1.126	1.225	1.042	1.132	1.180	1.141	6.0*	
2,4-Dinitrophenol		0.144	0.183	0.185	0.202	0.220	0.187	15.2	
Dibenzofuran	*	1.643	1.672	1.465	1.518	1.706	1.601	6.5*	
2,4-Dinitrotoluene	*	0.402	0.440	0.382	0.412	0.452	0.418	6.8*	
Fluorene	*	1.204	1.314	1.129	1.158	1.117	1.184	6.7*	
Dimethylphthalate		1.308	1.311	1.230	1.256	1.348	1.291	3.7	
Diethylphthalate		1.368	1.456	1.240	1.414	1.458	1.387	6.5	
4-Chlorophenyl-phenylether	*	0.392	0.411	0.364	0.377	0.354	0.380	6.0*	<-
4-Nitroaniline		0.383	0.383	0.351	0.344	0.352	0.363	5.2	
4,6-Dinitro-2-methylphenol		0.125	0.149	0.155	0.149	0.152	0.146	8.3	

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM VI SV-1

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Instrument ID: MSR Calibration Date(s): 07/25/05 07/25/05

Calibration Time(s): 1957 2216

LAB FILE ID: RRF5 =R9591 RRF10 =R9592
RRF20 =R9590 RRF50 =R9593 RRF80 =R9594

COMPOUND		RRF5	RRF10	RRF20	RRF50	RRF80	$\overline{RRF}$	% RSD	
N-Nitrosodiphenylamine (1)		0.540	0.530	0.521	0.514	0.542	0.529	2.3	
4-Bromophenyl-phenylether	*	0.197	0.210	0.196	0.197	0.208	0.202	3.5*	
Hexachlorobenzene	*	0.417	0.447	0.406	0.416	0.404	0.418	4.1*	
Pentachlorophenol	*	0.065	0.135	0.153	0.174	0.171	0.140	31.9*	<-
Phenanthrene	*	1.102	1.177	1.076	1.143	1.112	1.122	3.5*	
Anthracene	*	1.090	1.223	1.101	1.160	1.113	1.137	4.8*	
Di-n-butylphthalate		1.849	1.969	1.744	1.871	1.901	1.867	4.4	
Fluoranthene	*	0.962	1.069	0.956	0.986	0.992	0.993	4.5*	
Pyrene	*	1.429	1.385	1.380	1.408	1.373	1.395	1.7*	
Butylbenzylphthalate		1.015	1.067	1.028	1.121	1.082	1.063	4.0	
Benzo(a)anthracene	*	1.094	1.030	0.977	1.049	1.056	1.041	4.1*	
3,3'-Dichlorobenzidine		0.431	0.300	0.259	0.324	0.382	0.339	20.0	
Chrysene	*	1.035	0.981	0.913	1.003	1.025	0.991	4.9*	
Bis(2-Ethylhexyl)phthalate		1.376	1.391	1.320	1.448	1.441	1.395	3.7	
Di-n-octylphthalate		1.516	1.720	1.608	1.789	1.730	1.673	6.5	
Benzo(b)fluoranthene	*	1.032	0.934	0.782	0.949	0.865	0.912	10.3*	
Benzo(k)fluoranthene	*	0.942	1.087	0.917	1.026	0.862	0.967	9.3*	
Benzo(a)pyrene	*	0.874	0.957	0.810	0.916	0.920	0.895	6.3*	
Indeno(1,2,3-cd)pyrene	*	1.119	1.154	1.074	1.202	1.291	1.168	7.1*	
Dibenzo(a,h)anthracene	*	0.970	1.061	0.896	1.069	1.101	1.019	8.3*	
Benzo(g,h,i)perylene	*	1.206	1.276	1.088	1.249	1.313	1.226	7.1*	
4-Nitrophenol		0.136	0.167	0.149	0.150	0.172	0.155	9.4	
2-Fluorophenol	*	1.192	1.176	1.122	1.199	1.139	1.166	2.9*	
Phenol-d5	*	1.370	1.553	1.413	1.513	1.499	1.470	5.1*	
Nitrobenzene-d5		0.327	0.357	0.352	0.349	0.380	0.353	5.3	
2-Fluorobiphenyl	*	1.222	1.248	1.068	1.150	1.169	1.171	6.0*	
2,4,6-Tribromophenol		0.438	0.472	0.409	0.442	0.455	0.443	5.3	
Terphenyl-d14	*	0.762	0.750	0.743	0.791	0.735	0.756	2.9*	

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM VI SV-2

STL-Connecticut

Semivolatile REPORT OLM Compounds

Data file : \\target1_ct\files\chem\BNA\msr.i\R059586.b\R9590.D
Lab Smp Id: OLC120/80 Client Smp ID: OLC120/80
Inj Date : 25-JUL-2005 19:57 MS Autotune Date: 13-APR-2005 12:30
Operator : e. martin Inst ID: msr.i
Smp Info : OLC120/80
Misc Info : : MB ;51992;0.500
Comment :
Method : \\target1_ct\files\chem\BNA\msr.i\R059586.b\Msrolc2.m
Meth Date : 25-Jul-2005 22:44 liz Quant Type: ISTD
Cal Date : 25-JUL-2005 19:57 Cal File: R9590.D
Als bottle: 26 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: olc2.sub
Target Version: 4.10
Processing Host: CONMSRNT

Concentration Formula: Amt * DF * Uf * Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	5.135	5.136	(1.000)	231418	20.0000	
$	2 2-Fluorophenol	112	3.926	3.927	(0.765)	259782	20.0000	19
$	3 Phenol-d5	99	4.860	4.874	(0.946)	327028	20.0000	20
	7 Phenol	94	4.873	4.880	(0.949)	332289	20.0000	20(H)
	9 bis(2-Chloroethyl)ether	63	4.920	4.927	(0.958)	179129	20.0000	19(H)
	10 2-Chlorophenol	128	4.967	4.974	(0.967)	270270	20.0000	19
	15 2,2'-oxybis(1-Chloropropane)	45	5.451	5.451	(1.061)	357432	20.0000	20
	16 2-Methylphenol	108	5.438	5.445	(1.059)	215024	20.0000	20
	17 Hexachloroethane	117	5.626	5.633	(1.095)	178368	20.0000	20
	18 N-Nitroso-di-n-propylamine	70	5.585	5.599	(1.088)	147169	20.0000	20
	19 4-Methylphenol	108	5.579	5.592	(1.086)	242492	20.0000	20
*	20 Naphthalene-d8	136	6.391	6.392	(1.000)	724589	20.0000	
$	21 Nitrobenzene-d5	82	5.706	5.713	(0.893)	255023	20.0000	21
	22 Nitrobenzene	77	5.726	5.733	(0.896)	234774	20.0000	20
	23 Isophorone	82	5.948	5.962	(0.931)	424132	20.0000	20
	24 2-Nitrophenol	139	6.042	6.049	(0.945)	154649	20.0000	20
	25 2,4-Dimethylphenol	107	6.089	6.096	(0.953)	210505	20.0000	20
	27 Bis(2-Chloroethoxy)methane	93	6.176	6.183	(0.966)	293224	20.0000	19
	28 2,4-Dichlorophenol	162	6.270	6.277	(0.981)	238674	20.0000	20
	30 Naphthalene	128	6.411	6.412	(1.003)	655874	20.0000	19(H)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
	31 4-Chloroaniline	127	6.492	6.499	(1.016)	357251	20.0000	21
	32 Hexachlorobutadiene	225	6.586	6.586	(1.030)	90258	20.0000	20
	33 4-Chloro-3-methylphenol	107	6.976	6.976	(1.091)	179245	20.0000	20
	34 2-Methylnaphthalene	142	7.090	7.090	(1.109)	401887	20.0000	20
*	35 Acenaphthene-d10	164	8.137	8.145	(1.000)	421407	20.0000	
	37 Hexachlorocyclopentadiene	237	7.311	7.312	(0.898)	89929	20.0000	22
	38 2,4,6-Trichlorophenol	196	7.399	7.406	(0.909)	135360	20.0000	19(H)
	39 2,4,5-Trichlorophenol	196	7.439	7.446	(0.914)	581544	80.0000	78
$	40 2-Fluorobiphenyl	172	7.473	7.480	(0.918)	449884	20.0000	19
	41 2-Chloronaphthalene	162	7.567	7.574	(0.930)	477931	20.0000	20
	42 2-Nitroaniline	65	7.714	7.721	(0.948)	513152	80.0000	78
	44 Dimethylphthalate	163	7.909	7.923	(0.972)	518169	20.0000	19
	43 Acenaphthylene	152	7.983	7.990	(0.981)	798142	20.0000	19
	45 2,6-Dinitrotoluene	165	7.990	7.997	(0.982)	120721	20.0000	20
	46 Acenaphthene	153	8.171	8.178	(1.004)	438967	20.0000	19
	47 3-Nitroaniline	138	8.131	8.138	(0.999)	652333	80.0000	78
	48 2,4-Dinitrophenol	184	8.232	8.239	(1.012)	311286	80.0000	90(A)
	49 Dibenzofuran	168	8.326	8.333	(1.023)	617328	20.0000	19
	50 2,4-Dinitrotoluene	165	8.373	8.386	(1.029)	160964	20.0000	39(M)
	51 4-Nitrophenol	109	8.305	8.319	(1.021)	250884	80.0000	84(A)
	52 Fluorene	166	8.668	8.675	(1.065)	475899	20.0000	19
	53 4-Chlorophenyl-phenylether	204	8.661	8.668	(1.064)	153522	20.0000	19
	54 Diethylphthalate	149	8.608	8.615	(1.058)	522514	20.0000	19
	55 4-Nitroaniline	138	8.742	8.762	(1.074)	591578	80.0000	76
$	56 2,4,6-Tribromophenol	330	8.937	8.944	(1.098)	689657	80.0000	77
*	57 Phenanthrene-d10	188	9.595	9.602	(1.000)	568699	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.776	8.796	(0.915)	352889	80.0000	89(A)
	59 N-Nitrosodiphenylamine (1)	169	8.796	8.803	(0.917)	296185	20.0000	20
	61 4-Bromophenyl-phenylether	248	9.145	9.152	(0.953)	111220	20.0000	20
	62 Hexachlorobenzene	284	9.293	9.300	(0.969)	231032	20.0000	20
	63 Pentachlorophenol	266	9.474	9.482	(0.987)	348972	80.0000	110(A)
	64 Phenanthrene	178	9.615	9.622	(1.002)	611768	20.0000	20(H)
	66 Anthracene	178	9.662	9.669	(1.007)	626373	20.0000	20
	67 Di-n-butylphthalate	149	10.206	10.213	(1.064)	991752	20.0000	19
	68 Fluoranthene	202	10.851	10.865	(1.131)	543613	20.0000	20
*	70 Chrysene-d12	240	13.134	13.155	(1.000)	438710	20.0000	
	72 Pyrene	202	11.133	11.147	(0.848)	605217	20.0000	20
$	73 Terphenyl-d14	244	11.348	11.362	(0.864)	325810	20.0000	20
	74 Butylbenzylphthalate	149	12.174	12.181	(0.927)	451196	20.0000	20
	75 3,3'-Dichlorobenzidine	252	13.128	13.148	(0.999)	113645	20.0000	15
	76 Benzo(a)anthracene	228	13.101	13.128	(0.997)	428734	20.0000	19(H)
	77 Chrysene	228	13.188	13.215	(1.004)	400740	20.0000	19
	78 Bis(2-Ethylhexyl)phthalate	149	13.356	13.370	(1.017)	579099	20.0000	20
*	79 Perylene-d12	264	16.466	16.480	(1.000)	607325	20.0000	
	80 Di-n-octylphthalate	149	14.800	14.821	(0.899)	976714	20.0000	21
	81 Benzo(b)fluoranthene	252	15.539	15.580	(0.944)	474862	20.0000	17(H)
	82 Benzo(k)fluoranthene	252	15.599	15.647	(0.947)	557108	20.0000	20
	83 Benzo(a)pyrene	252	16.311	16.352	(0.991)	492176	20.0000	19
	84 Indeno(1,2,3-cd)pyrene	276	19.085	19.139	(1.159)	652205	20.0000	20
	85 Dibenzo(a,h)anthracene	278	19.159	19.220	(1.164)	544272	20.0000	19
	86 Benzo(g,h,i)perylene	276	19.690	19.771	(1.196)	660817	20.0000	19

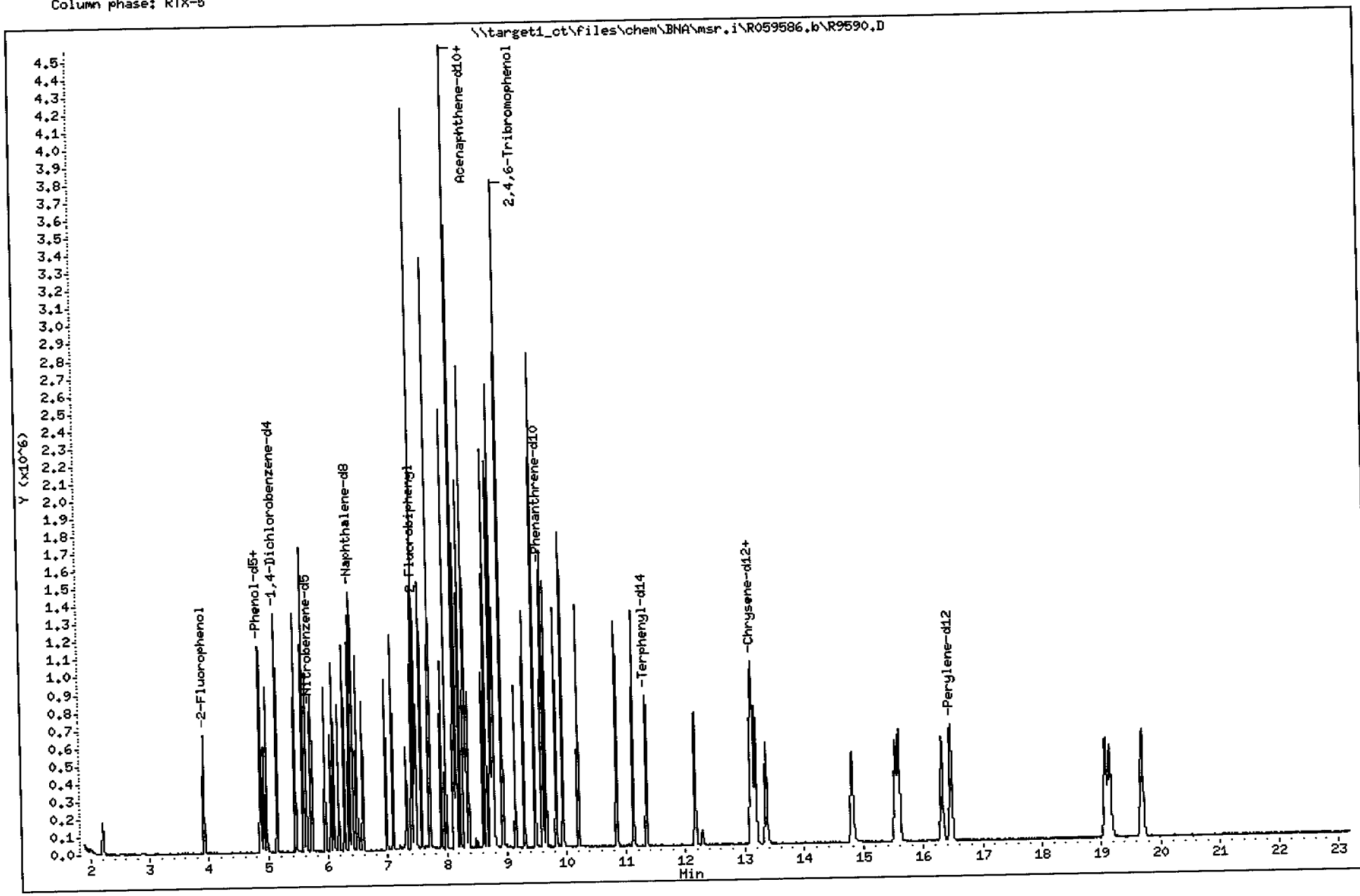
QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\target1_ct\files\chem\BNA\msr.i\R059586.b\R9590.D
Date : 25-JUL-2005 19:57
Client ID: OLC120/80
Sample Info: OLC120/80
Volume Injected (uL): 1.0
Column phase: RTX-5

Instrument: msr.i

Operator: e. martin
Column diameter: 0.25



STL-Connecticut

Semivolatile REPORT OLM Compounds

Data file : \\target1_ct\files\chem\BNA\msr.i\R059586.b\R9591.D
Lab Smp Id: OLC15/20 Client Smp ID: OLC15/20
Inj Date : 25-JUL-2005 20:30 MS Autotune Date: 13-APR-2005 12:30
Operator : e. martin Inst ID: msr.i
Smp Info : OLC15/20
Misc Info : : MB ;51992;0.500
Comment :
Method : \\target1_ct\files\chem\BNA\msr.i\R059586.b\MSROLC2.m
Meth Date : 25-Jul-2005 22:44 liz Quant Type: ISTD
Cal Date : 25-JUL-2005 19:57 Cal File: R9590.D
Als bottle: 27 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: olc2.sub
Target Version: 4.10
Processing Host: CONMSRNT

Concentration Formula: Amt * DF * Uf * Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	5.133	5.136	(1.000)	255056	20.0000	
$	2 2-Fluorophenol	112	3.924	3.927	(0.764)	76013	5.00000	5
$	3 Phenol-d5	99	4.864	4.874	(0.948)	87373	5.00000	5
	7 Phenol	94	4.871	4.880	(0.949)	95592	5.00000	5
	9 bis(2-Chloroethyl)ether	63	4.924	4.927	(0.959)	55135	5.00000	5
	10 2-Chlorophenol	128	4.971	4.974	(0.969)	80670	5.00000	5
	15 2,2'-oxybis(1-Chloropropane)	45	5.448	5.451	(1.061)	100398	5.00000	5
	16 2-Methylphenol	108	5.442	5.445	(1.060)	61243	5.00000	5
	17 Hexachloroethane	117	5.630	5.633	(1.097)	48567	5.00000	5
	18 N-Nitroso-di-n-propylamine	70	5.583	5.599	(1.088)	42156	5.00000	5
	19 4-Methylphenol	108	5.576	5.592	(1.086)	69795	5.00000	5
*	20 Naphthalene-d8	136	6.389	6.392	(1.000)	849167	20.0000	
$	21 Nitrobenzene-d5	82	5.710	5.713	(0.894)	69511	5.00000	5
	22 Nitrobenzene	77	5.724	5.733	(0.896)	69195	5.00000	5
	23 Isophorone	82	5.945	5.962	(0.931)	128561	5.00000	5
	24 2-Nitrophenol	139	6.039	6.049	(0.945)	46206	5.00000	5
	25 2,4-Dimethylphenol	107	6.086	6.096	(0.953)	60622	5.00000	5
	27 Bis(2-Chloroethoxy)methane	93	6.174	6.183	(0.966)	93624	5.00000	5 (M)
	28 2,4-Dichlorophenol	162	6.268	6.277	(0.981)	69960	5.00000	5
	30 Naphthalene	128	6.409	6.412	(1.003)	204509	5.00000	5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
	31 4-Chloroaniline	127	6.489	6.499	(1.016)	97716	5.00000	5
	32 Hexachlorobutadiene	225	6.583	6.586	(1.030)	26747	5.00000	5
	33 4-Chloro-3-methylphenol	107	6.973	6.976	(1.091)	51404	5.00000	5
	34 2-Methylnaphthalene	142	7.087	7.090	(1.109)	117473	5.00000	5
*	35 Acenaphthene-d10	164	8.135	8.145	(1.000)	444791	20.0000	
	37 Hexachlorocyclopentadiene	237	7.309	7.312	(0.898)	18910	5.00000	4 (M)
	38 2,4,6-Trichlorophenol	196	7.403	7.406	(0.910)	38245	5.00000	5
	39 2,4,5-Trichlorophenol	196	7.436	7.446	(0.914)	161133	20.0000	20
$	40 2-Fluorobiphenyl	172	7.470	7.480	(0.918)	135866	5.00000	5
	41 2-Chloronaphthalene	162	7.564	7.574	(0.930)	128682	5.00000	5
	42 2-Nitroaniline	65	7.712	7.721	(0.948)	142288	20.0000	20
	44 Dimethylphthalate	163	7.913	7.923	(0.973)	145436	5.00000	5 (M)
	43 Acenaphthylene	152	7.987	7.990	(0.982)	225009	5.00000	5
	45 2,6-Dinitrotoluene	165	7.987	7.997	(0.982)	30739	5.00000	5
	46 Acenaphthene	153	8.168	8.178	(1.004)	125241	5.00000	5
	47 3-Nitroaniline	138	8.121	8.138	(0.998)	179235	20.0000	20
	48 2,4-Dinitrophenol	184	8.222	8.239	(1.011)	63885	20.0000	17
	49 Dibenzofuran	168	8.323	8.333	(1.023)	182686	5.00000	5
	50 2,4-Dinitrotoluene	165	8.370	8.386	(1.029)	44684	5.00000	5 (M)
	51 4-Nitrophenol	109	8.303	8.319	(1.021)	60550	20.0000	19
	52 Fluorene	166	8.665	8.675	(1.065)	133872	5.00000	5
	53 4-Chlorophenyl-phenylether	204	8.665	8.668	(1.065)	43599	5.00000	5
	54 Diethylphthalate	149	8.605	8.615	(1.058)	152108	5.00000	5
	55 4-Nitroaniline	138	8.733	8.762	(1.073)	170528	20.0000	21
$	56 2,4,6-Tribromophenol	330	8.927	8.944	(1.097)	195002	20.0000	21
*	57 Phenanthrene-d10	188	9.592	9.602	(1.000)	677161	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.773	8.796	(0.915)	84707	20.0000	18
	59 N-Nitrosodiphenylamine (1)	169	8.793	8.803	(0.917)	91387	5.00000	5
	61 4-Bromophenyl-phenylether	248	9.142	9.152	(0.953)	33310	5.00000	5
	62 Hexachlorobenzene	284	9.297	9.300	(0.969)	70561	5.00000	5
	63 Pentachlorophenol	266	9.471	9.482	(0.987)	44014	20.0000	12
	64 Phenanthrene	178	9.612	9.622	(1.002)	186592	5.00000	5
	66 Anthracene	178	9.659	9.669	(1.007)	184561	5.00000	5
	67 Di-n-butylphthalate	149	10.210	10.213	(1.064)	312969	5.00000	5
	68 Fluoranthene	202	10.855	10.865	(1.132)	162953	5.00000	5
*	70 Chrysene-d12	240	13.139	13.155	(1.000)	486724	20.0000	
	72 Pyrene	202	11.130	11.147	(0.847)	173923	5.00000	5
$	73 Terphenyl-d14	244	11.352	11.362	(0.864)	92721	5.00000	5
	74 Butylbenzylphthalate	149	12.171	12.181	(0.926)	123563	5.00000	5
	75 3,3'-Dichlorobenzidine	252	13.125	13.148	(0.999)	52488	5.00000	6
	76 Benzo(a)anthracene	228	13.105	13.128	(0.997)	133168	5.00000	5
	77 Chrysene	228	13.186	13.215	(1.004)	125964	5.00000	5
	78 Bis(2-Ethylhexyl)phthalate	149	13.360	13.370	(1.017)	167394	5.00000	5 (M)
*	79 Perylene-d12	264	16.463	16.480	(1.000)	686959	20.0000	
	80 Di-n-octylphthalate	149	14.797	14.821	(0.899)	260455	5.00000	5 (M)
	81 Benzo(b)fluoranthene	252	15.530	15.580	(0.943)	177201	5.00000	6
	82 Benzo(k)fluoranthene	252	15.590	15.647	(0.947)	161758	5.00000	5
	83 Benzo(a)pyrene	252	16.315	16.352	(0.991)	150178	5.00000	5
	84 Indeno(1,2,3-cd)pyrene	276	19.076	19.139	(1.159)	192147	5.00000	5
	85 Dibenzo(a,h)anthracene	278	19.150	19.220	(1.163)	166534	5.00000	5
	86 Benzo(g,h,i)perylene	276	19.680	19.771	(1.195)	207212	5.00000	5

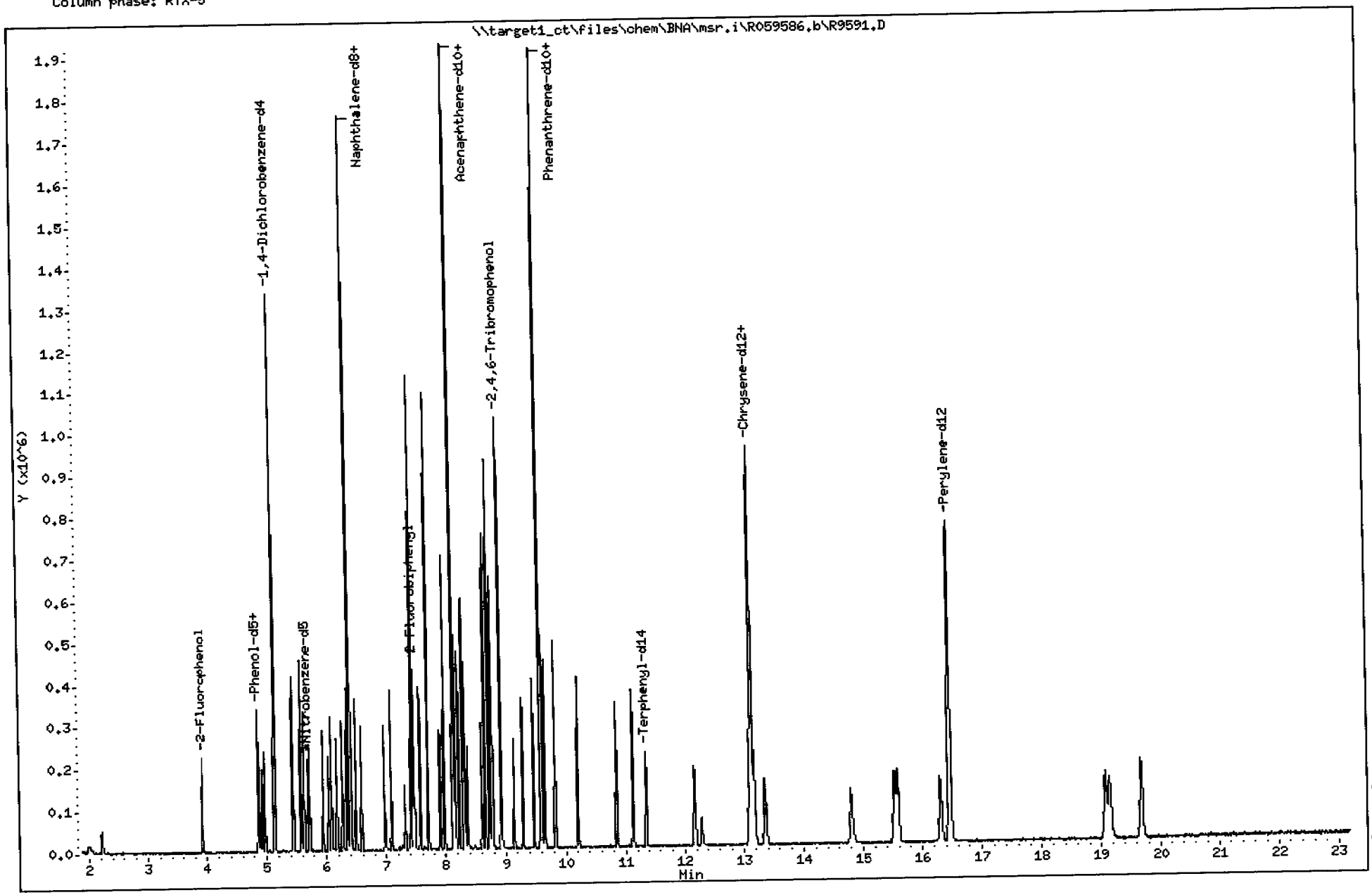
QC Flag Legend

M - Compound response manually integrated.

Data File: \\target1_ct\files\chem\BNA\msr.i\R059586.b\R9591.D
Date : 25-JUL-2005 20:30
Client ID: OLC15/20
Sample Info: OLC15/20
Volume Injected (uL): 1.0
Column phase: RTX-5

Instrument: msr.i

Operator: e. martin
Column diameter: 0.25



STL-Connecticut

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Semivolatile REPORT OLM Compounds

Data file : \\target1_ct\files\chem\BNA\msr.i\R059586.b\R9592.D
Lab Smp Id: OLC210/50 Client Smp ID: OLC210/50
Inj Date : 25-JUL-2005 21:11 MS Autotune Date: 13-APR-2005 12:30
Operator : e. martin Inst ID: msr.i
Smp Info : OLC210/50
Misc Info : : MB ;51992;0.500
Comment :
Method : \\Target1_ct\Files\chem\BNA\msr.i\R059586.b\Msrolc2.m
Meth Date : 25-Jul-2005 22:44 liz Quant Type: ISTD
Cal Date : 25-JUL-2005 19:57 Cal File: R9590.D
Als bottle: 28 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: olc2.sub
Target Version: 4.10
Processing Host: CONMSU

Concentration Formula: Amt * DF * Uf * Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	5.137	5.136	(1.000)	257667	20.0000	
$	2 2-Fluorophenol	112	3.928	3.927	(0.765)	151502	10.0000	10
$	3 Phenol-d5	99	4.861	4.874	(0.946)	200082	10.0000	11
	7 Phenol	94	4.875	4.880	(0.949)	201260	10.0000	10
	9 bis(2-Chloroethyl)ether	63	4.929	4.927	(0.959)	102908	10.0000	10
	10 2-Chlorophenol	128	4.969	4.974	(0.967)	168339	10.0000	10
	15 2,2'-oxybis(1-Chloropropane)	45	5.452	5.451	(1.061)	203587	10.0000	10
	16 2-Methylphenol	108	5.439	5.445	(1.059)	132634	10.0000	11
	17 Hexachloroethane	117	5.634	5.633	(1.097)	106486	10.0000	11
	18 N-Nitroso-di-n-propylamine	70	5.587	5.599	(1.088)	90308	10.0000	11
	19 4-Methylphenol	108	5.580	5.592	(1.086)	140728	10.0000	10
*	20 Naphthalene-d8	136	6.393	6.392	(1.000)	833401	20.0000	
$	21 Nitrobenzene-d5	82	5.708	5.713	(0.893)	148776	10.0000	10
	22 Nitrobenzene	77	5.728	5.733	(0.896)	137456	10.0000	10
	23 Isophorone	82	5.949	5.962	(0.931)	253140	10.0000	10
	24 2-Nitrophenol	139	6.043	6.049	(0.945)	87611	10.0000	10
	25 2,4-Dimethylphenol	107	6.090	6.096	(0.953)	123138	10.0000	10
	27 Bis(2-Chloroethoxy)methane	93	6.178	6.183	(0.966)	182481	10.0000	10
	28 2,4-Dichlorophenol	162	6.272	6.277	(0.981)	135830	10.0000	10
	30 Naphthalene	128	6.413	6.412	(1.003)	407746	10.0000	10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
	31 4-Chloroaniline	127	6.493	6.499	(1.016)	207921	10.0000	10
	32 Hexachlorobutadiene	225	6.587	6.586	(1.030)	57349	10.0000	11
	33 4-Chloro-3-methylphenol	107	6.977	6.976	(1.091)	110980	10.0000	11
	34 2-Methylnaphthalene	142	7.091	7.090	(1.109)	246615	10.0000	10
*	35 Acenaphthene-d10	164	8.146	8.145	(1.000)	453486	20.0000	
	37 Hexachlorocyclopentadiene	237	7.313	7.312	(0.898)	46700	10.0000	10
	38 2,4,6-Trichlorophenol	196	7.407	7.406	(0.909)	80136	10.0000	10
	39 2,4,5-Trichlorophenol	196	7.440	7.446	(0.913)	434303	50.0000	53
$	40 2-Fluorobiphenyl	172	7.474	7.480	(0.918)	282984	10.0000	11
	41 2-Chloronaphthalene	162	7.575	7.574	(0.930)	290705	10.0000	11
	42 2-Nitroaniline	65	7.716	7.721	(0.947)	380789	50.0000	52
	44 Dimethylphthalate	163	7.917	7.923	(0.972)	297287	10.0000	10
	43 Acenaphthylene	152	7.991	7.990	(0.981)	429511	10.0000	10
	45 2,6-Dinitrotoluene	165	7.991	7.997	(0.981)	65821	10.0000	10 (M)
	46 Acenaphthene	153	8.173	8.178	(1.003)	277733	10.0000	11
	47 3-Nitroaniline	138	8.132	8.138	(0.998)	454371	50.0000	50
	48 2,4-Dinitrophenol	184	8.233	8.239	(1.011)	207126	50.0000	54
	49 Dibenzofuran	168	8.327	8.333	(1.022)	379045	10.0000	10
	50 2,4-Dinitrotoluene	165	8.374	8.386	(1.028)	99801	10.0000	11
	51 4-Nitrophenol	109	8.307	8.319	(1.020)	189176	50.0000	55
	52 Fluorene	166	8.670	8.675	(1.064)	297986	10.0000	11
	53 4-Chlorophenyl-phenylether	204	8.670	8.668	(1.064)	93206	10.0000	11 (M)
	54 Diethylphthalate	149	8.616	8.615	(1.058)	330064	10.0000	11
	55 4-Nitroaniline	138	8.743	8.762	(1.073)	433987	50.0000	51
$	56 2,4,6-Tribromophenol	330	8.938	8.944	(1.097)	535265	50.0000	54
*	57 Phenanthrene-d10	188	9.596	9.602	(1.000)	661356	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.784	8.796	(0.915)	246938	50.0000	52
	59 N-Nitrosodiphenylamine (1)	169	8.797	8.803	(0.917)	175271	10.0000	10
	61 4-Bromophenyl-phenylether	248	9.146	9.152	(0.953)	69615	10.0000	10
	62 Hexachlorobenzene	284	9.301	9.300	(0.969)	147695	10.0000	11
	63 Pentachlorophenol	266	9.482	9.482	(0.988)	223898	50.0000	57
	64 Phenanthrene	178	9.617	9.622	(1.002)	389096	10.0000	11
	66 Anthracene	178	9.664	9.669	(1.007)	404497	10.0000	11
	67 Di-n-butylphthalate	149	10.214	10.213	(1.064)	650990	10.0000	11
	68 Fluoranthene	202	10.859	10.865	(1.132)	353418	10.0000	11
*	70 Chrysene-d12	240	13.143	13.155	(1.000)	528838	20.0000	
	72 Pyrene	202	11.134	11.147	(0.847)	366156	10.0000	10
$	73 Terphenyl-d14	244	11.356	11.362	(0.864)	198339	10.0000	10
	74 Butylbenzylphthalate	149	12.182	12.181	(0.927)	282091	10.0000	10
	75 3,3'-Dichlorobenzidine	252	13.136	13.148	(0.999)	79484	10.0000	9
	76 Benzo(a)anthracene	228	13.109	13.128	(0.997)	272367	10.0000	10
	77 Chrysene	228	13.196	13.215	(1.004)	259442	10.0000	10
	78 Bis(2-Ethylhexyl)phthalate	149	13.364	13.370	(1.017)	367762	10.0000	10
*	79 Perylene-d12	264	16.474	16.480	(1.000)	643522	20.0000	
	80 Di-n-octylphthalate	149	14.808	14.821	(0.899)	553448	10.0000	11
	81 Benzo(b)fluoranthene	252	15.547	15.580	(0.944)	300567	10.0000	10
	82 Benzo(k)fluoranthene	252	15.601	15.647	(0.947)	349764	10.0000	11
	83 Benzo(a)pyrene	252	16.319	16.352	(0.991)	307995	10.0000	11
	84 Indeno(1,2,3-cd)pyrene	276	19.087	19.139	(1.159)	371241	10.0000	10
	85 Dibenzo(a,h)anthracene	278	19.167	19.220	(1.163)	341533	10.0000	11
	86 Benzo(g,h,i)perylene	276	19.704	19.771	(1.196)	410586	10.0000	11

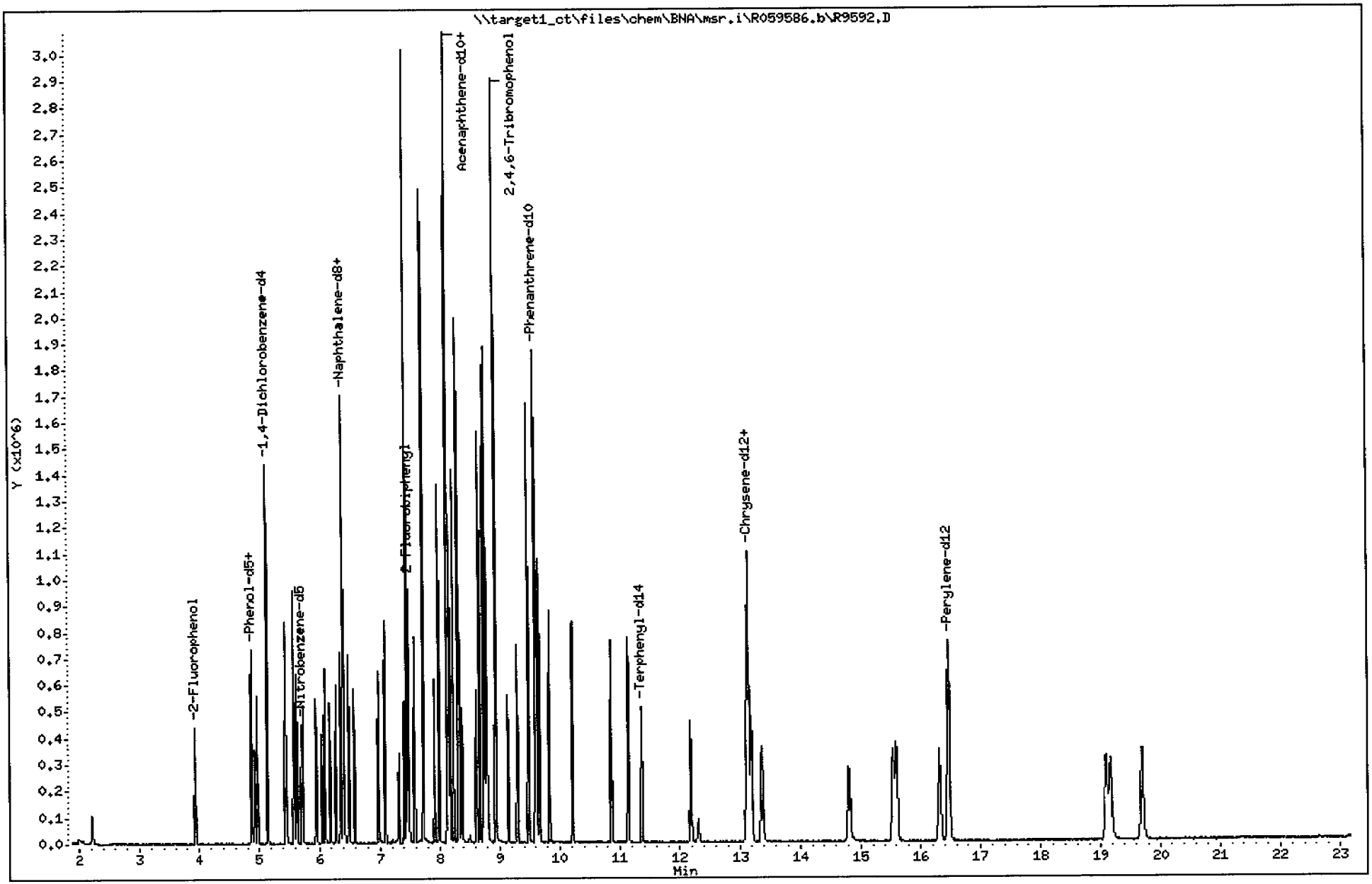
QC Flag Legend

M - Compound response manually integrated.

Data File: \\target1_ct\files\chem\BNA\msr.i\R059586.b\R9592.D
Date : 25-JUL-2005 21:11
Client ID: OLC210/50
Sample Info: OLC210/50
Volume Injected (uL): 1.0
Column phase: RTX-5

Instrument: msr.i

Operator: e. martin
Column diameter: 0.25



STL-Connecticut

STL-Connecticut

Semivolatile REPORT OLM Compounds

Data file : \\target1_ct\files\chem\BNA\msr.i\R059586.b\R9593.D
Lab Smp Id: OLC4 50/100 Client Smp ID: OLC4 50/100
Inj Date : 25-JUL-2005 21:43 MS Autotune Date: 13-APR-2005 12:30
Operator : e. martin Inst ID: msr.i
Smp Info : OLC4 50/100
Misc Info : : MB ;51992;0.500
Comment :
Method : \\target1_ct\files\chem\BNA\msr.i\R059586.b\MSROLC2.m
Meth Date : 25-Jul-2005 22:44 liz Quant Type: ISTD
Cal Date : 25-JUL-2005 19:57 Cal File: R9590.D
Als bottle: 29 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: olc2.sub
Target Version: 4.10
Processing Host: CONMSRNT

Concentration Formula: Amt * DF * Uf * Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	5.137	5.136	(1.000)	266843	20.0000	
$	2 2-Fluorophenol	112	3.928	3.927	(0.765)	799716	50.0000	51
$	3 Phenol-d5	99	4.868	4.874	(0.948)	1009364	50.0000	52
	7 Phenol	94	4.882	4.880	(0.950)	1041902	50.0000	52
	9 bis(2-Chloroethyl)ether	63	4.929	4.927	(0.959)	506570	50.0000	48
	10 2-Chlorophenol	128	4.969	4.974	(0.967)	864703	50.0000	51
	15 2,2'-oxybis(1-Chloropropane)	45	5.453	5.451	(1.061)	1007923	50.0000	49
	16 2-Methylphenol	108	5.439	5.445	(1.059)	668460	50.0000	51
	17 Hexachloroethane	117	5.627	5.633	(1.095)	535130	50.0000	51
	18 N-Nitroso-di-n-propylamine	70	5.594	5.599	(1.089)	462564	50.0000	52
	19 4-Methylphenol	108	5.587	5.592	(1.088)	746336	50.0000	51
*	20 Naphthalene-d8	136	6.393	6.392	(1.000)	867179	20.0000	
$	21 Nitrobenzene-d5	82	5.715	5.713	(0.894)	756397	50.0000	50
	22 Nitrobenzene	77	5.728	5.733	(0.896)	654748	50.0000	47
	23 Isophorone	82	5.956	5.962	(0.932)	1271784	50.0000	49
	24 2-Nitrophenol	139	6.044	6.049	(0.945)	478462	50.0000	51
	25 2,4-Dimethylphenol	107	6.091	6.096	(0.953)	599661	50.0000	48
	27 Bis(2-Chloroethoxy)methane	93	6.178	6.183	(0.966)	927327	50.0000	50
	28 2,4-Dichlorophenol	162	6.272	6.277	(0.981)	734285	50.0000	51
	30 Naphthalene	128	6.413	6.412	(1.003)	2033194	50.0000	50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
	31 4-Chloroaniline	127	6.494	6.499	(1.016)	1107273	50.0000	52
	32 Hexachlorobutadiene	225	6.588	6.586	(1.030)	289399	50.0000	51
	33 4-Chloro-3-methylphenol	107	6.977	6.976	(1.091)	537489	50.0000	49
	34 2-Methylnaphthalene	142	7.091	7.090	(1.109)	1232795	50.0000	50
*	35 Acenaphthene-d10	164	8.139	8.145	(1.000)	466374	20.0000	
	37 Hexachlorocyclopentadiene	237	7.313	7.312	(0.899)	315252	50.0000	63
	38 2,4,6-Trichlorophenol	196	7.407	7.406	(0.910)	403734	50.0000	51
	39 2,4,5-Trichlorophenol	196	7.441	7.446	(0.914)	853333	100.000	100(A)
$	40 2-Fluorobiphenyl	172	7.474	7.480	(0.918)	1340992	50.0000	49
	41 2-Chloronaphthalene	162	7.575	7.574	(0.931)	1403677	50.0000	50
	42 2-Nitroaniline	65	7.723	7.721	(0.949)	725800	100.000	98(A)
	44 Dimethylphthalate	163	7.918	7.923	(0.973)	1464399	50.0000	49
	43 Acenaphthylene	152	7.991	7.990	(0.982)	2275633	50.0000	50
	45 2,6-Dinitrotoluene	165	7.991	7.997	(0.982)	360256	50.0000	53
	46 Acenaphthene	153	8.173	8.178	(1.004)	1320095	50.0000	50
	47 3-Nitroaniline	138	8.139	8.138	(1.000)	918629	100.000	99(A)
	48 2,4-Dinitrophenol	184	8.233	8.239	(1.012)	471833	100.000	110(A)
	49 Dibenzofuran	168	8.334	8.333	(1.024)	1770136	50.0000	48
	50 2,4-Dinitrotoluene	165	8.381	8.386	(1.030)	480377	50.0000	50
	51 4-Nitrophenol	109	8.314	8.319	(1.021)	349528	100.000	100(A)
	52 Fluorene	166	8.670	8.675	(1.065)	1349630	50.0000	48
	53 4-Chlorophenyl-phenylether	204	8.670	8.668	(1.065)	440021	50.0000	49
	54 Diethylphthalate	149	8.616	8.615	(1.059)	1648692	50.0000	52
	55 4-Nitroaniline	138	8.757	8.762	(1.076)	802084	100.000	94(A)
$	56 2,4,6-Tribromophenol	330	8.938	8.944	(1.098)	1030785	100.000	100(A)
*	57 Phenanthrene-d10	188	9.597	9.602	(1.000)	663920	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.791	8.796	(0.916)	495689	100.000	100(A)
	59 N-Nitrosodiphenylamine (1)	169	8.797	8.803	(0.917)	852636	50.0000	49
	61 4-Bromophenyl-phenylether	248	9.147	9.152	(0.953)	327466	50.0000	49
	62 Hexachlorobenzene	284	9.301	9.300	(0.969)	689934	50.0000	49
	63 Pentachlorophenol	266	9.482	9.482	(0.988)	576314	100.000	100(A)
	64 Phenanthrene	178	9.624	9.622	(1.003)	1897189	50.0000	51
	66 Anthracene	178	9.664	9.669	(1.007)	1925953	50.0000	51
	67 Di-n-butylphthalate	149	10.215	10.213	(1.064)	3105735	50.0000	50
	68 Fluoranthene	202	10.859	10.865	(1.132)	1637050	50.0000	50
*	70 Chrysene-d12	240	13.150	13.155	(1.000)	502832	20.0000	
	72 Pyrene	202	11.141	11.147	(0.847)	1769355	50.0000	50
$	73 Terphenyl-d14	244	11.356	11.362	(0.864)	993978	50.0000	52
	74 Butylbenzylphthalate	149	12.182	12.181	(0.926)	1409300	50.0000	53
	75 3,3'-Dichlorobenzidine	252	13.143	13.148	(0.999)	407850	50.0000	49
	76 Benzo(a)anthracene	228	13.116	13.128	(0.997)	1318729	50.0000	51
	77 Chrysene	228	13.210	13.215	(1.005)	1260645	50.0000	51
	78 Bis(2-Ethylhexyl)phthalate	149	13.365	13.370	(1.016)	1819906	50.0000	52
*	79 Perylene-d12	264	16.474	16.480	(1.000)	683540	20.0000	
	80 Di-n-octylphthalate	149	14.809	14.821	(0.899)	3056932	50.0000	54
	81 Benzo(b)fluoranthene	252	15.561	15.580	(0.945)	1622421	50.0000	51
	82 Benzo(k)fluoranthene	252	15.621	15.647	(0.948)	1752501	50.0000	52
	83 Benzo(a)pyrene	252	16.340	16.352	(0.992)	1565799	50.0000	52
	84 Indeno(1,2,3-cd)pyrene	276	19.120	19.139	(1.161)	2054694	50.0000	53
	85 Dibenzo(a,h)anthracene	278	19.194	19.220	(1.165)	1826268	50.0000	53
	86 Benzo(g,h,i)perylene	276	19.738	19.771	(1.198)	2133776	50.0000	52

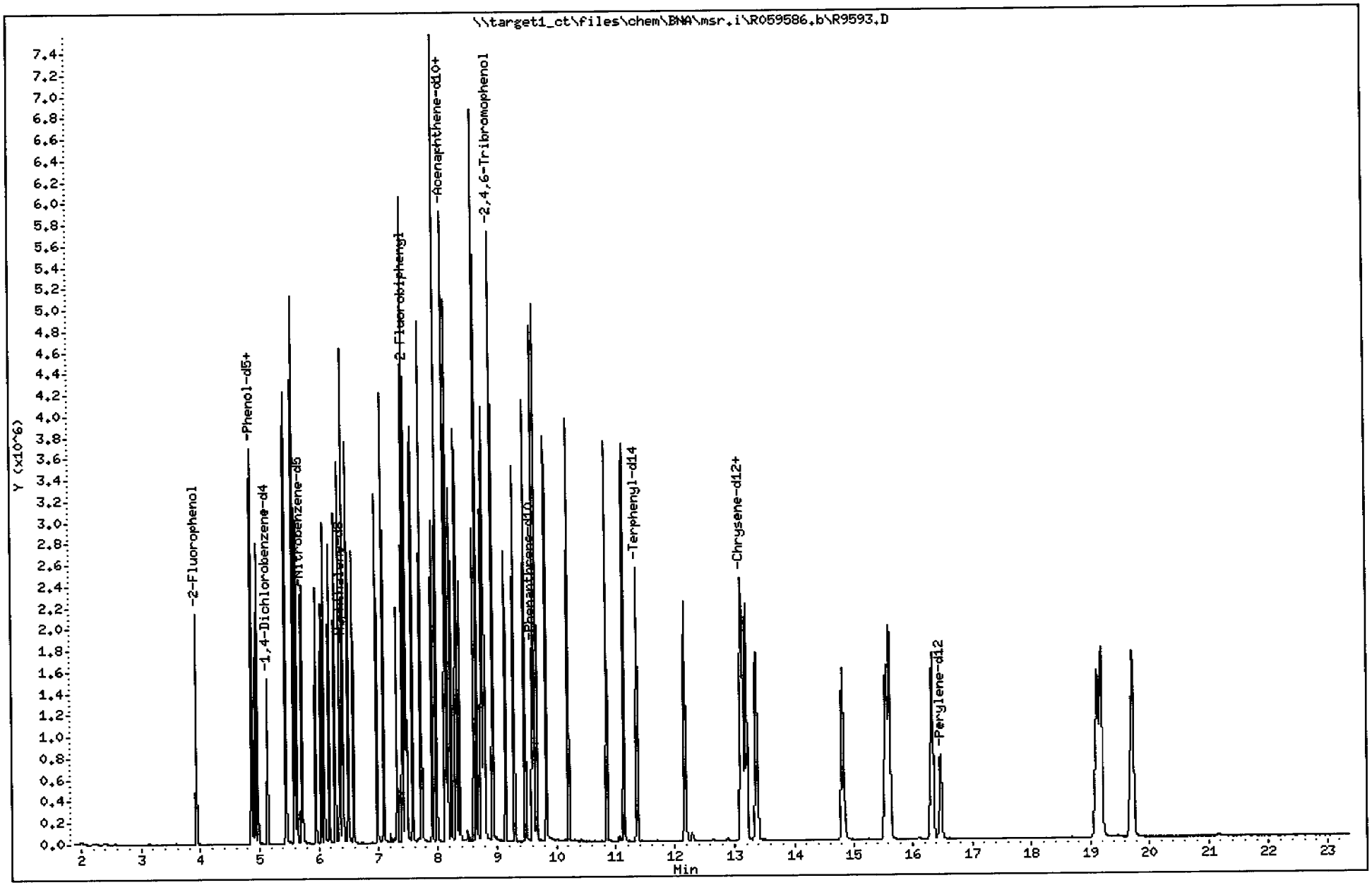
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\target1_ct\files\chem\BNA\msr.i\R059586.b\R9593.D
Date : 25-JUL-2005 21:43
Client ID: OLC4 50/100
Sample Info: OLC4 50/100
Volume Injected (uL): 1.0
Column phase: RTX-5

Instrument: msr.i

Operator: e. martin
Column diameter: 0.25



STL-Connecticut

Semivolatile REPORT OLM Compounds

Data file : \\target1_ct\files\chem\BNA\msr.i\R059586.b\R9594.D
Lab Smp Id: OLC5 80/120 Client Smp ID: OLC5 80/120
Inj Date : 25-JUL-2005 22:16 MS Autotune Date: 13-APR-2005 12:30
Operator : e. martin Inst ID: msr.i
Smp Info : OLC5 80/120
Misc Info : : MB ;51992;0.500
Comment :
Method : \\target1_ct\files\chem\BNA\msr.i\R059586.b\MSROLC2.m
Meth Date : 25-Jul-2005 22:44 liz Quant Type: ISTD
Cal Date : 25-JUL-2005 19:57 Cal File: R9590.D
Als bottle: 30 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: olc2.sub
Target Version: 4.10
Processing Host: CONMSRNT

Concentration Formula: Amt * DF * Uf * Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	5.136	5.136	(1.000)	277499	20.0000	
$ 2	2-Fluorophenol	112	3.927	3.927	(0.765)	1264410	80.0000	78
$ 3	Phenol-d5	99	4.874	4.874	(0.949)	1664135	80.0000	82(A)
7	Phenol	94	4.880	4.880	(0.950)	1664354	80.0000	79
9	bis(2-Chloroethyl)ether	63	4.927	4.927	(0.959)	858554	80.0000	78
10	2-Chlorophenol	128	4.974	4.974	(0.969)	1373337	80.0000	79
15	2,2'-oxybis(1-Chloropropane)	45	5.451	5.451	(1.061)	1644925	80.0000	77
16	2-Methylphenol	108	5.445	5.445	(1.060)	1092385	80.0000	80(A)
17	Hexachloroethane	117	5.633	5.633	(1.097)	870261	80.0000	79
18	N-Nitroso-di-n-propylamine	70	5.599	5.599	(1.090)	743283	80.0000	80
19	4-Methylphenol	108	5.592	5.592	(1.089)	1118125	80.0000	75
* 20	Naphthalene-d8	136	6.392	6.392	(1.000)	836044	20.0000	
$ 21	Nitrobenzene-d5	82	5.713	5.713	(0.894)	1269199	80.0000	86(A)
22	Nitrobenzene	77	5.733	5.733	(0.897)	1141113	80.0000	84(A)
23	Isophorone	82	5.962	5.962	(0.933)	2135318	80.0000	84(A)
24	2-Nitrophenol	139	6.049	6.049	(0.946)	805572	80.0000	87(A)
25	2,4-Dimethylphenol	107	6.096	6.096	(0.954)	982699	80.0000	82(A)
27	Bis(2-Chloroethoxy)methane	93	6.183	6.183	(0.967)	1504428	80.0000	83(A)
28	2,4-Dichlorophenol	162	6.277	6.277	(0.982)	1214703	80.0000	86(A)
30	Naphthalene	128	6.412	6.412	(1.003)	3163527	80.0000	80

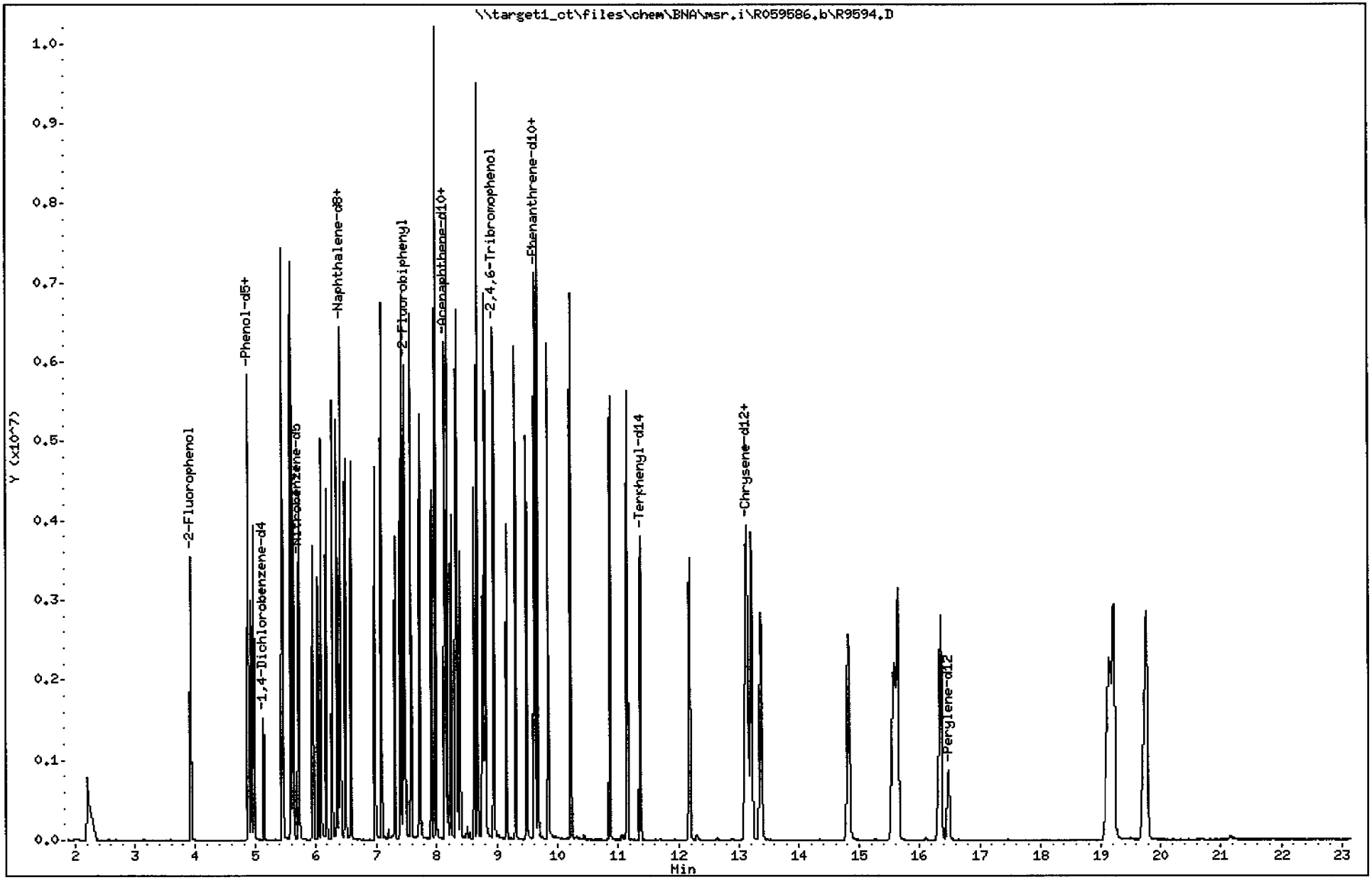
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
	31 4-Chloroaniline	127	6.499	6.499	(1.017)	1616516	80.0000	79
	32 Hexachlorobutadiene	225	6.586	6.586	(1.030)	458508	80.0000	83(A)
	33 4-Chloro-3-methylphenol	107	6.976	6.976	(1.091)	923045	80.0000	86(A)
	34 2-Methylnaphthalene	142	7.090	7.090	(1.109)	2020932	80.0000	84(A)
*	35 Acenaphthene-d10	164	8.145	8.145	(1.000)	436506	20.0000	
	37 Hexachlorocyclopentadiene	237	7.312	7.312	(0.898)	528913	80.0000	100(A)
	38 2,4,6-Trichlorophenol	196	7.406	7.406	(0.909)	666090	80.0000	87(A)
	39 2,4,5-Trichlorophenol	196	7.446	7.446	(0.914)	982904	120.000	120(A)
$	40 2-Fluorobiphenyl	172	7.480	7.480	(0.918)	2041643	80.0000	80
	41 2-Chloronaphthalene	162	7.574	7.574	(0.930)	2174098	80.0000	83(A)
	42 2-Nitroaniline	65	7.721	7.721	(0.948)	923940	120.000	130(A)
	44 Dimethylphthalate	163	7.923	7.923	(0.973)	2353954	80.0000	84(A)
	43 Acenaphthylene	152	7.990	7.990	(0.981)	3517548	80.0000	82(A)
	45 2,6-Dinitrotoluene	165	7.997	7.997	(0.982)	545165	80.0000	85(A)
	46 Acenaphthene	153	8.178	8.178	(1.004)	2060794	80.0000	83(A)
	47 3-Nitroaniline	138	8.138	8.138	(0.999)	1045467	120.000	120(A)
	48 2,4-Dinitrophenol	184	8.239	8.239	(1.012)	574952	120.000	140(A)
	49 Dibenzofuran	168	8.333	8.333	(1.023)	2979204	80.0000	85(A)
	50 2,4-Dinitrotoluene	165	8.386	8.386	(1.030)	789295	80.0000	87(A)
	51 4-Nitrophenol	109	8.319	8.319	(1.021)	450617	120.000	130(A)
	52 Fluorene	166	8.675	8.675	(1.065)	1950381	80.0000	75
	53 4-Chlorophenyl-phenylether	204	8.668	8.668	(1.064)	617627	80.0000	75
	54 Diethylphthalate	149	8.615	8.615	(1.058)	2545293	80.0000	84(A)
	55 4-Nitroaniline	138	8.762	8.762	(1.076)	920802	120.000	120(A)
$	56 2,4,6-Tribromophenol	330	8.944	8.944	(1.098)	1192799	120.000	120(A)
*	57 Phenanthrene-d10	188	9.602	9.602	(1.000)	652931	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.796	8.796	(0.916)	597389	120.000	130(A)
	59 N-Nitrosodiphenylamine (1)	169	8.803	8.803	(0.917)	1414816	80.0000	82(A)
	61 4-Bromophenyl-phenylether	248	9.152	9.152	(0.953)	543124	80.0000	83(A)
	62 Hexachlorobenzene	284	9.300	9.300	(0.969)	1056130	80.0000	77
	63 Pentachlorophenol	266	9.481	9.482	(0.987)	671400	120.000	120(A)
	64 Phenanthrene	178	9.622	9.622	(1.002)	2905141	80.0000	79
	66 Anthracene	178	9.669	9.669	(1.007)	2907458	80.0000	78
	67 Di-n-butylphthalate	149	10.213	10.213	(1.064)	4965938	80.0000	81(A)
	68 Fluoranthene	202	10.865	10.865	(1.131)	2590384	80.0000	80
*	70 Chrysene-d12	240	13.155	13.155	(1.000)	515831	20.0000	
	72 Pyrene	202	11.147	11.147	(0.847)	2833567	80.0000	79
$	73 Terphenyl-d14	244	11.362	11.362	(0.864)	1516309	80.0000	78
	74 Butylbenzylphthalate	149	12.181	12.181	(0.926)	2232597	80.0000	81(A)
	75 3,3'-Dichlorobenzidine	252	13.148	13.148	(0.999)	787934	80.0000	90(A)
	76 Benzo(a)anthracene	228	13.128	13.128	(0.998)	2179566	80.0000	81(A)
	77 Chrysene	228	13.215	13.215	(1.005)	2114341	80.0000	83(A)
	78 Bis(2-Ethylhexyl)phthalate	149	13.370	13.370	(1.016)	2972964	80.0000	83(A)
*	79 Perylene-d12	264	16.480	16.480	(1.000)	722058	20.0000	
	80 Di-n-octylphthalate	149	14.821	14.821	(0.899)	4995796	80.0000	83(A)
	81 Benzo(b)fluoranthene	252	15.580	15.580	(0.945)	2498759	80.0000	76
	82 Benzo(k)fluoranthene	252	15.647	15.647	(0.949)	2489127	80.0000	71
	83 Benzo(a)pyrene	252	16.352	16.352	(0.992)	2658754	80.0000	82(A)
	84 Indeno(1,2,3-cd)pyrene	276	19.139	19.139	(1.161)	3728833	80.0000	88(A)
	85 Dibenzo(a,h)anthracene	278	19.220	19.220	(1.166)	3179242	80.0000	86(A)
	86 Benzo(g,h,i)perylene	276	19.771	19.771	(1.200)	3792407	80.0000	86(A)

QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File: \\target1_ct\files\chem\BNA\msr.i\R059586.b\R9594.D
Date : 25-JUL-2005 22:16
Client ID: OLC5 80/120
Sample Info: OLC5 80/120
Volume Injected (uL): 1.0
Column phase: RTX-5

Instrument: msr.i
Operator: e. martin
Column diameter: 0.25



Data File: \\target1_ct\files\chem\BNA\msr.i\R059586.b\Rn9590.D

Date : 25-JUL-2005 19:57

Client ID: OLC120/80

Instrument: msr.i

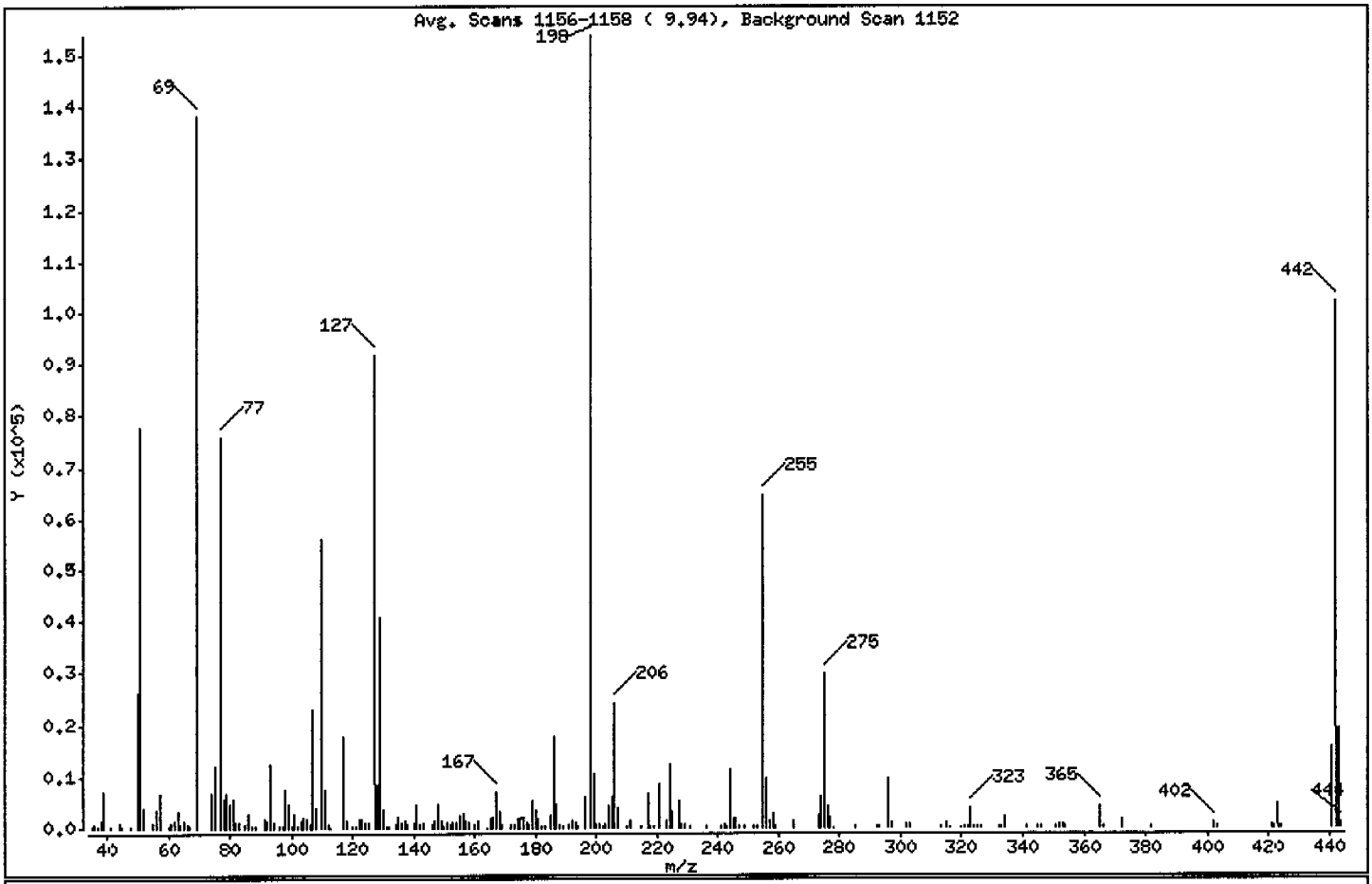
Sample Info: OLC120/80

Operator: e. martin

Column phase:

Column diameter: 2.00

1 dftpp-nys



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	50.42
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Less than 100.00% of mass 198	89.85
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	59.73
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.92
275	10.00 - 30.00% of mass 198	19.34
365	1.00 - 100.00% of mass 198	2.78
441	Present, but less than mass 443	10.24
442	40.00 - 110.00% of mass 198	66.44
443	17.00 - 23.00% of mass 442	12.43 (18.71)

Data File: \\target1_ct\files\chem\BNA\msr.i\R059586.b\Rn9590.D

Date : 25-JUL-2005 19:57

Client ID: OLC120/80

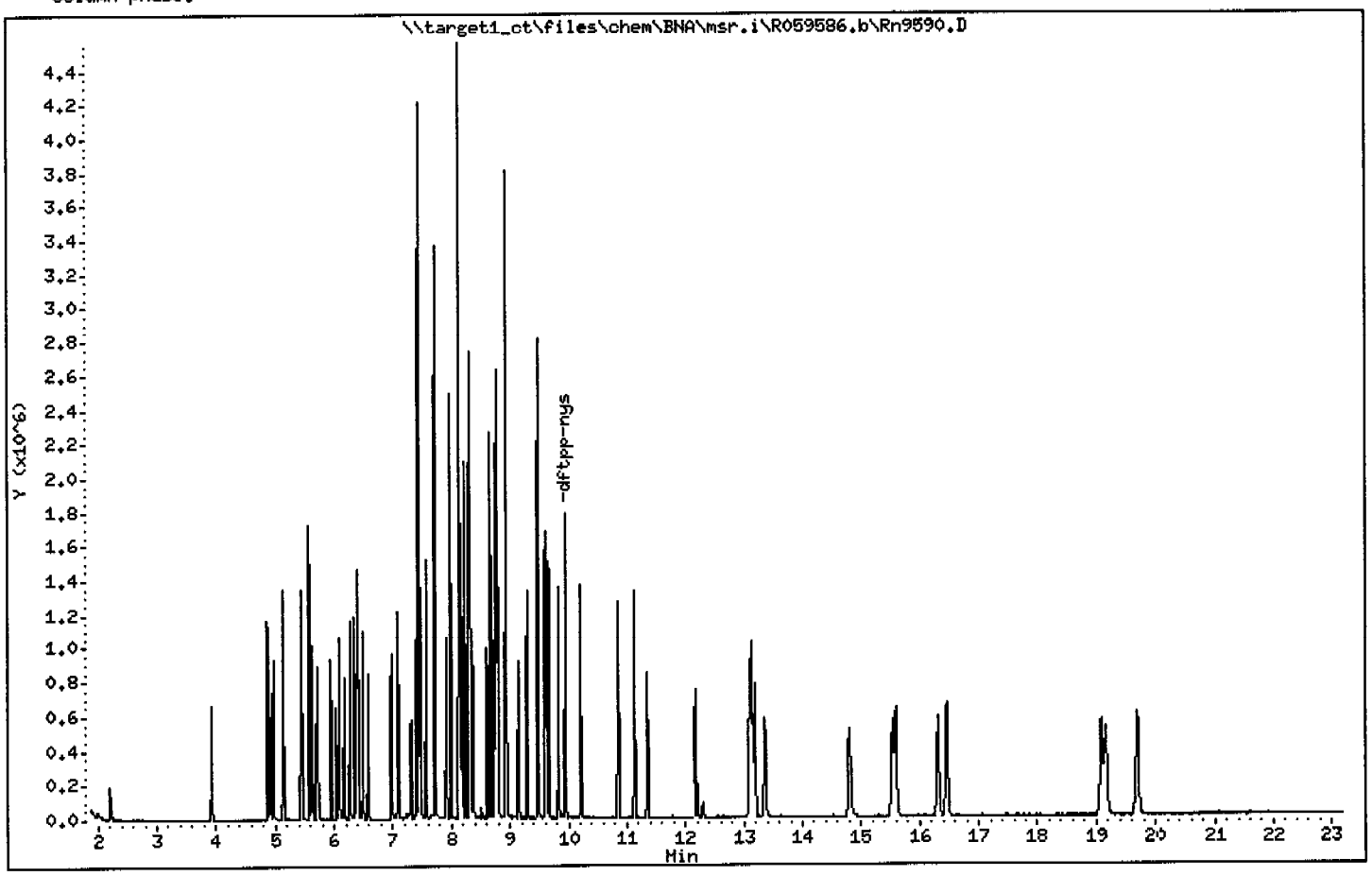
Instrument: msr.i

Sample Info: OLC120/80

Operator: e. martin

Column phase:

Column diameter: 2.00



Date : 25-JUL-2005 19:57

Client ID: OLC120/80 Instrument: msr.i

Sample Info: OLC120/80

Operator: e. martin

Column phase: Column diameter: 2.00

Data File: Rn9590.D
Spectrum: Avg. Scans 1156-1158 (9.94), Background Scan 1152
Location of Maximum: 198.00
Number of points: 212

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	232	110.00	56072	178.00	594	258.00	2698
36.00	589	111.00	7603	179.00	5463	259.00	509
37.00	280	112.00	719	180.00	3711	265.00	1398
38.00	1550	113.00	168	181.00	1650	273.00	2601
39.00	7217	117.00	17760	182.00	180	274.00	6003
41.00	447	118.00	1442	183.00	442	275.00	29768
44.00	893	120.00	190	185.00	2391	276.00	4427
45.00	462	121.00	205	186.00	17720	277.00	2161
48.00	459	122.00	1620	187.00	4657	278.00	168
50.00	26344	123.00	1778	188.00	789	285.00	216
51.00	77600	124.00	1042	189.00	276	292.00	326
52.00	3846	125.00	916	191.00	842	293.00	212
55.00	939	127.00	91944	192.00	1420	296.00	9522
56.00	3569	128.00	8633	193.00	982	297.00	1138
57.00	6906	129.00	40640	194.00	428	302.00	565
60.00	191	130.00	3395	196.00	6028	303.00	616
61.00	1155	131.00	243	198.00	153920	313.00	306
62.00	1348	132.00	404	199.00	10647	315.00	1042
63.00	3124	134.00	813	200.00	794	316.00	174
64.00	561	135.00	2076	201.00	879	320.00	168
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66.00	588	137.00	1510	203.00	730	322.00	279
67.00	311	138.00	715	204.00	4175	323.00	4077
69.00	138304	140.00	924	205.00	6075	324.00	306
74.00	6887	141.00	4763	206.00	24000	325.00	217
75.00	12102	142.00	651	207.00	3860	326.00	430
77.00	75936	143.00	910	210.00	237	332.00	477
78.00	5745	146.00	576	211.00	1267	333.00	519
79.00	6734	147.00	1511	215.00	232	334.00	2162
80.00	4561	148.00	4671	217.00	6891	341.00	181
81.00	5611	149.00	1272	218.00	275	345.00	260
82.00	910	150.00	207	219.00	278	346.00	343
83.00	1020	151.00	1040	221.00	8655	351.00	286
85.00	794	152.00	849	223.00	1551	352.00	805
86.00	2842	153.00	1035	224.00	12387	353.00	770

Data File: \\target1_ct\files\chem\BNA\msr.i\R059586.b\Rn9590.D

Date : 25-JUL-2005 19:57

Client ID: OLC120/80

Instrument: msr.i

Sample Info: OLC120/80

Operator: e. martin

Column phase:

Column diameter: 2.00

Data File: Rn9590.D

Spectrum: Avg. Scans 1156-1158 (9.94), Background Scan 1152

Location of Maximum: 198.00

Number of points: 212

m/z	Y	m/z	Y	m/z	Y	m/z	Y
87.00	294	154.00	1122	225.00	3021	354.00	397
88.00	209	155.00	2371	227.00	5489	365.00	4279
91.00	1645	156.00	2676	228.00	871	366.00	190
92.00	1573	157.00	1345	229.00	658	372.00	1852
93.00	12422	158.00	1046	231.00	227	382.00	409
94.00	1145	160.00	860	236.00	337	402.00	929
96.00	261	161.00	1539	241.00	281	403.00	262
97.00	243	164.00	176	242.00	672	421.00	764
98.00	7606	165.00	1708	243.00	531	422.00	456
99.00	4718	166.00	2092	244.00	11404	423.00	4661
100.00	384	167.00	7111	245.00	1802	424.00	366
101.00	2754	168.00	3231	246.00	1906	441.00	15768
102.00	193	169.00	776	247.00	186	442.00	102264
103.00	1364	172.00	773	249.00	383	443.00	19136
104.00	1996	173.00	579	252.00	221	444.00	1174
105.00	1799	174.00	1724	253.00	182		
106.00	875	175.00	2300	255.00	64704		
107.00	23224	176.00	2038	256.00	9621		
108.00	3822	177.00	1101	257.00	1573		

QUALITY CONTROL RESULTS

Job Number.: 210038 Report Date.: 07/27/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		51992 -001		07/25/2005	2249

Test Method.....: OLC02.1 Equipment Code....: MSR Analyst...: jdw
Method Description.: CLP BNA Extractable Organics Batch.....: 52165

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol	ug/L	0.50	U							
Bis(2-chloroethyl)ether	ug/L	0.50	U							
2-Chlorophenol	ug/L	0.50	U							
2-Methylphenol	ug/L	0.50	U							
2,2-oxybis (1-chloropropane)	ug/L	0.50	U							
4-Methylphenol	ug/L	0.50	U							
n-Nitroso-di-n-propylamine	ug/L	0.50	U							
Hexachloroethane	ug/L	0.50	U							
Nitrobenzene	ug/L	0.50	U							
Isophorone	ug/L	0.50	U							
2-Nitrophenol	ug/L	0.50	U							
2,4-Dimethylphenol	ug/L	0.50	U							
Bis(2-chloroethoxy)methane	ug/L	0.50	U							
2,4-Dichlorophenol	ug/L	0.50	U							
Naphthalene	ug/L	0.50	U							
4-Chloroaniline	ug/L	0.50	U							
Hexachlorobutadiene	ug/L	0.50	U							
4-Chloro-3-methylphenol	ug/L	0.50	U							
2-Methylnaphthalene	ug/L	0.50	U							
Hexachlorocyclopentadiene	ug/L	0.50	U							
2,4,6-Trichlorophenol	ug/L	0.50	U							
2,4,5-Trichlorophenol	ug/L	0.50	U							
2-Chloronaphthalene	ug/L	0.50	U							
2-Nitroaniline	ug/L	0.50	U							
Dimethyl phthalate	ug/L	0.50	U							
Acenaphthylene	ug/L	0.50	U							
2,6-Dinitrotoluene	ug/L	0.50	U							
3-Nitroaniline	ug/L	0.50	U							
Acenaphthene	ug/L	0.50	U							
2,4-Dinitrophenol	ug/L	0.50	U							
4-Nitrophenol	ug/L	0.50	U							
Dibenzofuran	ug/L	0.50	U							
2,4-Dinitrotoluene	ug/L	0.50	U							
Diethyl phthalate	ug/L	0.50	U							
4-Chlorophenyl phenyl ether	ug/L	0.50	U							
Fluorene	ug/L	0.50	U							
4-Nitroaniline	ug/L	0.50	U							
4,6-Dinitro-2-methylphenol	ug/L	0.50	U							
n-Nitrosodiphenylamine	ug/L	0.50	U							
4-Bromophenyl phenyl ether	ug/L	0.50	U							
Hexachlorobenzene	ug/L	0.50	U							
Pentachlorophenol	ug/L	0.50	U							
Phenanthrene	ug/L	0.50	U							
Anthracene	ug/L	0.50	U							
Di-n-butyl phthalate	ug/L	0.50	U							
Fluoranthene	ug/L	0.50	U							
Pyrene	ug/L	0.50	U							
Butyl benzyl phthalate	ug/L	0.50	U							
3,3-Dichlorobenzidine	ug/L	0.50	U							
Benzo(a)anthracene	ug/L	0.50	U							

QUALITY CONTROL RESULTS

Job Number.: 210038 Report Date.: 07/27/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		51992 -001		07/25/2005	2249

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chrysene	ug/L	0.50	U							
Bis(2-ethylhexyl)phthalate	ug/L	0.50	U							
Di-n-octyl phthalate	ug/L	0.50	U							
Benzo(b)fluoranthene	ug/L	0.50	U							
Benzo(k)fluoranthene	ug/L	0.50	U							
Benzo(a)pyrene	ug/L	0.50	U							
Indeno(1,2,3-cd)pyrene	ug/L	0.50	U							
Dibenzo(a,h)anthracene	ug/L	0.50	U							
Benzo(ghi)perylene	ug/L	0.50	U							

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

51992-1MB

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210038 SAS No.: SDG No.: 210038

Matrix: (soil/water) WATER Lab Sample ID: 51992-1MB

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R9595

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/20/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/25/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I SV-TIC

STL-INC

Semivolatile REPORT OLM Compounds

Data file : \\target1_ct\Files\chem\BNA\msr.i\R059586.b\R9595.D
Lab Smp Id: 51992-1MB Client Smp ID: 51992-1MB
Inj Date : 25-JUL-2005 22:49 MS Autotune Date: 13-APR-2005 12:30
Operator : e. martin Inst ID: msr.i
Smp Info : MB
Misc Info : : MB ;51992;0.500
Comment :
Method : \\Target1_ct\Files\chem\BNA\msr.i\R059586.b\Msrolc2.m
Meth Date : 27-Jul-2005 07:25 joan Quant Type: ISTD
Cal Date : 25-JUL-2005 19:57 Cal File: R9590.D
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: olc2.sub
Target Version: 4.10
Processing Host: CONMSU

Concentration Formula: Amt * DF * Uf * Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
*	1 1,4-Dichlorobenzene-d4	152	5.132	5.136	(1.000)	206127	20.0000	
$	2 2-Fluorophenol	112	3.923	3.927	(0.764)	337549	29.1756	29
$	3 Phenol-d5	99	4.864	4.874	(0.948)	425861	29.2399	29
*	20 Naphthalene-d8	136	6.388	6.392	(1.000)	670660	20.0000	
$	21 Nitrobenzene-d5	82	5.710	5.713	(0.894)	339423	28.7595	29
*	35 Acenaphthene-d10	164	8.135	8.145	(1.000)	357002	20.0000	
$	40 2-Fluorobiphenyl	172	7.470	7.480	(0.918)	605698	31.7846	32
$	56 2,4,6-Tribromophenol	330	8.934	8.944	(1.098)	792123	108.463	110(A)
*	57 Phenanthrene-d10	188	9.592	9.602	(1.000)	514514	20.0000	
*	70 Chrysene-d12	240	13.138	13.155	(1.000)	422828	20.0000	
$	73 Terphenyl-d14	244	11.358	11.362	(0.865)	650838	41.4526	41
*	79 Perylene-d12	264	16.463	16.480	(1.000)	582814	20.0000	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

STL-INC

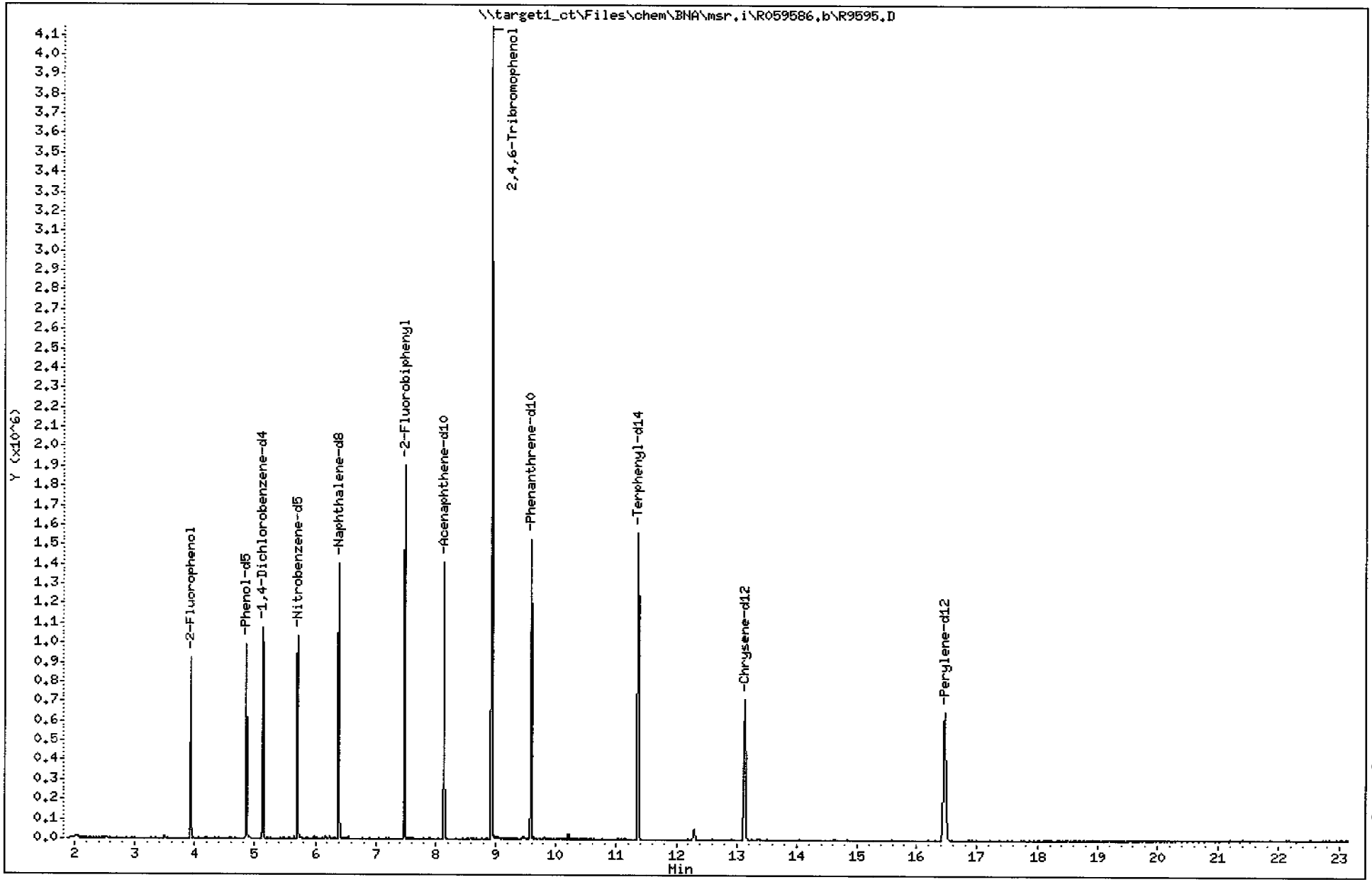
Semivolatile REPORT OLM Compounds

Data file : \\target1_ct\Files\chem\BNA\msr.i\R059586.b\R9595.D
Lab Smp Id: 51992-1MB Client Smp ID: 51992-1MB
Inj Date : 25-JUL-2005 22:49 MS Autotune Date: 13-APR-2005 12:30
Operator : e. martin Inst ID: msr.i
Smp Info : MB
Misc Info : : MB ;51992;0.500
Comment :
Method : \\Target1_ct\Files\chem\BNA\msr.i\R059586.b\Msrolc2.m
Meth Date : 27-Jul-2005 07:25 joan Quant Type: ISTD
Cal Date : 25-JUL-2005 19:57 Cal File: R9590.D
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: olc2.sub
Target Version: 4.10
Processing Host: CONMSU

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\target1_ct\Files\chem\BNA\msr.i\R059586.b\R9595.D
Date : 25-JUL-2005 22:49
Client ID: 51992-1MB
Sample Info: MB
Volume Injected (uL): 1.0
Column phase: RTX-5

Instrument: msr.i
Operator: e. martin
Column diameter: 0.25



QUALITY CONTROL RESULTS

Job Number.: 210038 Report Date.: 07/27/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	E05FSPK014	51992 -002		07/25/2005	2322

Test Method.....: OLC02.1 Equipment Code....: MSR Analyst...: jdw
Method Description.: CLP BNA Extractable Organics Batch.....: 52165

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol	ug/L	27.65		40.00	0.50 U	69	%	40-120	
Bis(2-chloroethyl)ether	ug/L	13.59		20.00	0.50 U	68	%	50-110	
2-Chlorophenol	ug/L	27.76		40.00	0.50 U	69	%	50-110	
n-Nitroso-di-n-propylamine	ug/L	13.09		20.00	0.50 U	65	%	30-110	
Hexachloroethane	ug/L	12.05		20.00	0.50 U	60	%	20-110	
Isophorone	ug/L	15.02		20.00	0.50 U	75	%	50-110	
Naphthalene	ug/L	15.26		20.00	0.50 U	76	%	30-110	
4-Chloroaniline	ug/L	21.90		40.00	0.50 U	55	%	10-120	
2,4,6-Trichlorophenol	ug/L	29.74		40.00	0.50 U	74	%	40-120	
2,4-Dinitrotoluene	ug/L	14.59		20.00	0.50 U	73	%	30-120	
Diethyl phthalate	ug/L	17.38		20.00	0.50 U	87	%	50-120	
n-Nitrosodiphenylamine	ug/L	14.78		20.00	0.50 U	74	%	30-110	
Hexachlorobenzene	ug/L	15.28		20.00	0.50 U	76	%	40-120	
Benzo(a)pyrene	ug/L	18.76		20.00	0.50 U	94	%	50-120	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

STL-INC

Semivolatile REPORT OLM Compounds

Data file : \\target1_ct\Files\chem\BNA\msr.i\R059586.b\R9596.D
Lab Smp Id: 51992-2LCS Client Smp ID: 51992-2LCS
Inj Date : 25-JUL-2005 23:22 MS Autotune Date: 13-APR-2005 12:30
Operator : e. martin Inst ID: msr.i
Smp Info : LCS
Misc Info : : LCS;51992;0.500;0.100;
Comment :
Method : \\Target1_ct\Files\chem\BNA\msr.i\R059586.b\Msrolc2.m
Meth Date : 27-Jul-2005 07:26 joan Quant Type: ISTD
Cal Date : 25-JUL-2005 19:57 Cal File: R9590.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: olc2.sub
Target Version: 4.10

Concentration Formula: Amt * DF * Uf * Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
*	1	1,4-Dichlorobenzene-d4	152	5.135	5.136	(1.000)	268235	20.0000	
$	2	2-Fluorophenol	112	3.926	3.927	(0.765)	392064	26.0411	26
$	3	Phenol-d5	99	4.860	4.874	(0.946)	511879	27.0081	27
	7	Phenol	94	4.873	4.880	(0.949)	532535	27.6531	28
	9	bis(2-Chloroethyl)ether	63	4.920	4.927	(0.958)	141058	13.5876	14
	10	2-Chlorophenol	128	4.967	4.974	(0.967)	434738	27.7550	28
	17	Hexachloroethane	117	5.632	5.633	(1.097)	124540	12.0477	12
	18	N-Nitroso-di-n-propylamine	70	5.585	5.599	(1.088)	111635	13.0887	13
*	20	Naphthalene-d8	136	6.391	6.392	(1.000)	798730	20.0000	
$	21	Nitrobenzene-d5	82	5.706	5.713	(0.893)	428105	30.4574	30
	23	Isophorone	82	5.948	5.962	(0.931)	351063	15.0178	15
	30	Naphthalene	128	6.411	6.412	(1.003)	551515	15.2566	15
	31	4-Chloroaniline	127	6.492	6.499	(1.016)	431212	21.8997	22
*	35	Acenaphthene-d10	164	8.138	8.145	(1.000)	483916	20.0000	
	38	2,4,6-Trichlorophenol	196	7.399	7.406	(0.909)	231118	29.7375	30
$	40	2-Fluorobiphenyl	172	7.473	7.480	(0.918)	736684	28.5195	29
	50	2,4-Dinitrotoluene	165	8.373	8.386	(1.029)	134808	14.5864	15
	54	Diethylphthalate	149	8.608	8.615	(1.058)	521283	17.3755	17
$	56	2,4,6-Tribromophenol	330	8.937	8.944	(1.098)	959236	96.8978	97(A)
*	57	Phenanthrene-d10	188	9.595	9.602	(1.000)	688120	20.0000	
	59	N-Nitrosodiphenylamine (1)	169	8.796	8.803	(0.917)	264906	14.7835	15

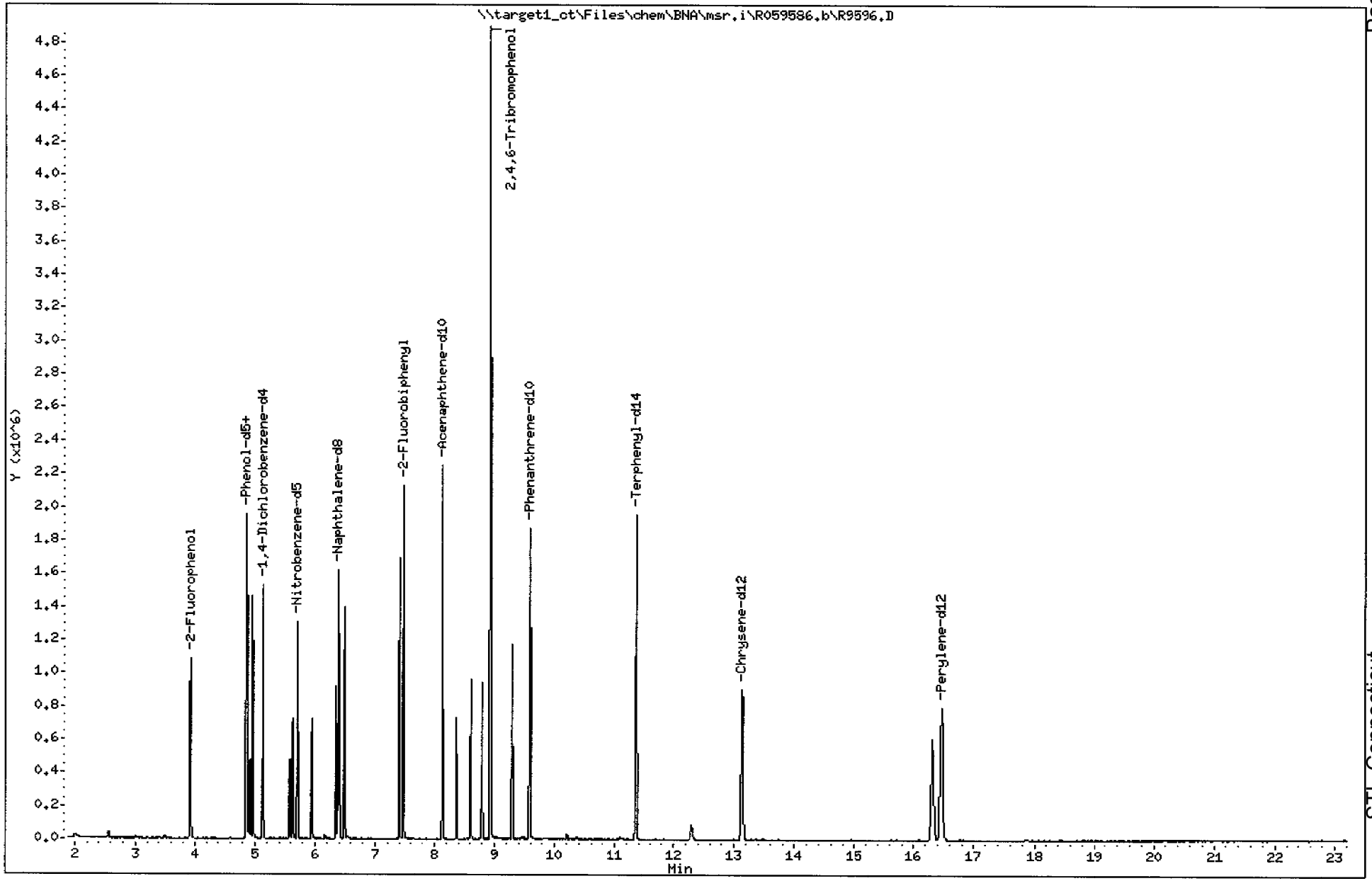
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
	62 Hexachlorobenzene	284	9.293	9.300	(0.969)	213623	15.2835	15
*	70 Chrysene-d12	240	13.135	13.155	(1.000)	522472	20.0000	
$	73 Terphenyl-d14	244	11.355	11.362	(0.864)	766705	39.5192	40
*	79 Perylene-d12	264	16.473	16.480	(1.000)	717807	20.0000	
	83 Benzo(a)pyrene	252	16.311	16.352	(0.990)	545781	18.7647	19

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\target1_ct\Files\chem\BNA\msr.i\R059586.b\R9596.D
Date : 25-JUL-2005 23:22
Client ID: 51992-2LCS
Sample Info: LCS
Volume Injected (uL): 1.0
Column phase: RTX-5

Instrument: msr.i
Operator: e. martin
Column diameter: 0.25



QUALITY CONTROL RESULTS

Job Number.: 210038 Report Date.: 07/27/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSB	Matrix Spike Blank	E05FSPK014	210038-3		07/25/2005	2355

Test Method.....: OLC02.1 Equipment Code....: MSR Analyst...: jdw
Method Description.: CLP BNA Extractable Organics Batch.....: 52165

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Phenol	ug/L	28.20		40.00	0.50	U	71		40-120	
Bis(2-chloroethyl)ether	ug/L	14.52		20.00	0.50	U	73		50-110	
2-Chlorophenol	ug/L	32.46		40.00	0.50	U	81		50-110	
n-Nitroso-di-n-propylamine	ug/L	14.08		20.00	0.50	U	70		30-110	
Hexachloroethane	ug/L	12.75		20.00	0.50	U	64		20-110	
Isophorone	ug/L	13.48		20.00	0.50	U	67		50-110	
Naphthalene	ug/L	15.63		20.00	0.50	U	78		30-110	
4-Chloroaniline	ug/L	19.63		40.00	0.50	U	49		10-120	
2,4,6-Trichlorophenol	ug/L	30.68		40.00	0.50	U	77		40-120	
2,4-Dinitrotoluene	ug/L	16.09		20.00	0.50	U	80		30-120	
Diethyl phthalate	ug/L	18.87		20.00	0.50	U	94		50-120	
n-Nitrosodiphenylamine	ug/L	17.34		20.00	0.50	U	87		30-110	
Hexachlorobenzene	ug/L	17.47		20.00	0.50	U	87		40-120	
Benzo(a)pyrene	ug/L	19.80		20.00	0.50	U	99		50-120	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

STL-INC

Semivolatile REPORT OLM Compounds

Data file : \\target1_ct\Files\chem\BNA\msr.i\R059586.b\R9597.D
Lab Smp Id: 210038-3MSB Client Smp ID: SW-01MSB
Inj Date : 25-JUL-2005 23:55 MS Autotune Date: 13-APR-2005 12:30
Operator : e. martin Inst ID: msr.i
Smp Info : 210038-3MSB
Misc Info : : MSB;51992;0.500;1.0;
Comment :
Method : \\Target1_ct\Files\chem\BNA\msr.i\R059586.b\Msrolc2.m
Meth Date : 27-Jul-2005 07:26 joan Quant Type: ISTD
Cal Date : 25-JUL-2005 19:57 Cal File: R9590.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: olc2.sub
Target Version: 4.10
Processing Host: CONMSU

Concentration Formula: Amt * DF * Uf * Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
*	1	1,4-Dichlorobenzene-d4	152	5.136	5.136	(1.000)	272044	20.0000	
$	2	2-Fluorophenol	112	3.921	3.927	(0.763)	400093	26.2023	26
$	3	Phenol-d5	99	4.861	4.874	(0.946)	528531	27.4963	27
	7	Phenol	94	4.874	4.880	(0.949)	550828	28.2025	28
	9	bis(2-Chloroethyl)ether	63	4.921	4.927	(0.958)	152838	14.5162	15
	10	2-Chlorophenol	128	4.968	4.974	(0.967)	515642	32.4592	32
	17	Hexachloroethane	117	5.627	5.633	(1.095)	133648	12.7477	13
	18	N-Nitroso-di-n-propylamine	70	5.580	5.599	(1.086)	121839	14.0850	14
*	20	Naphthalene-d8	136	6.392	6.392	(1.000)	871917	20.0000	
$	21	Nitrobenzene-d5	82	5.707	5.713	(0.893)	430025	28.0260	28
	23	Isophorone	82	5.949	5.962	(0.931)	343887	13.4760	13
	30	Naphthalene	128	6.406	6.412	(1.002)	616695	15.6278	16
	31	4-Chloroaniline	127	6.493	6.499	(1.016)	422038	19.6347	20
*	35	Acenaphthene-d10	164	8.138	8.145	(1.000)	482212	20.0000	
	38	2,4,6-Trichlorophenol	196	7.400	7.406	(0.909)	237597	30.6792	31
$	40	2-Fluorobiphenyl	172	7.474	7.480	(0.918)	800035	31.0815	31
	50	2,4-Dinitrotoluene	165	8.374	8.386	(1.029)	148184	16.0904	16
	54	Diethylphthalate	149	8.602	8.615	(1.057)	564108	18.8694	19
$	56	2,4,6-Tribromophenol	330	8.938	8.944	(1.098)	985602	99.9130	100(A)
*	57	Phenanthrene-d10	188	9.596	9.602	(1.000)	660990	20.0000	

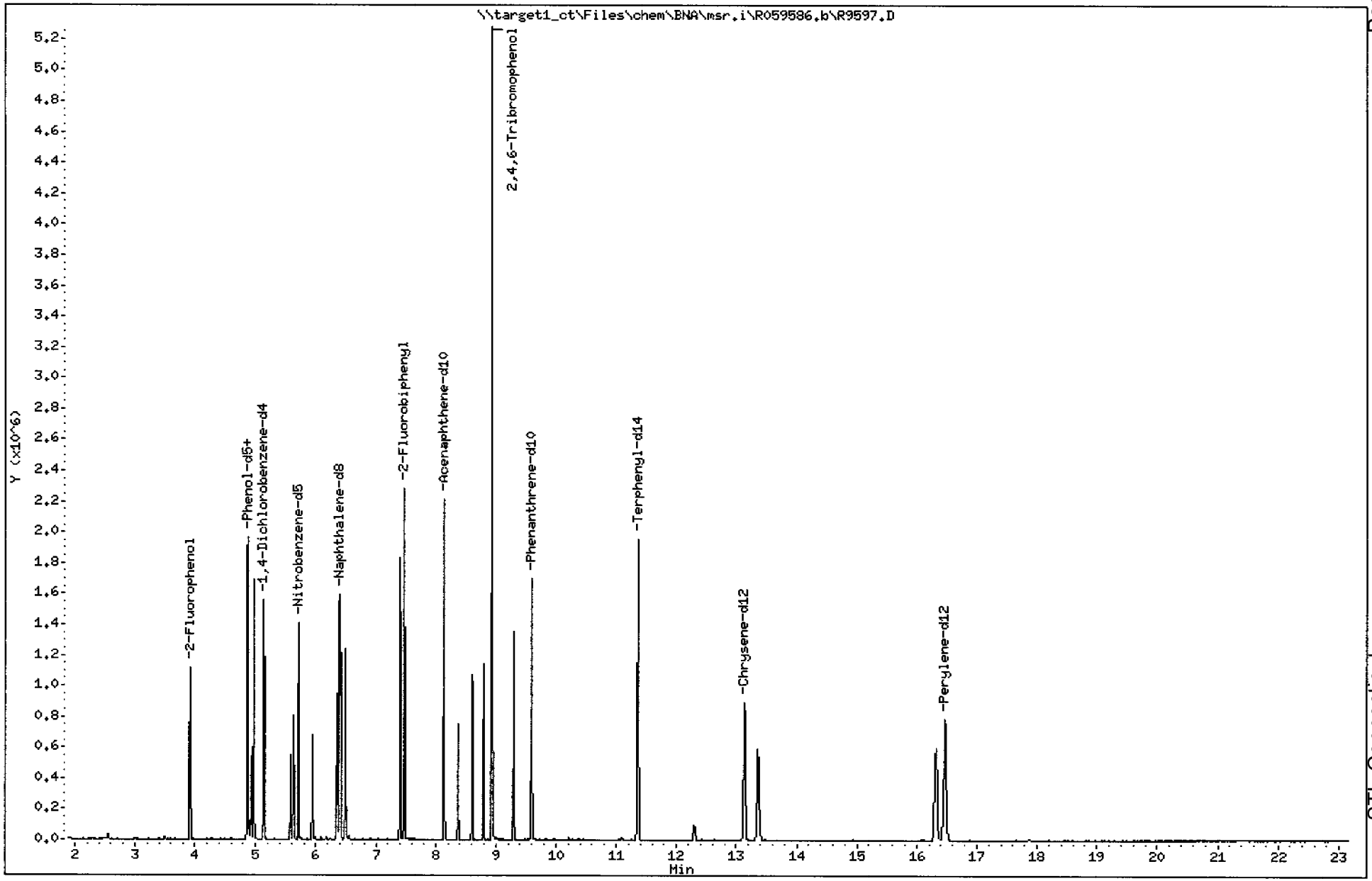
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
	59 N-Nitrosodiphenylamine (1)	169	8.790	8.803	(0.916)	298476	17.3406	17
	62 Hexachlorobenzene	284	9.294	9.300	(0.969)	234614	17.4743	17
*	70 Chrysene-d12	240	13.135	13.155	(1.000)	514251	20.0000	
$	73 Terphenyl-d14	244	11.356	11.362	(0.865)	763787	39.9982	40
	78 Bis(2-Ethylhexyl)phthalate	149	13.364	13.370	(1.017)	606551	17.8709	18
*	79 Perylene-d12	264	16.467	16.480	(1.000)	702770	20.0000	
	83 Benzo(a)pyrene	252	16.312	16.352	(0.991)	563748	19.7971	20

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\target1_ct\Files\chem\BNA\msr.i\R059586.b\R9597.D
Date : 25-JUL-2005 23:55
Client ID: SW-01MSB
Sample Info: 210038-3MSB
Volume Injected (uL): 1.0
Column phase: RTX-5

Instrument: msr.i
Operator: e. martin
Column diameter: 0.25



QUALITY CONTROL RESULTS

Job Number.: 210038 — Report Date.: 07/27/2005

CUSTOMER: ERM — PROJECT: RABCO PRODUCTS — ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	E05FSPK014	210038-3		07/26/2005	0207

Test Method.....: OLC02.1 — Equipment Code....: MSR — Analyst...: jdw
Method Description..: CLP BNA Extractable Organics — Batch.....: 52165

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Phenol	ug/L	30.54		40.00	0.50	U	76		40-120	
Bis(2-chloroethyl)ether	ug/L	15.33		20.00	0.50	U	77		50-110	
2-Chlorophenol	ug/L	34.07		40.00	0.50	U	85		50-110	
n-Nitroso-di-n-propylamine	ug/L	14.93		20.00	0.50	U	75		30-110	
Hexachloroethane	ug/L	13.29		20.00	0.50	U	66		20-110	
Isophorone	ug/L	14.82		20.00	0.50	U	74		50-110	
Naphthalene	ug/L	17.04		20.00	0.50	U	85		30-110	
4-Chloroaniline	ug/L	18.74		40.00	0.50	U	47		10-120	
2,4,6-Trichlorophenol	ug/L	35.16		40.00	0.50	U	88		40-120	
2,4-Dinitrotoluene	ug/L	16.60		20.00	0.50	U	83		30-120	
Diethyl phthalate	ug/L	19.72		20.00	0.50	U	99		50-120	
n-Nitrosodiphenylamine	ug/L	16.97		20.00	0.50	U	85		30-110	
Hexachlorobenzene	ug/L	15.64		20.00	0.50	U	78		40-120	
Benzo(a)pyrene	ug/L	13.27		20.00	0.50	U	66		50-120	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

STL-INC

Semivolatile REPORT OLM Compounds

Data file : \\target1_ct\Files\chem\BNA\msr.i\R059586.b\R9601.D
Lab Smp Id: 210038-3MS Client Smp ID: SW-01MS
Inj Date : 26-JUL-2005 02:07 MS Autotune Date: 13-APR-2005 12:30
Operator : e. martin Inst ID: msr.i
Smp Info : 210038-3MS
Misc Info : : MS ;51992;0.500;1.0
Comment :
Method : \\Target1_ct\Files\chem\BNA\msr.i\R059586.b\Msrolc2.m
Meth Date : 27-Jul-2005 07:26 joan Quant Type: ISTD
Cal Date : 25-JUL-2005 19:57 Cal File: R9590.D
Als bottle: 7 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: olc2.sub
Target Version: 4.10

Concentration Formula: Amt * DF * Uf * Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
*	1	1,4-Dichlorobenzene-d4	152	5.139	5.136	(1.000)	271844	20.0000	
$	2	2-Fluorophenol	112	3.923	3.927	(0.763)	458760	30.0666	30
$	3	Phenol-d5	99	4.864	4.874	(0.946)	602638	31.3747	31
	7	Phenol	94	4.877	4.880	(0.949)	595975	30.5365	31
	9	bis(2-Chloroethyl)ether	63	4.924	4.927	(0.958)	161254	15.3268	15
	10	2-Chlorophenol	128	4.971	4.974	(0.967)	540799	34.0679	34
	17	Hexachloroethane	117	5.629	5.633	(1.095)	139262	13.2930	13
	18	N-Nitroso-di-n-propylamine	70	5.582	5.599	(1.086)	129052	14.9299	15
*	20	Naphthalene-d8	136	6.388	6.392	(1.000)	849820	20.0000	
$	21	Nitrobenzene-d5	82	5.710	5.713	(0.894)	464691	31.0728	31
	23	Isophorone	82	5.945	5.962	(0.931)	368555	14.8182	15
	30	Naphthalene	128	6.408	6.412	(1.003)	655537	17.0440	17
	31	4-Chloroaniline	127	6.489	6.499	(1.016)	392650	18.7425	19
*	35	Acenaphthene-d10	164	8.141	8.145	(1.000)	482657	20.0000	
	38	2,4,6-Trichlorophenol	196	7.402	7.406	(0.909)	272558	35.1610	35
$	40	2-Fluorobiphenyl	172	7.470	7.480	(0.918)	838188	32.5337	33
	50	2,4-Dinitrotoluene	165	8.370	8.386	(1.028)	153046	16.6030	17
	54	Diethylphthalate	149	8.605	8.615	(1.057)	590158	19.7226	20
$	56	2,4,6-Tribromophenol	330	8.934	8.944	(1.097)	1077328	109.111	110(A)
*	57	Phenanthrene-d10	188	9.592	9.602	(1.000)	706848	20.0000	
	59	N-Nitrosodiphenylamine (1)	169	8.793	8.803	(0.917)	312434	16.9739	17

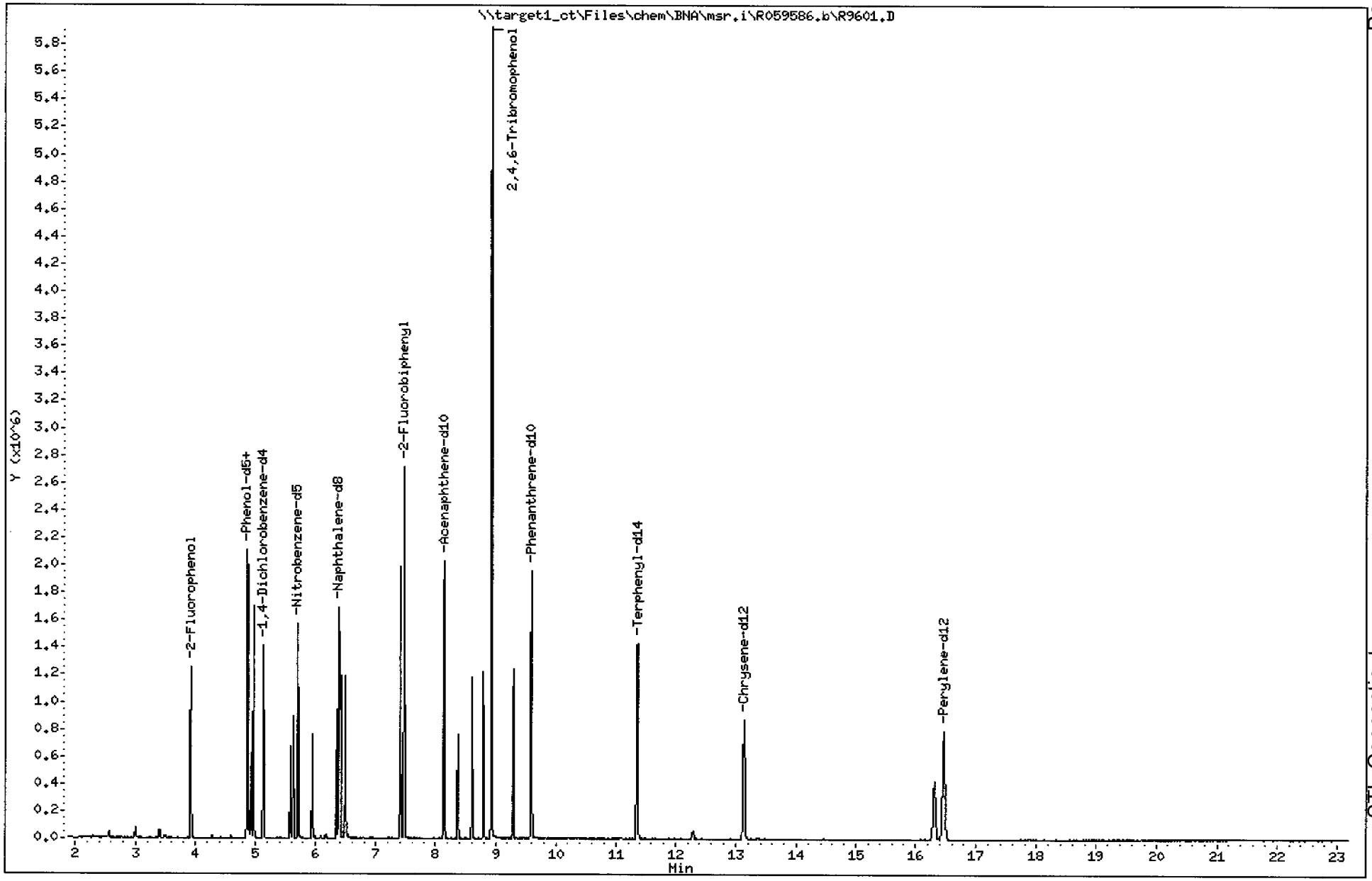
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
	62 Hexachlorobenzene	284	9.296	9.300	(0.969)	224624	15.6448	16
*	70 Chrysene-d12	240	13.138	13.155	(1.000)	502690	20.0000	
$	73 Terphenyl-d14	244	11.358	11.362	(0.865)	589501	31.5811	32
*	79 Perylene-d12	264	16.469	16.480	(1.000)	692941	20.0000	
	83 Benzo(a)pyrene	252	16.315	16.352	(0.991)	372615	13.2707	13

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\target1_ct\Files\chem\BNA\msr.i\R059586.b\R9601.D
Date : 26-JUL-2005 02:07
Client ID: SW-01MS
Sample Info: 210038-3MS
Volume Injected (uL): 1.0
Column phase: RTX-5

Instrument: msr.i
Operator: e. martin
Column diameter: 0.25



QUALITY CONTROL RESULTS

Job Number.: 210038 Report Date.: 07/27/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	E05FSPK014	210038-3		07/26/2005	0239

Test Method.....: OLC02.1 Equipment Code....: MSR Analyst...: jdw
Method Description.: CLP BNA Extractable Organics Batch.....: 52165

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Phenol	ug/L	36.38	30.54	40.00	0.50	U	91		40-120	
							17		20	
Bis(2-chloroethyl)ether	ug/L	17.00	15.33	20.00	0.50	U	85		50-110	
							10		20	
2-Chlorophenol	ug/L	39.74	34.07	40.00	0.50	U	99		50-110	
							15		20	
n-Nitroso-di-n-propylamine	ug/L	18.72	14.93	20.00	0.50	U	94		30-110	
							23		20	*
Hexachloroethane	ug/L	17.39	13.29	20.00	0.50	U	87		20-110	
							27		20	*
Isophorone	ug/L	17.47	14.82	20.00	0.50	U	87		50-110	
							16		20	
Naphthalene	ug/L	20.25	17.04	20.00	0.50	U	101		30-110	
							17		20	
4-Chloroaniline	ug/L	21.86	18.74	40.00	0.50	U	55		10-120	
							15		20	
2,4,6-Trichlorophenol	ug/L	41.36	35.16	40.00	0.50	U	103		40-120	
							16		20	
2,4-Dinitrotoluene	ug/L	18.19	16.60	20.00	0.50	U	91		30-120	
							9		20	
Diethyl phthalate	ug/L	22.34	19.72	20.00	0.50	U	112		50-120	
							12		20	
n-Nitrosodiphenylamine	ug/L	18.36	16.97	20.00	0.50	U	92		30-110	
							8		20	
Hexachlorobenzene	ug/L	18.75	15.64	20.00	0.50	U	94		40-120	
							18		20	
Benzo(a)pyrene	ug/L	14.19	13.27	20.00	0.50	U	71		50-120	
							7		20	

STL-INC

Semivolatile REPORT OLM Compounds

Data file : \\target1_ct\Files\chem\BNA\msr.i\R059586.b\R9602.D
Lab Smp Id: 210038-3MSD Client Smp ID: SW-01MSD
Inj Date : 26-JUL-2005 02:39 MS Autotune Date: 13-APR-2005 12:30
Operator : e. martin Inst ID: msr.i
Smp Info : 210038-3MSD
Misc Info : : MSD;51992;0.500;1.0
Comment :
Method : \\Target1_ct\Files\chem\BNA\msr.i\R059586.b\Msrolc2.m
Meth Date : 27-Jul-2005 07:26 joan Quant Type: ISTD
Cal Date : 25-JUL-2005 19:57 Cal File: R9590.D
Als bottle: 8 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: olc2.sub
Target Version: 4.10

Concentration Formula: Amt * DF * Uf * Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
*	1	1,4-Dichlorobenzene-d4	152	5.133	5.136	(1.000)	200213	20.0000	
$	2	2-Fluorophenol	112	3.924	3.927	(0.764)	407210	36.2363	36
$	3	Phenol-d5	99	4.864	4.874	(0.948)	516331	36.4988	36
	7	Phenol	94	4.871	4.880	(0.949)	522992	36.3843	36
	9	bis(2-Chloroethyl)ether	63	4.924	4.927	(0.959)	131756	17.0035	17
	10	2-Chlorophenol	128	4.965	4.974	(0.967)	464574	39.7367	40
	17	Hexachloroethane	117	5.630	5.633	(1.097)	134193	17.3919	17
	18	N-Nitroso-di-n-propylamine	70	5.583	5.599	(1.088)	119146	18.7154	19
*	20	Naphthalene-d8	136	6.389	6.392	(1.000)	641542	20.0000	
$	21	Nitrobenzene-d5	82	5.710	5.713	(0.894)	434643	38.4990	38
	23	Isophorone	82	5.945	5.962	(0.931)	328004	17.4693	17
	30	Naphthalene	128	6.409	6.412	(1.003)	587938	20.2492	20
	31	4-Chloroaniline	127	6.489	6.499	(1.016)	345801	21.8650	22
*	35	Acenaphthene-d10	164	8.142	8.145	(1.000)	349871	20.0000	
	38	2,4,6-Trichlorophenol	196	7.403	7.406	(0.909)	232405	41.3598	41
$	40	2-Fluorobiphenyl	172	7.470	7.480	(0.918)	752896	40.3142	40
	50	2,4-Dinitrotoluene	165	8.370	8.386	(1.028)	121519	18.1861	18
	54	Diethylphthalate	149	8.605	8.615	(1.057)	484559	22.3395	22
$	56	2,4,6-Tribromophenol	330	8.934	8.944	(1.097)	901028	125.889	130(A)
*	57	Phenanthrene-d10	188	9.592	9.602	(1.000)	517573	20.0000	
	59	N-Nitrosodiphenylamine (1)	169	8.793	8.803	(0.917)	247514	18.3644	18

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
	62 Hexachlorobenzene	284	9.297	9.300	(0.969)	197138	18.7516	19
*	70 Chrysene-d12	240	13.132	13.155	(1.000)	405653	20.0000	
$.	73 Terphenyl-d14	244	11.352	11.362	(0.864)	337703	22.4194	22
*	79 Perylene-d12	264	16.463	16.480	(1.000)	547869	20.0000	
	83 Benzo(a)pyrene	252	16.315	16.352	(0.991)	315087	14.1933	14

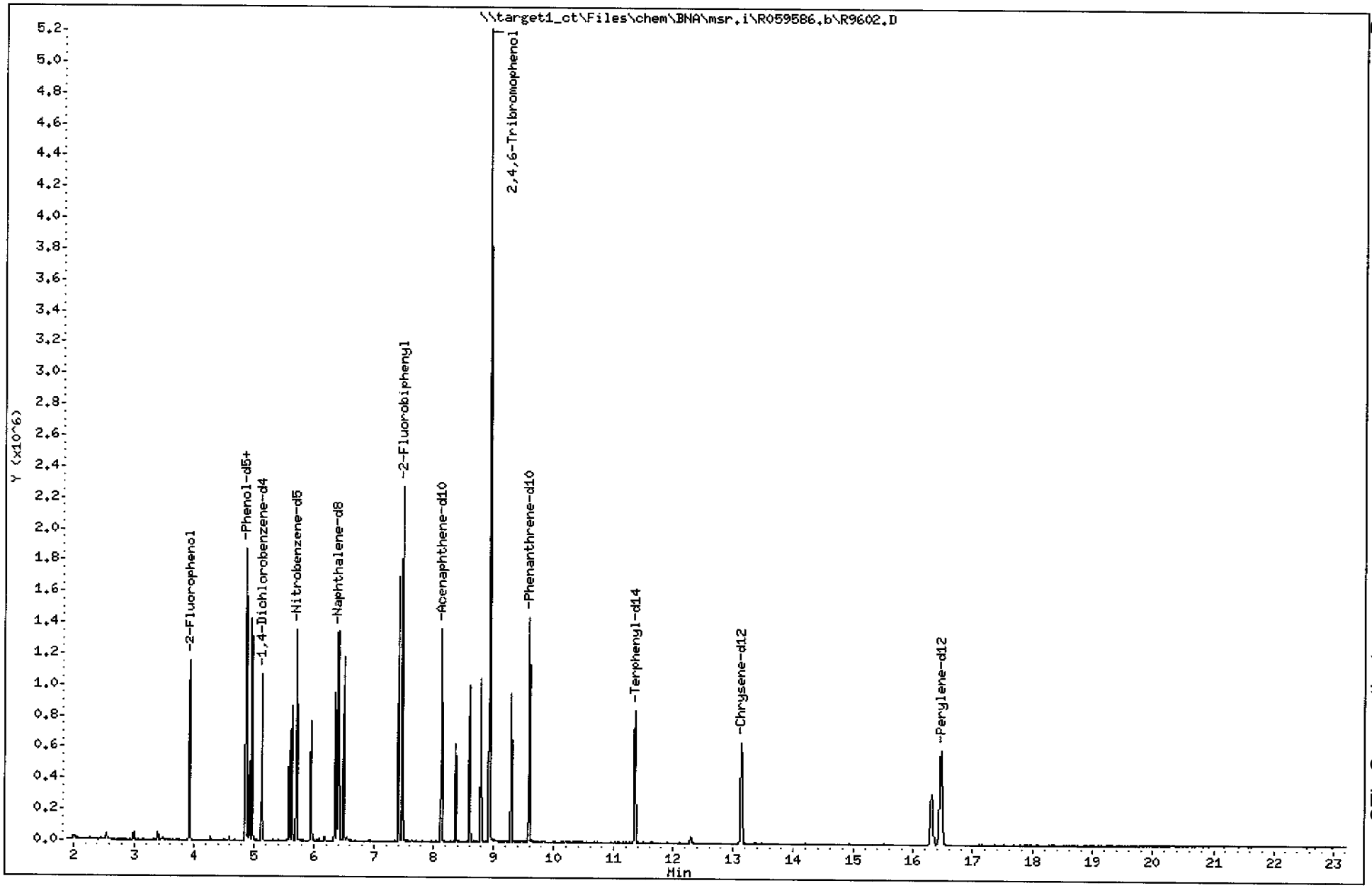
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\target1_ct\Files\chem\BNA\msr.i\R059586.b\R9602.D
Date : 26-JUL-2005 02:39
Client ID: SW-01MSD
Sample Info: 210038-3MSD
Volume Injected (uL): 1.0
Column phase: RTX-5

Instrument: msr.i

Operator: e. martin
Column diameter: 0.25



OLC BNA water

Organic Sample Preparation Log

5199 2

Parameter	OLC LIQ BNA	Ext. Meth	Cont	Na2SO4 Lot #		Extraction Date	07/20/05
Corr. MS/MSD				Alumina Lot	———	Concentration Date	07/26/05
Surrogate By	SBW			Reagent H2O Lot	RW071905	Surrogate Code	E05GSUR005
Spike By	SBW	MeCl2 Lot #		H2SO4 Lot #		Spike Code	E05FSPK014
Extracted By	SBW	Acetone Lot#	———	NaOH Lot #		Witness	
Int. Conc By		1:1 MeCL/Acet lot#	———	Cont.EXT Start time	17:35 (07/20/05)		
Final Conc By	RL			Cont. EXT Stop time	11:35 (07/21/05)		

Client	STLSample #	Sign Out COC	Init pH/Cl2	Vol/Wt Extracted Gms / (MLs)	Surr. Volume (uls)	Matrix Spike Volume (uls)	C/U	Final Extract Volume (mls)	Bottle letter	Comments
Blank	072005 -B09	N/A	7/na	1000	1000	N/A	N/A	1		
↓	072005-B09Fms	↓	↓	1000	↓	100	↓	↓		
ERM	210038 -01	SBW		1000		N/A			240690	SW03
	-02	↓		1000		↓			240703	SW-02
	-03			1000					240709	SW-01
	-03MS			1000		1000			240729	↓
	-03MSD			1000		↓			240730	
	-03MSB			1000						
↓	-04	↓	↓	1000	↓	N/A	↓	↓	240716	DUP062905

STL-Connecticut

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U. S. EPA - CLP

COVER PAGE - INORGANIC ANALYSIS DATA PACKAGE

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code: STLCT CASE No: _____ SAS No.: _____ SDG No.: _____

SOW No.: _____

EPA Sample No.	Lab Sample ID.
DUP062905	210038-4
SW-01	210038-3
SW-02	210038-2
SW-03	210038-1
TRIP BLANK	210038-5

Were ICP interelement corrections applied Yes/No Y

Were ICP background corrections applied? Yes/No Y

If yes-were raw data generated before application of background corrections Yes/No N

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the laboratory manager or the manager's designee, as verified by the following signature.

Signature: _____ Name: David C. Hilliard

Date: 7/11/05 Title: Group Leader

COVER PAGE - IN ILMO4.0

U.S. EPA - CLP

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-03

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code: STLCT CASE No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATERNY Total Lab Sample ID: 210038-1

Level (low/med): _____ Date Received: 06/30/2005

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	174	B		P
7440-36-0	Antimony	5.1	U		P
7440-38-2	Arsenic	5.4	U		P
7440-39-3	Barium	45.7	B		P
7440-41-7	Beryllium	0.90	U		P
7440-43-9	Cadmium	1.2	U		P
7440-70-2	Calcium	72900			P
7440-47-3	Chromium	1.3	U		P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	3.0	B		P
7439-89-6	Iron	294			P
7439-92-1	Lead	3.3	U		P
7439-95-4	Magnesium	15300			P
7439-96-5	Manganese	65.8			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	1.3	U		P
7440-09-7	Potassium	2540	B		P
7782-49-2	Selenium	6.7	U		P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	30800			P
7440-28-0	Thallium	13.3	U		P
7440-62-2	Vanadium	1.3	U		P
7440-66-6	Zinc	6.3	B		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

_____

_____

_____

_____

U.S. EPA - CLP

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-02

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code: STLCT CASE No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATERNY Total Lab Sample ID: 210038-2

Level (low/med): _____ Date Received: 06/30/2005

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	315			P
7440-36-0	Antimony	5.1	U		P
7440-38-2	Arsenic	5.4	U		P
7440-39-3	Barium	46.4	B		P
7440-41-7	Beryllium	0.90	U		P
7440-43-9	Cadmium	1.2	U		P
7440-70-2	Calcium	73200			P
7440-47-3	Chromium	1.3	U		P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	2.4	B		P
7439-89-6	Iron	547			P
7439-92-1	Lead	3.3	U		P
7439-95-4	Magnesium	15400			P
7439-96-5	Manganese	63.7			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	1.4	B		P
7440-09-7	Potassium	2590	B		P
7782-49-2	Selenium	6.7	U		P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	30900			P
7440-28-0	Thallium	13.3	U		P
7440-62-2	Vanadium	1.3	U		P
7440-66-6	Zinc	6.2	B		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

_____

_____

_____

_____

U.S. EPA - CLP

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-01

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code: STLCT CASE No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATERNY Total Lab Sample ID: 210038-3

Level (low/med): _____ Date Received: 06/30/2005

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	337			P
7440-36-0	Antimony	5.1	U		P
7440-38-2	Arsenic	5.4	U		P
7440-39-3	Barium	48.4	B		P
7440-41-7	Beryllium	0.90	U		P
7440-43-9	Cadmium	1.2	U		P
7440-70-2	Calcium	76300			P
7440-47-3	Chromium	1.3	U		P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	2.6	B		P
7439-89-6	Iron	588			P
7439-92-1	Lead	3.3	U		P
7439-95-4	Magnesium	16000			P
7439-96-5	Manganese	68.8			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	1.9	B		P
7440-09-7	Potassium	2730	B		P
7782-49-2	Selenium	6.7	U		P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	32100			P
7440-28-0	Thallium	13.3	U		P
7440-62-2	Vanadium	1.3	U		P
7440-66-6	Zinc	6.6	B		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM04.0

U.S. EPA - CLP

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP062905

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code: STLCT CASE No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATERNY Total Lab Sample ID: 210038-4

Level (low/med): _____ Date Received: 06/30/2005

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	315			P
7440-36-0	Antimony	5.1	U		P
7440-38-2	Arsenic	5.4	U		P
7440-39-3	Barium	48.5	B		P
7440-41-7	Beryllium	0.90	U		P
7440-43-9	Cadmium	1.2	U		P
7440-70-2	Calcium	76500			P
7440-47-3	Chromium	1.3	U		P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	2.9	B		P
7439-89-6	Iron	553			P
7439-92-1	Lead	3.3	U		P
7439-95-4	Magnesium	16100			P
7439-96-5	Manganese	70.6			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	1.4	B		P
7440-09-7	Potassium	2740	B		P
7782-49-2	Selenium	6.7	U		P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	32300			P
7440-28-0	Thallium	13.3	U		P
7440-62-2	Vanadium	1.3	U		P
7440-66-6	Zinc	21.2			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

_____

_____

_____

_____

U. S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code: STLCT CASE No:___ SAS No.: _____ SDG No.: _____

Initial Calibration Source: M05FWRK005

Continuing Calibration Source: M05FWRK006

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum	10000.0	10008.97	100.1	5000.0	5080.57	101.6	5078.72	101.6	P
Antimony	1000.0	992.30	99.2	500.0	498.88	99.8	507.20	101.4	P
Arsenic	1000.0	1059.48	105.9	500.0	525.78	105.2	529.96	106.0	P
Barium	1000.0	1018.12	101.8	500.0	515.15	103.0	519.00	103.8	P
Beryllium	1000.0	1023.45	102.3	500.0	513.48	102.7	519.07	103.8	P
Cadmium	1000.0	1013.63	101.4	500.0	510.54	102.1	520.09	104.0	P
Calcium	25000.0	25405.78	101.6	18800.0	19568.72	104.1	19685.81	104.7	P
Chromium	1000.0	1021.26	102.1	500.0	515.77	103.2	521.56	104.3	P
Cobalt	1000.0	1034.26	103.4	500.0	519.43	103.9	520.63	104.1	P
Copper	1000.0	1027.86	102.8	500.0	518.23	103.6	519.42	103.9	P
Iron	10000.0	10300.74	103.0	5000.0	5313.16	106.3	5392.28	107.8	P
Lead	1000.0	1040.69	104.1	500.0	521.18	104.2	525.43	105.1	P
Magnesium	25000.0	25031.10	100.1	18800.0	18843.88	100.2	19025.64	101.2	P
Manganese	1000.0	1013.86	101.4	500.0	516.04	103.2	526.56	105.3	P
Mercury									NR
Nickel	1000.0	1032.97	103.3	500.0	520.70	104.1	525.88	105.2	P
Potassium	50000.0	47771.03	95.5	40000.0	37550.44	93.9	37580.23	94.0	P
Selenium	1000.0	1025.45	102.5	500.0	501.21	100.2	506.88	101.4	P
Silver	100.0	89.71	89.7	50.0	51.37	102.7	50.28	100.6	P
Sodium	50000.0	47776.85	95.6	40000.0	39358.50	98.4	39477.54	98.7	P
Thallium	1000.0	1005.09	100.5	500.0	499.09	99.8	510.00	102.0	P
Vanadium	1000.0	1021.36	102.1	500.0	515.54	103.1	519.58	103.9	P
Zinc	1000.0	1013.40	101.3	500.0	515.70	103.1	521.11	104.2	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

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2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code: STLCT CASE No:___ SAS No.: _____ SDG No.: _____

Initial Calibration Source: M05FWRK005

Continuing Calibration Source: M05FWRK006

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum				5000.0	5091.57	101.8			P
Antimony				500.0	502.49	100.5			P
Arsenic				500.0	531.15	106.2			P
Barium				500.0	516.91	103.4			P
Beryllium				500.0	513.36	102.7			P
Cadmium				500.0	513.86	102.8			P
Calcium				18800.0	19569.67	104.1			P
Chromium				500.0	517.98	103.6			P
Cobalt				500.0	516.45	103.3			P
Copper				500.0	518.54	103.7			P
Iron				5000.0	5384.12	107.7			P
Lead				500.0	521.39	104.3			P
Magnesium				18800.0	18941.18	100.8			P
Manganese				500.0	522.62	104.5			P
Mercury									NR
Nickel				500.0	522.83	104.6			P
Potassium				40000.0	37675.50	94.2			P
Selenium				500.0	501.26	100.2			P
Silver				50.0	50.89	101.8			P
Sodium				40000.0	39678.77	99.2			P
Thallium				500.0	506.05	101.2			P
Vanadium				500.0	516.56	103.3			P
Zinc				500.0	518.00	103.6			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U. S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code: STLCT CASE No:___ SAS No.: _____ SDG No.: _____

Initial Calibration Source: M05GWRK001

Continuing Calibration Source: M05GWRK001

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury	5.0	4.92	98.4	5.0	4.88	97.6	4.97	99.4	CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U. S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code: STLCT CASE No:___ SAS No.: _____ SDG No.: _____

AA CRDL Standard Source: _____

ICP CRDL Standard Source: M05FWRK007

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Aluminum				200.0	187.93	94.0	191.11	95.6
Antimony				60.0	64.32	107.2	62.17	103.6
Arsenic				15.0	15.51	103.4	15.54	103.6
Barium				200.0	212.40	106.2	208.78	104.4
Beryllium				5.0	5.28	105.6	5.24	104.8
Cadmium				5.0	5.26	105.2	5.17	103.4
Calcium				5000.0	5293.70	105.9	5269.90	105.4
Chromium				10.0	10.95	109.5	10.81	108.1
Cobalt				50.0	52.15	104.3	51.60	103.2
Copper				25.0	26.02	104.1	24.90	99.6
Iron				100.0	90.02	90.0	90.85	90.8
Lead				10.0	10.29	102.9	10.72	107.2
Magnesium				5000.0	5252.97	105.0	5201.85	104.0
Manganese				15.0	16.18	107.9	16.34	108.9
Mercury								
Nickel				40.0	42.26	105.6	41.80	104.5
Potassium				5000.0	4074.37	81.5	4029.74	80.6
Selenium				35.0	38.53	110.1	37.24	106.4
Silver				10.0	10.33	103.3	10.19	101.9
Sodium				5000.0	5297.55	106.0	5241.91	104.8
Thallium				25.0	26.46	105.8	29.40	117.6
Vanadium				50.0	53.64	107.3	53.19	106.4
Zinc				60.0	63.21	105.4	63.14	105.2

Control Limits: no limits have been established by EPA at this time

3
BLANKS

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code: STLCT CASE No:___ SAS No.: _____ SDG No.: _____

Preparation Blank Matrix (soil/water): water

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	19.4	U	19.4	U	19.4	U	19.4	U	19.4	U	P
Antimony	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U	P
Arsenic	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	P
Barium	0.9	U	0.9	U	0.9	U	0.9	U	1.5	B	P
Beryllium	0.9	U	0.9	U	0.9	U	0.9	U	0.9	U	P
Cadmium	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	P
Calcium	21.0	U	21.0	U	21.0	U	21.0	U	21.0	U	P
Chromium	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	P
Cobalt	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	P
Copper	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	P
Iron	15.8	U	15.8	U	15.8	U	15.8	U	15.8	U	P
Lead	3.3	U	3.3	U	3.3	U	3.3	U	3.3	U	P
Magnesium	8.7	U	8.7	U	8.7	U	8.7	U	8.7	U	P
Manganese	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	P
Mercury	0.1	U	0.1	U	0.1	U			0.2	U	CV
Nickel	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	P
Potassium	242.0	U	242.0	U	242.0	U	242.0	U	242.0	U	P
Selenium	6.7	U	6.7	U	6.7	U	6.7	U	6.7	U	P
Silver	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	P
Sodium	23.3	U	23.3	U	23.3	U	23.3	U	23.3	U	P
Thallium	13.3	U	13.3	U	13.3	U	13.3	U	13.3	U	P
Vanadium	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	P
Zinc	2.8	U	2.8	U	2.8	U	2.8	U	6.2	B	P

4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code: STLCT CASE No:___ SAS No.: _____ SDG No.: _____

ICP ID Number: ICAP1 ICS Source: M05FWRK008/M05FWRK009

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	433840	433144.4	86.6	429385	428341.8	85.7
Antimony	0	600	7	588.4	98.1	4	577.2	96.2
Arsenic	0	100	4	97.9	97.9	4	99.5	99.5
Barium	0	500	-0	474.0	94.8	-0	467.9	93.6
Beryllium	0	500	-0	461.4	92.3	-0	457.7	91.5
Cadmium	0	1000	10	896.0	89.6	9	892.0	89.2
Calcium	500000	500000	418481	418406.0	83.7	417989	417269.2	83.4
Chromium	0	500	2	457.6	91.5	2	455.7	91.1
Cobalt	0	500	-3	447.7	89.5	-3	442.1	88.4
Copper	0	500	-0	520.0	104.0	-1	511.7	102.3
Iron	200000	200000	179736	179972.6	90.0	180788	180765.8	90.4
Lead	0	50	10	57.3	114.6	10	54.4	108.8
Magnesium	500000	500000	462903	462185.5	92.4	462023	460353.1	92.1
Manganese	0	500	-1	456.1	91.2	-1	457.9	91.6
Mercury								
Nickel	0	1000	-3	884.2	88.4	-3	880.7	88.1
Potassium								
Selenium	0	50	-8	43.3	86.6	-7	46.8	93.6
Silver	0	200	-0	200.1	100.0	-0	199.0	99.5
Sodium								
Thallium	0	100	-57	42.0	42.0	-50	40.7	40.7
Vanadium	0	500	1	466.4	93.3	1	462.6	92.5
Zinc	0	1000	-2	956.9	95.7	-2	953.6	95.4

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5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SW-01S

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code:STLCT CASE No:____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): Water Level (low/med): _____

% Solids for Sample: _____

Concentration Units (ug/L or mg/Kg dry weight): ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	933.4157		336.5417		600.00	99.5		P
Antimony	75-125	97.6111		5.1000	U	100.00	97.6		P
Arsenic	75-125	42.5291		5.4000	U	40.00	106.3		P
Barium	75-125	654.6918		48.4058	B	600.00	101.0		P
Beryllium	75-125	16.4985		0.9000	U	15.00	110.0		P
Cadmium	75-125	49.8731		1.2000	U	50.00	99.7		P
Calcium		83892.2812		76279.7734		10000.00	76.1		P
Chromium	75-125	63.3205		1.3000	U	60.00	105.5		P
Cobalt	75-125	151.8337		1.3000	U	150.00	101.2		P
Copper	75-125	79.5260		2.5658	B	75.00	102.6		P
Iron	75-125	951.6443		587.5779		300.00	121.4		P
Lead	75-125	18.9637		3.3000	U	20.00	94.8		P
Magnesium	75-125	27094.9180		16046.4932		10000.00	110.5		P
Manganese	75-125	223.7208		68.8360		150.00	103.2		P
Mercury	75-125	1.9862		0.2000	U	2.00	99.3		CV
Nickel	75-125	155.5118		1.9350	B	150.00	102.4		P
Potassium	75-125	13846.6992		2728.5361	B	10000.00	111.2		P
Selenium	75-125	56.8779		6.7000	U	50.00	113.8		P
Silver	75-125	14.0835		1.1000	U	15.00	93.9		P
Sodium	75-125	43097.9805		32101.4688		10000.00	110.0		P
Thallium	75-125	52.1721		13.3000	U	50.00	104.3		P
Vanadium	75-125	150.8462		1.3000	U	150.00	100.6		P
Zinc	75-125	172.8189		6.6275	B	150.00	110.8		P

Comments:

6
DUPLICATES

EPA SAMPLE NO.

SW-01D

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code: STLCT CASE No: ___ SAS No.: _____ SDG No.: _____

Matrix (soil/water): Water Level (low/med): _____

% Solids for Sample: _____ % Solids for Duplicate: _____

Concentration Units (ug/L or mg/Kg dry weight): ug/L

Analyte	Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum	200	336.5417		335.9109		0.2		P
Antimony		5.1000	U	5.1000	U			P
Arsenic		5.4000	U	5.4000	U			P
Barium		48.4058	B	48.4251	B	0.0		P
Beryllium		0.9000	U	0.9000	U			P
Cadmium		1.2000	U	1.2000	U			P
Calcium		76279.7734		74296.0859		2.6		P
Chromium		1.3000	U	1.3000	U			P
Cobalt		1.3000	U	1.3000	U			P
Copper		2.5658	B	2.5081	B	2.3		P
Iron		587.5779		568.2751		3.3		P
Lead		3.3000	U	3.3000	U			P
Magnesium	5000	16046.4932		15718.4287		2.1		P
Manganese	15	68.8360		67.3869		2.1		P
Mercury		0.2000	U	0.2000	U			CV
Nickel		1.9350	B	1.3782	B	33.6		P
Potassium		2728.5361	B	2656.9224	B	2.6		P
Selenium		6.7000	U	6.7000	U			P
Silver		1.1000	U	1.1000	U			P
Sodium		32101.4688		31475.6367		2.0		P
Thallium		13.3000	U	13.3000	U			P
Vanadium		1.3000	U	1.3000	U			P
Zinc		6.6275	B	11.8621	B	56.6		P

7
LABORATORY CONTROL SAMPLE

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code: STLCT CASE No:___ SAS No.: _____ SDG No.: _____

Solid LCS Source: _____

Aqueous LCS Source: M05FLCS003

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum	6000.0	5868.57	97.8						
Antimony	1000.0	995.73	99.6						
Arsenic	1000.0	1018.63	101.9						
Barium	300.0	296.76	98.9						
Beryllium	100.0	108.36	108.4						
Cadmium	300.0	299.99	100.0						
Calcium	30000.0	30084.85	100.3						
Chromium	300.0	299.07	99.7						
Cobalt	300.0	297.52	99.2						
Copper	300.0	298.13	99.4						
Iron	25000.0	25475.24	101.9						
Lead	1000.0	988.62	98.9						
Magnesium	15000.0	14978.92	99.8						
Manganese	200.0	200.76	100.4						
Mercury									
Nickel	300.0	301.72	100.6						
Potassium	20000.0	17756.19	88.8						
Selenium	500.0	539.68	107.9						
Silver	300.0	290.36	96.8						
Sodium	30000.0	30729.94	102.4						
Thallium	1000.0	985.57	98.6						
Vanadium	300.0	299.23	99.7						
Zinc	300.0	307.14	102.4						

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7
LABORATORY CONTROL SAMPLE

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code: STLCT CASE No.: ___ SAS No.: _____ SDG No.: _____

Solid LCS Source: _____

Aqueous LCS Source: M04JSTK001

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury	8.0	7.17	89.6						
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									

9

ICP SERIAL DILUTIONS

EPA SAMPLE NO.

SW-01

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code:STLCT CASE No:____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): Water Level (low/med): _____

Concentration Units:ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	336.54		350.78	B	4.2		P
Antimony	5.10	U	25.50	U			P
Arsenic	5.40	U	27.00	U			P
Barium	48.40	B	48.55	B	0.3		P
Beryllium	0.90	U	4.50	U			P
Cadmium	1.20	U	6.00	U			P
Calcium	76279.77		77080.86		1.0		P
Chromium	1.30	U	6.50	U			P
Cobalt	1.30	U	6.50	U			P
Copper	2.56	B	6.50	U	100.0		P
Iron	587.58		600.68		2.2		P
Lead	3.30	U	16.50	U			P
Magnesium	16046.49		15800.39	B	1.5		P
Manganese	68.84		70.97	B	3.1		P
Mercury							NR
Nickel	1.94	B	6.50	U	100.0		P
Potassium	2728.54	B	2330.12	B	14.6		P
Selenium	6.70	U	33.50	U			P
Silver	1.10	U	5.50	U			P
Sodium	32101.47		30746.34		4.2		P
Thallium	13.30	U	66.50	U			P
Vanadium	1.30	U	6.50	U			P
Zinc	6.63	B	34.04	B	413.4		P

U.S. EPA-CLP
10
INSTRUMENT DETECTION LIMITS

Lab Name: STL Contract: _____

Lab Code: STL Case No. : _____ SAS No.:_____ SDG No.:

ICP ID Number: 1 Date: 02/16/05

Analyte	Wavelength (nm)	Background	CRDL (ug/L)	IDL (ug/L)	M
Aluminum	308.20		200.0	19.4	P
Antimony	206.83		60.0	5.1	P
Arsenic	189.00		10.0	5.4	P
Barium	493.40		200.0	0.9	P
Beryllium	313.00		5.0	0.9	P
Cadmium	226.50		5.0	1.2	P
Calcium	317.93		5000.0	21	P
Chromium	267.70		10.0	1.3	P
Cobalt	228.61		50.0	1.3	P
Copper	324.75		25.0	1.3	P
Iron	271.44		100.0	15.8	P
Lead	220.35		3.0	3.3	P
Magnesium	279.07		5000.0	8.7	P
Manganese	257.61		15.0	0.8	P
Mercury	253.70		.2	0.10	CV
Nickel	231.60		40.0	1.3	P
Potassium	766.49		5000.0	242	P
Selenium	196.02		5.0	6.7	P
Silver	328.06		10.0	1.1	P
Sodium	588.90		5000.0	23.3	P
Thallium	190.80		10.0	13.3	P
Vanadium	292.40		50.0	1.3	P
Zinc	213.85		20.0	2.8	P

Comments:

_____
_____
_____
_____

FORM X – IN ILM04.0

U.S. EPA-CLP
11A
ICP Interelement Correction Factors

Lab Name: STL Contract: _____

Lab Code: STL Case No: _____ SAS No: _____ SDG No.:

ICP ID: ICAP Date: 01/09/05

Analyte	Wavelength (nm)	Inter-element Correction Factors:				
		Al	Ca	Fe	Mg	Ag
Aluminum	308.20					
Antimony	206.83					
Arsenic	189.00					
Barium	493.40					
Beryllium	313.00					
Cadmium	226.50					
Calcium	317.93					
Chromium	267.70			.0025		
Cobalt	228.61			.08		
Copper	324.75					-.000153
Iron	271.44					
Lead	220.35					
Magnesium	279.07			-.00051		
Manganese	257.61				-.0077	.00005
Mercury	253.70					
Nickel	231.60					
Potassium	766.49					
Selenium	196.02					
Silver	328.06					
Sodium	588.90					
Thallium	190.80					
Vanadium	292.40	.0165		.008		-.000408
Zinc	213.85					

Comments:

FORM XI (Part 1) – IN

U.S. EPA-CLP
11B
ICP Interelement Correction Factors (Annually)

Lab Name: STL _____ Contract: _____

Lab Code: STL _____ Case No: _____ SAS No: _____ SDG No.:

ICP ID: ICAP Date: 01/09/05

Analyte	Wavelength (nm)	Inter-element Correction Factors:				
		As	B	Ba	Be	Cd
Aluminum	308.20			.000001		
Antimony	206.83					
Arsenic	189.00					
Barium	493.40					
Beryllium	313.00					
Cadmium	226.50					
Calcium	317.93					
Chromium	267.70	-.00142				
Cobalt	228.61		.001			-.000017
Copper	324.75					
Iron	271.44	-.000011	-.000204	.000004		.000108
Lead	220.35					
Magnesium	279.07					
Manganese	257.61					
Mercury	253.70					
Nickel	231.60					.000057
Potassium	766.49					
Selenium	196.02					
Silver	328.06					
Sodium	588.90					
Thallium	190.80					
Vanadium	292.40				.00203	
Zinc	213.85					

Comments:

FORM XI (Part 2) – IN

U.S. EPA-CLP
11B
ICP Interelement Correction Factors (Annually)

Lab Name: STL Contract: _____

Lab Code: STL Case No: _____ SAS No: _____ SDG No.:

ICP ID: ICAP Date: 01/09/05

Analyte	Wavelength (nm)	Inter-element Correction Factors:				
		Co	Cr	Cu	K	Mn
Aluminum	308.20					.000005
Antimony	206.83		.000025			
Arsenic	189.00					
Barium	493.40	.000415				
Beryllium	313.00					
Cadmium	226.50		-.000271			
Calcium	317.93					
Chromium	267.70					
Cobalt	228.61					
Copper	324.75					
Iron	271.44	.000008				.000015
Lead	220.35					
Magnesium	279.07		.000004			.00003
Manganese	257.61		.000047			
Mercury	253.70					
Nickel	231.60	.00018				
Potassium	766.49					
Selenium	196.02					
Silver	328.06					
Sodium	588.90					
Thallium	190.80					
Vanadium	292.40		-.000217	-.000098		-.000166
Zinc	213.85					

Comments:

FORM XI (Part 2) – IN

U.S. EPA-CLP
11B
ICP Interelement Correction Factors (Annually)

Lab Name: STL Contract: _____

Lab Code: STL Case No: _____ SAS No: _____ SDG No.:

ICP ID: ICAP Date: 01/09/05

Analyte	Wavelength (nm)	Inter-element Correction Factors:				
		Mo	Na	Ni	Pb	Sb
Aluminum	308.20				-.000174	
Antimony	206.83			.00002		
Arsenic	189.00					
Barium	493.40					
Beryllium	313.00					
Cadmium	226.50					
Calcium	317.93				-.000006	
Chromium	267.70				-.000014	.00467
Cobalt	228.61			-.00236	-.00036	
Copper	324.75					
Iron	271.44			.00001	.000067	.000025
Lead	220.35					
Magnesium	279.07				.00001	
Manganese	257.61					
Mercury	253.70					
Nickel	231.60				.000625	-.000075
Potassium	766.49					
Selenium	196.02					
Silver	328.06					
Sodium	588.90					
Thallium	190.80			.0002		
Vanadium	292.40				.000035	-.00219
Zinc	213.85					

Comments:

FORM XI (Part 2) – IN

U.S. EPA-CLP
11B
ICP Interelement Correction Factors (Annually)

Lab Name: STL Contract: _____

Lab Code: STL Case No: _____ SAS No: _____ SDG No.:

ICP ID: ICAP Date: 01/09/05

Analyte	Wavelength (nm)	Inter-element Correction Factors:				
		Se	Sn	Ti	Tl	V
Aluminum	308.20	-.000016				
Antimony	206.83	.000132				
Arsenic	189.00					
Barium	493.40					
Beryllium	313.00					
Cadmium	226.50					
Calcium	317.93					
Chromium	267.70	-.0001		.00017	.000425	
Cobalt	228.61	-.000924			.00251	
Copper	324.75					
Iron	271.44	-.000032			-.000051	.000035
Lead	220.35					
Magnesium	279.07			.000007		-.000008
Manganese	257.61				-.0022	
Mercury	253.70					
Nickel	231.60					
Potassium	766.49					
Selenium	196.02					
Silver	328.06					
Sodium	588.90					
Thallium	190.80					
Vanadium	292.40	-.00023				
Zinc	213.85					

Comments:

FORM XI (Part 2) – IN

U.S. EPA-CLP
11B
ICP Interelement Correction Factors (Annually)

Lab Name: STL Contract: _____

Lab Code: STL Case No: _____ SAS No: _____ SDG No.:

ICP ID: ICAP Date: 01/09/05

Analyte	Wavelength (nm)	Inter-element Correction Factors:				
		Zn	Zr			
Aluminum	308.20					
Antimony	206.83					
Arsenic	189.00					
Barium	493.40					
Beryllium	313.00					
Cadmium	226.50					
Calcium	317.93		.000185			
Chromium	267.70	-.00015				
Cobalt	228.61					
Copper	324.75	.0013				
Iron	271.44	.000108				
Lead	220.35					
Magnesium	279.07					
Manganese	257.61					
Mercury	253.70					
Nickel	231.60	.0035				
Potassium	766.49					
Selenium	196.02					
Silver	328.06					
Sodium	588.90					
Thallium	190.80					
Vanadium	292.40					
Zinc	213.85					

Comments:

U.S. EPA-CLP
12
ICP Linear Ranges

Lab Name: STL Contract: _____

Lab Code: STL Case No. : _____ SAS No.: _____ SDG No.:

ICP ID: ICAP Date: 01/09/05

Analyte	Concentration (ug/L)	M
Aluminum	500000.0	P
Antimony	15000.0	P
Arsenic	15000.0	P
Barium	15000.0	P
Beryllium	15000.0	P
Cadmium	15000.0	P
Calcium	500000.0	P
Chromium	15000.0	P
Cobalt	15000.0	P
Copper	15000.0	P
Iron	500000.0	P
Lead	15000.0	P
Magnesium	500000.0	P
Manganese	15000.0	P
Mercury		NR
Nickel	15000.0	P
Potassium	100000.0	P
Selenium	15000.0	P
Silver	1500.0	P
Sodium	250000.0	P
Thallium	15000.0	P
Vanadium	15000.0	P
Zinc	15000.0	P

Comments:

FORM XII – IN

13
PREPARATION LOG

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code:STLCT CASE No:____ SAS No.: _____ SDG No.: _____

Method: P

EPA Sample No.	Preparation Date	Weight (~~gram~~ ML)	Volume (ml)
LCSW	07/08/2005	50	50
MBW	07/08/2005		
UP062905	07/11/2005		
SW-01D	07/11/2005		
SW-01S	07/11/2005		
SW-02	07/11/2005		
SW-03	07/11/2005		

U. S. EPA - CLP

13
PREPARATION LOG

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code:STLCT CASE No:____ SAS No.: _____ SDG No.: _____

Method: CV

EPA Sample No.	Preparation Date	Weight (~~gram~~ mL)	Volume (ml)
LCSW	07/07/2005	25	50
MBW	07/07/2005	25	50
UP062905	07/07/2005	25	50
SW-01D	07/07/2005	25	50
SW-01S	07/07/2005	25	50
SW-02	07/07/2005	25	50
SW-03	07/07/2005	25	50

14
ANALYSIS RUN LOG

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code:STLCT CASE No:____ SAS No.: _____ SDG No.: _____

Instrument ID Number: ICAP1 Method: P

Start Date: 07/12/2005 End Date: 07/12/2005

EPA Sample No.	D/F	Time	% R	Analytes																						
				AG	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CR	CU	FE	K	MG	MN	MO	NA	NI	PB	SB
ICV	1.00	0955			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB	1.00	1001			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI	1.00	1007			X	X	X		X	X		X	X	X	X	X	X	X	X	X		X	X	X	X
ICSA	1.00	1013				X						X					X		X						
ICSAB	1.00	1019			X	X	X		X	X		X	X	X	X	X	X		X	X			X	X	X
CCV	1.00	1025			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB	1.00	1031			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB	1.00	1037			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCSW	1.00	1043			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
SW-03	1.00	1049			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
SW-02	1.00	1055			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
SW-01	1.00	1101			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
SW-01D	1.00	1107			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
SW-01S	1.00	1113			X	X	X		X	X		X	X	X	X	X	X	X	X	X		X	X	X	X
SW-01A	1.00	1119																							
SW-01L	1.00	1126			X	X	X		X	X		X	X	X	X	X	X	X	X	X		X	X	X	X
DUP062905	1.00	1132			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV	1.00	1138			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB	1.00	1144			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI	1.00	1150			X	X	X		X	X		X	X	X	X	X	X	X	X	X		X	X	X	X
ICSA	1.00	1156				X						X					X		X						
ICSAB	1.00	1202			X	X	X		X	X		X	X	X	X	X	X		X	X			X	X	X
CCV	1.00	1208			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB	1.00	1214			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X

U. S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code:STLCT CASE No:____ SAS No.: _____ SDG No.: _____

Instrument ID Number: ICAP1 Method: P

Start Date: 07/12/2005 End Date: 07/12/2005

EPA Sample No.	D/F	Time	% R	Analytes																					
				SE	SI	SN	SR	TI	TL	V	ZN	ZR													
ICV	1.00	0955		X	X	X	X	X	X	X	X	X													
ICB	1.00	1001		X	X	X	X	X	X	X	X														
CRI	1.00	1007		X					X	X	X														
ICSA	1.00	1013																							
ICSAB	1.00	1019		X					X	X	X														
CCV	1.00	1025		X	X	X	X	X	X	X	X	X													
CCB	1.00	1031		X	X	X	X	X	X	X	X														
MB	1.00	1037		X	X	X	X	X	X	X	X														
LCSW	1.00	1043		X	X			X	X	X	X														
SW-03	1.00	1049		X	X	X	X	X	X	X	X	X													
SW-02	1.00	1055		X	X	X	X	X	X	X	X	X													
SW-01	1.00	1101		X	X	X	X	X	X	X	X	X													
SW-01D	1.00	1107		X	X	X	X	X	X	X	X														
SW-01S	1.00	1113		X					X	X	X														
SW-01A	1.00	1119																							
SW-01L	1.00	1126		X					X	X	X														
DUP062905	1.00	1132		X	X	X	X	X	X	X	X	X													
CCV	1.00	1138		X	X	X	X	X	X	X	X	X													
CCB	1.00	1144		X	X	X	X	X	X	X	X														
CRI	1.00	1150		X					X	X	X														
ICSA	1.00	1156																							
ICSAB	1.00	1202		X					X	X	X														
CCV	1.00	1208		X	X	X	X	X	X	X	X	X													
CCB	1.00	1214		X	X	X	X	X	X	X	X														

14
ANALYSIS RUN LOG

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code:STLCT CASE No:____ SAS No.: _____ SDG No.: _____

Instrument ID Number: MERC1 Method: CV

Start Date: 07/08/2005 End Date: 07/08/2005

EPA Sample No.	D/F	Time	% R	Analytes
				HG
ICV	1.00	1616		X
ICB	1.00	1617		X
MB	1.00	1618		X
LCSW	1.00	1619		X
ZZZZZZ	1.00	1620		
ZZZZZZ	1.00	1621		
ZZZZZZ	1.00	1622		
ZZZZZZ	1.00	1623		
ZZZZZZ	1.00	1624		
SW-03	1.00	1625		X
SW-02	1.00	1626		X
SW-01	1.00	1627		X
CCV	1.00	1628		X
CCB	1.00	1629		X
SW-01D	1.00	1630		X
SW-01S	1.00	1631		X
DUP062905	1.00	1632		X
CCV	1.00	1642		X
CCB	1.00	1643		X

able Name: D071205 Autosampler Type: TYPE TJA
ample Positions: 138/192 QC Positions: 0/19 # Sets: 1
inse Station location is rack -1, pos. -1.

-- Racks ---

ack #	Type	Usage	#Pos Left	Analyses/Pos
1	Aux. (L) Rack	STD/QC/BLANK	0	10
2	Sample (16mm)	Samples	0	1
3	Sample (16mm)	Samples	42	1
4	Sample (16mm)	Samples	48	1
5	Sample (16mm)	Samples	48	1

-- Sample Sets ---

et#	Type	Prepare?	Description	Method	#Pos	Rack#	StartPos
1	Normal	No		STL3	54	2	1

-- Preparation Info ---

et#	Uptake	Uptake#2	Final	Dil.Factor

o Samples Prepared.

ack #1

os	Row	Col	Sample Name	Set #	#Used	Type
1	1	1	STD2	-NA-	1	Standard
2	1	2	STD1	-NA-	1	Standard
3	1	3	ICVM05FWRK005	-NA-	1	QC Standard
4	1	4	ICB	-NA-	1	QC Standard
5	1	5	CRIM05FWRK007	-NA-	2	QC Standard
6	1	6	ISAM05FWRK008	-NA-	2	QC Standard
7	1	7	ISBM05FWRK009	-NA-	2	QC Standard
8	1	8	CCVM05FWRK006	-NA-	2	QC Standard
9	1	9	CCB	-NA-	2	QC Standard
10	1	10	CCV2	-NA-	1	QC Standard
11	1	11	CCB2	-NA-	1	QC Standard
12	1	12	CCV3	-NA-	1	QC Standard
13	1	13	CCB3	-NA-	1	QC Standard
14	1	14	CCV4	-NA-	1	QC Standard
15	1	15	CCB4	-NA-	1	QC Standard
16	1	16	CCV5	-NA-	1	QC Standard
17	1	17	CCB5	-NA-	1	QC Standard
18	1	18	CCV6	-NA-	1	QC Standard
19	1	19	CCB6	-NA-	1	QC Standard

Rack #2

Pos	Row	Col	Sample Name	Set #	#Used	Type
1	1	1	MB	1	-NA-	Sample
2	1	2	LCSM05FLCS003	1	-NA-	Sample
3	1	3	210038-1 T	1	-NA-	Sample
4	1	4	210038-2 T	1	-NA-	Sample
5	1	5	210038-3 T	1	-NA-	Sample
6	1	6	210038-3 T MD	1	-NA-	Sample
7	1	7	210038-3 T MS	1	-NA-	Sample
8	1	8	210038-3 T PDS	1	-NA-	Sample
9	1	9	210038-3 T SD 5	1	-NA-	Sample
10	1	10	210038-4 T	1	-NA-	Sample
11	1	11	210054-1	1	-NA-	Sample
12	1	12	210054-2	1	-NA-	Sample
13	2	1	210054-3	1	-NA-	Sample
14	2	2	210054-4	1	-NA-	Sample
15	2	3	210054-5	1	-NA-	Sample
16	2	4	210054-6	1	-NA-	Sample
17	2	5	210054-6 D	1	-NA-	Sample
18	2	6	210054-7	1	-NA-	Sample
19	2	7	210054-8	1	-NA-	Sample
20	2	8	210054-9	1	-NA-	Sample
21	2	9	210054-11	1	-NA-	Sample
22	2	10	210054-11 D	1	-NA-	Sample
23	2	11	210054-12	1	-NA-	Sample
24	2	12	210054-12 D	1	-NA-	Sample
25	3	1	210054-13	1	-NA-	Sample
26	3	2	210054-13 D	1	-NA-	Sample
27	3	3	210054-14	1	-NA-	Sample
28	3	4	210054-14 D	1	-NA-	Sample
29	3	5	210054-15	1	-NA-	Sample
30	3	6	210054-16	1	-NA-	Sample
31	3	7	210054-16 MD	1	-NA-	Sample
32	3	8	210054-16 MS	1	-NA-	Sample
33	3	9	210054-16 D	1	-NA-	Sample
34	3	10	MB	1	-NA-	Sample
35	3	11	LCSM05FLCS003	1	-NA-	Sample
36	3	12	210078-1	1	-NA-	Sample
37	4	1	210078-1 MD	1	-NA-	Sample
38	4	2	210078-1 MS	1	-NA-	Sample
39	4	3	210078-1 PDS	1	-NA-	Sample
40	4	4	210078-1 SD 5	1	-NA-	Sample
41	4	5	210078-2	1	-NA-	Sample
42	4	6	210078-3	1	-NA-	Sample
43	4	7	210078-4	1	-NA-	Sample
44	4	8	210078-6	1	-NA-	Sample
45	4	9	210078-7	1	-NA-	Sample
46	4	10	210078-8	1	-NA-	Sample
47	4	11	210078-10	1	-NA-	Sample
48	4	12	210078-11	1	-NA-	Sample

Rack #3

Pos	Row	Col	Sample Name	Set #	#Used	Type
1	1	1	210078-12	1	-NA-	Sample
2	1	2	210078-13	1	-NA-	Sample
3	1	3	(empty)	1	-NA-	-NA-
4	1	4	(empty)	1	-NA-	-NA-
5	1	5	(empty)	1	-NA-	-NA-
6	1	6	(empty)	1	-NA-	-NA-
7...48	Not Used)					

Rack #4

Pos	Row	Col	Sample Name	Set #	#Used	Type
1...48	Not Used)					

Rack #5

Pos	Row	Col	Sample Name	Set #	#Used	Type
1...48	Not Used)					

Method: STL3 Standard: STD1
Run Time: 07/12/05 09:43:50

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Avge	-.00047	.04704	-.00179	.1066	.00120	.00302	.01538
SDev	.00029	.00073	.00102	.0016	.00061	.00004	.00015
%RSD	62.270	1.5545	57.098	1.528	50.918	1.2736	1.0012
#1	-.00067	.04787	-.00063	.1084	.00187	.00307	.01520
#2	-.00060	.04680	-.00257	.1063	.00107	.00300	.01547
#3	-.00013	.04647	-.00217	.1052	.00067	.00300	.01547

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Avge	.00067	-.00076	.00033	.01580	.00080	.18600	.00064
SDev	.00035	.00028	.00024	.00057	.00013	.00238	.00020
%RSD	52.915	36.735	72.111	3.6051	16.667	1.2788	31.604
#1	.00080	-.00107	.00007	.01633	.00093	.18340	.00047
#2	.00093	-.00053	.00040	.01587	.00080	.18653	.00087
#3	.00027	-.00067	.00053	.01520	.00067	.18807	.00060

Elem	Mn2576	Mo2020	Na5889	Ni2316	Sb2068	Tl1908	2203/1
Avge	.00038	.00053	.08302	-.00038	.00102	-.00076	.02969
SDev	.00004	.00020	.00108	.00010	.00042	.00010	.00473
%RSD	10.189	37.500	1.2981	26.956	41.419	13.478	15.929
#1	.00040	.00053	.08187	-.00040	.00127	-.00073	.02733
#2	.00040	.00073	.08320	-.00027	.00127	-.00087	.03513
#3	.00033	.00033	.08400	-.00047	.00053	-.00067	.02660

Elem	2203/2	1960/1	1960/2	V_2924	Zn2138	Si2881	Sn1899
Avge	-.00129	-.01324	.00669	-.00060	-.00040	.01700	-.00169
SDev	.00126	.00245	.00060	.00007	.00007	.00013	.00021
%RSD	97.775	18.462	8.9331	11.111	16.667	.78431	12.689
#1	-.00173	-.01600	.00700	-.00067	-.00040	.01713	-.00193
#2	-.00227	-.01133	.00707	-.00053	-.00033	.01700	-.00153
#3	.00013	-.01240	.00600	-.00060	-.00047	.01687	-.00160

Elem	Sr4215	Ti3349	Zr3496
Avge	.0218	.00058	-.0023
SDev	.0001	.00014	.0005
%RSD	.3538	24.019	21.86
#1	.0217	.00073	-.0028
#2	.0218	.00047	-.0018
#3	.0218	.00053	-.0023

Method: STL3 Standard: STD2
Run Time: 07/12/05 09:49:52

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Avge	.17164	1.9762	.41188	1.680	4.6242	1.7866	9.4484
SDev	.00053	.0092	.00217	.004	.0065	.0046	.0409
%RSD	.31152	.46386	.52740	.2595	.14087	.25487	.43288
#1	.17113	1.9661	.41241	1.675	4.6171	1.7827	9.4055
#2	.17160	1.9841	.40950	1.683	4.6300	1.7856	9.4527
#3	.17220	1.9784	.41374	1.681	4.6253	1.7916	9.4870

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Avge	3.6952	.96771	1.3490	1.9366	.60722	8.5022	6.6720
SDev	.0106	.00347	.0044	.0032	.00159	.0365	.0145
%RSD	.28776	.35879	.32861	.16301	.26196	.42872	.21787
#1	3.6831	.96413	1.3443	1.9333	.60540	8.4651	6.6552
#2	3.6998	.96793	1.3496	1.9395	.60793	8.5380	6.6799
#3	3.7028	.97107	1.3531	1.9371	.60833	8.5035	6.6808

Elem	Mn2576	Mo2020	Na5889	Ni2316	Sb2068	Tl1908	2203/1
Avge	1.1163	.24458	61.486	1.0708	.34307	.06591	2.5007
SDev	.0032	.00102	.239	.0039	.00125	.00028	.0077
%RSD	.28675	.41637	.38899	.36357	.36303	.42111	.30634
#1	1.1131	.24347	61.236	1.0665	.34420	.06560	2.4948
#2	1.1162	.24480	61.713	1.0741	.34327	.06613	2.4979
#3	1.1195	.24547	61.508	1.0718	.34173	.06600	2.5093

Elem	2203/2	1960/1	1960/2	V_2924	Zn2138	Si2881	Sn1899
Avge	.88918	.57478	.63722	.29451	.61742	.12802	.32778
SDev	.00509	.00741	.00264	.00081	.00230	.00027	.00054
%RSD	.57278	1.2893	.41379	.27383	.37238	.21045	.16440
#1	.88333	.56627	.63573	.29360	.61493	.12773	.32747
#2	.89153	.57980	.63567	.29480	.61787	.12827	.32840
#3	.89267	.57827	.64027	.29513	.61947	.12807	.32747

Elem	Sr4215	Ti3349	Zr3496
Avge	10.42	4.6670	8.386
SDev	.02	.0091	.029
%RSD	.1838	.19593	.3500
#1	10.40	4.6569	8.353
#2	10.43	4.6694	8.395
#3	10.43	4.6747	8.409

ethod: STL3 Slope = Conc(SIR)/IR

lement	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
g3280	328.068	STD2	STD1	579.724	.270538	07/12/05 09:49:52
l3082	308.215	STD2	STD1	5708.59	-268.557	07/12/05 09:49:52
s1890	189.042	STD2	STD1	2414.04	4.32611	07/12/05 09:49:52
_2496	249.678	STD2	STD1	637.564	-67.9785	07/12/05 09:49:52
a4934	493.409	STD2	STD1	216.324	-.259588	07/12/05 09:49:52
e3130	313.042	STD2	STD1	560.399	-1.69365	07/12/05 09:49:52
a3179	317.933	STD2	STD1	5300.53	-81.5103	07/12/05 09:49:52
d2265	226.502	STD2	STD1	271.173	-.180782	07/12/05 09:49:52
o2286	228.616	STD2	STD1	1032.66	.780235	07/12/05 09:49:52
r2677	267.716	STD2	STD1	741.326	-.247109	07/12/05 09:49:52
u3247	324.753	STD2	STD1	520.623	-8.22585	07/12/05 09:49:52
e2714	271.441	STD2	STD1	18261.6	-14.6093	07/12/05 09:49:52
_7664	766.491	STD2	STD1	6012.35	-1118.30	07/12/05 09:49:52
g2790	279.078	STD2	STD1	7493.60	-4.82921	07/12/05 09:49:52
n2576	257.610	STD2	STD1	897.018	-.338873	07/12/05 09:49:52
o2020	202.030	STD2	STD1	4097.61	-2.18539	07/12/05 09:49:52
a5889	588.995	STD2	STD1	814.295	-67.6046	07/12/05 09:49:52
i2316	231.604	STD2	STD1	932.369	.352228	07/12/05 09:49:52
e1960	196.026	NONE	NONE	1.00000	.000000	*NOT STANDARDIZED
b2203	220.353	NONE	NONE	1.00000	.000000	*NOT STANDARDIZED
b2068	206.838	STD2	STD1	2915.00	-2.97977	07/12/05 09:49:52
l1908	190.864	STD2	STD1	14692.2	11.1008	07/12/05 09:49:52
203/1	220.351	STD2	STD1	405.919	-12.0513	07/12/05 09:49:52
203/2	220.352	STD2	STD1	1119.31	1.44266	07/12/05 09:49:52
960/1	196.021	STD2	STD1	1704.24	22.5717	07/12/05 09:49:52
960/2	196.022	STD2	STD1	1578.82	-10.5605	07/12/05 09:49:52
_2924	292.402	STD2	STD1	3349.53	2.00972	07/12/05 09:49:52
n2138	213.856	STD2	STD1	1631.16	.652462	07/12/05 09:49:52
i2881	288.158	STD2	STD1	8967.30	-152.444	07/12/05 09:49:52
n1899	189.989	STD2	STD1	3032.54	5.12162	07/12/05 09:49:52
r4215	421.552	STD2	STD1	96.3380	-2.09589	07/12/05 09:49:52
i3349	334.941	STD2	STD1	214.287	-.123810	07/12/05 09:49:52
r3496	349.621	STD2	STD1	119.219	.272878	07/12/05 09:49:52

Method: STL3 Sample Name: ICVM05FWRK005 Operator: DWH
Run Time: 07/12/05 09:55:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	89.71249	10008.97	1059.478	993.6040	1018.117	1023.451	25405.78
SDev	.66499	14.30	6.150	1.2053	.354	2.898	80.22
%RSD	.7412444	.1428429	.5804466	.1213022	.0348167	.2831938	.3157547
#1	90.23999	10011.80	1053.221	993.3839	1017.780	1020.114	25316.85
#2	89.93199	9993.467	1065.514	992.5240	1018.487	1024.895	25427.81
#3	Q88.96551	10021.64	1059.699	994.9042	1018.083	1025.343	25472.69

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1013.633	1034.265	1021.257	1027.862	10300.74	47771.03	25031.10
SDev	1.453	2.412	2.589	.573	18.20	49.84	30.31
%RSD	.1433943	.2332302	.2534786	.0557947	.1766927	.1043397	.1210942
#1	1012.154	1031.527	1018.308	1028.244	10279.92	47827.41	25012.60
#2	1013.685	1035.186	1022.312	1027.202	10313.62	47732.82	25014.61
#3	1015.060	1036.080	1023.152	1028.139	10308.69	47752.86	25066.08

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1013.855	1022.036	47776.85	1032.971	1025.447	1040.693	992.3002
SDev	1.587	3.166	83.50	3.232	5.596	6.581	4.8016
%RSD	.1564996	.3097877	.1747713	.3128845	.5456997	.6323916	.4838832
#1	1012.221	1018.394	47831.79	1030.003	1030.966	1033.906	995.5151
#2	1013.955	1024.130	47680.76	1032.497	1019.778	1041.124	994.6047
#3	1015.390	1023.584	47818.00	1036.414	1025.596	1047.047	986.7808

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1005.092	1038.676	1041.699	1029.440	1023.452	1021.363	1013.401
SDev	4.235	5.378	7.275	7.373	6.331	2.753	2.719
%RSD	.4213578	.5177552	.6983855	.7161988	.6186193	.2695856	.2683337
#1	1009.950	1033.896	1033.910	1031.486	1030.706	1018.194	1010.262
#2	1002.176	1037.632	1042.867	1021.260	1019.036	1023.173	1015.036
#3	1003.151	1044.499	1048.319	1035.573	1020.614	1022.721	1014.906

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	1080.214	1044.794	1003.393	998.7024	1014.979
SDev	1.746	6.012	.778	.7458	1.707
%RSD	.1615904	.5754663	.0775324	.0746809	.1682161
#1	1079.193	1039.268	1002.502	997.8643	1013.090
#2	1079.218	1051.197	1003.732	999.2929	1015.435
#3	1082.229	1043.917	1003.943	998.9501	1016.412

Method: STL3 Sample Name: ICB Operator: DWH
Run Time: 07/12/05 10:01:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4130213	-9.27661	3.110992	-5.98055	-.081742	.0124922	1.413477
SDev	.1177812	.78644	1.816720	.57869	.022027	.0216630	.204021
%RSD	28.51697	8.477660	58.39682	9.676180	26.94740	173.4126	14.43397
#1	.3103013	-8.64939	3.750777	-5.32877	-.057707	.0249742	1.531269
#2	.5415749	-10.1589	4.521267	-6.17887	-.086553	.0250244	1.177894
#3	.3871876	-9.02152	1.060932	-6.43400	-.100966	-.012522	1.531269

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.031369	.2816459	.0328544	-.115991	7.272828	28.19116	3.996892
SDev	.135694	.2785940	.1029039	.052927	1.242953	3.00840	2.019135
%RSD	432.5733	98.91640	313.2121	45.63022	17.09037	10.67142	50.51763
#1	.1253171	.2389196	.1482090	-.069871	7.272806	26.45426	6.161557
#2	-.109935	.0268833	-.000141	-.104324	8.515793	31.66496	2.164508
#3	-.109489	.5791350	-.049505	-.173779	6.029886	26.45426	3.664612

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0397008	2.913859	2.352405	.2062659	1.691072	-.030157	.8561135
SDev	.0915376	1.290971	1.064252	.1995594	4.161372	.867786	2.146473
%RSD	230.5687	44.30452	45.24101	96.74864	246.0789	2877.530	250.7229
#1	.0196362	4.370789	3.347655	.3516005	3.995713	-.066559	-1.39619
#2	-.040140	1.912220	2.479071	.2884609	-3.11275	.8552565	2.878191
#3	.1396063	2.458568	1.230489	-.021264	4.190256	-.879169	1.086344

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.194594	1.302013	-.696043	.6441281	2.212760	.4064421	-.036948
SDev	1.696335	2.530684	.042168	4.053734	4.223484	.1396844	.166648
%RSD	23.57791	194.3671	6.058258	629.3367	190.8695	34.36761	451.0307
#1	5.235836	1.239422	-.719371	2.575813	4.703599	.4981037	-.219016
#2	8.174992	3.863412	-.647366	-4.01417	-2.66372	.2456750	.1080310
#3	8.172955	-1.19680	-.721393	3.370738	4.598401	.4755476	.0001403

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	-2.58990	2.223920	.0384928	.2429080	.8901653
SDev	1.24572	4.144527	.0098095	.0786465	.6200044
%RSD	48.09929	186.3613	25.48395	32.37707	69.65049
#1	-1.19506	4.716589	.0491936	.3190514	1.600178
#2	-3.59171	4.515531	.0363591	.2476955	.6146379
#3	-2.98292	-2.56036	.0299259	.1619771	.4556798

Method: STL3 Sample Name: CRIM05FWRK007 Operator: DWH
Run Time: 07/12/05 10:07:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10.32982	187.9284	15.51251	4.805287	212.4053	5.280609	5293.696
SDev	.15641	2.3233	3.59726	.576781	.8148	.042951	21.408
%RSD	1.514143	1.236273	23.18944	12.00306	.3836059	.8133693	.4044117
#1	10.47171	185.3930	Q19.56248	5.402089	211.5352	5.231013	5271.669
#2	10.16211	188.4368	14.28663	4.762909	212.5303	5.305442	5294.992
#3	10.35564	189.9554	12.68841	4.250864	213.1504	5.305371	5314.427

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.258616	52.14957	10.95495	26.02407	90.02148	4074.366	5252.972
SDev	.197520	.53783	.10281	.04016	7.30698	10.045	18.357
%RSD	3.756124	1.031324	.9384579	.1543059	8.116934	.2465326	.3494665
#1	5.193661	51.80679	10.92192	26.00087	82.32955	4063.945	5231.824
#2	5.101754	51.87248	11.07022	26.07043	90.86450	4083.986	5262.296
#3	5.480435	52.76945	10.87272	26.00089	96.87039	4075.168	5264.795

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	16.17946	.6374066	5297.551	42.26259	38.52920	10.29077	64.31572
SDev	.09129	.5686576	18.690	1.15584	3.04404	.21231	3.97613
%RSD	.5642067	89.21426	.3528108	2.734893	7.900592	2.063103	6.182202
#1	16.19991	1.092697	5276.017	40.93563	41.34225	10.28398	64.10992
#2	16.07969	.0000000	5309.566	43.04991	38.94785	10.08194	68.39075
#3	16.25879	.8195229	5307.069	42.80224	35.29752	10.50639	60.44649

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	26.46234	11.31739	9.777432	37.09976	39.24128	53.64015	63.21375
SDev	2.98782	.94389	.456366	2.72947	5.19808	.38216	.27387
%RSD	11.29083	8.340176	4.667540	7.357099	13.24646	.7124548	.4332446
#1	29.06204	10.29972	10.27533	34.44900	44.78194	53.19890	63.25764
#2	23.19825	11.48831	9.379005	39.90165	38.46989	53.85595	62.92058
#3	27.12672	12.16414	9.677961	36.94863	34.47200	53.86560	63.46302

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	189.2420	.2018558	-.492783	.3546176	.4901208
SDev	1.2418	2.369271	.003730	.0377017	.1073212
%RSD	.6561835	1173.745	.7569057	10.63164	21.89690
#1	187.8495	-1.55042	-.494263	.3688233	.5987421
#2	189.6422	-.741513	-.488540	.3831527	.4874715
#3	190.2343	2.897498	-.495545	.3118768	.3841487

Method: STL3 Sample Name: ISAM05FWRK008 Operator: DWH
Run Time: 07/12/05 10:13:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.231767	433839.9	3.988145	21.20037	-.133660	-.256128	418480.8
SDev	.096352	1241.1	2.601516	.62275	.018950	.021374	1267.7
%RSD	41.57265	.2860619	65.23125	2.937469	14.17765	8.344917	.3029312
#1	-.320923	432486.4	6.991688	20.97349	-.111842	-.231448	417313.1
#2	-.244826	434108.8	2.442419	20.72285	-.143138	-.268443	418300.1
#3	-.129552	434924.4	2.530327	21.90475	-.146002	-.268493	419829.2

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	9.727104	-2.79846	2.361397	-.475001	179736.4	-18.7052	462903.0
SDev	.658051	.19613	.199464	.060258	370.5	2.9545	1212.2
%RSD	6.765127	7.008522	8.446884	12.68592	.2061401	15.79518	.2618662
#1	9.285612	-3.02493	2.478902	-.436463	179427.3	-22.0453	461755.3
#2	9.412271	-2.68648	2.131092	-.544441	179634.9	-16.4338	462783.0
#3	10.48343	-2.68398	2.474198	-.444097	180147.1	-17.6363	464170.8

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.43741	-4.55290	36.73375	-2.65944	-7.58874	9.917751	6.827765
SDev	.08050	1.23181	2.93197	.22468	3.86544	1.441157	2.259487
%RSD	5.600574	27.05550	7.981667	8.448414	50.93661	14.53109	33.09262
#1	-1.34540	-3.27809	39.93665	-2.62932	-11.4124	10.70043	9.397703
#2	-1.49488	-5.73666	36.08231	-2.45134	-3.68281	8.254604	5.153124
#3	-1.47194	-4.64396	34.18230	-2.89767	-7.67101	10.79822	5.932468

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-57.2493	15.52241	7.118824	-13.4229	-4.67704	.6547039	-1.66735
SDev	4.3292	5.98076	.862789	6.0570	6.66584	.3530026	.08004
%RSD	7.561966	38.52986	12.11982	45.12424	142.5227	53.91791	4.800529
#1	-55.4309	19.35786	6.377403	-16.7354	-8.75589	1.038471	-1.75973
#2	-54.1260	8.631104	8.065838	-17.1012	3.015324	.3438532	-1.61874
#3	-62.1911	18.57826	6.913231	-6.43208	-8.29055	.5817878	-1.62357

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	159.4661	-2.01078	-9.11837	6.090439	.2066455
SDev	1.7939	2.49531	.03144	.055405	.0279121
%RSD	1.124962	124.0966	.3447579	.9097041	13.50725
#1	157.6635	-4.77386	-9.08548	6.038306	.2092948
#2	161.2512	-1.33682	-9.12151	6.084392	.1775032
#3	159.4838	.0783235	-9.14811	6.148620	.2331385

Method: STL3 Sample Name: ISBM05FWRK009 Operator: DWH
Run Time: 07/12/05 10:19:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	200.0803	433144.4	97.94254	23.31382	474.0333	461.4468	418406.0
SDev	.5467	1104.5	2.03849	.49636	.9167	1.9168	1863.4
%RSD	.2732346	.2550067	2.081307	2.129048	.1933791	.4153926	.4453516
#1	199.4635	431870.2	95.60582	23.34348	472.9756	459.4177	416387.3
#2	200.5051	433829.3	98.86554	23.79468	474.5271	461.6956	418770.4
#3	200.2723	433733.8	99.35628	22.80329	474.5972	463.2270	420060.2

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	896.0266	447.6892	457.5824	519.9515	179972.7	-15.8994	462185.5
SDev	2.8930	2.4155	1.7320	1.1040	782.4	4.1719	1290.5
%RSD	.3228703	.5395451	.3785139	.2123192	.4347462	26.23947	.2792214
#1	892.8304	445.0043	455.5923	518.7078	179123.8	-19.2396	460705.2
#2	896.7833	448.3776	458.4056	520.3314	180129.2	-17.2355	462777.0
#3	898.4661	449.6858	458.7493	520.8154	180665.0	-11.2231	463074.2

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	456.1116	-5.46349	46.03481	884.2553	43.28319	57.33561	588.3572
SDev	1.7545	.27317	1.00442	2.8091	.87799	2.75485	7.8360
%RSD	.3846684	5.000000	2.181869	.3176810	2.028471	4.804779	1.331837
#1	454.2042	-5.73666	47.04816	881.2628	44.01557	56.27454	581.0845
#2	456.4739	-5.46349	46.01671	884.6677	42.30989	55.26906	587.3316
#3	457.6566	-5.19031	45.03957	886.8355	43.52410	Q60.46321	596.6554

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	Q41.99337	66.12585	52.94627	42.48593	43.68022	466.3667	956.8835
SDev	8.53921	2.99911	2.69357	5.20831	1.45338	1.6093	3.2829
%RSD	20.33465	4.535457	5.087370	12.25891	3.327328	.3450729	.3430861
#1	Q44.66814	65.74231	51.54696	45.03138	43.50742	464.5808	953.1101
#2	Q32.43697	63.33696	51.24035	36.49441	45.21228	466.8152	959.0838
#3	Q48.87500	69.29828	56.05150	45.93200	42.32096	467.7042	958.4567

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	197.8272	-5.98715	-9.07973	6.185436	.5139645
SDev	.6336	4.96855	.04330	.047088	.0751207
%RSD	.3202709	82.98690	.4768511	.7612669	14.61593
#1	197.1878	-11.6478	-9.03201	6.185413	.4556798
#2	197.8391	-3.96558	-9.09066	6.138359	.4874715
#3	198.4548	-2.34805	-9.11651	6.232535	.5987421

lethod: STL3 Sample Name: CCVM05FWRK006 Operator: DWH
un Time: 07/12/05 10:25:57
omment:
lode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	51.37394	5080.568	525.7812	495.0628	515.1509	513.4825	19568.72
SDev	.27454	18.843	2.7626	1.4195	1.1486	2.3102	95.70
%RSD	.5343917	.3708902	.5254359	.2867326	.2229649	.4498985	.4890214
#1	51.12819	5073.118	528.8853	493.4265	513.8290	510.8164	19464.36
#2	51.32338	5066.589	524.8663	495.7983	515.7181	514.8903	19589.46
#3	51.67024	5101.998	523.5921	495.9637	515.9055	514.7409	19652.35

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	510.5445	519.4313	515.7727	518.2291	5313.159	37550.44	18843.88
SDev	2.4884	3.8969	2.4896	1.0096	16.224	135.11	60.65
%RSD	.4874006	.7502314	.4827028	.1948196	.3053596	.3597982	.3218646
#1	507.7148	514.9761	512.9220	517.1765	5298.142	37442.08	18777.09
#2	511.5271	521.1118	516.8766	518.3214	5310.967	37507.42	18859.04
#3	512.3916	522.2061	517.5196	519.1893	5330.368	37701.82	18895.52

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	516.0429	508.5595	39358.50	520.7023	501.2135	521.1824	498.8857
SDev	1.9471	3.5652	137.28	2.3439	2.2284	3.7652	8.3760
%RSD	.3773118	.7010462	.3487882	.4501476	.4446021	.7224246	1.678941
#1	513.8115	504.8261	39295.80	517.9995	500.3053	517.0660	504.3853
#2	516.9200	511.9286	39263.77	521.9295	499.5826	524.4520	503.0259
#3	517.3972	508.9237	39515.93	522.1777	503.7526	522.0294	489.2458

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	499.0922	520.0593	521.7423	494.7377	504.4456	515.5362	515.7042
SDev	8.0045	2.8191	5.3845	6.1141	3.0923	1.9112	1.4067
%RSD	1.603817	.5420750	1.032031	1.235826	.6130086	.3707254	.2727768
#1	505.9128	520.1153	515.5427	498.9835	500.9641	513.3344	514.0901
#2	490.2799	522.8500	525.2510	487.7299	505.4991	516.7666	516.3526
#3	501.0841	517.2127	524.4332	497.4997	506.8734	516.5077	516.6697

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	615.2410	518.6621	510.2057	502.8987	509.7812
SDev	2.1121	3.0541	1.4259	1.9633	1.9548
%RSD	.3432912	.5888398	.2794840	.3903914	.3834575
#1	613.2298	515.8296	508.5667	500.6319	507.5240
#2	615.0519	518.2588	510.8880	504.0605	510.9098
#3	617.4412	521.8977	511.1622	504.0036	510.9098

Method: STL3 Sample Name: CCB Operator: DWH
Run Time: 07/12/05 10:31:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0259675	.8816926	.0575919	-10.9955	-.125012	.0124469	6.949582
SDev	.0589706	2.312646	1.349208	.7330	.008316	.0216396	1.079562
%RSD	227.0941	262.2961	2342.704	6.666194	6.651792	173.8556	15.53420
#1	-.038316	3.542878	-1.03096	-10.3442	-.115410	.0249858	7.891901
#2	.0775586	-.640990	1.567088	-10.8531	-.129803	.0248953	7.185162
#3	.0386597	-.256810	-.363348	-11.7893	-.129823	-.012540	5.771684

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.019145	-.020632	.1647234	-.335627	6.089142	20.44187	7.659969
SDev	.172073	.104111	.2438786	.178030	3.213455	4.18473	2.177748
%RSD	898.7769	504.5989	148.0534	53.04401	52.77353	20.47139	28.43024
#1	-.037606	-.042330	-.000089	-.139030	8.524384	18.43775	9.158997
#2	-.181244	-.112184	.0493808	-.381898	2.446960	17.63610	8.658962
#3	.1614138	.0926176	.4448780	-.485953	7.296082	25.25177	5.161950

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.020163	1.001639	-18.6383	-.125407	2.379172	-.331142	-.061450
SDev	.034417	.687474	1.1831	.129020	1.164796	.971158	1.189346
%RSD	170.6935	68.63486	6.347908	102.8809	48.95804	293.2752	1935.481
#1	.0195785	1.639046	-17.2812	-.022907	2.036641	-.560737	1.306870
#2	-.040046	1.092697	-19.1812	-.270287	1.424048	-1.16693	-.644030
#3	-.040023	.2731744	-19.4526	-.083028	3.676827	.7342406	-.847189

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.559418	-.100200	-.447240	2.992641	2.071898	.2350540	-.144973
SDev	4.080201	2.609551	.578577	2.474319	2.586942	.0081043	.124950
%RSD	73.39259	2604.332	129.3661	82.68011	124.8586	3.447850	86.18838
#1	10.13405	.5035096	-1.09286	5.757159	.1781717	.2425187	-.000696
#2	4.248116	-2.95869	-.273192	2.235148	1.018107	.2362092	-.216323
#3	2.296090	2.154584	.0243341	.9856163	5.019416	.2264341	-.217899

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	-4.78055	.7420533	.0254817	.1096101	.4768742
SDev	2.15218	1.113100	.0097805	.0929518	.4177252
%RSD	45.01961	150.0027	38.38245	84.80223	87.59650
#1	-2.39237	1.887265	.0361577	.2048370	.9405020
#2	-5.37935	.6747788	.0233338	.1048791	.3603050
#3	-6.56992	-.335884	.0169537	.0191141	.1298158

Method: STL3 Sample Name: MB Operator: DWH
Run Time: 07/12/05 10:37:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3351909	-8.63244	.2561644	L-10.8396	1.533497	-.000076	L-10.2477
SDev	.1243975	2.37464	2.345598	.0884	.022035	.021499	.2040
%RSD	37.11242	27.50831	915.6611	.8156402	1.436892	28394.91	1.990870
#1	.1932999	L-11.2934	-.341756	L-10.7690	1.528689	-.012420	L-10.1299
#2	.4254997	-7.87497	2.842853	L-10.8110	1.557539	-.012556	L-10.1299
#3	.3867733	-6.72894	-1.73260	L-10.9387	1.514263	.0247496	L-10.4833

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.162885	.6670467	-.296525	-.104175	1.560963	12.29185	2.667306
SDev	.082617	.1427446	.226467	.034666	1.412154	6.21384	.499574
%RSD	50.72113	21.39949	76.37377	33.27694	90.46684	50.55251	18.72952
#1	-.144951	.7803623	-.494230	-.138821	2.363169	14.83038	3.166879
#2	-.252997	.7140503	-.049443	-.104216	-.069582	16.83452	2.667307
#3	-.090708	.5067274	-.345901	-.069489	2.389303	5.210639	2.167732

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3786609	.8195229	4.451478	.3928710	2.680926	-2.22674	-.567062
SDev	.0000627	.5463485	4.616679	.2592984	1.235298	.38380	1.611852
%RSD	.0165606	66.66666	103.7111	66.00090	46.07728	17.23595	284.2464
#1	.3786872	.2731744	9.427725	.4753667	1.394750	-2.01002	.7225007
#2	.3787062	1.365871	3.619086	.6008851	3.858125	-2.66988	-.049587
#3	.3785893	.8195229	.3076233	.1023612	2.789903	-2.00033	-2.37410

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	9.146163	-6.73547	.0234396	15.07478	-3.50771	.3073945	6.160501
SDev	3.533348	1.67708	.2698154	3.53331	1.36815	.1345698	.063058
%RSD	38.63202	24.89918	1151.109	23.43856	39.00418	43.77756	1.023590
#1	12.08592	-5.63456	-.201261	11.21167	-3.50735	.2264415	6.087688
#2	5.226199	-8.66562	.3226927	15.86985	-2.13974	.4627362	6.196524
#3	10.12637	-5.90621	-.051113	18.14281	-4.87604	.2330060	6.197290

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	6.166373	2.427069	-.303692	.0713061	.1669060
SDev	1.383405	1.113419	.000006	.1081614	.2553657
%RSD	22.43466	45.87506	.0020170	151.6861	152.9997
#1	5.367283	1.281571	-.303696	.1475466	.1933990
#2	7.763792	2.494270	-.303696	.1188563	.4079924
#3	5.368045	3.505366	-.303685	-.052485	-.100673

Method: STL3 Sample Name: LCSM05FLCS003 Operator: DWH
Run Time: 07/12/05 10:43:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	290.3606	5868.569	1018.626	502.1988	296.7557	108.3591	30084.85
SDev	1.4771	28.166	9.959	2.8356	.6458	.5186	190.43
%RSD	.5087075	.4799518	.9777352	.5646399	.2176043	.4785695	.6329670
#1	288.6976	5837.383	1007.433	498.9265	296.0112	107.7702	29873.54
#2	290.8640	5876.168	1026.509	503.7367	297.1642	108.5598	30137.86
#3	291.5202	5892.156	1021.937	503.9333	297.0917	108.7474	30243.16

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	299.9889	297.5211	299.0729	298.1307	25475.24	17756.19	14978.92
SDev	1.5703	1.6499	1.7212	.9127	135.25	42.27	72.98
%RSD	.5234489	.5545414	.5755062	.3061562	.5309263	.2380602	.4872214
#1	298.1757	295.6194	297.1456	297.1479	25327.25	17708.36	14895.48
#2	300.8937	298.3725	299.6166	298.2923	25506.02	17771.69	15010.40
#3	300.8974	298.5713	300.4566	298.9518	25592.45	17788.53	15030.88

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	200.7579	293.3892	30729.94	301.7190	539.6831	988.6182	995.7305
SDev	.9502	2.6059	141.58	2.9522	5.4733	7.5047	4.7745
%RSD	.4733127	.8882109	.4607249	.9784661	1.014166	.7591128	.4795011
#1	199.7053	290.6574	30573.67	298.4029	534.9429	980.2875	992.2318
#2	201.0160	295.8478	30766.49	302.6926	545.6732	990.7171	993.7899
#3	201.5524	293.6624	30849.66	304.0614	538.4332	994.8501	1001.170

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	985.5707	980.1940	992.8232	541.2855	538.8821	299.2305	307.1441
SDev	5.9860	5.6705	8.4948	2.4273	8.9572	.9201	1.5726
%RSD	.6073615	.5785049	.8556195	.4484401	1.662179	.3074916	.5120194
#1	982.4126	973.6673	983.5919	544.0106	530.4148	298.2348	305.3297
#2	992.4744	983.0043	994.5668	540.4905	548.2596	299.4074	308.1144
#3	981.8252	983.9106	1000.311	539.3553	537.9718	300.0494	307.9882

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	287.2055	1.501616	-.756968	990.3002	.4265375
SDev	1.0315	1.525499	.007429	3.8228	.1381960
%RSD	.3591466	101.5905	.9814660	.3860225	32.39951
#1	286.0144	-.259878	-.763474	985.9421	.5828463
#2	287.8015	2.381082	-.758558	991.8719	.3205655
#3	287.8006	2.383643	-.748872	993.0867	.3762008

Method: STL3 Sample Name: 210038-1 T Operator: DWH
Run Time: 07/12/05 10:49:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2867204	174.1708	2.287874	48.79739	45.73914	.0030172	72877.55
SDev	.2232871	1.8754	1.401704	.60263	.05065	.0216445	237.97
%RSD	77.87626	1.076767	61.26664	1.234959	.1107461	717.3696	.3265399
#1	.5445502	176.3251	.7435757	49.44859	45.68625	.0280085	72624.06
#2	.1579087	172.9023	3.479702	48.25940	45.74397	-.009227	72912.41
#3	.1577024	173.2852	2.640345	48.68418	45.78721	-.009730	73096.16

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.169059	.7571284	-.033324	2.972140	293.6627	2544.425	15265.14
SDev	.143011	.2380296	.124518	.144476	3.6631	2.890	18.98
%RSD	84.59253	31.43847	373.6537	4.861015	1.247394	.1135976	.1243663
#1	-.115477	.6205500	-.049342	3.018342	297.3136	2545.226	15244.15
#2	-.331123	1.031980	.0984270	3.087864	289.9875	2541.218	15270.13
#3	-.060576	.6188557	-.149058	2.810214	293.6870	2546.830	15281.12

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	65.82524	-.273174	30809.98	1.163030	1.074749	-.951689	-2.43974
SDev	.15804	.546349	10.44	.471509	2.844038	.884227	2.40537
%RSD	.2400916	200.0000	.0338859	40.54144	264.6236	92.91140	98.59143
#1	65.64600	.2731744	30804.17	.9560109	-1.99386	-.142867	-.671566
#2	65.88514	-.273174	30822.03	1.702634	1.595999	-1.89574	-5.17882
#3	65.94457	-.819523	30803.73	.8304454	3.622108	-.816457	-1.46883

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10.07276	-4.95861	1.047970	12.83166	-4.79589	.7815351	6.330398
SDev	3.14907	1.04544	1.314014	4.43573	2.07240	.0061806	.190560
%RSD	31.26327	21.08336	125.3866	34.56866	43.21199	.7908269	3.010235
#1	8.771543	-5.46792	2.514867	8.252345	-7.11028	.7877204	6.440487
#2	7.782823	-5.65180	-.021326	13.13432	-4.16551	.7815257	6.110359
#3	13.66391	-3.75612	.6503704	17.10831	-3.11188	.7753593	6.440349

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	1887.898	L-15.0930	808.1790	3.614032	.3523571
SDev	4.190	2.9366	1.3540	.282610	.I170799
%RSD	.2219369	19.45653	.1675386	7.819801	33.22764
#1	1883.707	L-12.0601	806.9428	3.707610	.3762008
#2	1892.087	L-17.9227	807.9682	3.837985	.4556798
#3	1887.900	L-15.2964	809.6261	3.296502	.2251906

lethod: STL3 Sample Name: 210038-2 T Operator: DWH
:un Time: 07/12/05 10:55:58
:omment:
lode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1833490	314.5959	1.038729	48.75111	46.41580	.0295756	73162.12
SDev	.2260891	.8748	1.540078	.08808	.04403	.0004917	309.08
%RSD	123.3108	.2780735	148.2656	.1806756	.0948563	1.662341	.4224577
#1	-.073917	315.6060	2.816254	48.68214	46.37738	.0295185	72812.41
#2	.2735534	314.0854	.1036924	48.85033	46.40619	.0291149	73275.32
#3	.3504109	314.0963	.1962396	48.72087	46.46384	.0300932	73398.65

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.160390	.9378296	.2626919	2.438753	546.9476	2588.916	15382.35
SDev	.088112	.3430059	.0749869	.080267	8.5049	9.794	27.87
%RSD	54.93630	36.57444	28.54557	3.291311	1.554969	.3782936	.1811921
#1	-.261503	.6192475	.1974429	2.392378	538.4349	2577.693	15350.55
#2	-.100041	.8933262	.2460218	2.392444	546.9633	2595.730	15402.50
#3	-.119626	1.300915	.3446111	2.531437	555.4446	2593.325	15394.01

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	63.70553	.2731743	30888.28	1.381703	.6676337	-1.06037	2.201060
SDev	.24842	1.251842	81.05	.378103	2.782689	1.22797	.511850
%RSD	.3899480	458.2576	.2623909	27.36500	416.7987	115.8055	23.25469
#1	63.42711	1.365871	30868.28	1.132829	3.798091	-2.39800	1.819776
#2	63.78496	.5463485	30977.45	1.195483	-1.52492	-.798946	2.782799
#3	63.90452	-1.09270	30819.10	1.816798	-.270273	.0158330	2.000604

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.497242	-4.71632	.7640595	14.05053	-6.01478	1.229874	6.221448
SDev	2.996509	2.13561	1.215636	7.00842	.89466	.233595	.162556
%RSD	39.96815	45.28140	159.1022	49.88013	14.87427	18.99339	2.612839
#1	8.137155	-7.03823	-.082171	22.12164	-5.35095	1.242741	6.079894
#2	4.232468	-2.83606	.2172832	9.504169	-7.03219	1.456769	6.185469
#3	10.12210	-4.27467	2.157067	10.52579	-5.66121	.9901113	6.398979

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	2092.149	L-15.4928	812.6406	5.602613	.4318361
SDev	6.615	.9262	.8754	.410360	.0966904
%RSD	.3161913	5.978109	.1077206	7.324433	22.39054
#1	2085.172	L-14.4819	811.6385	5.547976	.3205655
#2	2098.331	L-15.6959	813.2560	5.222309	.4954193
#3	2092.945	L-16.3006	813.0275	6.037554	.4795235

Method: STL3 Sample Name: 210038-3 T Operator: DWH
Run Time: 07/12/05 11:01:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2094794	336.5417	.7986990	50.67076	48.40580	.0427097	76279.77
SDev	.1355476	1.6606	1.482667	.26601	.04404	.0212075	152.27
%RSD	64.70689	.4934368	185.6353	.5249714	.0909843	49.65499	.1996222
#1	.1964685	338.4470	.8056490	50.75715	48.36737	.0671914	76108.27
#2	.0809064	335.7764	2.277879	50.88284	48.39617	.0299773	76331.96
#3	.3510633	335.4018	-.687431	50.37230	48.45386	.0309604	76399.09

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.196088	.7527011	.8657794	2.565813	587.5779	2728.536	16046.49
SDev	.073024	.2737456	.4200678	.091930	5.2945	1.408	23.56
%RSD	37.24027	36.36843	48.51904	3.582886	.9010636	.0515965	.1467941
#1	-.122762	.4777860	.3883286	2.531110	581.5045	2727.200	16025.51
#2	-.268805	.7550553	1.030427	2.496285	590.0092	2730.006	16042.00
#3	-.196696	1.025262	1.178583	2.670043	591.2200	2728.403	16071.97

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	68.83596	.5463486	32101.47	1.935047	4.389136	-.068399	-.410697
SDev	.13773	.7227512	29.19	.216391	5.328393	.880713	2.227522
%RSD	.2000914	132.2876	.0909185	11.18273	121.3996	1287.613	542.3767
#1	68.67692	.2731744	32134.19	1.685180	4.133746	-.879131	1.794617
#2	68.91563	1.365871	32092.11	2.060312	-.806970	.8686541	-2.65978
#3	68.91534	.0000000	32078.11	2.059649	9.840632	-.194720	-.366925

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.014567	-3.91019	1.848816	16.27846	-1.54761	1.162882	6.627509
SDev	4.410476	.08372	1.280759	6.71368	5.06648	.131793	.062212
%RSD	218.9292	2.141168	69.27456	41.24269	327.3734	11.33330	.9386910
#1	6.249159	-4.00161	.6789681	12.98537	-.286430	1.010999	6.594142
#2	-2.55293	-3.83725	3.217280	11.84718	-7.12556	1.247072	6.699286
#3	2.347468	-3.89170	1.650199	24.00285	2.769142	1.230574	6.589099

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	2187.033	L-16.9741	847.0339	6.297565	.4795235
SDev	.346	3.1331	1.1381	.694618	.0706425
%RSD	.0158199	18.45790	.1343615	11.02994	14.73181
#1	2186.830	L-16.9079	845.7203	5.767915	.4556798
#2	2187.433	L-13.8747	847.6597	6.040761	.4238882
#3	2186.836	L-20.1398	847.7219	7.084019	.5590026

lethod: STL3 Sample Name: 210038-3 T MD Operator: DWH
:un Time: 07/12/05 11:07:58
:omment:
lode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1189701	335.9110	3.253850	47.00458	48.42511	.0299652	74296.09
SDev	.0772541	1.3328	.944272	.70209	.07630	.0003294	209.75
%RSD	64.93570	.3967589	29.02014	1.493653	.1575727	1.099349	.2823104
#1	.1961418	334.6479	2.276960	47.01871	48.33858	.0303440	74054.14
#2	.0416340	337.3039	4.161715	47.69949	48.45396	.0298056	74407.52
#3	.1191345	335.7811	3.322874	46.29553	48.48278	.0297460	74426.59

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.102948	.9123889	.2109517	2.508120	568.2751	2656.922	15718.43
SDev	.082292	.1429295	.1427779	.080086	3.0564	6.017	30.96
%RSD	79.93564	15.66542	67.68275	3.193061	.5378361	.2264571	.1969894
#1	-.084817	1.025529	.2938438	2.461886	567.8375	2653.448	15682.79
#2	-.192793	.7517596	.0460868	2.461878	565.4611	2663.870	15738.74
#3	-.031233	.9598779	.2929246	2.600595	571.5267	2653.448	15733.75

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	67.38688	-.273174	31475.64	1.378186	1.789156	-.997155	-1.75837
SDev	.26919	.546349	42.34	.310500	2.209686	.469698	4.45937
%RSD	.3994696	200.0000	.1345103	22.52960	123.5044	47.10383	253.6076
#1	67.12841	-.819523	31435.95	1.067959	.3768258	-.494752	-4.81693
#2	67.36659	-.273174	31520.21	1.377643	.6550208	-1.07141	-3.81656
#3	67.66564	.2731744	31470.75	1.688957	4.335622	-1.42530	3.358369

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.227881	-3.34292	.1731670	13.54180	-4.07935	1.151073	11.86208
SDev	.004555	1.22500	.3015733	2.88276	2.00093	.345699	.06178
%RSD	.0731335	36.64479	174.1517	21.28787	49.05005	30.03278	.5208526
#1	6.226576	-1.93051	.2212523	12.67450	-5.76379	.7720441	11.82751
#2	6.224120	-4.11601	.4478087	11.19225	-4.60670	1.449035	11.82531
#3	6.232945	-3.98222	-.149560	16.75864	-1.86757	1.232140	11.93341

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	2149.342	L-16.0309	831.0328	5.980325	.3709022
SDev	5.519	2.1232	1.1765	.206866	.1006386
%RSD	.2567898	13.24431	.1415676	3.459107	27.13346
#1	2146.153	L-18.1193	829.8091	6.197793	.2569822
#2	2155.715	L-13.8746	832.1556	5.957172	.4477319
#3	2146.158	L-16.0986	831.1339	5.786009	.4079924

Method: STL3 Sample Name: 210038-3 T MS Operator: DWH
Run Time: 07/12/05 11:13:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	14.08346	933.4157	42.52906	46.54303	654.6918	16.49855	83892.28
SDev	.02230	3.1918	2.62994	.64083	1.0229	.05651	477.06
%RSD	.1583607	.3419483	6.183868	1.376866	.1562418	.3424991	.5686613
#1	14.07104	929.7366	41.88082	45.82340	653.5237	16.43688	83354.45
#2	14.10921	935.4444	45.42251	46.75361	655.4273	16.54785	84058.01
#3	14.07014	935.0662	40.28386	47.05207	655.1245	16.51092	84264.38

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49.87307	151.8337	63.32053	79.52604	951.6444	13846.70	27094.92
SDev	.18743	.9620	.22599	.27120	8.9428	46.89	98.89
%RSD	.3758178	.6335697	.3569062	.3410194	.9397188	.3386256	.3649670
#1	49.72404	150.7347	63.12372	79.21354	941.5305	13793.52	26981.84
#2	49.81168	152.5231	63.56734	79.66481	958.5058	13864.47	27137.72
#3	50.08350	152.2432	63.27053	79.69978	954.8967	13882.10	27165.19

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	223.7208	-.364232	43097.98	155.5118	56.87794	18.96372	97.61111
SDev	.7577	1.231811	191.28	.8091	4.13517	.68346	1.90917
%RSD	.3386740	338.1938	.4438200	.5202918	7.270253	3.604057	1.955889
#1	222.8459	.8195229	42878.81	154.6824	61.42415	18.18013	98.18016
#2	224.1584	-.273174	43183.89	155.5540	55.86920	19.43687	95.48212
#3	224.1581	-1.63905	43231.23	156.2990	53.34047	19.27415	99.17104

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	52.17207	16.88181	20.00231	61.57471	54.53187	150.8462	172.8189
SDev	2.27794	1.07006	1.13378	8.27212	2.88526	.5483	.9043
%RSD	4.366211	6.338509	5.668242	13.43428	5.290953	.3635019	.5232473
#1	49.54173	16.97280	18.78209	71.08858	56.59797	150.2638	171.7765
#2	53.48947	17.90347	20.20161	56.08103	55.76225	150.9222	173.2875
#3	53.48500	15.76917	21.02322	57.55454	51.23539	151.3526	173.3927

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	2147.847	L-14.9528	812.8090	5.861063	.3709022
SDev	7.475	2.1033	1.9737	.454988	.0721175
%RSD	.3480283	14.06611	.2428300	7.762893	19.44379
#1	2140.272	L-17.3105	810.5322	6.214835	.2887739
#2	2148.052	L-13.2693	813.8573	5.347802	.4000445
#3	2155.218	L-14.2787	814.0373	6.020552	.4238882

Method: STL3 Sample Name: 210038-3 T PDS Operator: DWH
Run Time: 07/12/05 11:19:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	53.34965	2452.572	48.02774	48.48047	2116.387	57.19941	81046.84
SDev	.14666	3.535	3.74008	.49128	3.397	.19135	298.90
%RSD	.2749046	.1441210	7.787332	1.013359	.1605245	.3345372	.3688043
#1	53.45300	2454.990	50.15701	47.91539	2118.334	56.98812	80704.19
#2	53.18179	2448.516	43.70921	48.80626	2112.464	57.24908	81182.30
#3	53.41416	2454.212	50.21701	48.71976	2118.363	57.36103	81254.03

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	53.60899	522.8781	210.5013	267.0501	1657.261	9089.865	22341.73
SDev	.28785	1.7131	.8476	.4668	5.134	15.509	23.89
%RSD	.5369466	.3276333	.4026361	.1747880	.3097856	.1706143	.1069093
#1	53.36775	520.9064	209.7276	267.4317	1659.063	9107.101	22320.74
#2	53.53160	524.0015	210.3692	266.5297	1651.469	9077.038	22336.73
#3	53.92763	523.7265	211.4072	267.1890	1661.252	9085.456	22367.72

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	603.1466	1.730104	38030.19	532.8314	63.46364	21.21966	105.1668
SDev	1.3757	.834561	4.26	1.5288	4.03093	1.27916	4.8150
%RSD	.2280795	48.23763	.0111904	.2869191	6.351562	6.028195	4.578437
#1	601.7512	2.458568	38033.81	531.6276	67.20763	21.40379	99.80098
#2	603.1867	.8195229	38031.25	532.3152	63.98650	19.85841	109.1107
#3	604.5017	1.912220	38025.50	534.5515	59.19679	22.39678	106.5887

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	60.44041	18.44644	22.60339	77.62653	56.39161	521.4261	591.4229
SDev	6.67199	3.60209	.56134	2.45220	4.84938	1.1198	1.8107
%RSD	11.03896	19.52729	2.483418	3.158978	8.599468	.2147603	.3061587
#1	52.92744	20.14780	22.03004	79.52622	61.05636	520.2436	589.4699
#2	62.71974	14.30880	22.62826	78.49511	56.74187	521.5643	591.7529
#3	65.67404	20.88271	23.15189	74.85825	51.37660	522.4704	593.0459

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	2227.416	L-14.8176	828.1179	6.560857	1.094162
SDev	5.080	1.5175	1.1589	.193160	.169969
%RSD	.2280613	10.24142	.1399408	2.944134	15.53416
#1	2232.389	L-13.2678	827.9397	6.420449	.9881894
#2	2222.235	L-16.3006	827.0584	6.480977	1.290210
#3	2227.625	L-14.8844	829.3555	6.781145	1.004085

Method: STL3 Sample Name: 210038-3 T SD 5 Operator: DWH
Run Time: 07/12/05 11:26:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0258477	70.15613	.4584617	1.437040	9.709990	.0136813	15416.17
SDev	.0972854	1.00797	2.558895	.177175	.016657	.0216674	69.99
%RSD	376.3791	1.436756	558.1479	12.32920	.1715437	158.3728	.4540037
#1	.1160423	70.92041	-2.41928	1.494334	9.719613	.0259189	15336.66
#2	.0387430	69.01378	2.477748	1.578478	9.719600	.0264611	15443.38
#3	-.077242	70.53419	1.316920	1.238306	9.690756	-.011336	15468.47

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.056784	.4033974	.3310884	.0228362	120.1365	466.0235	3160.077
SDev	.104539	.1727049	.0754538	.0722062	2.0953	7.7756	5.675
%RSD	184.0990	42.81260	22.78963	316.1913	1.744123	1.668502	.1795787
#1	.0038997	.2206878	.3146712	.1037693	117.7170	460.9464	3153.582
#2	.0032427	.4255430	.2651948	-.034983	121.3531	462.1490	3162.575
#3	-.177495	.5639613	.4133992	-.000278	121.3394	474.9751	3164.075

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	14.19458	-1.63905	6149.267	.3843254	2.778776	1.099250	-.375629
SDev	.11964	.00000	8.177	.3107045	2.256375	.710671	1.433475
%RSD	.8428833	.0000000	.1329716	80.84411	81.20032	64.65055	381.6200
#1	14.07502	-1.63905	6149.647	.0732639	4.714954	1.448260	1.249855
#2	14.19442	-1.63905	6157.248	.6946716	3.320532	.2815517	-1.45893
#3	14.31431	-1.63905	6140.907	.3850408	.3008403	1.567938	-.917809

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.115180	.7644372	1.265606	3.423009	2.456142	.3750644	6.807559
SDev	2.465292	2.081986	1.319075	4.266075	1.610909	.3409610	.164822
%RSD	2140.383	272.3554	104.2248	124.6294	65.58696	90.90730	2.421155
#1	-.446320	3.109060	.6183061	8.044248	3.051804	.0031033	6.628107
#2	2.498946	.0522634	.3952244	2.589719	3.684391	.4492950	6.842388
#3	-2.39817	-.868011	2.783287	-.364941	.6322322	.6727951	6.952183

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	417.3920	-2.69261	172.6548	1.499140	.1192186
SDev	1.0416	3.48036	.4152	.401169	.1084920
%RSD	.2495553	129.2562	.2404918	26.75993	91.00262
#1	417.9904	-1.54774	172.2140	1.084300	-.005299
#2	416.1892	.0711092	172.7118	1.885075	.1933990
#3	417.9963	-6.60119	173.0386	1.528045	.1695553

lethod: STL3 Sample Name: 210038-4 T Operator: DWH
:un Time: 07/12/05 11:32:02
:omment:
lode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2865416	315.4906	.7053244	48.80679	48.48768	.0296447	76547.16
SDev	.0801804	3.9039	1.729430	.66880	.22448	.0003388	111.64
%RSD	27.98211	1.237414	245.1964	1.370303	.4629573	1.142919	.1458473
#1	.3508175	312.1922	-.252554	49.57283	48.25216	.0293986	76422.77
#2	.3121130	314.4788	2.701755	48.33905	48.51171	.0295043	76580.02
#3	.1966944	319.8008	-.333227	48.50849	48.69918	.0300311	76638.68

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.100361	.7977465	.0579101	2.936263	553.1464	2741.763	16142.26
SDev	.110392	.3108493	.0757298	.072159	6.0612	14.014	53.46
%RSD	109.9946	38.96593	130.7714	2.457523	1.095767	.5111179	.3311608
#1	-.045048	1.095882	.1406255	2.878485	546.1830	2725.596	16088.97
#2	-.028561	.4755788	-.008016	2.913160	556.0179	2750.448	16141.92
#3	-.227475	.8217783	.0411210	3.017145	557.2382	2749.245	16195.88

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	70.56902	-.546349	32252.85	1.438693	.1367362	-1.17494	1.228026
SDev	.20893	.722751	162.08	.001650	6.549065	.39724	1.402489
%RSD	.2960683	132.2876	.5025383	.1147012	4789.561	33.80967	114.2068
#1	70.35086	-.819523	32112.63	1.440485	-6.33703	-1.38517	.0604435
#2	70.58891	-1.09270	32215.61	1.437236	-.011354	-1.42288	.8399433
#3	70.76730	.2731744	32430.32	1.438357	6.758590	-.716757	2.783692

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.620017	-5.28451	.8759736	13.01749	-6.29499	.8540254	21.20264
SDev	4.082625	.88492	.8594571	7.70783	6.24022	.1262125	.12582
%RSD	155.8244	16.74558	98.11451	59.21134	99.12995	14.77854	.5934321
#1	-.654944	-5.96422	.9001195	7.073442	L-13.0332	.9994595	21.27737
#2	7.194128	-4.28391	.0046979	10.25263	-5.13665	.7731667	21.05738
#3	1.320867	-5.60541	1.723103	21.72640	-.715095	.7894502	21.27319

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	2153.935	L-14.9539	850.3571	5.490438	.4079924
SDev	8.042	.3095	3.1210	.330245	.0573132
%RSD	.3733553	2.069552	.3670165	6.014916	14.04760
#1	2147.360	L-15.2914	847.1303	5.299298	.4715757
#2	2151.544	L-14.8868	850.5808	5.300245	.3603050
#3	2162.901	L-14.6835	853.3601	5.871772	.3920966

ethod: STL3 Sample Name: CCV2 Operator: DWH
un Time: 07/12/05 11:38:04
omment:
ode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50.28308	5078.721	529.9655	498.2209	518.9963	519.0676	19685.81
SDev	.46453	25.321	7.1365	2.1542	.4795	3.3997	151.68
%RSD	.9238317	.4985673	1.346603	.4323692	.0923968	.6549668	.7705112
#1	49.81836	5071.541	524.3738	495.7538	518.6312	515.1571	19512.78
#2	50.28348	5057.766	527.5194	499.1796	518.8184	521.3217	19748.82
#3	50.74742	5106.856	538.0035	499.7293	519.5394	520.7239	19795.82

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	520.0945	520.6268	521.5566	519.4202	5392.276	37580.23	19025.64
SDev	2.5176	2.7894	3.1535	1.2735	44.905	137.87	77.52
%RSD	.4840606	.5357815	.6046354	.2451748	.8327627	.3668555	.4074425
#1	517.1985	517.4543	517.9154	519.5709	5341.840	37523.05	18950.01
#2	521.7612	522.6951	523.3527	518.0781	5407.075	37480.16	19021.99
#3	521.3239	521.7310	523.4019	520.6117	5427.914	37737.49	19104.92

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	526.5643	517.2100	39477.54	525.8802	506.8839	525.4332	507.1985
SDev	3.1244	3.8665	200.56	3.1684	3.9704	2.6638	5.8493
%RSD	.5933616	.7475638	.5080410	.6024875	.7832915	.5069712	1.153266
#1	522.9579	512.7481	39446.18	522.2282	503.7530	522.3959	500.4579
#2	528.2786	519.3043	39294.50	527.8948	505.5491	527.3727	510.1963
#3	528.4562	519.5774	39691.93	527.5175	511.3497	526.5309	510.9412

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	510.0011	522.5997	526.8470	501.7365	509.4528	519.5793	521.1062
SDev	5.0655	1.1239	4.3713	5.3415	3.9181	3.2052	2.9075
%RSD	.9932412	.2150559	.8297062	1.064603	.7690755	.6168836	.5579441
#1	512.8534	523.2543	521.9665	500.4539	505.3991	515.8805	517.8652
#2	504.1525	521.3019	530.4026	497.1531	509.7398	521.3153	521.9683
#3	512.9974	523.2428	528.1717	507.6026	513.2195	521.5420	523.4852

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	618.6525	515.3118	512.7091	511.3029	508.7692
SDev	3.1831	3.5157	1.0244	1.7106	2.2901
%RSD	.5145183	.6822420	.1998002	.3345561	.4501290
#1	616.2310	512.6153	511.6352	509.3311	506.1252
#2	617.4687	519.2881	512.8164	512.1888	510.0514
#3	622.2579	514.0320	513.6756	512.3889	510.1309

Method: STL3 Sample Name: CCB2 Operator: DWH
Run Time: 07/12/05 11:44:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1547117	7.606571	.3873365	-13.2901	-.134616	.0248955	3.062528
SDev	.1395782	.955503	1.764034	.2140	.022033	.0001045	.204021
%RSD	90.21825	12.56155	455.4269	1.610240	16.36727	.4198448	6.661843
#1	.2708029	8.493407	-1.58264	-13.3184	-.158656	.0249971	2.944737
#2	-.000154	6.594709	1.820898	-13.0633	-.115384	.0249012	3.298111
#3	.1934866	7.731595	.9237488	-13.4885	-.129807	.0247883	2.944737

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.054582	.0937638	.3294361	-.740540	1.610240	38.47892	1.831921
SDev	.190537	.1374222	.2228865	.053071	.712826	8.34060	1.039946
%RSD	349.0845	146.5621	67.65696	7.166531	44.26834	21.67576	56.76803
#1	-.235477	-.042682	.0987489	-.729052	2.433320	28.85915	.6662493
#2	-.072588	.0918313	.5436024	-.694155	1.203812	42.88802	2.164971
#3	.1443188	.2321420	.3459570	-.798415	1.193588	43.68959	2.664544

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0197789	.8195228	-8.05248	-.020268	2.125549	.5714937	.5930370
SDev	.0000677	.7227512	.54286	.431044	2.615715	.2501560	1.850048
%RSD	.3424257	88.19171	6.741573	2126.722	123.0607	43.77231	311.9617
#1	.0197470	1.365871	-7.50961	-.269547	.0516048	.3079216	-1.21811
#2	.0197330	.0000000	-8.05247	-.268715	5.064107	.8056288	2.479674
#3	.0198567	1.092697	-8.59534	.4774582	1.260934	.6009307	.5175496

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.650212	.6649629	.5240296	.2655084	3.053175	.1585215	-.107921
SDev	1.697313	.5162267	.5494424	2.621137	2.753492	.1235307	.107523
%RSD	261.0399	77.63241	104.8495	987.2145	90.18455	77.92678	99.63131
#1	1.309676	.7191562	.1018130	-.832360	.4919251	.0160782	-.216171
#2	-1.63038	.1237774	1.145244	3.257059	5.965277	.2232426	-.106451
#3	-1.62993	1.151955	.3250320	-1.62817	2.702323	.2362438	-.001141

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	-5.77700	2.022502	.0598518	.0667194	.5537040
SDev	.91218	1.634068	.0074100	.0659850	.2350126
%RSD	15.78990	80.79438	12.38058	98.89937	42.44372
#1	-4.78284	2.291854	.0555737	.1048377	.7974397
#2	-6.57544	3.505158	.0684082	.1047940	.5351589
#3	-5.97273	.2704931	.0555737	-.009474	.3285134

ethod: STL3 Sample Name: CRIM05FWRK007 Operator: DWH
un Time: 07/12/05 11:50:08
omment:
ode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10.18793	191.1060	15.53541	2.156253	208.7759	5.243374	5269.902
SDev	.13554	3.3794	1.28362	.343072	.1227	.021489	19.779
%RSD	1.330437	1.768313	8.262514	15.91058	.0587517	.4098311	.3753237
#1	10.04632	194.9078	16.98717	1.958171	208.7807	5.230780	5247.640
#2	10.31646	189.9664	15.06830	2.552398	208.6509	5.268187	5276.616
#3	10.20102	188.4438	14.55076	1.958188	208.8961	5.231156	5285.451

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.168161	51.59869	10.80669	24.90184	90.85402	4029.741	5201.850
SDev	.090805	.31376	.24383	.16038	1.19605	7.285	6.139
%RSD	1.757003	.6080723	2.256318	.6440644	1.316454	.1807771	.1180145
#1	5.156094	51.32443	10.52657	24.99435	90.87335	4023.863	5194.856
#2	5.264396	51.94083	10.92216	24.99452	92.04028	4027.470	5204.348
#3	5.083993	51.53079	10.97134	24.71664	89.64841	4037.891	5206.346

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	16.33976	.0910581	5241.907	41.80529	37.24531	10.72529	62.17341
SDev	.03447	.7885862	14.197	.06169	2.07332	1.17684	4.57765
%RSD	.2109517	866.0258	.2708383	.1475764	5.566665	10.97257	7.362711
#1	16.31993	.5463485	5241.708	41.86673	38.38522	9.389051	67.42808
#2	16.37956	-.819523	5227.810	41.80579	34.85214	11.17943	60.04218
#3	16.31978	.5463485	5256.203	41.74334	38.49857	11.60741	59.04996

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	29.40010	11.77510	10.20038	34.29888	38.71455	53.18670	63.14521
SDev	1.13303	.57304	1.90465	3.72054	1.35723	.38215	.37652
%RSD	3.853846	4.866538	18.67239	10.84741	3.505745	.7185035	.5962710
#1	30.05296	11.94537	8.112010	35.47256	39.83760	53.41535	62.92884
#2	30.05555	12.24372	10.64728	30.13303	37.20637	53.39921	62.92682
#3	28.09178	11.13623	11.84185	37.29104	39.09967	52.74553	63.57997

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	193.8238	-.404454	-.470660	.2640207	.3814994
SDev	.5946	1.695364	.007264	.0360438	.1537736
%RSD	.3067833	419.1738	1.543333	13.65188	40.30770
#1	193.8205	.4713538	-.474274	.2258273	.5590026
#2	194.4201	.6738815	-.462298	.2687961	.2887739
#3	193.2309	-2.35860	-.475408	.2974389	.2967218

Method: STL3 Sample Name: ISAM05FWRK008 Operator: DWH
Run Time: 07/12/05 11:56:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.375031	429384.9	4.251303	17.94842	-.128607	-.268548	417988.8
SDev	.123679	1523.4	1.700998	.22225	.010372	.037363	2136.9
%RSD	32.97840	.3547855	40.01122	1.238261	8.064645	13.91286	.5112262
#1	-.516034	427640.2	2.422863	18.12910	-.137631	-.268670	415540.7
#2	-.324155	430062.5	4.544234	18.01590	-.130913	-.305850	418946.1
#3	-.284904	430451.8	5.786812	17.70025	-.117276	-.231125	419479.7

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	9.267760	-2.63390	2.148119	-.782864	180788.5	-3.34028	462023.4
SDev	.220144	.29323	.074001	.085308	792.3	5.90899	1701.4
%RSD	2.375370	11.13283	3.444925	10.89691	.4382647	176.9011	.3682391
#1	9.306536	-2.96226	2.136680	-.879477	179875.4	-10.0206	460069.8
#2	9.030806	-2.54129	2.080503	-.751197	181195.7	1.202341	462821.4
#3	9.465941	-2.39817	2.227173	-.717918	181294.5	-1.20255	463179.1

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.37654	-2.82280	34.79754	-3.01469	-6.65702	10.25754	3.785214
SDev	.09196	3.02143	2.09993	.09069	6.91218	1.26355	11.00880
%RSD	6.680877	107.0365	6.034705	3.008397	103.8329	12.31830	290.8369
#1	-1.41819	-6.00983	37.00518	-3.11939	-13.9066	9.495047	5.463271
#2	-1.44030	-2.45857	34.56229	-2.96050	-5.92376	11.71606	-7.96627
#3	-1.27112	.0000000	32.82514	-2.96418	-.140709	9.561515	13.85864

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-49.6207	17.96320	6.409687	-17.4388	-1.27521	.7232963	-1.72659
SDev	2.4708	4.08432	2.960657	7.2022	7.73245	.1308668	.26432
%RSD	4.979299	22.73713	46.19036	41.30012	606.3652	18.09311	15.30858
#1	-47.0405	22.27402	3.114342	-25.6036	-8.06785	.7611347	-1.49714
#2	-51.9651	17.46440	8.845406	-11.9875	-2.89745	.5776795	-1.66701
#3	-49.8564	14.15120	7.269314	-14.7253	7.139660	.8310748	-2.01561

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	165.2472	-1.53874	-9.12288	6.159814	.3417599
SDev	3.6840	5.12665	.05993	.116681	.1079082
%RSD	2.229401	333.1719	.6569424	1.894236	31.57428
#1	161.2238	-3.76294	-9.05799	6.048399	.4079924
#2	168.4553	-5.17766	-9.13447	6.149913	.2172427
#3	166.0624	4.324385	-9.17616	6.281131	.4000445

Method: STL3 Sample Name: ISBM05FWRK009 Operator: DWH
Run Time: 07/12/05 12:02:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	198.9967	428341.8	99.52967	18.54208	467.8913	457.6875	417269.2
SDev	1.0033	1470.6	1.22483	.19591	1.3880	2.1558	1966.7
%RSD	.5041702	.3433156	1.230621	1.056593	.2966492	.4710167	.4713305
#1	197.8391	426643.8	98.12898	18.62891	466.3152	455.2726	415061.8
#2	199.6147	429174.6	100.0604	18.31776	468.4277	458.3720	417910.7
#3	199.5362	429206.9	100.3996	18.67957	468.9311	459.4180	418835.1

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	892.0372	442.1153	455.7381	511.7318	180765.8	2.137640	460353.1
SDev	3.9345	2.0670	2.6674	1.7653	825.3	9.143070	1662.6
%RSD	.4410637	.4675268	.5852838	.3449748	.4565792	427.7180	.3611503
#1	887.8371	440.1197	452.6771	509.7256	179832.6	-6.01242	458454.2
#2	892.6374	441.9792	456.9724	513.0478	181064.9	.4007704	461058.0
#3	895.6370	444.2470	457.5647	512.4219	181399.8	12.02457	461547.1

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	457.8889	-5.19031	41.36619	880.6875	46.84794	54.36533	577.1620
SDev	1.9091	.81952	.43879	3.3600	6.04280	4.42066	6.9494
%RSD	.4169274	15.78947	1.060750	.3815204	12.89876	8.131405	1.204063
#1	455.7527	-5.19031	41.61953	876.8502	46.20027	50.91869	572.3369
#2	458.4856	-4.37079	41.61953	882.1102	53.18849	52.82784	585.1273
#3	459.4283	-6.00983	40.85952	883.1021	41.15506	59.34944	574.0217

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	Q40.73967	62.30591	50.40018	37.49120	51.51829	462.6191	953.6110
SDev	3.57879	5.17708	5.46159	9.64616	4.84442	1.9992	2.2665
%RSD	8.784528	8.309132	10.83645	25.72914	9.403294	.4321462	.2376767
#1	Q42.63333	63.36407	44.70453	40.38283	49.10363	460.3136	950.9941
#2	Q36.61192	56.68150	50.90310	45.36081	57.09546	463.6711	954.9514
#3	Q42.97377	66.87216	55.59292	26.72995	48.35580	463.8727	954.8876

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	201.3859	-4.57162	-9.06917	6.138580	.5378082
SDev	.6548	2.25123	.03882	.045377	.0541003
%RSD	.3251300	49.24365	.4280646	.7392108	10.05940
#1	200.7192	-2.54997	-9.02436	6.100584	.4954193
#2	201.4105	-4.16726	-9.09056	6.126331	.5192631
#3	202.0280	-6.99763	-9.09260	6.188824	.5987421

Method: STL3 Sample Name: CCVM05FWRK006 Operator: DWH
Run Time: 07/12/05 12:08:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50.88703	5091.575	531.1489	491.7092	516.9148	513.3615	19569.67
SDev	.15734	9.409	4.0370	2.5178	2.3130	2.5852	71.72
%RSD	.3091984	.1848013	.7600505	.5120423	.4474634	.5035808	.3665059
#1	50.70535	5080.710	527.2908	488.9100	514.3911	510.5954	19489.45
#2	50.97724	5097.019	530.8123	492.4288	517.4195	513.7726	19591.93
#3	50.97851	5096.996	535.3437	493.7889	518.9338	515.7165	19627.62

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	513.8590	516.4502	517.9805	518.5409	5384.116	37675.50	18941.18
SDev	3.2342	1.7097	2.6066	2.2709	19.574	111.83	67.72
%RSD	.6294004	.3310415	.5032319	.4379317	.3635558	.2968270	.3575119
#1	510.5787	514.4961	515.2450	515.9265	5361.559	37563.93	18864.56
#2	513.9533	517.1836	518.2609	519.6748	5396.635	37674.96	18966.00
#3	517.0451	517.6707	520.4356	520.0216	5394.154	37787.59	18992.99

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	522.6183	513.4766	39678.77	522.8279	501.2571	521.3893	502.4925
SDev	2.7952	4.3822	66.60	2.8951	6.1113	2.4627	5.7484
%RSD	.5348411	.8534284	.1678433	.5537372	1.219193	.4723374	1.143982
#1	519.6694	508.9237	39607.02	519.4897	494.7460	518.6000	504.3738
#2	522.9566	513.8408	39738.61	524.6522	506.8689	523.2635	496.0392
#3	525.2290	517.6653	39690.68	524.3417	502.1564	522.3044	507.0646

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	506.0543	518.0359	523.0627	492.6522	505.5521	516.5593	518.0047
SDev	2.6290	1.7299	3.3062	4.8367	7.1541	2.5843	2.9254
%RSD	.5195128	.3339374	.6320902	.9817596	1.415097	.5002978	.5647410
#1	503.0719	516.6497	519.5730	489.2099	497.5088	513.6038	514.7274
#2	507.0553	517.4835	526.1483	498.1821	511.2048	517.6798	518.9348
#3	508.0359	519.9746	523.4667	490.5648	507.9425	518.3943	520.3520

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	621.6223	517.1238	511.4580	507.2123	508.0671
SDev	3.1734	3.4207	2.1924	2.7340	2.2309
%RSD	.5104981	.6614781	.4286553	.5390286	.4390887
#1	618.0206	516.2445	509.0284	504.2172	505.6165
#2	624.0073	520.8983	512.0568	507.8456	508.6049
#3	622.8391	514.2287	513.2888	509.5741	509.9799

ethod: STL3 Sample Name: CCB Operator: DWH
un Time: 07/12/05 12:14:16
omment:
ode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0000369	16.36094	1.773957	-16.7327	-.120199	.0248748	10.71884
SDev	.1021475	1.15947	2.363811	.0883	.008319	.0000668	.93493
%RSD	277053.8	7.086843	133.2507	.5277073	6.921053	.2687402	8.722267
#1	-.077156	17.62647	2.061399	-16.7613	-.115400	.0248819	10.01211
#2	-.038600	16.10660	3.980903	-16.8032	-.129805	.0248047	11.77895
#3	.1158670	15.34976	-.720430	-16.6337	-.115393	.0249379	10.36547

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.096622	.0473960	-.049460	-.624831	.8081959	28.32474	8.326681
SDev	.108667	.0386744	.098955	.091829	1.856714	5.61625	1.526171
%RSD	112.4660	81.59843	200.0701	14.69655	229.7356	19.82807	18.32869
#1	.0176002	.0256146	.0494952	-.590184	2.429292	22.04522	6.661591
#2	-.198716	.0245245	-.148415	-.728942	-1.21743	30.06164	9.659030
#3	-.108750	.0920489	-.049461	-.555365	1.212730	32.86736	8.659423

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0594716	.5463485	-17.7516	-.166024	.8523005	.6499655	-.048598
SDev	.0344374	.5463485	1.0475	.071962	2.146715	.1639207	3.975040
%RSD	57.90559	100.0000	5.900907	43.34407	251.8730	25.21991	8179.358
#1	.0792547	1.092697	-16.5754	-.082930	1.337330	.4811382	-3.91198
#2	.0794533	.5463485	-18.0954	-.207795	2.715004	.6602644	4.029402
#3	.0197069	.0000000	-18.5840	-.207347	-1.49543	.8084940	-.263214

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.287312	.5992031	.6745091	-1.58988	2.070563	.1553661	.7623157
SDev	.976865	.7571292	.1558821	7.41299	.482485	.1345626	.0013679
%RSD	42.70799	126.3560	23.11045	466.2607	23.30214	86.60996	.1794455
#1	1.310260	-.258054	.8493805	.0771282	1.965487	.2362010	.7611888
#2	3.263990	.8792458	.5501382	4.847670	1.649274	.2298676	.7638377
#3	2.287686	1.176417	.6240085	-9.69444	2.596927	.0000297	.7619208

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	-4.98606	2.696717	.0553404	.0429925	.5325096
SDev	.91078	3.576419	.0064490	.0436260	.3317556
%RSD	18.26657	132.6212	11.65328	101.4734	62.30040
#1	-4.79046	6.537595	.0617841	.0905888	.9007625
#2	-4.18897	2.090244	.0488862	.0049054	.4397840
#3	-5.97875	-.537690	.0553510	.0334834	.2569822

Sample Information File C:\AAUSER\SAMPINFO\070805.SIF

Description : 51180, 51181, 51184, 51185
Batch ID :
Volume Units : mL
Weight Units :
Analyst : N.P.
Sample Volume : 0.50

AS Loc	Sample ID	Sample Weight	Sample Units	User Dilution	Remarks
9	ICVM05GWRK001	1.0000		1.0000	
10	ICB	1.0000		1.0000	
11	MB	1.0000		1.0000	
12	LCSM04JSTK001	1.0000		1.0000	
13	210039-1	1.0000		1.0000	
14	210011-18 C	1.0000		1.0000	
15	210034-1 C	1.0000		1.0000	
16	210034-2 C	1.0000		1.0000	
17	210106-1 C	1.0000		1.0000	
18	210038-1 T	1.0000		1.0000	
19	210038-2 T	1.0000		1.0000	
20	210038-3 T	1.0000		1.0000	
21	CCVM05GWRK001	1.0000		1.0000	
22	CCB	1.0000		1.0000	
23	210038-3 T-MD	1.0000		1.0000	
24	210038-3 T-MS	1.0000		1.0000	
25	210038-4 T	1.0000		1.0000	
26	MB	1.0000		1.0000	
27	LCSM05CLCS003	1.0000		10.0000	
28	210046-1 S	1.0000		1.0000	
29	210046-2 S	1.0000		1.0000	
30	210046-3 S	1.0000		1.0000	
31	210084-1 S	1.0000		1.0000	
32	210084-2 S	1.0000		1.0000	
33	CCVM05GWRK001	1.0000		1.0000	
34	CCB	1.0000		1.0000	
35	210084-3 S	1.0000		1.0000	
36	210084-4 S	1.0000		1.0000	
37	210084-5 S	1.0000		1.0000	
38	210084-6 S	1.0000		1.0000	
39	210084-7 S	1.0000		1.0000	
40	210084-8 S	1.0000		1.0000	
41	210084-9 S	1.0000		1.0000	
42	210084-10 S	1.0000		1.0000	
43	210084-11 S	1.0000		1.0000	
44	210084-12 S	1.0000		1.0000	
45	CCVM05GWRK001	1.0000		1.0000	
46	CCB	1.0000		1.0000	
47	210086-1 S	1.0000		1.0000	
48	210086-2 S	1.0000		1.0000	
49	210088-1 S	1.0000		1.0000	
50	210088-2 S	1.0000		1.0000	
51	210088-3 S	1.0000		1.0000	
52	210088-4 S	1.0000		1.0000	
53	~~T~~ 210084-2 MD	1.0000		1	
54	~~T~~ 210084-2 MS	1.0000		1	N.P. 7/8/05
55	3	1.0000			
56	4	1.0000			
57	CCVM05GWRK001 N.P. 7/8/05	1.0000		1.0000	

Method Name: STLHG1
Method Description: STLHG1
Element: Hg

Date: 07/08/2005
Technique:FI-MHS
Calibration Type:
Hg, Zero Intercept: Nonlinear
Wavelength: 253.7 nm
Sample Info Name: 070805.SIF Results Data Set Name: CV070805

Element: Hg Seq. No.: 1 AS Loc.: 1 Date: 07/08/2005
Sample ID: Calib Blank

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0008	0.0044	0.0008	04:08:56	No

Auto-zero performed.

Element: Hg Seq. No.: 2 AS Loc.: 2 Date: 07/08/2005
Sample ID: Standard 1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0047	0.0328	0.0055	04:09:52	No

[Hg] Standard number 1 applied. [0.200]
Correlation Coefficient: 1.00000 Slope: 0.02374

Element: Hg Seq. No.: 3 AS Loc.: 3 Date: 07/08/2005
Sample ID: Standard 2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0239	0.1480	0.0247	04:11:10	No

[Hg] Standard number 2 applied. [1.000]
Correlation Coefficient: 1.00000 Slope: 0.02369

Element: Hg Seq. No.: 4 AS Loc.: 4 Date: 07/08/2005
Sample ID: Standard 3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0472	0.2871	0.0480	04:12:28	No

S-shaped calibration curve detected. Two-coefficient equation used.
[Hg] Standard number 3 applied. [2.000]
Correlation Coefficient: 0.99997 Slope: 0.02386

Element: Hg Seq. No.: 5 AS Loc.: 5 Date: 07/08/2005
Sample ID: Standard 4

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.1177	0.7065	0.1185	04:13:48	No

[Hg] Standard number 4 applied. [5.000]
Correlation Coefficient: 0.99999 Slope: 0.02383

Element: Hg Seq. No.: 6 AS Loc.: 6 Date: 07/08/2005

Sample ID: Standard 5

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.2283	1.3803	0.2291	04:15:11	No

[Hg] Standard number 5 applied. [10.00]
Correlation Coefficient: 0.99998 Slope: 0.02390

Calibration data for Hg

Standard ID	Mean Signal (Pk Height)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
Calib Blank	0.0008	---	----	----	----
Standard 1	0.0047	0.200	0.199	----	----
Standard 2	0.0239	1.000	1.006	----	----
Standard 3	0.0472	2.000	1.992	----	----
Standard 4	0.1177	5.000	5.033	----	----
Standard 5	0.2283	10.000	9.968	----	----
Calib Blank	0.0008	---	----	----	----
Correlation Coefficient:	0.99998	Slope:	0.02390	----	

Element: Hg Seq. No.: 7 AS Loc.: 9 Date: 07/08/2005
Sample ID: ICVM05GWRK001

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.920	4.920	0.1151	0.6927	0.1159	04:16:30	No

Element: Hg Seq. No.: 8 AS Loc.: 10 Date: 07/08/2005
Sample ID: ICB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.009	0.009	0.0002	0.0055	0.0010	04:17:47	No

Element: Hg Seq. No.: 9 AS Loc.: 11 Date: 07/08/2005
Sample ID: MB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.026	0.026	0.0006	0.0084	0.0014	04:18:42	No

Element: Hg Seq. No.: 10 AS Loc.: 12 Date: 07/08/2005
Sample ID: LCSM04JSTK001

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	7.174	7.174	0.1662	1.0013	0.1670	04:19:37	No

Element: Hg Seq. No.: 11 AS Loc.: 13 Date: 07/08/2005
Sample ID: 210039-1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.057	0.057	0.0014	0.0129	0.0021	04:20:56	No

Element: Hg Seq. No.: 12 AS Loc.: 14 Date: 07/08/2005
Sample ID: 210011-18 C

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.006	0.006	0.0001	0.0053	0.0009	04:21:52	No

Element: Hg Seq. No.: 13 AS Loc.: 15 Date: 07/08/2005
Sample ID: 210034-1 C

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.035	0.035	0.0008	0.0097	0.0016	04:22:47	No

Element: Hg Seq. No.: 14 AS Loc.: 16 Date: 07/08/2005
Sample ID: 210034-2 C

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.035	0.035	0.0008	0.0095	0.0016	04:23:42	No

Element: Hg Seq. No.: 15 AS Loc.: 17 Date: 07/08/2005
Sample ID: 210106-1 C

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.005	0.005	0.0001	0.0056	0.0009	04:24:40	No

Element: Hg Seq. No.: 16 AS Loc.: 18 Date: 07/08/2005
Sample ID: 210038-1 T

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.035	0.035	0.0008	0.0097	0.0016	04:25:35	No

Element: Hg Seq. No.: 17 AS Loc.: 19 Date: 07/08/2005
Sample ID: 210038-2 T

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.036	0.036	0.0009	0.0095	0.0016	04:26:30	No

Element: Hg Seq. No.: 18 AS Loc.: 20 Date: 07/08/2005
Sample ID: 210038-3 T

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.023	0.023	0.0005	0.0078	0.0013	04:27:24	No

Element: Hg Seq. No.: 19 AS Loc.: 21 Date: 07/08/2005
Sample ID: CCVM05GWRK001

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.880	4.880	0.1142	0.6809	0.1150	04:28:19	No

Element: Hg Seq. No.: 20 AS Loc.: 22 Date: 07/08/2005
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.005	0.005	0.0001	0.0045	0.0009	04:29:39	No

Element: Hg Seq. No.: 21 AS Loc.: 23 Date: 07/08/2005
Sample ID: 210038-3 T-MD

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.028	0.028	0.0007	0.0086	0.0014	04:30:34	No

Element: Hg Seq. No.: 22 AS Loc.: 24 Date: 07/08/2005
Sample ID: 210038-3 T-MS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.993	0.993	0.0236	0.1435	0.0244	04:31:29	No

Element: Hg Seq. No.: 23 AS Loc.: 25 Date: 07/08/2005
Sample ID: 210038-4 T

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.034	0.034	0.0008	0.0093	0.0016	04:32:48	No

Element: Hg Seq. No.: 24 AS Loc.: 26 Date: 07/08/2005
Sample ID: MB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.016	0.016	0.0004	0.0066	0.0012	04:33:43	No

Element: Hg Seq. No.: 25 AS Loc.: 27 Date: 07/08/2005
Sample ID: LCSM05CLCS003

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	18.79	1.879	0.0445	0.2674	0.0453	04:34:38	No

Element: Hg Seq. No.: 26 AS Loc.: 28 Date: 07/08/2005
Sample ID: 210046-1 S

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.020	0.020	0.0005	0.0068	0.0012	04:35:58	No

Element: Hg Seq. No.: 27 AS Loc.: 29 Date: 07/08/2005
Sample ID: 210046-2 S

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.157	0.157	0.0037	0.0259	0.0045	04:36:53	No

Element: Hg Seq. No.: 28 AS Loc.: 30 Date: 07/08/2005
Sample ID: 210046-3 S

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.424	0.424	0.0101	0.0636	0.0109	04:38:15	No

Element: Hg Seq. No.: 29 AS Loc.: 31 Date: 07/08/2005
Sample ID: 210084-1 S

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.883	0.883	0.0210	0.1286	0.0218	04:39:37	No

Element: Hg Seq. No.: 30 AS Loc.: 32 Date: 07/08/2005
Sample ID: 210084-2 S

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.445	0.445	0.0106	0.0671	0.0114	04:40:56	No

Element: Hg Seq. No.: 31 AS Loc.: 33 Date: 07/08/2005
Sample ID: CCVM05GWRK001

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.969	4.969	0.1162	0.6931	0.1170	04:42:10	No

Element: Hg Seq. No.: 32 AS Loc.: 34 Date: 07/08/2005
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.013	0.013	0.0003	0.0067	0.0011	04:43:25	No

Element: Hg Seq. No.: 33 AS Loc.: 35 Date: 07/08/2005
Sample ID: 210084-3 S

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.141	0.141	0.0034	0.0243	0.0041	04:44:20	No

Element: Hg Seq. No.: 34 AS Loc.: 36 Date: 07/08/2005
Sample ID: 210084-4 S

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.251	0.251	0.0060	0.0390	0.0068	04:45:37	No

Element: Hg Seq. No.: 35 AS Loc.: 37 Date: 07/08/2005
Sample ID: 210084-5 S

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.169	0.169	0.0040	0.0282	0.0048	04:46:54	No

CLP Metals Digestion (CVAA) Report Date: 7/8/05 8:58

Method Code..: CLPHGD	Batch Date...: 07/08/05	QC Code.....:	Equipment Code.:
Batch Code...: 51134	Batch Time...: 857	Calc Code.....: PREPCV	Import Code....:
Status.....: RVWD	User Name....: dwh	Location Code..: 57207	

SAMPLE:	Grp	Pos	Sample ID	Dilution	DIGHG Text	MLI mL	MLF mL	WEIGHT g	PREPF N/A
	1	1	___MB__		Complete	25	50		2.0000
	1	2	___LCS_M04JSTK001_		Complete	25	50		2.0000
	1	3	210038_1_T___		Complete	25	50		2.0000
	1	4	210038_2_T___		Complete	25	50		2.0000
	1	5	210038_3_T___		Complete	25	50		2.0000
	1	6	210038_3_T_MD__5		Complete	25	50		2.0000
	1	7	210038_3_T_MS__5		Complete	25	50		2.0000
	1	8	210038_4_T___		Complete	25	50		2.0000

*** RAW TEST DATA ***

(V2)

CLP Metals Digestion (ICAP)

Report Date: 7/11/05 10:30

Method Code..: CLPICD	Batch Date...: 07/11/05	QC Code.....:	Equipment Code.:
Batch Code...: 51225	Batch Time...: 1028	Calc Code.....: PFCLP	Import Code....:
Status.....: RVWD	User Name....: skr	Location Code..: 57207	

SAMPLE:	Grp	Pos	Sample ID	Dilution	DIGICP Text	MLI mL	MLF mL	WEIGHT g	PREPF N/A
	1	1	___MB__		Complete	50	50		1.0000
	1	2	___LCS_M05FLCS003_		Complete	50	50		1.0000
	1	3	210038_1_T___		Complete	50	50		1.0000
	1	4	210038_2_T___		Complete	50	50		1.0000
	1	5	210038_3_T___		Complete	50	50		1.0000
	1	6	210038_3_T_MD__5		Complete	50	50		1.0000
	1	7	210038_3_T_MS__5		Complete	50	50		1.0000
	1	8	210038_4_T___		Complete	50	50		1.0000