ANALYTICAL REPORT

JOB NUMBER: 210034

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 (452) Pages

STL Report : 210034
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.

Classical Chemistry - Listed below are the wet chemistry analyte methods and references for the samples analyzed in this SDG. No analytical problems were encountered and all holding times were met. Please note that the EPA has found reactive cyanide and reactive sulfide tests to be unreliable. In an April 1998 memorandum, the EPA withdrew their original guidance on threshold levels for these tests.

Analyte	Method	Reference
Corrosivity/pH	9040B/9045C	1
Cyanide – Reactive	9014M	1
Ignitability	1020/1030	1
Sulfide - Reactive	9034M	1

References:

1. Test Methods for the Evaluation of Solid Wastes, SW846, 3rd ed., 1986.

Metals – ICAP metals were determined using a JA61E trace ICAP; mercury was determined by cold vapor technique using a Perkin Elmer mercury analyzer; following guidance provided in SW846 according to methods: ICAP – 3010A/6010B; mercury-7470A.

TCLP samples were prepared following guidance provided in SW846 according to method 1311.

Semi-Volatile Organics - Semi-volatile organic samples were analyzed by capillary GC/MS according to NYSDEC Protocols using guidance provided in Method 8270C. The instrumentation used was a Hewlett-Packard Gas Chromatograph interfaced with a Mass Selective Detector.

A 1ul injection was used for all samples and standards. Refer to the standard concentration form behind the Form 8's for specific compound concentrations in each of the calibration levels. Internal standards were added to all samples and standards at 20ng/ul for instrument MSU and 5ng/ul for instrument MSX..

All samples and QC analyzed on the MSX instrument were uniformly diluted 1:10 to bring the surrogates and spike compounds into the calibration range. MSX is a newer instrument with a x10 lower curve. Compound reporting limits are not affected by this starting dilution. Any analysis over 1:10 is considered a dilution of the sample used to bring target compounds within the calibration range.

The target compounds 3-methylphenol and 4-methylphenol cannot be chromatographically separated. The isomers are reported as a total concentration of 4-methylphenol.

All samples were analyzed without any apparent problems.

Sample Calculation:

Sample ID – WC-01
Compound – 2-fluorophenol

$$\frac{(889975\text{Area})(20\text{ng})(1000\text{ul})}{(557390\text{ Area})(1.128\text{ Area/ng})(1\text{ul})(900\text{ml})} = 31.4 = 31\text{ug/l}$$

Volatile Organics – Volatile organics were determined by purge and trap GC/MS using guidance provided in Method 1311/5030B/8260B.

The spike compound percent recoveries were within the laboratory generated guidelines in the independent source quality control samples.

The recovery for the surrogate, 4-Bromofluorobenzene, was just below QC limits in 49916-5EB1.

Sample WC-01 was analyzed twice due to results having a surrogate outside QC limits. One set of data was reported since matrix interference was proven.

Sample Calculation:

Sample ID-WC-02
Compound- Trichloroethene

$$\frac{(131271\text{ area})(125\text{ng})(1)}{(296712\text{ area})(.501\text{ area/ng})(5\text{ml})} = 22.07 = 22.1\text{ ug/L} = .022\text{ mg/L.}$$

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.: 210034
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
210034-1	WC-02	Soil	06/28/2005	10:05	06/30/2005	10:00
210034-2	WC-01	Water	06/28/2005	10:40	06/30/2005	10:00

Job Number: 210034

LABORATORY TEST RESULTS

Date:07/20/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: WC-02
Date Sampled.....: 06/28/2005
Time Sampled.....: 10:05
Sample Matrix.....: Soil

Laboratory Sample ID: 210034-1
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
8260B	Volatile Organics (5mL Purge)											
	Vinyl chloride, TCLP	ND	U		0.00080	0.0050	1.00000	mg/L	51368		07/08/05 1725	pam
	1,1-Dichloroethene, TCLP	ND	U		0.00070	0.0050	1.00000	mg/L	51368		07/08/05 1725	pam
	2-Butanone (MEK), TCLP	ND	U	B	0.0012	0.010	1.00000	mg/L	51368		07/08/05 1725	pam
	Chloroform, TCLP	ND	U	T	0.00070	0.0050	1.00000	mg/L	51368		07/08/05 1725	pam
	Carbon tetrachloride, TCLP	ND	U		0.0010	0.0050	1.00000	mg/L	51368		07/08/05 1725	pam
	Benzene, TCLP	ND	U		0.00040	0.0050	1.00000	mg/L	51368		07/08/05 1725	pam
	1,2-Dichloroethane, TCLP	ND	U		0.00060	0.0050	1.00000	mg/L	51368		07/08/05 1725	pam
	Trichloroethene, TCLP	0.022			0.00070	0.0050	1.00000	mg/L	51368		07/08/05 1725	pam
	Tetrachloroethene, TCLP	ND	U		0.00050	0.0050	1.00000	mg/L	51368		07/08/05 1725	pam
	Chlorobenzene, TCLP	ND	U		0.00040	0.0050	1.00000	mg/L	51368		07/08/05 1725	pam

* In Description = Dry Wgt.

STL-Connecticut

Job Number: 210034

LABORATORY TEST RESULTS

Date:07/20/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: WC-01
Date Sampled.....: 06/28/2005
Time Sampled.....: 10:40
Sample Matrix.....: Water

Laboratory Sample ID: 210034-2
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
8260B	Volatile Organics (5mL Purge)											
	Vinyl chloride, TCLP	0.0034	J		0.00080	0.0050	1.00000	mg/L	51370		07/09/05 1454	pam
	1,1-Dichloroethene, TCLP	ND	U		0.00070	0.0050	1.00000	mg/L	51370		07/09/05 1454	pam
	2-Butanone (MEK), TCLP	0.0045	J		0.0012	0.010	1.00000	mg/L	51370		07/09/05 1454	pam
	Chloroform, TCLP	ND	U		0.00070	0.0050	1.00000	mg/L	51370		07/09/05 1454	pam
	Carbon tetrachloride, TCLP	ND	U		0.0010	0.0050	1.00000	mg/L	51370		07/09/05 1454	pam
	Benzene, TCLP	ND	U		0.00040	0.0050	1.00000	mg/L	51370		07/09/05 1454	pam
	1,2-Dichloroethane, TCLP	ND	U		0.00060	0.0050	1.00000	mg/L	51370		07/09/05 1454	pam
	Trichloroethene, TCLP	ND	U		0.00070	0.0050	1.00000	mg/L	51370		07/09/05 1454	pam
	Tetrachloroethene, TCLP	ND	U		0.00050	0.0050	1.00000	mg/L	51370		07/09/05 1454	pam
	Chlorobenzene, TCLP	ND	U		0.00040	0.0050	1.00000	mg/L	51370		07/09/05 1454	pam

* In Description = Dry Wgt.

Job Number: 210034

LABORATORY TEST RESULTS

Date:07/18/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: WC-02
Date Sampled.....: 06/28/2005
Time Sampled.....: 10:05
Sample Matrix.....: Soil

Laboratory Sample ID: 210034-1
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
8270C	Semivolatile Organics											
	Pyridine, TCLP	ND	U		0.005	0.040	10.00000	mg/L	51646		07/12/05 1343	jdw
	1,4-Dichlorobenzene, TCLP	ND	U		0.0009	0.020	10.00000	mg/L	51646		07/12/05 1343	jdw
	2-Methylphenol, TCLP	ND	U		0.001	0.020	10.00000	mg/L	51646		07/12/05 1343	jdw
	Hexachloroethane, TCLP	ND	U		0.002	0.020	10.00000	mg/L	51646		07/12/05 1343	jdw
	4-Methylphenol, TCLP	ND	U		0.0007	0.020	10.00000	mg/L	51646		07/12/05 1343	jdw
	Nitrobenzene, TCLP	ND	U		0.002	0.020	10.00000	mg/L	51646		07/12/05 1343	jdw
	Hexachlorobutadiene, TCLP	ND	U		0.002	0.020	10.00000	mg/L	51646		07/12/05 1343	jdw
	2,4,6-Trichlorophenol, TCLP	ND	U		0.002	0.020	10.00000	mg/L	51646		07/12/05 1343	jdw
	2,4,5-Trichlorophenol, TCLP	ND	U		0.002	0.10	10.00000	mg/L	51646		07/12/05 1343	jdw
	2,4-Dinitrotoluene, TCLP	ND	U		0.002	0.020	10.00000	mg/L	51646		07/12/05 1343	jdw
	Hexachlorobenzene, TCLP	ND	U		0.002	0.020	10.00000	mg/L	51646		07/12/05 1343	jdw
	Pentachlorophenol, TCLP	ND	U		0.010	0.10	10.00000	mg/L	51646		07/12/05 1343	jdw

* In Description = Dry Wgt.

Job Number: 210034

LABORATORY TEST RESULTS

Date:07/18/2005

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

Customer Sample ID: WC-01
Date Sampled.....: 06/28/2005
Time Sampled.....: 10:40
Sample Matrix.....: Water

Laboratory Sample ID: 210034-2
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
8270C	Semivolatile Organics											
	Pyridine, TCLP	ND	U		0.003	0.022	1.00000	mg/L	51645		07/07/05 1407	jdw
	1,4-Dichlorobenzene, TCLP	ND	U		0.0005	0.011	1.00000	mg/L	51645		07/07/05 1407	jdw
	2-Methylphenol, TCLP	ND	U		0.0007	0.011	1.00000	mg/L	51645		07/07/05 1407	jdw
	Hexachloroethane, TCLP	ND	U		0.001	0.011	1.00000	mg/L	51645		07/07/05 1407	jdw
	4-Methylphenol, TCLP	ND	U		0.0004	0.011	1.00000	mg/L	51645		07/07/05 1407	jdw
	Nitrobenzene, TCLP	ND	U		0.0009	0.011	1.00000	mg/L	51645		07/07/05 1407	jdw
	Hexachlorobutadiene, TCLP	ND	U		0.0009	0.011	1.00000	mg/L	51645		07/07/05 1407	jdw
	2,4,6-Trichlorophenol, TCLP	ND	U		0.0009	0.011	1.00000	mg/L	51645		07/07/05 1407	jdw
	2,4,5-Trichlorophenol, TCLP	ND	U		0.0009	0.056	1.00000	mg/L	51645		07/07/05 1407	jdw
	2,4-Dinitrotoluene, TCLP	ND	U		0.0009	0.011	1.00000	mg/L	51645		07/07/05 1407	jdw
	Hexachlorobenzene, TCLP	ND	U		0.001	0.011	1.00000	mg/L	51645		07/07/05 1407	jdw
	Pentachlorophenol, TCLP	ND	U		0.006	0.056	1.00000	mg/L	51645		07/07/05 1407	jdw

* In Description = Dry Wgt.

Job Number: 210034

LABORATORY TEST RESULTS

Date:07/15/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

Customer Sample ID: WC-02
Date Sampled.....: 06/28/2005
Time Sampled.....: 10:05
Sample Matrix.....: Soil

Laboratory Sample ID: 210034-1
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
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, TCLP	ND	U		0.0195	0.200	1	mg/L	51194		07/08/05 1353	nnp
	Barium, TCLP	0.638			0.0037	0.0250	1	mg/L	51194		07/08/05 1353	nnp
	Cadmium, TCLP	ND	U		0.0055	0.0500	1	mg/L	51194		07/08/05 1353	nnp
	Chromium, TCLP	ND	U		0.0065	0.0500	1	mg/L	51194		07/08/05 1353	nnp
	Lead, TCLP	ND	U		0.0150	0.0500	1	mg/L	51194		07/08/05 1353	nnp
	Selenium, TCLP	ND	U		0.0250	0.150	1	mg/L	51194		07/08/05 1353	nnp
	Silver, TCLP	ND	U		0.0055	0.0300	1	mg/L	51194		07/08/05 1353	nnp
7470A	Leachable, Mercury (CVAA)											
	Mercury, TCLP	ND	U		0.00090	0.0100	1.0000	mg/L	51184		07/08/05 1622	nnp

* In Description = Dry Wgt.

Job Number: 210034

LABORATORY TEST RESULTS

Date:07/15/2005

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

Customer Sample ID: WC-01
Date Sampled.....: 06/28/2005
Time Sampled.....: 10:40
Sample Matrix.....: Water

Laboratory Sample ID: 210034-2
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
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, TCLP	ND	U		0.0195	0.200	1	mg/L	51194		07/08/05 1359	nnp
	Barium, TCLP	0.389			0.0037	0.0250	1	mg/L	51194		07/08/05 1359	nnp
	Cadmium, TCLP	ND	U		0.0055	0.0500	1	mg/L	51194		07/08/05 1359	nnp
	Chromium, TCLP	0.0164	B		0.0065	0.0500	1	mg/L	51194		07/08/05 1359	nnp
	Lead, TCLP	ND	U		0.0150	0.0500	1	mg/L	51194		07/08/05 1359	nnp
	Selenium, TCLP	ND	U		0.0250	0.150	1	mg/L	51194		07/08/05 1359	nnp
	Silver, TCLP	ND	U		0.0055	0.0300	1	mg/L	51194		07/08/05 1359	nnp
7470A	Leachable, Mercury (CVAA)											
	Mercury, TCLP	ND	U		0.00090	0.0100	1.0000	mg/L	51184		07/08/05 1623	nnp

* In Description = Dry Wgt.

Job Number: 210034

LABORATORY TEST RESULTS

Date:07/14/2005

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

Customer Sample ID: WC-02
Date Sampled.....: 06/28/2005
Time Sampled.....: 10:05
Sample Matrix.....: Soil

Laboratory Sample ID: 210034-1
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
1030	Ignitability (solids)											
	Ignitability, Solid	Neg					1	Pos/Neg	51375		07/11/05 1520	dtn
9014M	Reactivity, Cyanide											
	Reactivity, Cyanide, Solid	ND	U			500	1.0	ug/Kg	51069		07/05/05 1655	dtn
9034M	Reactivity, Sulfide											
	Reactivity, Sulfide, Solid	ND	U		12	20	1	mg/Kg	50990		07/05/05 1108	dtn
9045C	pH (Soil)											
	pH, Solid	8.32				0.20	1	pH Units	51070		07/05/05 1318	dtn
	Corrosivity (pH Solid), Solid	no				0.20	1	* yes/no	51070		07/05/05 1318	dtn

* In Description = Dry Wgt.

Job Number: 210034

LABORATORY TEST RESULTS

Date:07/14/2005

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

Customer Sample ID: WC-01
Date Sampled.....: 06/28/2005
Time Sampled.....: 10:40
Sample Matrix.....: Water

Laboratory Sample ID: 210034-2
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
1020	Ignitability											
	Ignitability (Flashpoint)	>200					1	degrees F	51376		07/11/05 1520	dtn
9034M	Reactivity, Sulfide											
	Reactivity, Sulfide	ND	U			20	1	mg/Kg	50990		07/05/05 1125	dtn
9040B	pH (Liquid)											
	pH	12.01				0.20	1	pH Units	51493		07/08/05 1746	msh
	Corrosivity (pH-Liquids)	no				0.20	1	pH Units	51493		07/08/05 1746	msh
9014M	Reactivity, Cyanide											
	Reactivity, Cyanide, Liquid React.	ND	U			500	1.0	ug/Kg	51069		07/05/05 1657	dtn

* In Description = Dry Wgt.

LABORATORY CHRONICLE

Job Number: 210034 Date: 07/27/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

Lab ID: 210034-1 Client ID: WC-02 Date Recvd: 06/30/2005 Sample Date: 06/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030A	5030CP TCLP/SPLP Prep	1	51234	51023			
3010A	Acid Dig. Leachates (ICAP)	1	51132		07/07/2005	0942	
3510C	Extraction Sep. Funnel (SVOC)	1	51281		07/11/2005	0000	
1030	Ignitability (solids)	1	51375		07/11/2005	1520	
7470A	Leachable, Mercury (CVAA)	1	51184	51135	07/08/2005	1622	1.0000
6010B	Metals Analysis (ICAP Trace)	1	51194	51132	07/08/2005	1353	
9014M	Reactivity, Cyanide	1	51069		07/05/2005	1655	1.0
9034M	Reactivity, Sulfide	1	50990		07/05/2005	1108	
7470	SW846 Dig. Leachates (Hg)	1	51135		07/07/2005	1336	
8270C	Semivolatile Organics	1	51646	51281	07/12/2005	1343	10.0000
1311	TCLP Extraction	1	50917		07/01/2005	0000	
1311	TCLP Zero Headspace Extraction	1	51023		07/05/2005	0000	
8260B	Volatile Organics (5mL Purge)	1	51368	51234 -51023	07/08/2005	1725	1.00000
9045C	pH (Soil)	1	51070		07/05/2005	1318	

Lab ID: 210034-2 Client ID: WC-01 Date Recvd: 06/30/2005 Sample Date: 06/28/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030A	5030CP TCLP/SPLP Prep	1	51248	51703			
3010A	Acid Dig. Leachates (ICAP)	1	51132		07/07/2005	0956	
3510C	Extraction Sep. Funnel (SVOC)	1	51060		07/05/2005	0000	
1020	Ignitability	1	51376		07/11/2005	1520	
7470A	Leachable, Mercury (CVAA)	1	51184	51135	07/08/2005	1623	1.0000
6010B	Metals Analysis (ICAP Trace)	1	51194	51132	07/08/2005	1359	
9014M	Reactivity, Cyanide	1	51069		07/05/2005	1657	1.0
9034M	Reactivity, Sulfide	1	50990		07/05/2005	1125	
7470	SW846 Dig. Leachates (Hg)	1	51135		07/07/2005	1448	
8270C	Semivolatile Organics	1	51645	51060	07/07/2005	1407	1.00000
1311	TCLP Extraction	1	50917		07/01/2005	0000	
1311	TCLP Zero Headspace Extraction	1	51703				
8260B	Volatile Organics (5mL Purge)	1	51370	51248 -51703	07/09/2005	1454	1.00000
9040B	pH (Liquid)	1	51493		07/08/2005	1746	

SURROGATE RECOVERIES REPORT

Job Number.: 210034 Report Date.: 07/20/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

Method.....: Volatile Organics (5mL Purge) Method Code...: 8260.5 Prep Batch....: 49916
Batch(s).....: 51368 Test Matrix...: TCLP Equipment Code: MSL

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
EB1-49916-5			06/14/2005	108	72*	103	83
LCS-49916-2			06/14/2005	101	74	101	85
MB-49916-1			06/14/2005	106	77	101	86

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	53 - 125
BRFLBE	4-Bromofluorobenzene (surr)	73 - 127
DBRFLM	Dibromofluoromethane (surr)	54 - 137
TOLD8	Toluene-d8 (surr)	63 - 121

Method.....: Volatile Organics (5mL Purge) Method Code...: 8260.5 Prep Batch....: 51234
Batch(s).....: 51368 Test Matrix...: TCLP Equipment Code: MSL

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS-51234-2			07/08/2005	94	89	94	85
MB-51234-1			07/08/2005	95	92	92	90
210034- 1		WC-02	07/08/2005	90	83	91	84

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	53 - 125
BRFLBE	4-Bromofluorobenzene (surr)	73 - 127
DBRFLM	Dibromofluoromethane (surr)	54 - 137
TOLD8	Toluene-d8 (surr)	63 - 121

Method.....: Volatile Organics (5mL Purge) Method Code...: 8260.5 Prep Batch....: 51248
Batch(s).....: 51370 Test Matrix...: TCLP Equipment Code: MSL

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS-51248-2			07/09/2005	96	89	98	82
MB-51248-1			07/09/2005	89	84	86	88
210034- 2		WC-01	07/09/2005	88	88	45*	83

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	53 - 125
BRFLBE	4-Bromofluorobenzene (surr)	73 - 127
DBRFLM	Dibromofluoromethane (surr)	54 - 137
TOLD8	Toluene-d8 (surr)	63 - 121

QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/20/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05PWRK006	49916 -002		06/14/2005	1313

Test Method.....: 8260B Equipment Code....: MSL Analyst...: pam
Method Description.: Volatile Organics (5mL Purge) Batch.....: 51368

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride, TCLP	mg/L	0.003576	J	0.005000		72	%	51-139	
1,1-Dichloroethene, TCLP	mg/L	0.004742	J	0.005000		95	%	57-137	
2-Butanone (MEK), TCLP	mg/L	0.004899	J	0.005000		98	%	30-222	
Chloroform, TCLP	mg/L	0.005321		0.005000		106	%	70-124	
Carbon tetrachloride, TCLP	mg/L	0.005705		0.005000		114	%	56-131	
Benzene, TCLP	mg/L	0.004531	J	0.005000		91	%	68-126	
1,2-Dichloroethane, TCLP	mg/L	0.005260		0.005000		105	%	68-124	
Trichloroethene, TCLP	mg/L	0.004652	J	0.005000		93	%	58-125	
Tetrachloroethene, TCLP	mg/L	0.005017		0.005000		100	%	62-118	
Chlorobenzene, TCLP	mg/L	0.004730	J	0.005000		95	%	71-114	

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

QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/20/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05PWRK006	51234 -002		07/08/2005	1022

Test Method.....: 8260B Equipment Code....: MSL Analyst...: pam
Method Description.: Volatile Organics (5mL Purge) Batch.....: 51368

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride, TCLP	mg/L	0.022400		0.020000		112	%	51-139	
1,1-Dichloroethene, TCLP	mg/L	0.020267		0.020000		101	%	57-137	
2-Butanone (MEK), TCLP	mg/L	0.018037		0.020000		90	%	30-222	
Chloroform, TCLP	mg/L	0.020682		0.020000		103	%	70-124	
Carbon tetrachloride, TCLP	mg/L	0.020826		0.020000		104	%	56-131	
Benzene, TCLP	mg/L	0.021027		0.020000		105	%	68-126	
1,2-Dichloroethane, TCLP	mg/L	0.020328		0.020000		102	%	68-124	
Trichloroethene, TCLP	mg/L	0.020369		0.020000		102	%	58-125	
Tetrachloroethene, TCLP	mg/L	0.016762		0.020000		84	%	62-118	
Chlorobenzene, TCLP	mg/L	0.017712		0.020000		89	%	71-114	

QUALITY CONTROL RESULTS

Job Number.: 210034

Report Date.: 07/20/2005

CUSTOMER: ERM | PROJECT: RABCO PRODUCTS | ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05FWRK006	51248-002		07/09/2005	1150

Test Method.....: 8260B
Method Description.: Volatile Organics (5mL Purge)

Equipment Code....: MSL
Batch.....: 51370

Analyst...: pam

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride, TCLP	mg/L	0.021426		0.020000		107	%	51-139	
1,1-Dichloroethene, TCLP	mg/L	0.020752		0.020000		104	%	57-137	
2-Butanone (MEK), TCLP	mg/L	0.024112		0.020000		121	%	30-222	
Chloroform, TCLP	mg/L	0.020461		0.020000		102	%	70-124	
Carbon tetrachloride, TCLP	mg/L	0.020479		0.020000		102	%	56-131	
Benzene, TCLP	mg/L	0.020703		0.020000		104	%	68-126	
1,2-Dichloroethane, TCLP	mg/L	0.020641		0.020000		103	%	68-124	
Trichloroethene, TCLP	mg/L	0.019402		0.020000		97	%	58-125	
Tetrachloroethene, TCLP	mg/L	0.016080		0.020000		80	%	62-118	
Chlorobenzene, TCLP	mg/L	0.017696		0.020000		88	%	71-114	

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

SURROGATE RECOVERIES REPORT

Job Number.: 210034 Report Date.: 07/17/2005

CUSTOMER: ERM PROJECT: RABCO PRODUCTS ATTN: Andy Coenen

Method.....: Semivolatile Organics Method Code...: 8270 Prep Batch....: 51060
Batch(s).....: 51645 Test Matrix...: TCLP Equipment Code: MSU

Lab ID	DT	Sample ID	Date	246TBP	2FLUBP	2FLUPH	NITRD5	PHEND5	TERD14
LCS-51060-2			07/07/2005	103	80	42	73	27	95
MB-51060-1			07/07/2005	83	69	39	65	25	97
210034- 2		WC-01	07/07/2005	85	61	38	60	25	86

Test	Test Description	Limits
246TBP	2,4,6-Tribromophenol (surr)	29 - 126
2FLUBP	2-Fluorobiphenyl (surr)	43 - 116
2FLUPH	2-Fluorophenol (surr)	21 - 97
NITRD5	Nitrobenzene-d5 (surr)	38 - 113
PHEND5	Phenol-d5 (surr)	18 - 97
TERD14	Terphenyl-d14 (surr)	10 - 119

Method.....: Semivolatile Organics Method Code...: 8270 Prep Batch....: 51281
Batch(s).....: 51646 Test Matrix...: TCLP Equipment Code: MSX

Lab ID	DT	Sample ID	Date	246TBP	2FLUBP	2FLUPH	NITRD5	PHEND5	TERD14
EB1-51281-3			07/12/2005	64	47	35	49	31	57
LCS-51281-4			07/12/2005	96	73	59	75	46	79
MB-51281-1			07/12/2005	100	77	52	84	31	107
210034- 1		WC-02	07/12/2005	98	71	60	72	47	86

Test	Test Description	Limits
246TBP	2,4,6-Tribromophenol (surr)	29 - 126
2FLUBP	2-Fluorobiphenyl (surr)	34 - 112
2FLUPH	2-Fluorophenol (surr)	21 - 97
NITRD5	Nitrobenzene-d5 (surr)	38 - 113
PHEND5	Phenol-d5 (surr)	18 - 97
TERD14	Terphenyl-d14 (surr)	10 - 119

QUALITY CONTROL RESULTS

Job Number.: 210034

Report Date.: 07/17/2005

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

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	E05DSPK006	51060 -002		07/07/2005	1216

Test Method.....: 8270C
Method Description.: Semivolatile Organics

Equipment Code....: MSU
Batch.....: 51645

Analyst...: jdw

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Pyridine, TCLP	mg/L	0.01721 J		0.04000	0.00231 U	43	%	2-67	
1,4-Dichlorobenzene, TCLP	mg/L	0.02394		0.04000	0.00046 U	60	%	21-84	
2-Methylphenol, TCLP	mg/L	0.02679		0.04000	0.00059 U	67	%	37-88	
Hexachloroethane, TCLP	mg/L	0.02280		0.04000	0.00106 U	57	%	13-85	
4-Methylphenol, TCLP	mg/L	0.04605		0.08000	0.00033 U	58	%	35-102	
Nitrobenzene, TCLP	mg/L	0.02943		0.04000	0.00079 U	74	%	42-102	
Hexachlorobutadiene, TCLP	mg/L	0.02499		0.04000	0.00084 U	62	%	17-89	
2,4,6-Trichlorophenol, TCLP	mg/L	0.03447		0.04000	0.00079 U	86	%	49-112	
2,4,5-Trichlorophenol, TCLP	mg/L	0.03425 J		0.04000	0.00078 U	86	%	50-115	
2,4-Dinitrotoluene, TCLP	mg/L	0.03861		0.04000	0.00080 U	97	%	55-130	
Hexachlorobenzene, TCLP	mg/L	0.03729		0.04000	0.00107 U	93	%	57-120	
Pentachlorophenol, TCLP	mg/L	0.03609 J		0.04000	0.00504 U	90	%	33-134	

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

QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/17/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	E05DSPK006	51281 -004		07/12/2005	1259

Test Method.....: 8270C Equipment Code....: MSX Analyst...: jdw
Method Description.: Semivolatile Organics Batch.....: 51646

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Pyridine, TCLP	mg/L	0.00414		0.00800	0.00462 U	52	%	10-107	
1,4-Dichlorobenzene, TCLP	mg/L	0.00459		0.00800	0.00092 U	57	%	32-104	
2-Methylphenol, TCLP	mg/L	0.00603		0.00800	0.00118 U	75	%	42-117	
Hexachloroethane, TCLP	mg/L	0.00448		0.00800	0.00212 U	56	%	28-105	
4-Methylphenol, TCLP	mg/L	0.01222		0.01600	0.00066 U	76	%	37-117	
Nitrobenzene, TCLP	mg/L	0.00620		0.00800	0.00158 U	77	%	44-120	
Hexachlorobutadiene, TCLP	mg/L	0.00545		0.00800	0.00168 U	68	%	28-110	
2,4,6-Trichlorophenol, TCLP	mg/L	0.00696		0.00800	0.00158 U	87	%	50-121	
2,4,5-Trichlorophenol, TCLP	mg/L	0.00742 J		0.00800	0.00156 U	93	%	50-126	
2,4-Dinitrotoluene, TCLP	mg/L	0.00734		0.00800	0.00160 U	92	%	55-130	
Hexachlorobenzene, TCLP	mg/L	0.00634		0.00800	0.00214 U	79	%	54-129	
Pentachlorophenol, TCLP	mg/L	0.00784 J		0.00800	0.01008 U	98	%	35-154	

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

QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/15/2005

CUSTOMER: ERM PROJECT: RABCO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	M05FLCS003	51129-002		07/08/2005	1417

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nmp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 51194

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	ug/L	1071.64		1000.00		107	%	80-120	
Barium	ug/L	317.10		300.00		106	%	80-120	
Cadmium	ug/L	315.74		300.00		105	%	80-120	
Chromium	ug/L	318.52		300.00		106	%	80-120	
Lead	ug/L	1048.76		1000.00		105	%	80-120	
Selenium	ug/L	560.58		500.00		112	%	80-120	
Silver	ug/L	306.29		300.00		102	%	80-120	

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

QUALITY CONTROL RESULTS

Job Number.: 210034 — Report Date.: 07/15/2005

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

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		51129 -001		07/08/2005	1411

Test Method.....: 6010B — Equipment Code....: ICAP1 — Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) — Batch.....: 51194

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	ug/L	3.9	U						
Barium	ug/L	0.7	U						
Cadmium	ug/L	1.1	U						
Chromium	ug/L	1.3	U						
Lead	ug/L	3.0	U						
Selenium	ug/L	5.0	U						
Silver	ug/L	1.1	U						

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

QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/15/2005

CUSTOMER: ERM PROJECT: RABCO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		210033-2		07/08/2005	1511

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 51194

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic	ug/L	3.90	U			3.90	U	0.8749		3.9000	
Barium	ug/L	80.54				81.74		1.5		20.0	
Cadmium	ug/L	1.10	U			1.10	U	0.1028		1.1000	
Chromium	ug/L	1.30	U			1.30	U	0.0989		1.3000	
Lead	ug/L	3.00	U			3.00	U	0.6226		3.0000	
Selenium	ug/L	5.00	U			5.00	U	1.5926		5.0000	
Silver	ug/L	1.10	U			1.10	U	0.0652		1.1000	

Page 23 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/15/2005

CUSTOMER: ERM PROJECT: RABCO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	M03EWRK023	210033-2		07/08/2005	1517

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nmp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 51194

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic	ug/L	42.16		40.00	3.90	U	105		75-125	
Barium	ug/L	2200.60		2000.00	81.74		106		75-125	
Cadmium	ug/L	54.46		50.00	1.10	U	109		75-125	
Chromium	ug/L	214.79		200.00	1.30	U	107		75-125	
Lead	ug/L	19.71		20.00	3.00	U	99		75-125	
Selenium	ug/L	58.49		50.00	5.00	U	117		75-125	
Silver	ug/L	48.90		50.00	1.10	U	98		75-125	

Page 24 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 210034 — Report Date.: 07/15/2005

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

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
SD	Serial Dilution		210034-2		07/08/2005	1405

Test Method.....: 6010B — Equipment Code....: ICAP1 — Analyst...: mnp
Method Description.: Metals Analysis (ICAP Trace) — Batch.....: 51194

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic, TCLP	mg/L	0.01950 U			0.01950 U				
Barium, TCLP	mg/L	0.07836			0.38913	0.7		10.0	
Cadmium, TCLP	mg/L	0.00550 U			0.00550 U				
Chromium, TCLP	mg/L	0.00650 U			0.01636 B				
Lead, TCLP	mg/L	0.01500 U			0.01500 U				
Selenium, TCLP	mg/L	0.02500 U			0.02500 U				
Silver, TCLP	mg/L	0.00550 U			0.00550 U				

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

QUALITY CONTROL RESULTS

Job Number.: 210034

Report Date.: 07/15/2005

CUSTOMER: ERM

PROJECT: RABCO PRODUCTS

ATTN: Andy Coenen

Test Method.....: 7470A
Method Description.: Leachable, Mercury (CVAA)
Parameter.....: Mercury

Batch.....: 51184
Equipment Code...: MERC1

Analyst...: nnp
Test Code.: HG

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	F	*	Limits	Date	Time
ICV	51184-001	M05GWRK001	ug/L	491.96			500.00			98			80-120	07/08/2005	1616
ICB	51184-002		ug/L	0.2	U									07/08/2005	1617
MB	51134 -001		ug/L	0.2	U									07/08/2005	1618
LCS	51134 -002	M04JSTK001	ug/L	8967.20			10000.00			90		%	80-120	07/08/2005	1619
CCV	51184-013	M05GWRK001	ug/L	487.95			500.00			98		%	80-120	07/08/2005	1628
CCB	51184-014		ug/L	0.2	U									07/08/2005	1629
MD	210038-3		ug/L	0.18	U			0.18	U	0.0110			0.1800	07/08/2005	1630
MS	210038-3	M04AWRK010	ug/L	1.99			2.00	0.18	U	99			75-125	07/08/2005	1631
CCV	51184-018	M05GWRK001	ug/L	496.88			500.00			99		%	80-120	07/08/2005	1642
CCB	51184-019		ug/L	0.2	U									07/08/2005	1643

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

QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/14/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

Test Method.....: 1030 Batch.....: 51375 Analyst...: dtn
Method Description.: Ignitability (solids) Equipment Code....: Test Code.: IGNSOL
Parameter.....: Ignitability

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MD	210011-18		Pos/Neg	Neg			Neg					07/11/2005	1610

Test Method.....: 1020 Batch.....: 51376 Analyst...: dtn
Method Description.: Ignitability Equipment Code....: Test Code.: IGNPMC
Parameter.....: Ignitability (Flashpoint)

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MD	210001-5		degrees F	160.00000			161.00000					07/11/2005	1610

Test Method.....: 9014M Batch.....: 51069 Analyst...: dtn
Method Description.: Reactivity, Cyanide Equipment Code....: LACHET 3 Test Code.: REACCN
Parameter.....: Reactivity, Cyanide

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	F	*	Limits	Date	Time
ICV	51069-001	W05GINT001	ug/L	103.67			100.00			104			90-110	07/05/2005	1649
ICB	51069-002		ug/L	10.00	U									07/05/2005	1650
CCV	51069-003	W05GINT001	ug/L	103.43			100.00			103		%	90-110	07/05/2005	1651
CCB	51069-004		ug/L	10.00	U									07/05/2005	1652
MB	51069-006		ug/Kg	500.00	U									07/05/2005	1654
MD	210034-1		ug/Kg	500.00	U			500.00	U	0.4656			500.0000	07/05/2005	1656
CCV	51069-010	W05GINT001	ug/L	103.50			100.00			104		%	90-110	07/05/2005	1658
CCB	51069-011		ug/L	10.00	U									07/05/2005	1659

Test Method.....: 9034M Batch.....: 50990 Analyst...: dtn
Method Description.: Reactivity, Sulfide Equipment Code....: Test Code.: REACS
Parameter.....: Reactivity, Sulfide

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	F	*	Limits	Date	Time
MB	50990-001		mg/Kg	12.26	U									07/05/2005	0930
MS	50990-002	W05FSTK018	mg/Kg	432.00			480.00	12.26	U	90			0-200	07/05/2005	0946
MD	209999-1		mg/Kg	12.20	U			12.20	U	0.0160			19.9000	07/05/2005	1035
MS	209999-1	W05FSTK018	mg/Kg	12.19	U		480.00	12.19	U	-2			0-200	07/05/2005	1052
MB	50990-009		mg/Kg	12.26	U									07/05/2005	1141
MS	50990-010	W05FSTK018	mg/Kg	368.00			480.00	12.26	U	77			0-200	07/05/2005	1157
MD	210034-1		mg/Kg	12.22	U			12.22	U	0.0160			19.9400	07/05/2005	1214
MS	210034-1	W05FSTK018	mg/Kg	270.65			480.00	12.20	U	56			0-200	07/05/2005	1230

Test Method.....: 9045C Batch.....: 51070 Analyst...: dtn
Method Description.: pH (Soil) Equipment Code....: Test Code.: CORSOL
Parameter.....: Corrosivity (pH Solid)

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	51070-001		yes/no	no								07/05/2005	1300
MDPH	210034-1		yes/no	no			no	0.00		A	0.20000	07/05/2005	1430

QUALITY CONTROL RESULTS

Job Number.: 210034

Report Date.: 07/14/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Test Method.....: 9040B
Method Description.: pH (Liquid)
Parameter.....: Corrosivity (pH-Liquids)

Batch.....: 51493
Equipment Code....:

Analyst...: msh
Test Code.: CORLIQ

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	51493-001		pH Units	no								07/08/2005	1712

Test Method.....: 9045C
Method Description.: pH (Soil)
Parameter.....: pH

Batch.....: 51070
Equipment Code....:

Analyst...: dtn
Test Code.: PH

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	51070-001		pH Units	5.72000								07/05/2005	1300
MDPH	210034-1		pH Units	8.52000			8.32000	0.20000		A	0.40000	07/05/2005	1430

Test Method.....: 9040B
Method Description.: pH (Liquid)
Parameter.....: pH

Batch.....: 51493
Equipment Code....:

Analyst...: msh
Test Code.: PH

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	51493-001		pH Units	5.72000								07/08/2005	1712
MDPH	210045-3		pH Units	7.24000			7.19000	0.05000		A	0.20000	07/08/2005	1723

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

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QUALITY ASSURANCE METHODS
REFERENCES AND NOTES

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) 1.3°C
(2) 2.0°C
(3) 1.7°C

SEVERN TRENT **STL**

PASSED RAD SCREEN

Severn Trent Laboratories, Inc.

STL-4124 (0901)

STL-Connecticut

Client	Project Manager	Date	Chain of Custody Number
ERM	QA/QC contact: Andy Coenen	6/28/05	02859
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
1159 Pittsford-Victor Road Suite 200	Phone: 631-756-8900		
City / State / Zip Code	**Site Contact**	**Lab Contact**	**Analysis (Attach list if more space is needed)**
Pittsford / NY / 14534	Jeremy Wolf	Bill Goodman	
Project Name and Location (State)	**Carrier/Waybill Number**		
Former Raeco Products RI/FS Roch, NY	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 RCRA metals	Reactivity Sulfide/Cyanide	Corrosivity, Flamm.	VOC 8260 oz.1	SVOC 8270 oz.1	Metals TAL ILM04.1	Special Instructions/ Conditions of Receipt
WC-02 (1)	6/28/05	1005				X	X						X	X	X	X	X				Waste Characterization Sample
WC-01 (2)	6/28/05	1040		X		X (DW)	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																		X			

210034
07/17/2005
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)

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

Comments
Electronic Deliverable to Andy.Coenen@ERM.com Report to: Andy Coenen, ERM, 520 Broadhollow Road, Suite 200 Melville NY 11747

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

rpjsckl | Job Sample Receipt Checklist Report | V2

Job Number.: 210034 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)		
Correct containers used?	Y	
Adequate sample volume provided?	Y	
Samples preserved correctly?		
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	

06/30/05

Page 1

STL-Connecticut

STL - Connecticut
Internal Chain-of-Custody

210034

07/17/2005

ERM
ANDY COENEN
RAECO PRODUCTS

Trip Blank: —

QC: — Air: —

FB: —

Soil: 01 Water: 02

Date Received: 06/30/05

Sample #s: 01-02

Locations: B2, 124, 35P, 90B

Laboratory Sample #	Relinquished by	Accepted by	Date	Time	Reason	Relinquished by	Accepted by	Date	Time
1			7/1	1410	TCLP			7/1	17:05
2			7/2	1030	TCLP	USED	←		
2		RL	7/05	8:30	EXT				
1+2		RW	7/5	9:05	REACT	RW		7/6	11:50
1		MM	7/5	15:30	TCLP	MM		7/5	1600
1+2		DKG	7/8	1100	pH				
2		[illegible]	7/9/05	14:30	VOA	Used			
1+2		DKG	7/11	1230	1020/1030	DKG		7/11	1700
1									
2			7/12	1140	pH/corros			7/12	1215

Page 36

STL Form# SMF00507.CT

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

JOB NO: 210034

SAMPLE IN (Extractions)					SAMPLE IN (Extractions)				
Sample(s)	Date	Time	Sign.	Location	Sample(s)	Date	Time	Sign.	Location
2	7/6	1900	[illegible]	36					
01	07/10/05	2:34	[illegible]	36					

SAMPLE OUT					SAMPLE IN			
Sample(s)	Date	Time	Code	Sign.	Date	Time	Location	Sign.
2	7/7	12:00	AN	KEW	7/7	15:30	36	KEW
1	7/12	1130	AN	DM	7/12	1230	36	DM

Codes: SC = Screening AN = Analysis

Verified By: [signature] Date: 7-18-05

Lab Form: SMF01201.CT

SEVERN TRENT STL

CHAIN OF CUSTODY
ATOMIC SPECTROSCOPY DEPARTMENT

Job Number: 210034 Sample Numbers: 1-2

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:

[signature]	7/7/05	ICP
[signature]	7/8/05	Mercury
Chemist	Date(s)	

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

Analysis:

[signature]	7/15/05	ICP
[signature]	7/15/05	Mercury
Chemist	Date(s)	

I have reviewed and authorized the release of the job:

Complete: [signature] 7/15/05

Supervisor Date

QAF02600.CT

SDG NARRATIVE

STL Report : 210034
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.

Classical Chemistry - Listed below are the wet chemistry analyte methods and references for the samples analyzed in this SDG. No analytical problems were encountered and all holding times were met. Please note that the EPA has found reactive cyanide and reactive sulfide tests to be unreliable. In an April 1998 memorandum, the EPA withdrew their original guidance on threshold levels for these tests.

Analyte	Method	Reference
Corrosivity/pH	9040B/9045C	1
Cyanide – Reactive	9014M	1
Ignitability	1020/1030	1
Sulfide - Reactive	9034M	1

References:

1. Test Methods for the Evaluation of Solid Wastes, SW846, 3rd ed., 1986.

Metals – ICAP metals were determined using a JA61E trace ICAP; mercury was determined by cold vapor technique using a Perkin Elmer mercury analyzer; following guidance provided in SW846 according to methods: ICAP – 3010A/6010B; mercury-7470A.

TCLP samples were prepared following guidance provided in SW846 according to method 1311.

Semi-Volatile Organics - Semi-volatile organic samples were analyzed by capillary GC/MS according to NYSDEC Protocols using guidance provided in Method 8270C. The instrumentation used was a Hewlett-Packard Gas Chromatograph interfaced with a Mass Selective Detector.

A 1ul injection was used for all samples and standards. Refer to the standard concentration form behind the Form 8's for specific compound concentrations in each of the calibration levels. Internal standards were added to all samples and standards at 20ng/ul for instrument MSU and 5ng/ul for instrument MSX..

All samples and QC analyzed on the MSX instrument were uniformly diluted 1:10 to bring the surrogates and spike compounds into the calibration range. MSX is a newer instrument with a x10 lower curve. Compound reporting limits are not affected by this starting dilution. Any analysis over 1:10 is considered a dilution of the sample used to bring target compounds within the calibration range.

The target compounds 3-methylphenol and 4-methylphenol cannot be chromatographically separated. The isomers are reported as a total concentration of 4-methylphenol.

All samples were analyzed without any apparent problems.

Sample Calculation:

Sample ID – WC-01
Compound – 2-fluorophenol

$$\frac{(889975\text{Area})(20\text{ng})(1000\text{ul})}{(557390\text{ Area})(1.128\text{ Area/ng})(1\text{ul})(900\text{ml})} = 31.4 = 31\text{ug/l}$$

Volatile Organics – Volatile organics were determined by purge and trap GC/MS using guidance provided in Method 1311/5030B/8260B.

The spike compound percent recoveries were within the laboratory generated guidelines in the independent source quality control samples.

The recovery for the surrogate, 4-Bromofluorobenzene, was just below QC limits in 49916-5EB1.

Sample WC-01 was analyzed twice due to results having a surrogate outside QC limits. One set of data was reported since matrix interference was proven.

Sample Calculation:

Sample ID-WC-02
Compound- Trichloroethene

$$\frac{(131271\text{ area})(125\text{ng})(1)}{(296712\text{ area})(.501\text{ area/ng})(5\text{ml})} = 22.07 = 22.1\text{ ug/L} = .022\text{ mg/L.}$$

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.: 210034 — Report Date.: 07/20/2005

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

Method.....: Volatile Organics (5mL Purge) — Method Code...: 8260.5 — Prep Batch....: 49916
Batch(s).....: 51368 — Test Matrix...: TCLP — Equipment Code: MSL

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
EB1-49916-5			06/14/2005	108	72*	103	83
LCS-49916-2			06/14/2005	101	74	101	85
MB-49916-1			06/14/2005	106	77	101	86

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	53 - 125
BRFLBE	4-Bromofluorobenzene (surr)	73 - 127
DBRFLM	Dibromofluoromethane (surr)	54 - 137
TOLD8	Toluene-d8 (surr)	63 - 121

Method.....: Volatile Organics (5mL Purge) — Method Code...: 8260.5 — Prep Batch....: 51234
Batch(s).....: 51368 — Test Matrix...: TCLP — Equipment Code: MSL

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS-51234-2			07/08/2005	94	89	94	85
MB-51234-1			07/08/2005	95	92	92	90
210034- 1		WC-02	07/08/2005	90	83	91	84

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	53 - 125
BRFLBE	4-Bromofluorobenzene (surr)	73 - 127
DBRFLM	Dibromofluoromethane (surr)	54 - 137
TOLD8	Toluene-d8 (surr)	63 - 121

Method.....: Volatile Organics (5mL Purge) — Method Code...: 8260.5 — Prep Batch....: 51248
Batch(s).....: 51370 — Test Matrix...: TCLP — Equipment Code: MSL

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS-51248-2			07/09/2005	96	89	98	82
MB-51248-1			07/09/2005	89	84	86	88
210034- 2		WC-01	07/09/2005	88	88	45*	83

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	53 - 125
BRFLBE	4-Bromofluorobenzene (surr)	73 - 127
DBRFLM	Dibromofluoromethane (surr)	54 - 137
TOLD8	Toluene-d8 (surr)	63 - 121

QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/20/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05FWRK006	49916 -002		06/14/2005	1313

Test Method.....: 8260B Equipment Code....: MSL Analyst...: pam
Method Description.: Volatile Organics (5mL Purge) Batch.....: 51368

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride, TCLP	mg/L	0.003576	J	0.005000		72	%	51-139	
1,1-Dichloroethene, TCLP	mg/L	0.004742	J	0.005000		95	%	57-137	
2-Butanone (MEK), TCLP	mg/L	0.004899	J	0.005000		98	%	30-222	
Chloroform, TCLP	mg/L	0.005321		0.005000		106	%	70-124	
Carbon tetrachloride, TCLP	mg/L	0.005705		0.005000		114	%	56-131	
Benzene, TCLP	mg/L	0.004531	J	0.005000		91	%	68-126	
1,2-Dichloroethane, TCLP	mg/L	0.005260		0.005000		105	%	68-124	
Trichloroethene, TCLP	mg/L	0.004652	J	0.005000		93	%	58-125	
Tetrachloroethene, TCLP	mg/L	0.005017		0.005000		100	%	62-118	
Chlorobenzene, TCLP	mg/L	0.004730	J	0.005000		95	%	71-114	

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

QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/20/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05FWRK006	51234 -002		07/08/2005	1022

Test Method.....: 8260B Equipment Code....: MSL Analyst...: pam
Method Description.: Volatile Organics (5mL Purge) Batch.....: 51368

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride, TCLP	mg/L	0.022400		0.020000		112	%	51-139	
1,1-Dichloroethene, TCLP	mg/L	0.020267		0.020000		101	%	57-137	
2-Butanone (MEK), TCLP	mg/L	0.018037		0.020000		90	%	30-222	
Chloroform, TCLP	mg/L	0.020682		0.020000		103	%	70-124	
Carbon tetrachloride, TCLP	mg/L	0.020826		0.020000		104	%	56-131	
Benzene, TCLP	mg/L	0.021027		0.020000		105	%	68-126	
1,2-Dichloroethane, TCLP	mg/L	0.020328		0.020000		102	%	68-124	
Trichloroethene, TCLP	mg/L	0.020369		0.020000		102	%	58-125	
Tetrachloroethene, TCLP	mg/L	0.016762		0.020000		84	%	62-118	
Chlorobenzene, TCLP	mg/L	0.017712		0.020000		89	%	71-114	

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

QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/20/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05FWRK006	51248 -002		07/09/2005	1150

Test Method.....: 8260B Equipment Code....: MSL Analyst...: pam
Method Description.: Volatile Organics (5mL Purge) Batch.....: 51370

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride, TCLP	mg/L	0.021426		0.020000		107	%	51-139	
1,1-Dichloroethene, TCLP	mg/L	0.020752		0.020000		104	%	57-137	
2-Butanone (MEK), TCLP	mg/L	0.024112		0.020000		121	%	30-222	
Chloroform, TCLP	mg/L	0.020461		0.020000		102	%	70-124	
Carbon tetrachloride, TCLP	mg/L	0.020479		0.020000		102	%	56-131	
Benzene, TCLP	mg/L	0.020703		0.020000		104	%	68-126	
1,2-Dichloroethane, TCLP	mg/L	0.020641		0.020000		103	%	68-124	
Trichloroethene, TCLP	mg/L	0.019402		0.020000		97	%	58-125	
Tetrachloroethene, TCLP	mg/L	0.016080		0.020000		80	%	62-118	
Chlorobenzene, TCLP	mg/L	0.017696		0.020000		88	%	71-114	

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

51234-1MB

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Lab File ID: L1899 Lab Sample ID: 51234-1MB

Date Analyzed: 07/08/05 Time Analyzed: 1151

GC Column: RTX-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: MSL

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	51234-2LCS	51234-2LCS	L1896	1022
02	WC-02	210034-1	L1911	1725
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

51248-1MB

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Lab File ID: L1928 Lab Sample ID: 51248-1MB

Date Analyzed: 07/09/05 Time Analyzed: 1317

GC Column: RTX-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: MSL

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	51248-2LCS	51248-2LCS	L1925	1150
02	WC-01	210034-2	L1930	1454
03				
04				
05				
06				
07				
08				
09				
10				
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COMMENTS:

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

49916-1MB

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Lab File ID: W0454 Lab Sample ID: 49916-1MB

Date Analyzed: 06/14/05 Time Analyzed: 1441

GC Column: RTX-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: MSW

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	49916-2LCS	49916-2LCS	W0452	1313
02	49916-3EB1	49916-3EB1	W0455	1514
03				
04				
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COMMENTS:

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Lab File ID: LB589 BFB Injection Date: 06/22/05

Instrument ID: MSL BFB Injection Time: 1519

GC Column: RTX-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.6
75	30.0 - 60.0% of mass 95	53.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	71.3
175	5.0 - 9.0% of mass 174	6.0 (8.5)1
176	95.0 - 101.0% of mass 174	70.9 (99.4)1
177	5.0 - 9.0% of mass 176	4.7 (6.6)2

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

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
01	VSTD005LJ	VSTD005LJ	L1541	06/22/05	1608
02	VSTD020LK	VSTD020LK	L1542	06/22/05	1633
03	VSTD050LL	VSTD050LL	L1543	06/22/05	1657
04	VSTD100LM	VSTD100LM	L1544	06/22/05	1721
05	VSTD200LN	VSTD200LN	L1545	06/22/05	1745
06					
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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Lab File ID: LB602 BFB Injection Date: 07/08/05

Instrument ID: MSL BFB Injection Time: 0930

GC Column: RTX-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of mass 95	23.9	
75	30.0 - 60.0% of mass 95	55.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.6	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 100.0% of mass 95	72.5	
175	5.0 - 9.0% of mass 174	6.3	(8.6)1
176	95.0 - 101.0% of mass 174	73.2	(100.9)1
177	5.0 - 9.0% of mass 176	4.7	(6.4)2

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

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
01	VSTD050LC	VSTD050LC	L1895	07/08/05	0944
02	51234-2LCS	51234-2LCS	L1896	07/08/05	1022
03	51234-1MB	51234-1MB	L1899	07/08/05	1151
04	WC-02	210034-1	L1911	07/08/05	1725
05					
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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Lab File ID: LB603 BFB Injection Date: 07/09/05

Instrument ID: MSL BFB Injection Time: 1056

GC Column: RTX-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.6
75	30.0 - 60.0% of mass 95	53.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	74.8
175	5.0 - 9.0% of mass 174	5.5 (7.4)1
176	95.0 - 101.0% of mass 174	72.5 (96.9)1
177	5.0 - 9.0% of mass 176	4.9 (6.8)2

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

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
01	VSTD050LE	VSTD050LE	L1924	07/09/05	1110
02	51248-2LCS	51248-2LCS	L1925	07/09/05	1150
03	51248-1MB	51248-1MB	L1928	07/09/05	1317
04	WC-01	210034-2	L1930	07/09/05	1454
05					
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Lab File ID: WB006 BFB Injection Date: 05/16/05

Instrument ID: MSW BFB Injection Time: 1248

GC Column: RTX-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.1
75	30.0 - 60.0% of mass 95	48.0
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	0.3 (0.4)1
174	50.0 - 100.0% of mass 95	76.7
175	5.0 - 9.0% of mass 174	5.5 (7.1)1
176	95.0 - 101.0% of mass 174	73.6 (96.0)1
177	5.0 - 9.0% of mass 176	4.7 (6.4)2

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

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
01	VSTD020WA	VSTD020WA	W0001	05/16/05	1329
02	VSTD005WA	VSTD005WA	W0002	05/16/05	1527
03	VSTD002WA	VSTD002WA	W0003	05/16/05	1554
04	VSTD0.5WA	VSTD0.5WA	W0004	05/16/05	1622
05	VSTD050WA	VSTD050WA	W0006	05/16/05	1716
06	VSTD100WA	VSTD100WA	W0007	05/16/05	1744
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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Lab File ID: WB026 BFB Injection Date: 06/14/05

Instrument ID: MSW BFB Injection Time: 0932

GC Column: RTX-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.3
75	30.0 - 60.0% of mass 95	49.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (0.9)1
174	50.0 - 100.0% of mass 95	80.1
175	5.0 - 9.0% of mass 174	5.7 (7.1)1
176	95.0 - 101.0% of mass 174	77.1 (96.3)1
177	5.0 - 9.0% of mass 176	4.7 (6.1)2

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

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
01	VSTD020WD	VSTD020WD	W0447	06/14/05	0941
02	49916-2LCS	49916-2LCS	W0452	06/14/05	1313
03	49916-1MB	49916-1MB	W0454	06/14/05	1441
04	49916-3EB1	49916-3EB1	W0455	06/14/05	1514
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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Lab File ID (Standard): L1895 Date Analyzed: 07/08/05

Instrument ID: MSL Time Analyzed: 0944

GC Column: RTX-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

		IS1(CBZ) AREA #	IS1(CBZ) RT #	IS2 AREA #	IS2 RT #	IS3(DCB) AREA #	IS3(DCB) RT #
	12 HOUR STD	252090	8.13	297782	5.12	129786	10.17
	UPPER LIMIT	504180	8.63	595564	5.62	259572	10.67
	LOWER LIMIT	126045	7.63	148891	4.62	64893	9.67
	EPA SAMPLE NO.						
01	51234-2LCS	253988	8.13	286899	5.12	116973	10.17
02	51234-1MB	238167	8.12	286793	5.11	108800	10.17
03	WC-02	247718	8.13	296712	5.13	110953	10.17
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IS1 (CBZ) = Chlorobenzene-d5
IS2 = Fluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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 values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Lab File ID (Standard): L1924 Date Analyzed: 07/09/05

Instrument ID: MSL Time Analyzed: 1110

GC Column: RTX-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

		IS1(CBZ) AREA #	RT #	IS2 AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	259486	8.14	302399	5.13	125774	10.18
	UPPER LIMIT	518972	8.64	604798	5.63	251548	10.68
	LOWER LIMIT	129743	7.64	151200	4.63	62887	9.68
	EPA SAMPLE NO.						
01	51248-2LCS	256457	8.14	288243	5.13	116646	10.18
02	51248-1MB	243687	8.13	291960	5.12	117769	10.17
03	WC-01	262066	8.14	310534	5.13	116515	10.18
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IS1 (CBZ) = Chlorobenzene-d5
IS2 = Fluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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 values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Lab File ID (Standard): W0447 Date Analyzed: 06/14/05

Instrument ID: MSW Time Analyzed: 0941

GC Column: RTX-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

		IS1(CBZ) AREA #	IS1(CBZ) RT #	IS2 AREA #	IS2 RT #	IS3(DCB) AREA #	IS3(DCB) RT #
	12 HOUR STD	1125521	7.73	1483099	4.89	723845	10.17
	UPPER LIMIT	2251042	8.23	2966198	5.39	1447690	10.67
	LOWER LIMIT	562761	7.23	741550	4.39	361923	9.67
	EPA SAMPLE NO.						
01	49916-2LCS	1153442	7.73	1487340	4.89	712682	10.17
02	49916-1MB	1129792	7.73	1433833	4.89	649682	10.17
03	49916-3EB1	1154515	7.73	1415781	4.89	652257	10.17
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22							

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

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 values outside QC limits with an asterisk.
* Values outside of QC limits.

Batch # 38869

DETECTION LIMIT STUDY

Method.....:8260B
Analyst.....: David Humbert
Equipment ID.:,MSL
Analysis Date:10/06/2004(grp 1)

Date..:2004-10-07
Units.:ug/L
Batch.:38869
T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
Dichlorodifluoromethane	Water	2.56	ug/L	3.829030	0.368123	
Raw Data: 3.41033 4.10188 3.97488						
Chloromethane	Water	1.58	ug/L	5.199850	0.226767	
Raw Data: 4.94839 5.38882 5.26234						
Vinyl chloride	Water	1.85	ug/L	5.246213	0.265318	
Raw Data: 5.20071 5.00659 5.53134						
Bromomethane	Water	6.14	ug/L	7.239543	0.880962	
Raw Data: 8.23372 6.55590 6.92901						
Chloroethane	Water	1.27	ug/L	5.055290	0.182288	
Raw Data: 4.84766 5.12917 5.18904						
Trichlorofluoromethane	Water	0.93	ug/L	4.666560	0.134067	
Raw Data: 4.61391 4.81896 4.56681						
Ethyl ether	Water	2.58	ug/L	5.054327	0.370004	
Raw Data: 4.64535 5.36585 5.15178						
1,1 Dichloro-1-Fluoroethane	Water	2.13	ug/L	4.853520	0.305972	
Raw Data: 4.60034 5.19352 4.76670						
Freon 123	Water	5.66	ug/L	3.754273	0.812429	
Raw Data: 2.83821 4.03720 4.38741						
Trichlorotrifluoroethane	Water	1.98	ug/L	4.392187	0.284180	
Raw Data: 4.59319 4.51631 4.06706						
1,1-Dichloroethene	Water	1.31	ug/L	4.408607	0.187975	
Raw Data: 4.35071 4.61872 4.25639						
Carbon disulfide	Water	0.64	ug/L	4.599903	0.091894	
Raw Data: 4.61072 4.68591 4.50308						
Iodomethane	Water	0.94	ug/L	5.482897	0.134934	
Raw Data: 5.32826 5.57673 5.54370						
3-Chloropropene (Allyl Chloride)	Water	1.70	ug/L	4.577413	0.243409	
Raw Data: 4.40110 4.85513 4.47601						
Methylene chloride	Water	0.94	ug/L	5.520467	0.134481	
Raw Data: 5.64237 5.54282 5.37621						
Acetone	Water	0.46	ug/L	5.943233	0.065981	
Raw Data: 5.86918 5.99577 5.96475						
trans-1,2-Dichloroethene	Water	2.99	ug/L	4.683450	0.429450	
Raw Data: 4.18963 4.89120 4.96952						
Methyl-tert-butyl-ether (MTBE)	Water	1.23	ug/L	4.876577	0.177110	
Raw Data: 4.67785 4.93412 5.01776						
Acrolein	Water	11.97	ug/L	22.437200	1.717996	
Raw Data: 20.5465 22.8625 23.9026						
tert-Butyl alcohol	Water	18.31	ug/L	22.915700	2.629346	
Raw Data: 20.1166 25.3337 23.2968						

DETECTION LIMIT STUDY

Method.....:8260B
Analyst.....:David Humbert
Equipment ID.:,MSL
Analysis Date:10/06/2004(grp 1)

Date..:2004-10-07
Units.:ug/L
Batch.:38869
T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
Methyl acetate	Water	1.61	ug/L	5.109477	0.231754	
Raw Data: 4.91734 5.36686 5.04423						
Acetonitrile	Water	37.02	ug/L	49.974167	5.315072	
Raw Data: 44.0527 54.3321 51.5377						
Acrylonitrile	Water	7.62	ug/L	9.635633	1.093625	
Raw Data: 8.37480 10.2049 10.3272						
2-Chloro-1,3-butadiene (chloroprene)	Water	3.12	ug/L	4.896153	0.447770	
Raw Data: 4.38617 5.22487 5.07742						
1,1-Dichloroethane	Water	1.52	ug/L	4.846887	0.217841	
Raw Data: 4.61112 5.04070 4.88884						
Vinyl acetate	Water	1.79	ug/L	4.813523	0.256412	
Raw Data: 4.65369 5.10928 4.67760						
cis-1,2-Dichloroethene	Water	1.20	ug/L	4.564903	0.172733	
Raw Data: 4.41907 4.75566 4.51998						
2,2-Dichloropropane	Water	2.50	ug/L	5.072063	0.358563	
Raw Data: 4.68893 5.12771 5.39955						
Bromochloromethane	Water	0.98	ug/L	4.462667	0.140810	
Raw Data: 4.48925 4.31046 4.58829						
Chloroform	Water	1.65	ug/L	4.514540	0.237089	
Raw Data: 4.25649 4.72274 4.56439						
Methyl Acrylate	Water	2.80	ug/L	4.528137	0.401584	
Raw Data: 4.06721 4.71467 4.80253						
Tetrahydrofuran	Water	2.08	ug/L	8.257483	0.298060	
Raw Data: 7.92011 8.48511 8.36723						
1,1,1-Trichloroethane	Water	1.69	ug/L	4.621593	0.242148	
Raw Data: 4.39241 4.87490 4.59747						
Carbon tetrachloride	Water	0.19	ug/L	4.576930	0.027553	
Raw Data: 4.55699 4.56543 4.60837						
2-Butanone (MEK)	Water	1.49	ug/L	4.689610	0.213525	
Raw Data: 4.93349 4.53629 4.59905						
1,1-Dichloropropene	Water	1.76	ug/L	4.748523	0.252601	
Raw Data: 4.56696 4.64161 5.03700						
Cyclohexane	Water	1.01	ug/L	4.587570	0.145590	
Raw Data: 4.43111 4.61254 4.71906						
Propionitrile	Water	23.48	ug/L	48.144433	3.371769	
Raw Data: 45.3323 51.8824 47.2186						
Benzene	Water	2.03	ug/L	5.251410	0.292071	
Raw Data: 4.92921 5.32622 5.49880						
Methacrylonitrile	Water	3.54	ug/L	4.844870	0.508408	
Raw Data: 4.25902 5.17041 5.10518						

DETECTION LIMIT STUDY

Method.....:8260B
Analyst.....:David Humbert
Equipment ID.:,MSL
Analysis Date:10/06/2004(grp 1)

Date..:2004-10-07
Units.:ug/L
Batch.:38869
T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
1,2-Dichloroethane	Water	2.39	ug/L	5.051790	0.343636	
Raw Data: 4.70763 5.39490 5.05284						
Methyl cyclohexane	Water	1.28	ug/L	5.018820	0.183812	
Raw Data: 4.82764 5.19425 5.03457						
Trichloroethene	Water	1.63	ug/L	4.856520	0.233817	
Raw Data: 4.98269 4.58672 5.00015						
Dibromomethane	Water	1.89	ug/L	4.541207	0.271117	
Raw Data: 4.45593 4.32298 4.84471						
1,2-Dichloropropane	Water	0.92	ug/L	5.125540	0.132017	
Raw Data: 4.99827 5.11651 5.26184						
Bromodichloromethane	Water	0.88	ug/L	4.522883	0.126410	
Raw Data: 4.38744 4.54348 4.63773						
1,4-Dioxane	Water	212.18	ug/L	168.90200	30.463458	
Raw Data: 153.031 204.024 149.651						
2-Chloroethylvinylether	Water	9.66	ug/L	5.287710	1.387241	
Raw Data: 4.31611 6.87643 4.67059						
cis-1,3-Dichloropropene	Water	3.55	ug/L	4.854130	0.509716	
Raw Data: 4.28374 5.01362 5.26503						
2-Nitropropane	Water	1.78	ug/L	9.286020	0.256031	
Raw Data: 9.24796 9.55895 9.05115						
trans-1,3-Dichloropropene	Water	0.49	ug/L	4.687707	0.069774	
Raw Data: 4.64002 4.76779 4.65531						
1,1,2-Trichloroethane	Water	0.39	ug/L	5.002527	0.055312	
Raw Data: 5.04525 4.94005 5.02228						
Toluene	Water	1.07	ug/L	4.979777	0.152916	
Raw Data: 4.89784 4.88529 5.15620						
1,1-Dichloro-2-propanone	Water	7.91	ug/L	22.555433	1.136006	
Raw Data: 21.3069 22.8313 23.5281						
4-Methyl-2-pentanone (MIBK)	Water	1.16	ug/L	4.634833	0.166407	
Raw Data: 4.45766 4.78783 4.65901						
Tetrachloroethene	Water	2.30	ug/L	4.511667	0.330855	
Raw Data: 4.15480 4.80821 4.57199						
Ethylmethacrylate	Water	0.43	ug/L	4.466533	0.061748	
Raw Data: 4.48781 4.39696 4.51483						
Dibromochloromethane	Water	2.06	ug/L	4.110027	0.296203	
Raw Data: 3.78416 4.18299 4.36293						
1,3-Dichloropropane	Water	0.86	ug/L	4.584003	0.124180	
Raw Data: 4.46506 4.57412 4.71283						
1,2-Dibromoethane (EDB)	Water	0.78	ug/L	4.377100	0.111276	
Raw Data: 4.40903 4.25335 4.46892						

DETECTION LIMIT STUDY

Method.....:8260B
Analyst.....: David Humbert
Equipment ID.:,MSL
Analysis Date:10/06/2004(grp 1)

Date..:2004-10-07
Units.:ug/L
Batch.:38869
T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
2-Hexanone	Water	1.14	ug/L	4.295980	0.163970	
Raw Data: 4.10665 4.38929 4.39200						
1-Chlorohexane	Water	3.88	ug/L	5.173897	0.557368	
Raw Data: 4.55226 5.34037 5.62906						
Chlorobenzene	Water	0.69	ug/L	4.905783	0.098660	
Raw Data: 4.80710 4.90583 5.00442						
1,1,1,2-Tetrachloroethane	Water	1.28	ug/L	4.408417	0.183472	
Raw Data: 4.27136 4.61685 4.33704						
Ethylbenzene	Water	0.95	ug/L	4.768170	0.136613	
Raw Data: 4.64421 4.74566 4.91464						
m&p-Xylenes	Water	2.14	ug/L	9.742113	0.307314	
Raw Data: 9.51196 9.62328 10.0911						
o-Xylene	Water	0.86	ug/L	4.886477	0.123022	
Raw Data: 4.74443 4.95629 4.95871						
Styrene	Water	0.28	ug/L	4.795540	0.040347	
Raw Data: 4.84093 4.78194 4.76375						
Bromoform	Water	3.21	ug/L	3.637290	0.460358	
Raw Data: 3.29438 3.45698 4.16051						
Isopropylbenzene	Water	0.67	ug/L	4.834297	0.096573	
Raw Data: 4.73384 4.92645 4.84260						
1,1,2,2-Tetrachloroethane	Water	2.05	ug/L	4.645053	0.294104	
Raw Data: 4.31154 4.86725 4.75637						
Bromobenzene	Water	0.45	ug/L	4.814237	0.063947	
Raw Data: 4.74180 4.83805 4.86286						
1,2,3-Trichloropropane	Water	3.02	ug/L	4.594653	0.432912	
Raw Data: 5.08933 4.28499 4.40964						
trans-1,4-Dichloro-2-butene	Water	6.96	ug/L	8.925793	0.999239	
Raw Data: 8.02446 8.75262 10.0003						
n-Propylbenzene	Water	2.51	ug/L	4.903367	0.359919	
Raw Data: 4.49527 5.17549 5.03934						
2-Chlorotoluene	Water	1.94	ug/L	5.004710	0.278462	
Raw Data: 4.68358 5.17933 5.15122						
4-Chlorotoluene	Water	1.62	ug/L	4.817390	0.233251	
Raw Data: 4.55289 4.90564 4.99364						
1,3,5-Trimethylbenzene	Water	2.31	ug/L	4.895340	0.331171	
Raw Data: 4.51455 5.05535 5.11612						
tert-Butylbenzene	Water	1.81	ug/L	4.838313	0.259507	
Raw Data: 4.55003 5.05326 4.91165						
1,2,4-Trimethylbenzene	Water	2.29	ug/L	4.943660	0.328991	
Raw Data: 4.56884 5.18462 5.07752						

DETECTION LIMIT STUDY

Method.....:8260B
Analyst.....:David Humbert
Equipment ID.:,MSL
Analysis Date:10/06/2004(grp 1)

Date..:2004-10-07
Units.:ug/L
Batch.:38869
T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
sec-Butylbenzene	Water	2.05	ug/L	4.752433	0.294264	
Raw Data: 4.41333 4.90333 4.94064						
p-Isopropyltoluene	Water	2.48	ug/L	4.752420	0.356693	
Raw Data: 4.34259 4.92185 4.99282						
1,3-Dichlorobenzene	Water	2.02	ug/L	4.680080	0.289846	
Raw Data: 4.44050 4.59748 5.00226						
1,4-Dichlorobenzene	Water	2.37	ug/L	4.848607	0.340586	
Raw Data: 4.46647 5.12016 4.95919						
1,2-Dichlorobenzene	Water	2.02	ug/L	4.815910	0.289969	
Raw Data: 4.48137 4.99520 4.97116						
Benzyl chloride	Water	0.86	ug/L	3.735487	0.122783	
Raw Data: 3.72175 3.86456 3.62015						
n-Butylbenzene	Water	2.11	ug/L	4.313440	0.302650	
Raw Data: 3.98003 4.57084 4.38945						
1,2-Dibromo-3-chloropropane	Water	2.03	ug/L	2.947283	0.292130	
Raw Data: 2.84168 2.72264 3.27753						
Nitrobenzene	Water	18.15	ug/L	13.566200	2.606100	
Raw Data: 11.3104 16.4190 12.9692						
1,2,4-Trichlorobenzene	Water	2.43	ug/L	3.512250	0.348428	
Raw Data: 3.13346 3.81908 3.58421						
Hexachlorobutadiene	Water	6.53	ug/L	4.458147	0.938158	
Raw Data: 3.39232 5.15884 4.82328						
Naphthalene	Water	1.67	ug/L	2.893737	0.239908	
Raw Data: 2.61973 3.06604 2.99544						
1,2,3-Trichlorobenzene	Water	2.72	ug/L	3.007197	0.389967	
Raw Data: 2.65165 3.42427 2.94567						
1,2-Dichloroethene (total)	Water	3.90	ug/L	9.248353	0.559506	
Raw Data: 8.60871 9.64685 9.48950						
Xylenes (total)	Water	2.78	ug/L	14.628600	0.398963	
Raw Data: 14.2564 14.5796 15.0498						

DETECTION LIMIT STUDY

Method.....:8260B
Analyst.....: Larry Decker
Equipment ID.:HP,MSW
Analysis Date:05/17/2005(grp 1)

Date..:2005-06-13
Units.:ug/L
Batch.:49808
T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
Dichlorodifluoromethane	Water	0.20	ug/L	0.213663	0.028492	
Raw Data: 0.18771 0.20913 0.24415						
Chloromethane	Water	0.15	ug/L	0.400143	0.020975	
Raw Data: 0.38542 0.39085 0.42416						
Vinyl chloride	Water	0.13	ug/L	0.242733	0.018908	
Raw Data: 0.25689 0.22126 0.25005						
Bromomethane	Water	1.19	ug/L	0.454033	0.170855	
Raw Data: 0.54075 0.25721 0.56414						
Chloroethane	Water	0.56	ug/L	0.329437	0.080682	
Raw Data: 0.39234 0.23847 0.35750						
Trichlorofluoromethane	Water	0.24	ug/L	0.340597	0.035053	
Raw Data: 0.31120 0.33120 0.37939						
Dichlorofluoromethane	Water	0.32	ug/L	0.418330	0.045894	
Raw Data: 0.39242 0.47132 0.39125						
Ethyl ether	Water	0.39	ug/L	0.465143	0.056438	
Raw Data: 0.41193 0.52433 0.45917						
1,1 Dichloro-1-Fluoroethane	Water	0.03	ug/L	0.343293	0.004963	
Raw Data: 0.34437 0.33788 0.34763						
Freon 123	Water	0.70	ug/L	0.329173	0.099995	
Raw Data: 0.23000 0.32755 0.42997						
Trichlorotrifluoroethane	Water	0.25	ug/L	0.319960	0.035914	
Raw Data: 0.32392 0.28223 0.35373						
1,1-Dichloroethene	Water	0.24	ug/L	0.351650	0.033986	
Raw Data: 0.36840 0.31254 0.37401						
Carbon disulfide	Water	0.20	ug/L	0.319453	0.028267	
Raw Data: 0.31519 0.29356 0.34961						
Iodomethane	Water	0.07	ug/L	0.378253	0.010637	
Raw Data: 0.38951 0.36837 0.37688						
3-Chloropropene (Allyl Chloride)	Water	0.07	ug/L	0.380560	0.010231	
Raw Data: 0.37042 0.38038 0.39088						
Methylene chloride	Water	0.91	ug/L	1.944557	0.130219	
Raw Data: 1.98668 2.04850 1.79849						
Acetone	Water	0.47	ug/L	1.442413	0.067358	
Raw Data: 1.48422 1.36471 1.47831						
trans-1,2-Dichloroethene	Water	0.18	ug/L	0.388133	0.025810	
Raw Data: 0.38349 0.36496 0.41595						
Methyl-tert-butyl-ether (MTBE)	Water	0.09	ug/L	0.429650	0.013369	
Raw Data: 0.43021 0.41601 0.44273						
Acrolein	Water	4.68	ug/L	1.850640	0.671553	
Raw Data: 2.59940 1.65091 1.30161						

DETECTION LIMIT STUDY

Method.....:8260B
Analyst.....: Larry Decker
Equipment ID.:HP,MSW
Analysis Date:05/17/2005(grp 1)

Date..:2005-06-13
Units.:ug/L
Batch.:49808
T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
tert-Butyl alcohol	Water	0.35	ug/L	2.585233	0.049680	
Raw Data: 2.62063 2.52844 2.60663						
Methyl acetate	Water	0.14	ug/L	0.492520	0.019645	
Raw Data: 0.51453 0.47676 0.48627						
Acetonitrile	Water	0.62	ug/L	2.047713	0.089189	
Raw Data: 2.15005 2.00655 1.98654						
Isopropyl ether	Water	0.13	ug/L	0.389993	0.018173	
Raw Data: 0.37237 0.38894 0.40867						
tert-butyl Ethyl ether	Water	0.12	ug/L	0.404810	0.017294	
Raw Data: 0.41135 0.38520 0.41788						
Acrylonitrile	Water	0.42	ug/L	0.831200	0.060688	
Raw Data: 0.81002 0.89964 0.78394						
2-Chloro-1,3-butadiene (chloroprene)	Water	0.18	ug/L	0.357520	0.025335	
Raw Data: 0.33150 0.35895 0.38211						
1,1-Dichloroethane	Water	0.13	ug/L	0.397607	0.019238	
Raw Data: 0.40317 0.37620 0.41345						
Vinyl acetate	Water	0.15	ug/L	0.416577	0.022007	
Raw Data: 0.44025 0.41274 0.39674						
cis-1,2-Dichloroethene	Water	0.10	ug/L	0.400730	0.014919	
Raw Data: 0.41080 0.38359 0.40780						
2,2-Dichloropropane	Water	0.18	ug/L	0.369083	0.025460	
Raw Data: 0.37710 0.34058 0.38957						
Bromochloromethane	Water	0.16	ug/L	0.474407	0.023069	
Raw Data: 0.46185 0.46034 0.50103						
Chloroform	Water	0.03	ug/L	0.394997	0.004813	
Raw Data: 0.39955 0.39548 0.38996						
Ethyl acetate	Water	0.52	ug/L	0.902670	0.074612	
Raw Data: 0.94901 0.81660 0.94240						
Methyl Acrylate	Water	0.16	ug/L	0.460490	0.023500	
Raw Data: 0.43406 0.47903 0.46838						
Tetrahydrofuran	Water	0.69	ug/L	1.095067	0.099392	
Raw Data: 1.19286 0.99415 1.09819						
1,1,1-Trichloroethane	Water	0.10	ug/L	0.376810	0.014417	
Raw Data: 0.37601 0.36281 0.39161						
Carbon tetrachloride	Water	0.34	ug/L	0.332920	0.048699	
Raw Data: 0.33992 0.28110 0.37774						
2-Butanone (MEK)	Water	0.16	ug/L	2.672100	0.023588	
Raw Data: 2.68311 2.64502 2.68817						
1,1-Dichloropropene	Water	0.26	ug/L	0.352103	0.036727	
Raw Data: 0.32468 0.33780 0.39383						

DETECTION LIMIT STUDY

Method.....:8260B
Analyst.....: Larry Decker
Equipment ID.:HP,MSW
Analysis Date:05/17/2005(grp 1)

Date..:2005-06-13
Units.:ug/L
Batch.:49808
T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
Cyclohexane	Water	0.44	ug/L	0.283300	0.063723	
Raw Data: 0.30117 0.21255 0.33618						
tert-Amyl methyl ether	Water	0.01	ug/L	0.400603	0.001211	
Raw Data: 0.40188 0.39947 0.40046						
tert-butyl Formate	Water	0.66	ug/L	1.576777	0.095309	
Raw Data: 1.65897 1.59906 1.47230						
1-Chlorobutane	Water	0.16	ug/L	0.344483	0.023197	
Raw Data: 0.32713 0.33549 0.37083						
Propionitrile	Water	2.50	ug/L	3.953453	0.358822	
Raw Data: 4.30304 3.97126 3.58606						
Isobutyl alcohol	Water	3.47	ug/L	5.483260	0.497674	
Raw Data: 5.97293 4.97795 5.49890						
Benzene	Water	0.22	ug/L	0.392370	0.032156	
Raw Data: 0.37733 0.37049 0.42929						
Methacrylonitrile	Water	0.45	ug/L	0.375797	0.064738	
Raw Data: 0.45042 0.34229 0.33468						
1,2-Dichloroethane	Water	0.06	ug/L	0.411930	0.009006	
Raw Data: 0.41356 0.42001 0.40222						
Methyl cyclohexane	Water	0.26	ug/L	0.278577	0.036866	
Raw Data: 0.26720 0.24874 0.31979						
Trichloroethene	Water	0.15	ug/L	0.406197	0.021759	
Raw Data: 0.39132 0.39610 0.43117						
Dibromomethane	Water	0.13	ug/L	0.489697	0.018374	
Raw Data: 0.47357 0.48582 0.50970						
1,2-Dichloropropane	Water	0.26	ug/L	0.415310	0.037531	
Raw Data: 0.41143 0.37987 0.45463						
Bromodichloromethane	Water	0.17	ug/L	0.370767	0.024551	
Raw Data: 0.34539 0.37251 0.39440						
1,4-Dioxane	Water	10.71	ug/L	15.317133	1.538336	
Raw Data: 15.9318 13.5665 16.4531						
2-Chloroethylvinylether	Water	0.58	ug/L	0.444783	0.083903	
Raw Data: 0.54152 0.40103 0.39180						
cis-1,3-Dichloropropene	Water	0.14	ug/L	0.365383	0.019700	
Raw Data: 0.34283 0.37409 0.37923						
2-Nitropropane	Water	0.78	ug/L	0.975807	0.111299	
Raw Data: 1.08452 0.98081 0.86209						
Chloroacetonitrile	Water	0.86	ug/L	9.165410	0.123899	
Raw Data: 9.06891 9.12219 9.30513						
trans-1,3-Dichloropropene	Water	0.05	ug/L	0.357977	0.007232	
~~Raw Data: 0.36388 0.34991 0.36014~~						

DETECTION LIMIT STUDY

Method.....:8260B
Analyst.....: Larry Decker
Equipment ID.:HP,MSW
Analysis Date:05/17/2005(grp 1)

Date..:2005-06-13
Units.:ug/L
Batch.:49808
T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
1,1,2-Trichloroethane	Water	0.17	ug/L	0.443420	0.025093	
Raw Data: 0.47064 0.42121 0.43841						
Toluene	Water	0.09	ug/L	0.387590	0.013451	
Raw Data: 0.39347 0.37220 0.39710						
1,1-Dichloro-2-propanone	Water	0.49	ug/L	1.919867	0.069849	
Raw Data: 1.91487 1.85265 1.99208						
4-Methyl-2-pentanone (MIBK)	Water	0.40	ug/L	0.434410	0.057566	
Raw Data: 0.48956 0.37470 0.43897						
Tetrachloroethene	Water	0.25	ug/L	0.342753	0.035292	
Raw Data: 0.31979 0.32508 0.38339						
Ethylmethacrylate	Water	0.10	ug/L	0.423430	0.014204	
Raw Data: 0.42417 0.40887 0.43725						
Dibromochloromethane	Water	0.27	ug/L	0.405963	0.039238	
Raw Data: 0.38998 0.37724 0.45067						
1,3-Dichloropropane	Water	0.17	ug/L	0.407523	0.024053	
Raw Data: 0.38597 0.40313 0.43347						
1,2-Dibromoethane (EDB)	Water	0.21	ug/L	0.437463	0.030420	
Raw Data: 0.45543 0.45462 0.40234						
2-Hexanone	Water	0.51	ug/L	0.676730	0.072875	
Raw Data: 0.67181 0.75194 0.60644						
1-Chlorohexane	Water	0.08	ug/L	0.114253	0.011570	
Raw Data: 0.10408 0.11184 0.12684						
Chlorobenzene	Water	0.12	ug/L	0.388927	0.016632	
Raw Data: 0.40723 0.37474 0.38481						
1,1,1,2-Tetrachloroethane	Water	0.25	ug/L	0.376293	0.035922	
Raw Data: 0.37341 0.34190 0.41357						
Ethylbenzene	Water	0.17	ug/L	0.348517	0.024371	
Raw Data: 0.34040 0.32924 0.37591						
m&p-Xylenes	Water	0.26	ug/L	0.710007	0.037193	
Raw Data: 0.69278 0.68455 0.75269						
o-Xylene	Water	0.18	ug/L	0.354877	0.025643	
Raw Data: 0.34371 0.33671 0.38421						
Styrene	Water	0.16	ug/L	0.329717	0.022536	
Raw Data: 0.31534 0.31812 0.35569						
Bromoform	Water	0.07	ug/L	0.401817	0.010189	
Raw Data: 0.40086 0.39214 0.41245						
Isopropylbenzene	Water	0.17	ug/L	0.338310	0.023720	
Raw Data: 0.32459 0.32464 0.36570						
1,1,2,2-Tetrachloroethane	Water	0.09	ug/L	0.408907	0.013000	
~~Raw Data: 0.39434 0.41305 0.41933~~						

DETECTION LIMIT STUDY

Method.....:8260B
Analyst.....: Larry Decker
Equipment ID.:HP,MSW
Analysis Date:05/17/2005(grp 1)

Date..:2005-06-13
Units.:ug/L
Batch.:49808
T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
Bromobenzene	Water	0.04	ug/L	0.378463	0.005918	
Raw Data: 0.37163 0.38196 0.38180						
1,2,3-Trichloropropane	Water	0.54	ug/L	0.497197	0.078126	
Raw Data: 0.41688 0.57293 0.50178						
trans-1,4-Dichloro-2-butene	Water	0.24	ug/L	0.776293	0.034855	
Raw Data: 0.79399 0.79875 0.73614						
n-Propylbenzene	Water	0.11	ug/L	0.316487	0.016138	
Raw Data: 0.30957 0.30496 0.33493						
2-Chlorotoluene	Water	0.21	ug/L	0.337113	0.030774	
Raw Data: 0.32191 0.31690 0.37253						
4-Chlorotoluene	Water	0.18	ug/L	0.338033	0.026207	
Raw Data: 0.32991 0.31685 0.36734						
1,3,5-Trimethylbenzene	Water	0.12	ug/L	0.319830	0.017321	
Raw Data: 0.30978 0.30988 0.33983						
tert-Butylbenzene	Water	0.13	ug/L	0.316983	0.018684	
Raw Data: 0.31600 0.29881 0.33614						
1,2,4-Trimethylbenzene	Water	0.18	ug/L	0.333877	0.025764	
Raw Data: 0.34598 0.30429 0.35136						
sec-Butylbenzene	Water	0.20	ug/L	0.308547	0.028396	
Raw Data: 0.30042 0.28510 0.34012						
p-Isopropyltoluene	Water	0.18	ug/L	0.297737	0.025594	
Raw Data: 0.28952 0.27726 0.32643						
1,3-Dichlorobenzene	Water	0.12	ug/L	0.343720	0.017088	
Raw Data: 0.34210 0.32750 0.36156						
1,4-Dichlorobenzene	Water	0.07	ug/L	0.385650	0.010485	
Raw Data: 0.38566 0.37516 0.39613						
1,2-Dichlorobenzene	Water	0.23	ug/L	0.352357	0.032854	
Raw Data: 0.32017 0.35106 0.38584						
Benzyl chloride	Water	0.03	ug/L	0.287260	0.003857	
Raw Data: 0.28299 0.29049 0.28830						
n-Butylbenzene	Water	0.07	ug/L	0.273967	0.009798	
Raw Data: 0.27466 0.28340 0.26384						
1,2-Dibromo-3-chloropropane	Water	0.60	ug/L	0.429913	0.085520	
Raw Data: 0.51435 0.34335 0.43204						
Nitrobenzene	Water	1.47	ug/L	2.048343	0.210737	
Raw Data: 2.15473 1.80562 2.18468						
1,2,4-Trichlorobenzene	Water	0.14	ug/L	0.311383	0.019682	
Raw Data: 0.29113 0.33044 0.31258						
Hexachlorobutadiene	Water	0.17	ug/L	0.324823	0.023907	
Raw Data: 0.32162 0.30268 0.35017						

DETECTION LIMIT STUDY

Method.....:8260B
Analyst.....: Larry Decker
Equipment ID.:HP,MSW
Analysis Date:05/17/2005(grp 1)

Date..:2005-06-13
Units.:ug/L
Batch.:49808
T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
Naphthalene	Water	0.04	ug/L	0.257273	0.005270	
Raw Data: 0.26256 0.25202 0.25724						
1,2,3-Trichlorobenzene	Water	0.05	ug/L	0.303840	0.006661	
Raw Data: 0.29702 0.31033 0.30417						
1,2-Dichloroethene (total)	Water	0.26	ug/L	0.788857	0.037897	
Raw Data: 0.79428 0.74854 0.82375						
Xylenes (total)	Water	0.44	ug/L	1.064883	0.062831	
Raw Data: 1.03649 1.02126 1.13690						

LABORATORY TEST RESULTS

Job Number: 210034 Date:07/19/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

Customer Sample ID: WC-02
Date Sampled.....: 06/28/2005
Time Sampled.....: 10:05
Sample Matrix.....: Soil

Laboratory Sample ID: 210034-1
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
8260B	Volatile Organics (5mL Purge)											
	Vinyl chloride, TCLP	ND	U		0.00080	0.0050	1.00000	mg/L	51368		07/08/05 1725	pam
	1,1-Dichloroethene, TCLP	ND	U		0.00070	0.0050	1.00000	mg/L	51368		07/08/05 1725	pam
	2-Butanone (MEK), TCLP	ND	U		0.0012	0.010	1.00000	mg/L	51368		07/08/05 1725	pam
	Chloroform, TCLP	ND	U	T	0.00070	0.0050	1.00000	mg/L	51368		07/08/05 1725	pam
	Carbon tetrachloride, TCLP	ND	U		0.0010	0.0050	1.00000	mg/L	51368		07/08/05 1725	pam
	Benzene, TCLP	ND	U		0.00040	0.0050	1.00000	mg/L	51368		07/08/05 1725	pam
	1,2-Dichloroethane, TCLP	ND	U		0.00060	0.0050	1.00000	mg/L	51368		07/08/05 1725	pam
	Trichloroethene, TCLP	0.022			0.00070	0.0050	1.00000	mg/L	51368		07/08/05 1725	pam
	Tetrachloroethene, TCLP	ND	U		0.00050	0.0050	1.00000	mg/L	51368		07/08/05 1725	pam
	Chlorobenzene, TCLP	ND	U		0.00040	0.0050	1.00000	mg/L	51368		07/08/05 1725	pam

* In Description = Dry Wgt.

STL-INC

Volatile Report SW-846 Method 8260B

Data file : \\target1_ct\Files\chem\VOA\msl.i\L051895.b\L1911.D
Lab Smp Id: 210034-1 Client Smp ID: WC-02
Inj Date : 08-JUL-2005 17:25 MS Autotune Date: 26-APR-2004 14:21
Operator : D. HUMBERT Inst ID: msl.i
Smp Info : 210034-1
Misc Info : :C ;;; TCLP ; 8260B ; 1 ; LLW
Comment :
Method : \\target1_ct\Files\chem\VOA\msl.i\L051895.b\L8260BFW.m
Meth Date : 12-Jul-2005 13:15 pattym Quant Type: ISTD
Cal Date : 22-JUN-2005 17:45 Cal File: L1545.D
Als bottle: 84
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10

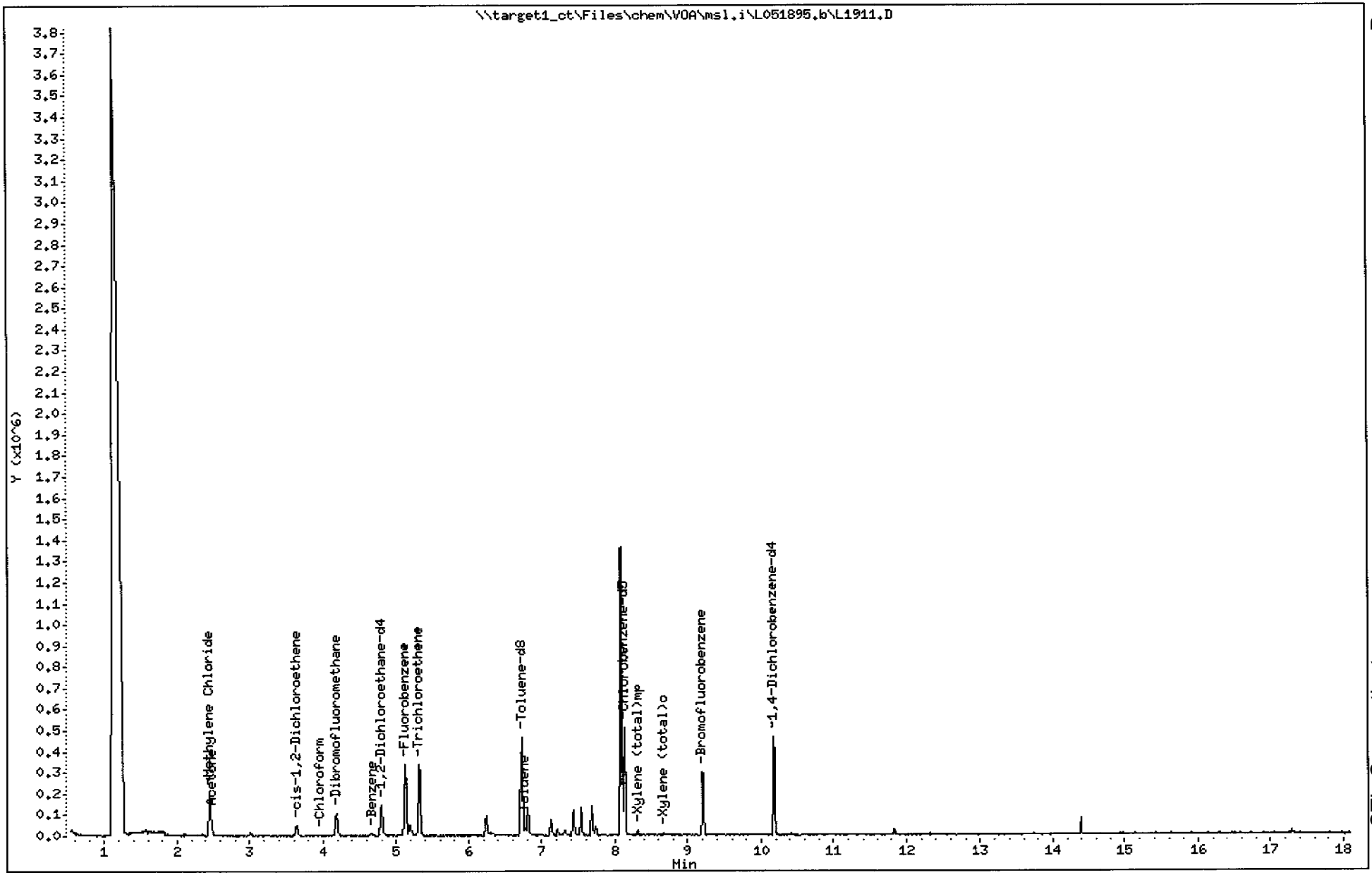
Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	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 Fluorobenzene	96	5.127	5.116	(1.000)	296712	25.0000	
	17 Methylene Chloride	84	2.451	2.450	(0.478)	67955	9.99300	10
	18 Acetone	43	2.480	2.469	(0.484)	67212	22.6435	23
	31 cis-1,2-Dichloroethene	96	3.641	3.640	(0.710)	20451	3.74291	4
	35 Chloroform	83	3.956	3.945	(0.772)	5823	0.55193	0.6
$	38 Dibromofluoromethane	111	4.182	4.181	(0.816)	87997	22.6498	23
	50 Benzene	78	4.654	4.654	(0.908)	7735	0.32839	0.3
$	52 1,2-Dichloroethane-d4	65	4.802	4.801	(0.937)	127489	22.4645	22
	58 Trichloroethene	130	5.314	5.313	(1.036)	131271	22.0951	22
*	70 Chlorobenzene-d5	117	8.128	8.127	(1.000)	247718	25.0000	
	71 Toluene	91	6.770	6.769	(0.833)	21498	1.01394	1
$	72 Toluene-d8	98	6.721	6.720	(0.827)	260141	20.9858	21
	86 Xylene (total)mp	106	8.315	8.304	(1.023)	3281	0.40870	0.4
	87 Xylene (total)o	106	8.679	8.678	(1.068)	1376	0.17803	0.2
*	90 1,4-Dichlorobenzene-d4	152	10.174	10.173	(1.000)	110953	25.0000	
$	117 Bromofluorobenzene	95	9.200	9.199	(0.904)	96854	20.7831	21
M	118 1,2-Dichloroethene (total)	100				20451	3.74291	4
M	119 Xylene (total)	100				4657	0.58673	0.6

Data File: \\target1_ct\Files\chem\VOA\msl.i\L051895.b\L1911.D
Date : 08-JUL-2005 17:25
Client ID: WC-02
Sample Info: 210034-1
Purge Volume: 5.0
Column phase: RTX-624

Instrument: msl.i
Operator: D. HUMBERT
Column diameter: 0.53



Data File: \\target1_ct\Files\chem\VOA\msl.i\L051895.b\L1911.D

Date : 08-JUL-2005 17:25

Client ID: WC-02

Instrument: msl.i

Sample Info: 210034-1

Purge Volume: 5.0

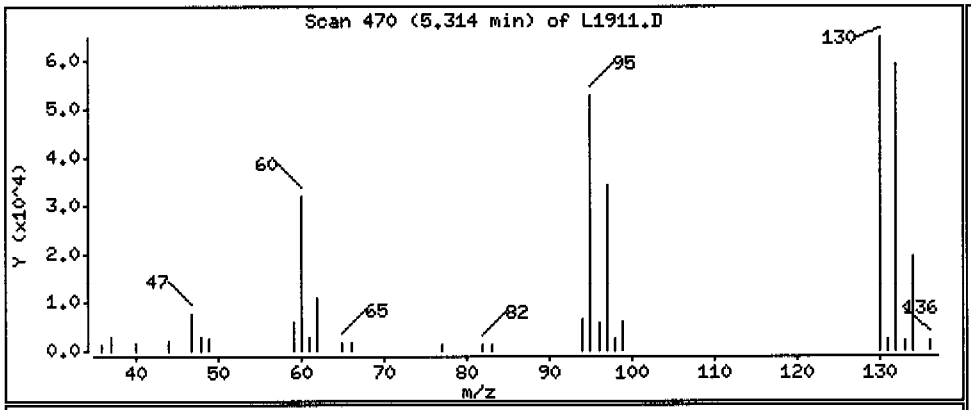
Operator: D. HUMBERT

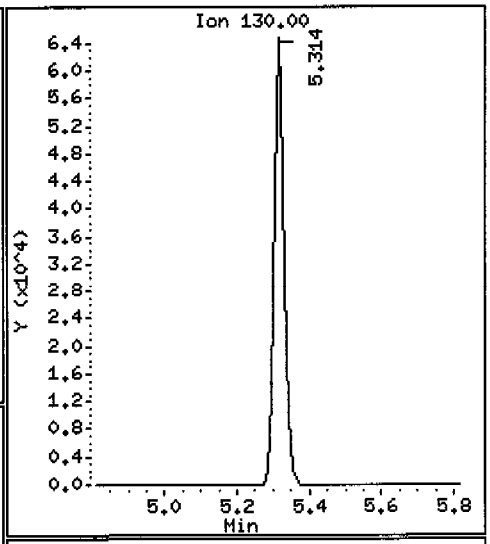
Column phase: RTX-624

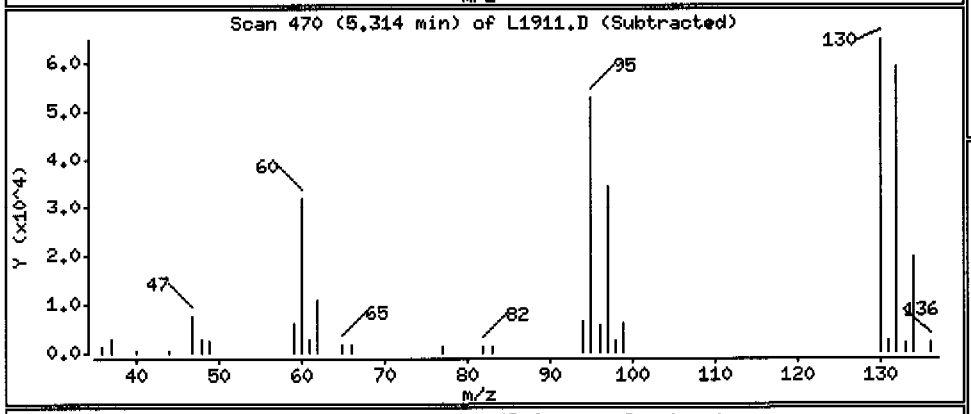
Column diameter: 0.53

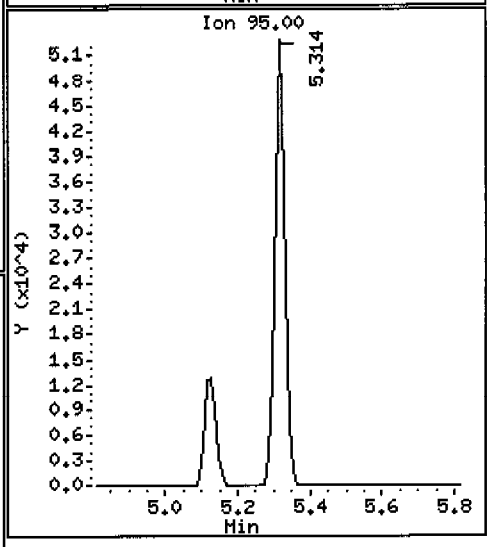
58 Trichloroethene

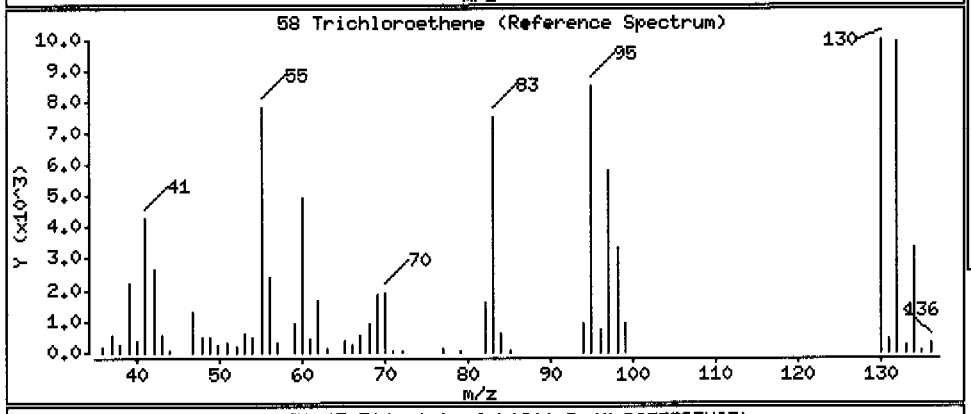
Concentration: 22 ug/L

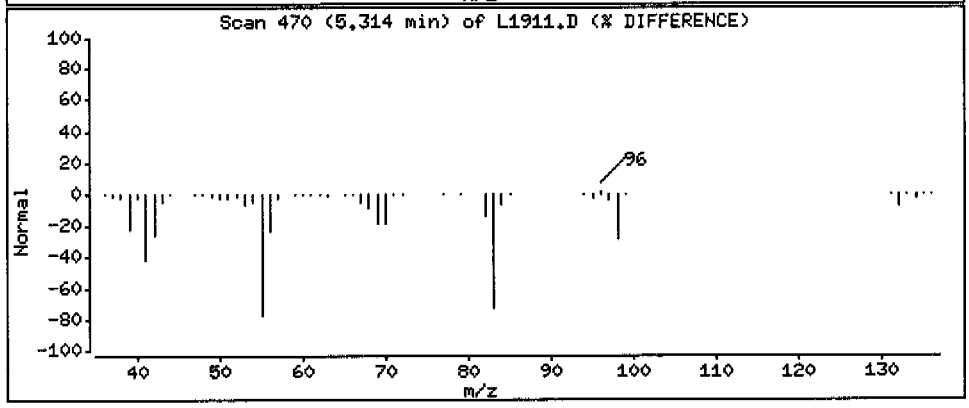












LABORATORY TEST RESULTS

Job Number: 210034 Date:07/19/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

Customer Sample ID: WC-01
Date Sampled.....: 06/28/2005
Time Sampled.....: 10:40
Sample Matrix.....: Water

Laboratory Sample ID: 210034-2
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
8260B	Volatile Organics (5mL Purge)											
	Vinyl chloride, TCLP	0.0034	J		0.00080	0.0050	1.00000	mg/L	51370		07/09/05 1454	pam
	1,1-Dichloroethene, TCLP	ND	U		0.00070	0.0050	1.00000	mg/L	51370		07/09/05 1454	pam
	2-Butanone (MEK), TCLP	0.0045	J		0.0012	0.010	1.00000	mg/L	51370		07/09/05 1454	pam
	Chloroform, TCLP	ND	U		0.00070	0.0050	1.00000	mg/L	51370		07/09/05 1454	pam
	Carbon tetrachloride, TCLP	ND	U		0.0010	0.0050	1.00000	mg/L	51370		07/09/05 1454	pam
	Benzene, TCLP	ND	U		0.00040	0.0050	1.00000	mg/L	51370		07/09/05 1454	pam
	1,2-Dichloroethane, TCLP	ND	U		0.00060	0.0050	1.00000	mg/L	51370		07/09/05 1454	pam
	Trichloroethene, TCLP	ND	U		0.00070	0.0050	1.00000	mg/L	51370		07/09/05 1454	pam
	Tetrachloroethene, TCLP	ND	U		0.00050	0.0050	1.00000	mg/L	51370		07/09/05 1454	pam
	Chlorobenzene, TCLP	ND	U		0.00040	0.0050	1.00000	mg/L	51370		07/09/05 1454	pam

* In Description = Dry Wgt.

STL-INC

Volatile Report SW-846 Method 8260B

Data file : \\target1_ct\Files\chem\VOA\msl.i\L051924.b\L1930.D
Lab Smp Id: 210034-2 Client Smp ID: WC-01
Inj Date : 09-JUL-2005 14:54 MS Autotune Date: 26-APR-2004 14:21
Operator : D. HUMBERT Inst ID: msl.i
Smp Info : 210034-2
Misc Info : :C ;;; TCLP ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msl.i\L051924.b\L8260BFW.m
Meth Date : 09-Jul-2005 15:16 larryd Quant Type: ISTD
Cal Date : 22-JUN-2005 17:45 Cal File: L1545.D
Als bottle: 98
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	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

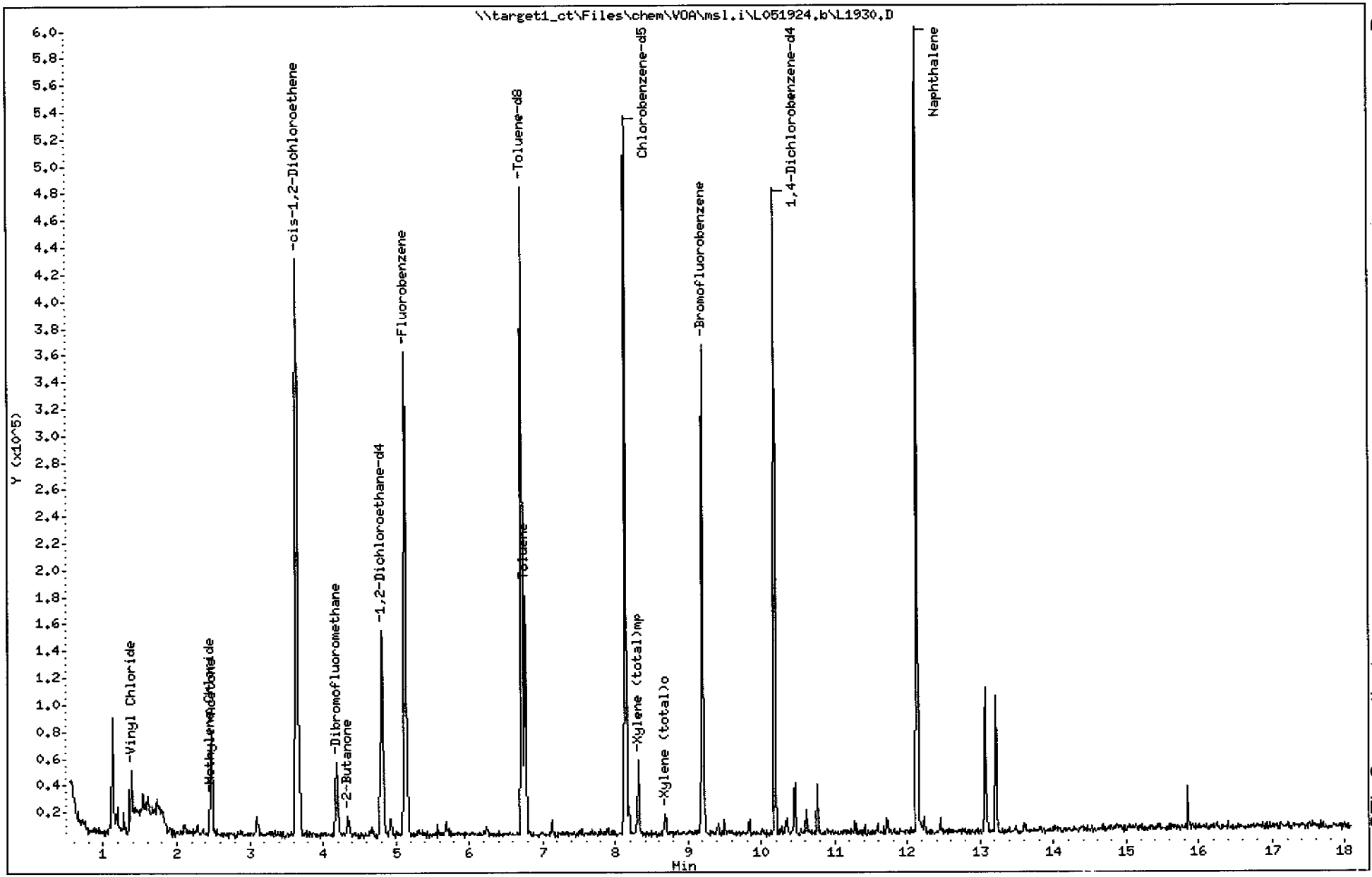
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
*	1 Fluorobenzene	96	5.127	5.126	(1.000)	310534	25.0000	
	4 Vinyl Chloride	62	1.388	1.378	(0.271)	24438	3.43286	3
	17 Methylene Chloride	84	2.461	2.450	(0.480)	3687	0.51805	0.5
	18 Acetone	43	2.480	2.480	(0.484)	90954	29.2782	29
	31 cis-1,2-Dichloroethene	96	3.651	3.641	(0.712)	194490	34.0109	34
$	38 Dibromofluoromethane	111	4.183	4.182	(0.816)	45385	11.1618	11(R)
	42 2-Butanone	43	4.340	4.329	(0.846)	25340	4.49314	4
$	52 1,2-Dichloroethane-d4	65	4.802	4.802	(0.937)	130975	22.0515	22
*	70 Chlorobenzene-d5	117	8.138	8.137	(1.000)	262066	25.0000	
	71 Toluene	91	6.770	6.769	(0.832)	112256	5.00461	5
$	72 Toluene-d8	98	6.721	6.720	(0.826)	272437	20.7745	21
	86 Xylene (total)mp	106	8.315	8.314	(1.022)	12131	1.42838	1
	87 Xylene (total)o	106	8.689	8.688	(1.068)	4144	0.50681	0.5
*	90 1,4-Dichlorobenzene-d4	152	10.184	10.184	(1.000)	116515	25.0000	
	115 Naphthalene	128	12.142	12.142	(1.192)	446104	31.1520	31
$	117 Bromofluorobenzene	95	9.210	9.210	(0.904)	107922	22.0527	22
M	118 1,2-Dichloroethene (total)	100				194490	34.0109	34
M	119 Xylene (total)	100				16275	1.93519	2

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\target1_ct\Files\chem\VOA\msl.i\L051924.b\L1930.D
Date : 09-JUL-2005 14:54
Client ID: WC-01
Sample Info: 210034-2
Purge Volume: 5.0
Column phase: RTX-624

Instrument: msl.i
Operator: D. HUMBERT
Column diameter: 0.53



STL-Connecticut

Data File: \\target1_ct\Files\chem\VOA\ms1.i\L051924.b\L1930.D

Date : 09-JUL-2005 14:54

Client ID: WC-01

Instrument: ms1.i

Sample Info: 210034-2

Purge Volume: 5.0

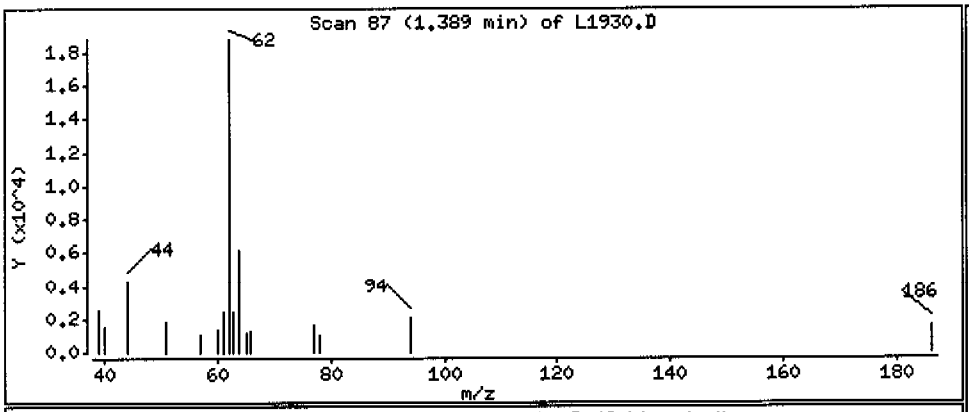
Operator: D. HUMBERT

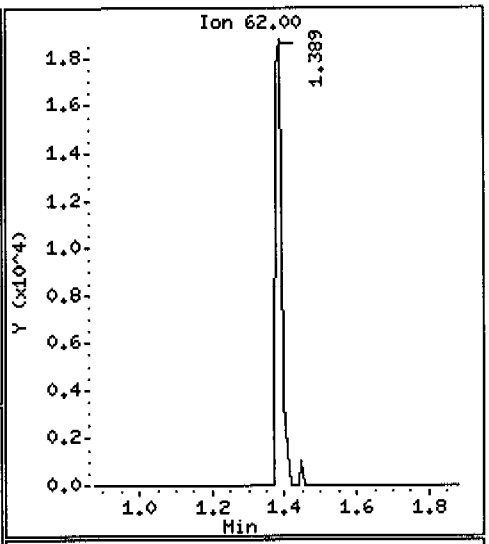
Column phase: RTX-624

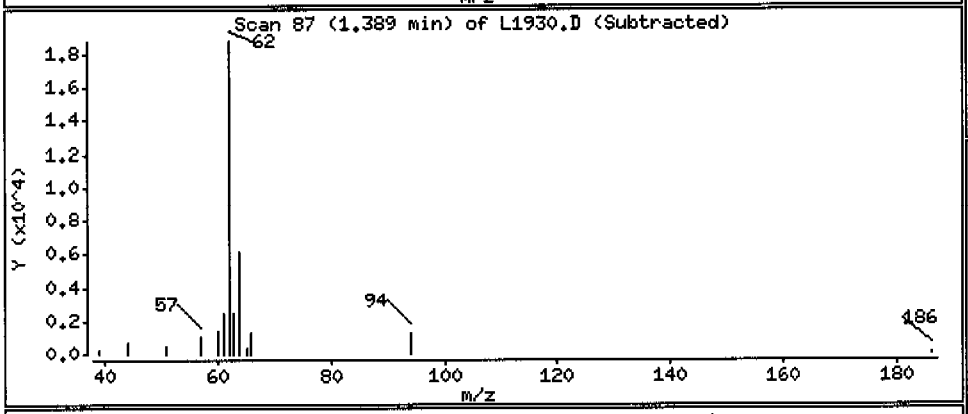
Column diameter: 0.53

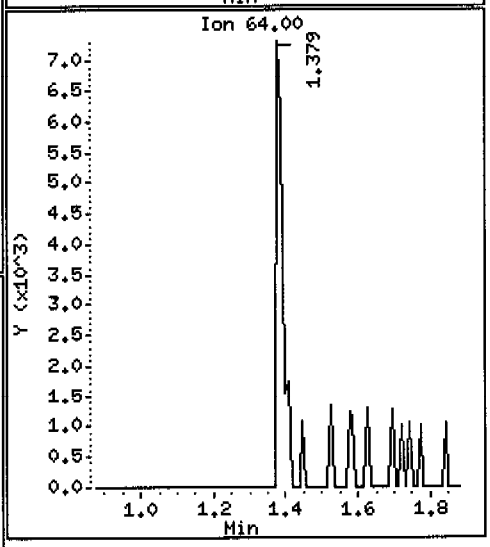
4 Vinyl Chloride

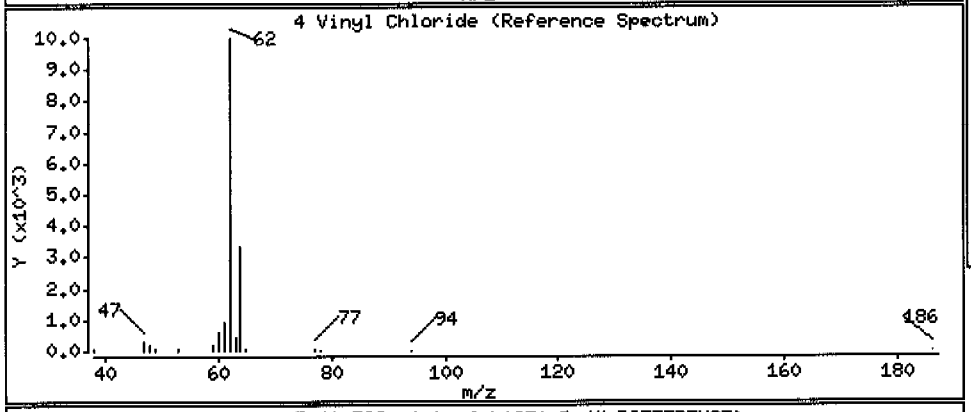
Concentration: 3 ug/L

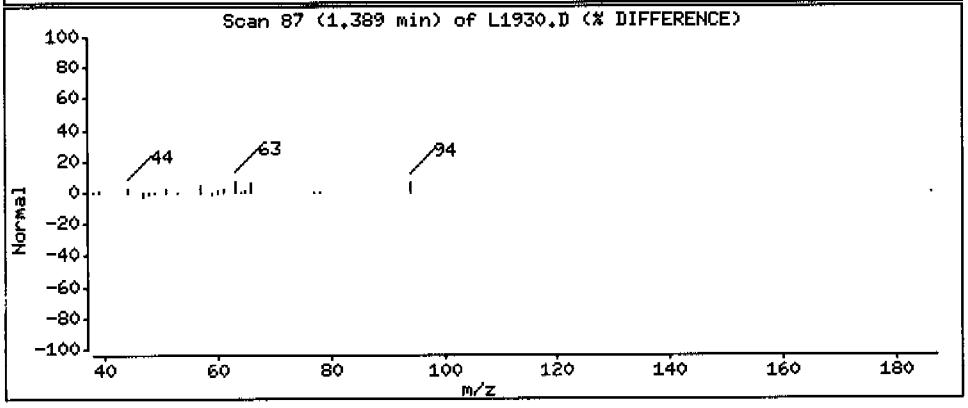












Data File: \\target1_ct\Files\chem\VOA\msl.i\L051924.b\L1930.D

Date : 09-JUL-2005 14:54

Client ID: WC-01

Instrument: msl.i

Sample Info: 210034-2

Purge Volume: 5.0

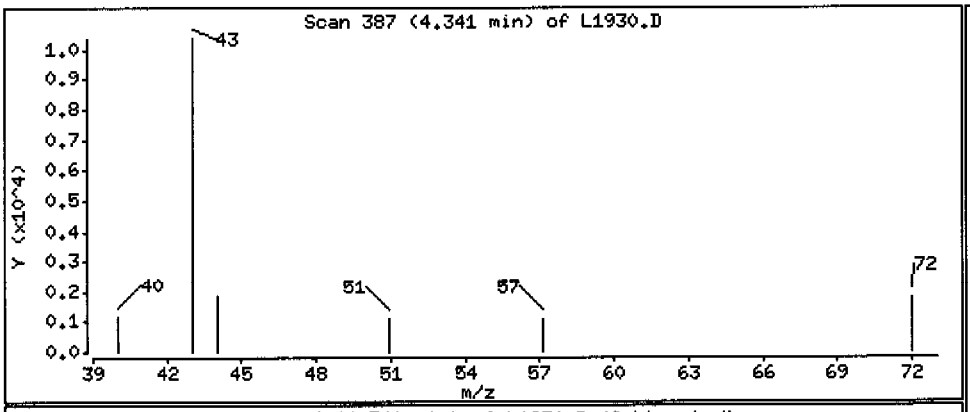
Operator: D. HUMBERT

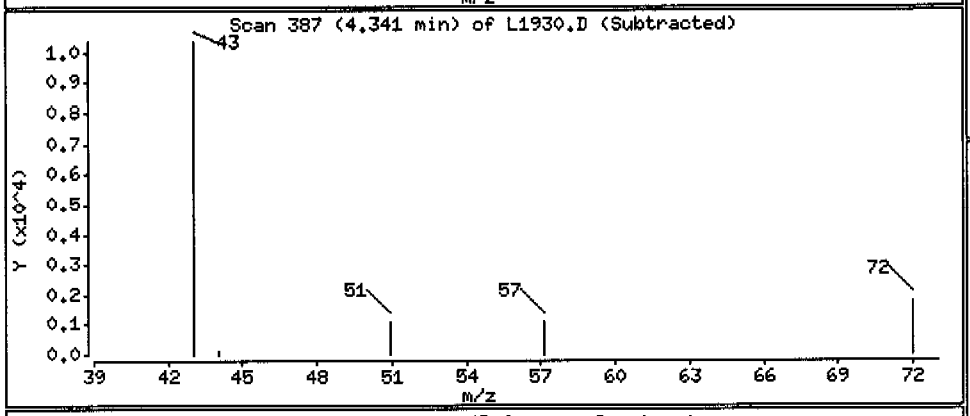
Column phase: RTX-624

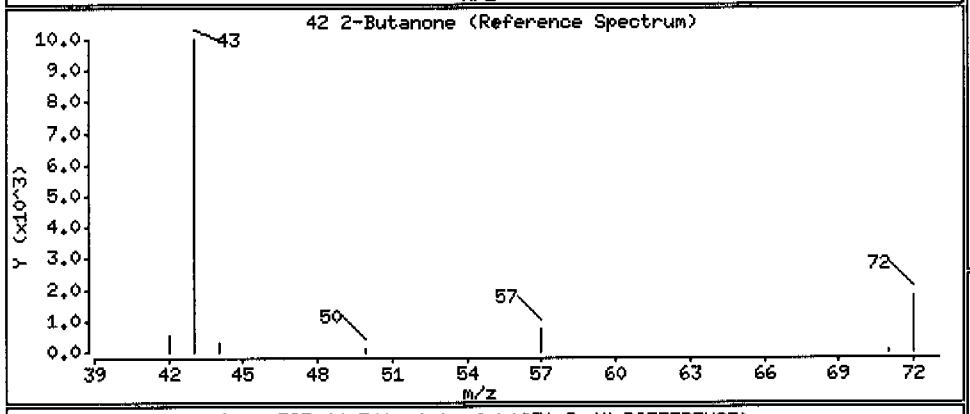
Column diameter: 0.53

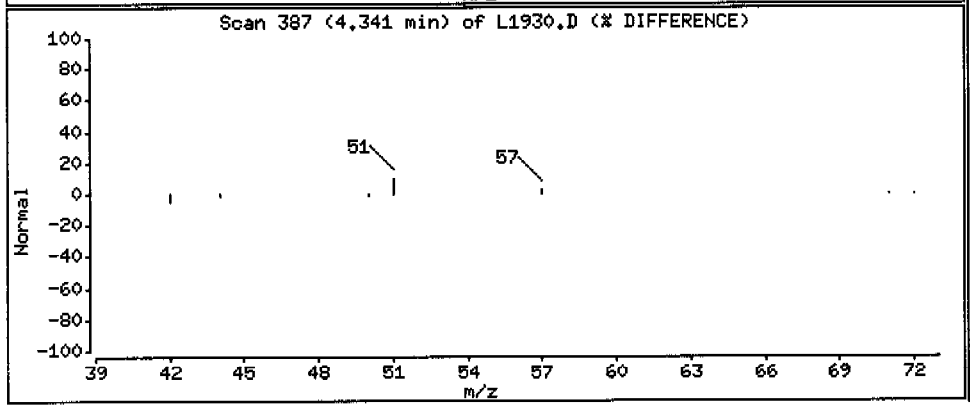
42 2-Butanone

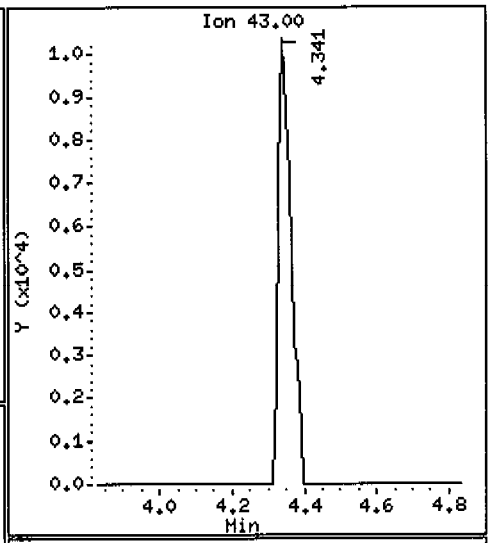
Concentration: 4 ug/L

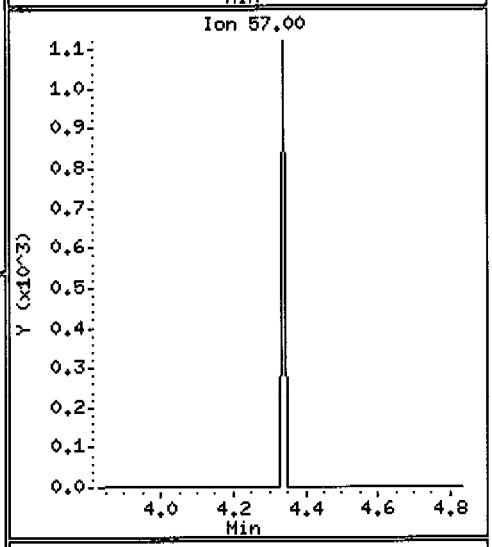


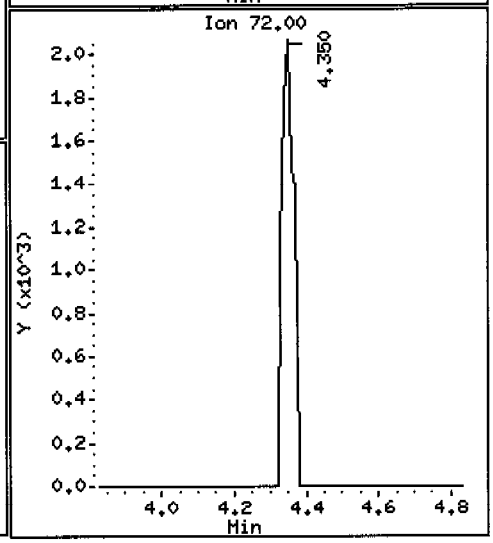












VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSL Calibration Date(s): 06/22/05 06/22/05

Heated Purge: (Y/N) N Calibration Time(s): 1608 1745

GC Column: RTX-624 ID: 0.53 (mm)

LAB FILE ID: RRF5 =L1541 RRF20 =L1542
RRF50 =L1543 RRF100=L1544 RRF200=L1545

COMPOUND		RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane		0.302	0.292	0.324	0.334	0.318	0.314	5.4
Chloromethane	*	0.600	0.558	0.644	0.656	0.610	0.614	6.3*
Vinyl Chloride		0.561	0.512	0.608	0.610	0.575	0.573	7.0
Bromomethane		0.275	0.279	0.292	0.262	0.231	0.268	8.7
Chloroethane		0.396	0.334	0.388	0.359	0.320	0.359	9.2
Trichlorofluoromethane		0.504	0.460	0.589	0.582	0.539	0.535	10.1
Ethyl Ether		0.355	0.345	0.402	0.392	0.371	0.373	6.4
Freon 141		0.642	0.632	0.734	0.747	0.687	0.688	7.5
Freon 123a		0.129	0.136	0.153	0.133	0.123	0.135	8.4
Trichlorotrifluoroethane		0.335	0.319	0.368	0.370	0.347	0.348	6.3
Acrolein	*	0.071	0.064	0.078	0.076	0.074	0.073	7.2*
1,1-Dichloroethene		0.296	0.327	0.381	0.385	0.349	0.348	10.7
Acetone		0.310	0.228	0.253	0.240	0.219	0.250	14.4
Iodomethane		0.338	0.413	0.634	0.692	0.656	0.547	29.2
Carbon Disulfide		1.536	1.409	1.723	1.739	1.609	1.603	8.5
3-Chloro-1-Propene		0.754	0.798	0.950	0.957	0.868	0.865	10.4
tert-Butyl alcohol	*	0.075	0.070	0.084	0.082	0.080	0.078	7.5*
Methylene Chloride		0.730	0.516	0.571	0.549	0.499	0.573	16.1
Methyl tert-Butyl Ether		1.460	1.360	1.654	1.618	1.536	1.526	7.8
Ethyl Acetate		0.232	0.132	0.171	0.172	0.162	0.174	20.9
trans-1,2-Dichloroethene		0.413	0.378	0.463	0.451	0.429	0.427	7.8
Acrylonitrile		0.389	0.326	0.426	0.422	0.362	0.385	10.9
Isopropyl ether	*	2.067	1.860	2.294	2.272	2.087	2.116	8.4*
1,1-Dichloroethane	*	1.098	0.956	1.146	1.145	1.040	1.077	7.5*
tert-Butyl ethyl ether	*	1.799	1.637	1.938	1.959	1.802	1.827	7.1*
2,2-Dichloropropane		0.889	0.695	0.844	0.792	0.741	0.792	9.8
cis-1,2-Dichloroethene		0.458	0.402	0.492	0.497	0.453	0.460	8.3
2-Butanone		0.707	0.391	0.408	0.393	0.370	0.454	31.3
Methyl Acrylate		0.585	0.543	0.668	0.658	0.612	0.613	8.4
Propionitrile		0.094	0.080	0.104	0.099	0.093	0.094	9.2
Bromochloromethane		0.263	0.257	0.315	0.311	0.283	0.286	9.3
2-Methyl-2-Propenenitrile		0.458	0.426	0.522	0.494	0.467	0.473	7.7
Tetrahydrofuran		0.173	0.169	0.215	0.214	0.200	0.194	11.3
Chloroform		0.827	0.790	0.963	0.969	0.896	0.889	9.0
tert-Butyl formate	*	0.307	0.274	0.360	0.333	0.340	0.323	10.3*
1,1,1-Trichloroethane		0.584	0.522	0.638	0.643	0.602	0.598	8.2
1-Chlorobutane		0.760	0.732	0.866	0.860	0.792	0.802	7.5

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSL Calibration Date(s): 06/22/05 06/22/05

Heated Purge: (Y/N) N Calibration Time(s): 1608 1745

GC Column: RTX-624 ID: 0.53 (mm)

LAB FILE ID: RRF5 =L1541 RRF20 =L1542
RRF50 =L1543 RRF100=L1544 RRF200=L1545

	COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
	Carbon Tetrachloride	0.484	0.536	0.591	0.579	0.547	0.547	7.6	
*	Chloroacetonitrile	0.025	0.023	0.029	0.028	0.027	0.026	9.5*	
	1,1-Dichloropropene	0.754	0.678	0.798	0.795	0.747	0.754	6.4	
	Benzene	2.022	1.786	2.094	2.085	1.935	1.984	6.4	
*	tert-Amyl methyl ether	1.653	1.512	1.833	1.826	1.714	1.708	7.8*	
	1,2-Dichloroethane	0.800	0.692	0.835	0.826	0.779	0.786	7.3	
	2-Chloro-1,3-Butadiene	0.291	0.290	0.347	0.357	0.320	0.321	9.6	
	Vinyl Acetate	1.684	1.572	1.906	1.874	1.748	1.757	7.8	
*	2,4,4-Trimethyl 1-Pentene								*<-
	Trichloroethene	0.495	0.444	0.532	0.531	0.501	0.501	7.1	
*	2,4,4-Trimethyl 2-Pentene								*<-
	1,2-Dichloropropane	0.618	0.558	0.633	0.631	0.589	0.606	5.2	
	Methyl Methacrylate	0.432	0.386	0.485	0.488	0.453	0.449	9.4	
*	1,4-Dioxane	0.004	0.003	0.004	0.004	0.004	0.004	10.2*	
	Dibromomethane	0.290	0.299	0.362	0.349	0.329	0.326	9.6	
	Bromodichloromethane	0.588	0.558	0.678	0.682	0.646	0.630	8.8	
	2-Nitropropane	0.184	0.148	0.198	0.199	0.189	0.184	11.4	
*	2-Chloroethylvinylether	0.324	0.326	0.374	0.378	0.355	0.351	7.3*	
	cis-1,3-Dichloropropene	0.866	0.816	0.960	0.963	0.901	0.901	7.0	
	trans-1,3-Dichloropropene	0.778	0.729	0.900	0.912	0.849	0.834	9.4	
	1,1,2-Trichloroethane	0.350	0.335	0.411	0.405	0.377	0.376	8.8	
	4-Methyl-2-Pentanone	1.022	0.841	1.066	0.997	0.955	0.976	8.8	
	Toluene	2.109	1.861	2.383	2.236	2.110	2.140	9.0	
	Ethyl Methacrylate	1.058	0.943	1.176	1.111	1.067	1.071	8.0	
	Tetrachloroethene	0.376	0.353	0.429	0.401	0.378	0.387	7.4	
	1,3-Dichloropropane	1.228	1.003	1.283	1.203	1.134	1.170	9.2	
	2-Hexanone	0.715	0.587	0.762	0.714	0.695	0.695	9.4	
	Dibromochloromethane	0.624	0.608	0.804	0.771	0.745	0.710	12.5	
	1,2-Dibromoethane	0.629	0.523	0.666	0.616	0.591	0.605	8.8	
	1,1-Dichloro-2-propanone	0.510	0.431	0.570	0.535	0.522	0.514	10.0	
	1-Chlorohexane	0.534	0.544	0.650	0.599	0.603	0.586	8.1	
*	Chlorobenzene	1.426	1.190	1.504	1.412	1.331	1.373	8.7*	
	1,1,1,2-Tetrachloroethane	0.554	0.506	0.661	0.642	0.602	0.593	10.8	
	Ethylbenzene	0.607	0.569	0.683	0.650	0.610	0.624	7.0	
	Xylene (total)mp	0.856	0.697	0.881	0.831	0.785	0.810	9.0	
	Xylene (total)o	0.774	0.678	0.875	0.806	0.768	0.780	9.1	
	Styrene	1.365	1.191	1.507	1.446	1.378	1.377	8.6	

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSL Calibration Date(s): 06/22/05 06/22/05

Heated Purge: (Y/N) N Calibration Time(s): 1608 1745

GC Column: RTX-624 ID: 0.53 (mm)

LAB FILE ID: RRF5 =L1541 RRF20 =L1542
RRF50 =L1543 RRF100=L1544 RRF200=L1545

COMPOUND		RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
Bromoform	*	0.340	0.343	0.462	0.442	0.433	0.404	14.4*	
Isopropylbenzene		3.884	3.549	4.327	3.959	3.956	3.935	7.0	
1,1,2,2-Tetrachloroethane	*	1.693	1.564	1.897	1.699	1.722	1.715	6.9*	
Bromobenzene		1.262	1.154	1.424	1.304	1.310	1.291	7.5	
1,2,3-Trichloropropane		0.399	0.405	0.492	0.442	0.439	0.435	8.5	
trans-1,4-Dichloro-2-Butene		0.426	0.379	0.454	0.416	0.437	0.422	6.7	
n-Propylbenzene		4.401	4.301	5.224	4.721	4.723	4.674	7.7	
2-Chlorotoluene		3.141	2.803	3.377	3.187	3.108	3.123	6.6	
4-Chlorotoluene		3.220	2.962	3.608	3.247	3.255	3.258	7.1	
1,3,5-Trimethylbenzene		3.210	2.849	3.453	3.170	3.088	3.154	6.9	
tert-Butylbenzene		2.600	2.361	2.948	2.654	2.600	2.633	8.0	
1,2,4-Trimethylbenzene		3.005	2.897	3.576	3.289	3.239	3.201	8.3	
sec-Butylbenzene		3.031	2.903	3.484	3.240	3.185	3.169	6.9	
4-Isopropyltoluene		3.001	2.820	3.412	3.168	3.129	3.106	7.0	
1,3-Dichlorobenzene		2.294	2.068	2.418	2.225	2.230	2.247	5.6	
1,4-Dichlorobenzene		2.196	2.095	2.572	2.363	2.323	2.310	7.8	
1,2-Dichlorobenzene		2.238	1.972	2.356	2.234	2.205	2.201	6.4	
Benzyl Chloride		0.458	0.467	0.623	0.581	0.578	0.541	13.7	
Pentachloroethane	*								*<-
n-Butylbenzene		4.614	4.344	5.496	5.126	5.094	4.935	9.2	
Hexachloroethane	*								*<-
1,2-Dibromo-3-chloropropane		0.272	0.269	0.361	0.334	0.338	0.315	13.3	
Nitrobenzene		0.051	0.049	0.085	0.098	0.118	0.080	37.1	
1,2,4-Trichlorobenzene		0.840	0.796	1.053	0.976	0.997	0.932	11.7	
Hexachlorobutadiene		0.646	0.474	0.578	0.544	0.547	0.558	11.2	
Naphthalene		2.719	2.536	3.412	3.291	3.405	3.073	13.5	
1,2,3-Trichlorobenzene		0.750	0.690	0.958	0.892	0.893	0.837	13.4	
Xylene (total)		0.829	0.691	0.879	0.823	0.779	0.800	8.8	
1,2-Dichloroethene (total)		0.435	0.390	0.477	0.474	0.441	0.443	8.0	
Methyl Cyclohexane		0.419	0.408	0.490	0.498	0.467	0.456	9.0	
Cyclohexane		0.520	0.495	0.602	0.603	0.551	0.554	8.7	
Methyl Acetate		1.369	1.110	1.351	1.332	1.256	1.284	8.3	
Heptane	*								*<-
Acetonitrile	*	0.103	0.094	0.109	0.108	0.102	0.103	5.6*	
Isobutyl alcohol	*	0.019	0.016	0.019	0.020	0.018	0.018	8.4*	
n-Butyl Acetate									<-
Dichlorofluoromethane		0.938	0.882	1.066	1.055	0.964	0.981	8.0	

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSL Calibration Date(s): 06/22/05 06/22/05

Heated Purge: (Y/N) N Calibration Time(s): 1608 1745

GC Column: RTX-624 ID: 0.53 (mm)

LAB FILE ID: RRF5 =L1541 RRF20 =L1542
RRF50 =L1543 RRF100=L1544 RRF200=L1545

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
1-Bromopropane	0.903	0.780	0.921	0.922	0.824	0.870	7.4
Dibromofluoromethane	0.310	0.320	0.351	0.337	0.318	0.327	5.1
1,2-Dichloroethane-d4	0.479	0.474	0.507	0.479	0.452	0.478	4.1
Toluene-d8	1.208	1.196	1.405	1.251	1.196	1.251	7.1
Bromofluorobenzene	1.021	1.073	1.145	1.011	1.000	1.050	5.7

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\FILES\chem\VOA\msl.i\L051538.b\L1541.D
Lab Smp Id: VSTD005LJ Client Smp ID: VSTD005LJ
Inj Date : 22-JUN-2005 16:08 MS Autotune Date: 26-APR-2004 14:21
Operator : D. HUMBERT Inst ID: msl.i
Smp Info : VSTD005LJ
Misc Info : : ;;; VSTD005LJ ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msl.i\L051538.b\L8260BFW.m
Meth Date : 22-Jun-2005 19:04 michael Quant Type: ISTD
Cal Date : 22-JUN-2005 16:08 Cal File: L1541.D
Als bottle: 92 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	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

JH 6/22/05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 1	Fluorobenzene	96	5.119	5.121	(1.000)	320329	25.0000	
2	Dichlorodifluoromethane	85	1.213	1.215	(0.237)	19328	5.00000	5
3	Chloromethane	50	1.341	1.333	(0.262)	38450	5.00000	5
4	Vinyl Chloride	62	1.380	1.382	(0.270)	35929	5.00000	5
5	Bromomethane	94	1.587	1.569	(0.310)	17596	5.00000	5
6	Chloroethane	64	1.656	1.648	(0.323)	25402	5.00000	5
7	Trichlorofluoromethane	101	1.734	1.736	(0.339)	32289	5.00000	5
8	Dichlorofluoromethane	67	1.754	1.756	(0.343)	60132	5.00000	5
9	Ethyl Ether	45	1.921	1.913	(0.375)	22734	5.00000	5
10	Freon 141	81	1.980	1.982	(0.387)	41161	5.00000	5
11	Freon 123a	67	2.059	2.051	(0.402)	8248	5.00000	5 (M)
12	Trichlorotrifluoroethane	101	2.079	2.071	(0.406)	21444	5.00000	5
13	1,1-Dichloroethene	96	2.059	2.061	(0.402)	18987	5.00000	5
14	Carbon Disulfide	76	2.108	2.100	(0.412)	98409	5.00000	5
15	Iodomethane	142	2.167	2.169	(0.423)	21665	5.00000	5
16	3-Chloro-1-Propene	41	2.374	2.376	(0.464)	48310	5.00000	5
17	Methylene Chloride	84	2.453	2.454	(0.479)	46802	5.00000	5
18	Acetone	43	2.482	2.474	(0.485)	19882	5.00000	5
19	trans-1,2-Dichloroethene	96	2.580	2.582	(0.504)	26464	5.00000	5
20	Methyl tert-Butyl Ether	73	2.659	2.651	(0.520)	93574	5.00000	5
21	Acrolein	56	2.275	2.268	(0.445)	22656	25.0000	25
22	tert-Butyl alcohol	59	2.698	2.691	(0.527)	23909	25.0000	25

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	
	23 Methyl Acetate	43	2.571	2.563	(0.502)	87699	5.00000	5	
	24 Acetonitrile	41	2.836	2.838	(0.554)	66289	50.0000	50	
	25 Isopropyl ether	45	2.974	2.956	(0.581)	132427	5.00000	5	
	26 tert-Butyl ethyl ether	59	3.338	3.310	(0.652)	115230	5.00000	5	
	27 Acrylonitrile	53	3.072	3.074	(0.600)	49823	10.0000	10	
	28 2-Chloro-1,3-Butadiene	88	3.082	3.074	(0.602)	18652	5.00000	5	
	29 1,1-Dichloroethane	63	3.092	3.094	(0.604)	70313	5.00000	5	
	30 Vinyl Acetate	43	3.318	3.310	(0.648)	107923	5.00000	5	
	31 cis-1,2-Dichloroethene	96	3.643	3.635	(0.712)	29314	5.00000	5	
	32 2,2-Dichloropropane	77	3.761	3.763	(0.735)	56959	5.00000	5	
	33 Bromochloromethane	128	3.859	3.871	(0.754)	16846	5.00000	5	
	34 1-Bromopropane	43	3.859	3.861	(0.754)	57870	5.00000	5	
	35 Chloroform	83	3.958	3.950	(0.773)	52992	5.00000	5	
	36 Ethyl Acetate	43	4.125	4.098	(0.806)	29794	10.0000	10 (M)	
	37 Methyl Acrylate	55	4.125	4.107	(0.806)	37454	5.00000	5	
$	38 Dibromofluoromethane	111	4.184	4.176	(0.817)	19847	5.00000	5	
	39 Tetrahydrofuran	42	4.194	4.157	(0.819)	22195	10.0000	10	
	40 1,1,1-Trichloroethane	97	4.224	4.225	(0.825)	37438	5.00000	5	
	41 Carbon Tetrachloride	117	4.155	4.157	(0.812)	31021	5.00000	5	
	42 2-Butanone	43	4.332	4.314	(0.846)	45288	5.00000	5	
	43 1,1-Dichloropropene	75	4.371	4.373	(0.854)	48316	5.00000	5	
	44 Cyclohexane	84	3.899	3.901	(0.762)	33343	5.00000	5	
	45 tert-Amyl methyl ether	73	4.814	4.796	(0.940)	105897	5.00000	5	
	46 tert-Butyl formate	57	4.499	4.481	(0.879)	19652	5.00000	5 (M)	
	47 1-Chlorobutane	56	3.899	3.901	(0.762)	48695	5.00000	5	
	48 Propionitrile	54	4.647	4.639	(0.908)	60405	50.0000	50	
	49 Isobutyl alcohol	42	4.912	4.895	(0.960)	12212	50.0000	50	
	50 Benzene	78	4.656	4.658	(0.910)	129566	5.00000	5	
	51 2-Methyl-2-Propenenitrile	41	4.696	4.678	(0.917)	29328	5.00000	5	
$	52 1,2-Dichloroethane-d4	65	4.794	4.796	(0.937)	30681	5.00000	5	
	53 1,2-Dichloroethane	62	4.883	4.875	(0.954)	51271	5.00000	5	
	57 Methyl Cyclohexane	83	5.306	5.308	(1.037)	26850	5.00000	5	
	58 Trichloroethene	130	5.316	5.318	(1.038)	31699	5.00000	5	
	59 Dibromomethane	93	5.739	5.741	(1.121)	18556	5.00000	5	
	60 1,2-Dichloropropane	63	5.847	5.839	(1.142)	39579	5.00000	5 (T)	
	61 Bromodichloromethane	83	5.916	5.918	(1.156)	37661	5.00000	5	
	62 Methyl Methacrylate	69	6.093	6.085	(1.190)	55290	10.0000	10	
	63 1,4-Dioxane	58	6.132	6.124	(1.198)	11910	250.000	250	
	64 2-Chloroethylvinylether	63	6.486	6.488	(1.267)	20733	5.00000	5	
	65 cis-1,3-Dichloropropene	75	6.536	6.538	(1.277)	55508	5.00000	5	
	66 2-Nitropropane	41	6.949	6.951	(1.357)	23617	10.0000	10 (T)	
	67 Chloroacetonitrile	48	6.870	6.872	(1.342)	31725	100.000	100	
	68 trans-1,3-Dichloropropene	75	7.156	7.148	(1.398)	49856	5.00000	5	
	69 1,1,2-Trichloroethane	97	7.303	7.295	(1.427)	22435	5.00000	5	
*	70 Chlorobenzene-d5	117	8.130	8.132	(1.000)	238098	25.0000		
	71 Toluene	91	6.762	6.764	(0.832)	100428	5.00000	5	
$	72 Toluene-d8	98	6.723	6.715	(0.827)	57501	5.00000	5	
	73 1,1-Dichloro-2-propanone	43	6.978	6.980	(0.858)	121357	25.0000	25	
	74 4-Methyl-2-Pentanone	43	7.126	7.108	(0.877)	48686	5.00000	5	
	75 Tetrachloroethene	164	7.136	7.138	(0.878)	17930	5.00000	5	
	76 Ethyl Methacrylate	69	7.323	7.315	(0.901)	50403	5.00000	5	
	77 Dibromochloromethane	129	7.470	7.463	(0.919)	29724	5.00000	5 (M)	
	78 1,3-Dichloropropane	76	7.539	7.541	(0.927)	58486	5.00000	5	
	79 1,2-Dibromoethane	107	7.667	7.669	(0.943)	29953	5.00000	5	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
81	2-Hexanone	43	7.884	7.876	(0.970)	34059	5.00000	5(T)
82	1-Chlorohexane	91	8.139	8.132	(1.001)	25429	5.00000	5
83	Chlorobenzene	112	8.149	8.141	(1.002)	67898	5.00000	5
84	1,1,1,2-Tetrachloroethane	131	8.208	8.210	(1.010)	26379	5.00000	5(M)
85	Ethylbenzene	106	8.179	8.181	(1.006)	28922	5.00000	5
86	Xylene (total)mp	106	8.307	8.309	(1.022)	81562	10.0000	10
87	Xylene (total)o	106	8.681	8.683	(1.068)	36839	5.00000	5
88	Styrene	104	8.730	8.732	(1.074)	65016	5.00000	5
89	Bromoform	173	8.749	8.751	(1.076)	16218	5.00000	5
* 90	1,4-Dichlorobenzene-d4	152	10.176	10.178	(1.000)	113030	25.0000	
91	Isopropylbenzene	105	8.966	8.958	(0.881)	87791	5.00000	5
92	1,1,2,2-Tetrachloroethane	83	9.379	9.381	(0.922)	38274	5.00000	5
93	Bromobenzene	156	9.291	9.293	(0.913)	28534	5.00000	5
94	1,2,3-Trichloropropane	110	9.487	9.489	(0.932)	9025	5.00000	5
95	trans-1,4-Dichloro-2-Butene	53	9.527	9.529	(0.936)	19275	10.0000	10
96	n-Propylbenzene	91	9.320	9.322	(0.916)	99482	5.00000	5
97	2-Chlorotoluene	91	9.458	9.450	(0.929)	71001	5.00000	5
98	4-Chlorotoluene	91	9.596	9.598	(0.943)	72799	5.00000	5
99	1,3,5-Trimethylbenzene	105	9.497	9.499	(0.933)	72567	5.00000	5
100	tert-Butylbenzene	119	9.773	9.765	(0.960)	58768	5.00000	5
101	1,2,4-Trimethylbenzene	105	9.832	9.834	(0.966)	67933	5.00000	5
102	sec-Butylbenzene	105	9.920	9.922	(0.975)	68521	5.00000	5
103	4-Isopropyltoluene	119	10.048	10.050	(0.987)	67839	5.00000	5
104	1,3-Dichlorobenzene	146	10.117	10.109	(0.994)	51859	5.00000	5
105	1,4-Dichlorobenzene	146	10.196	10.188	(1.002)	49646	5.00000	5
106	1,2-Dichlorobenzene	146	10.560	10.552	(1.038)	50593	5.00000	5
107	Benzyl Chloride	126	10.402	10.404	(1.022)	10350	5.00000	5
108	n-Butylbenzene	91	10.412	10.414	(1.023)	104306	5.00000	5
111	1,2-Dibromo-3-chloropropane	75	11.249	11.251	(1.105)	6141	5.00000	5
112	Nitrobenzene	77	11.741	11.742	(1.154)	11549	50.0000	50
113	1,2,4-Trichlorobenzene	180	11.859	11.861	(1.165)	18999	5.00000	5
114	Hexachlorobutadiene	225	11.839	11.841	(1.163)	14595	5.00000	5
115	Naphthalene	128	12.134	12.136	(1.192)	61464	5.00000	5
116	1,2,3-Trichlorobenzene	180	12.311	12.303	(1.210)	16946	5.00000	5
$ 117	Bromofluorobenzene	95	9.202	9.204	(0.904)	23082	5.00000	5
M 118	1,2-Dichloroethene (total)	100				55778	10.0000	10
M 119	Xylene (total)	100				118401	15.0000	15

QC Flag Legend

T - Target compound detected outside RT window.
M - Compound response manually integrated.

Data File: \\TARGET1_CT\FILES\chem\VOA\msl.i\L051538.b\L1541.D
Date : 22-JUN-2005 16:08
Client ID: VSTD005LJ
Sample Info: VSTD005LJ
Purge Volume: 5.0
Column phase: RTX-624

Instrument: msl.i
Operator: D. HUMBERT
Column diameter: 0.53

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\FILES\chem\VOA\msl.i\L051538.b\L1542.D
Lab Smp Id: VSTD020LK Client Smp ID: VSTD020LK
Inj Date : 22-JUN-2005 16:33 MS Autotune Date: 26-APR-2004 14:21
Operator : D. HUMBERT Inst ID: msl.i
Smp Info : VSTD020LK
Misc Info : : ;;; VSTD020LK ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msl.i\L051538.b\L8260BFW.m
Meth Date : 22-Jun-2005 19:04 michael Quant Type: ISTD
Cal Date : 22-JUN-2005 16:33 Cal File: L1542.D
Als bottle: 93 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

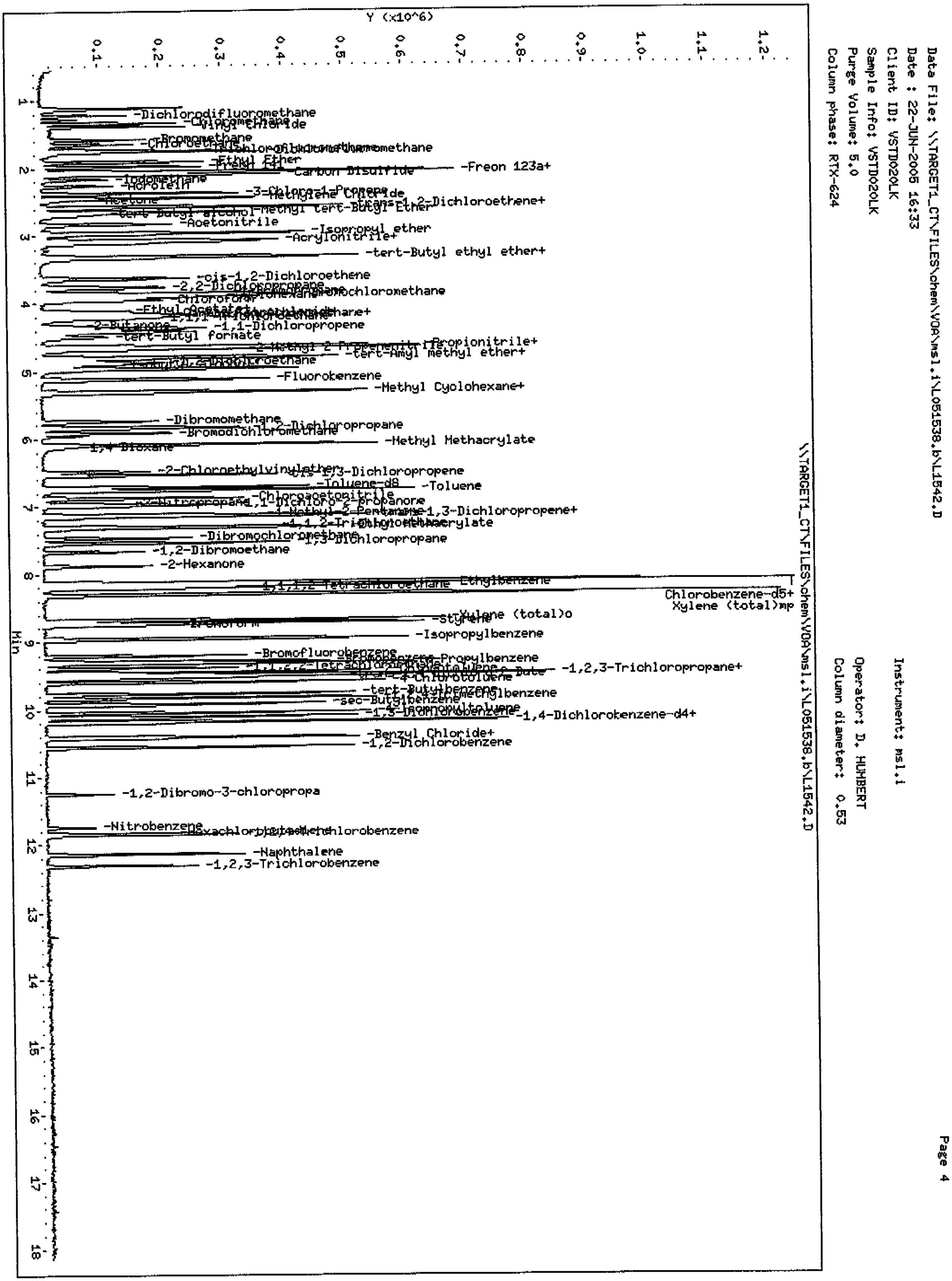
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

6/22/05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 1 Fluorobenzene	96	5.123	5.121	(1.000)	326825	25.0000	
2 Dichlorodifluoromethane	85	1.217	1.215	(0.238)	76257	20.0000	20
3 Chloromethane	50	1.335	1.333	(0.261)	145825	20.0000	19
4 Vinyl Chloride	62	1.384	1.382	(0.270)	133809	20.0000	19
5 Bromomethane	94	1.581	1.569	(0.309)	72910	20.0000	20
6 Chloroethane	64	1.649	1.648	(0.322)	87415	20.0000	18
7 Trichlorofluoromethane	101	1.738	1.736	(0.339)	120326	20.0000	19
8 Dichlorofluoromethane	67	1.758	1.756	(0.343)	230561	20.0000	19
9 Ethyl Ether	45	1.915	1.913	(0.374)	90179	20.0000	20
10 Freon 141	81	1.984	1.982	(0.387)	165127	20.0000	20
11 Freon 123a	67	2.053	2.051	(0.401)	35526	20.0000	20
12 Trichlorotrifluoroethane	101	2.073	2.071	(0.405)	83331	20.0000	20
13 1,1-Dichloroethene	96	2.063	2.061	(0.403)	85410	20.0000	21
14 Carbon Disulfide	76	2.102	2.100	(0.410)	368509	20.0000	19
15 Iodomethane	142	2.171	2.169	(0.424)	107995	20.0000	22
16 3-Chloro-1-Propene	41	2.378	2.376	(0.464)	208564	20.0000	20
17 Methylene Chloride	84	2.456	2.454	(0.480)	134904	20.0000	16
18 Acetone	43	2.476	2.474	(0.483)	59612	20.0000	17
19 trans-1,2-Dichloroethene	96	2.584	2.582	(0.505)	98912	20.0000	19
20 Methyl tert-Butyl Ether	73	2.663	2.651	(0.520)	355574	20.0000	19
21 Acrolein	56	2.269	2.268	(0.443)	84346	100.000	95
22 tert-Butyl alcohol	59	2.692	2.691	(0.526)	91828	100.000	97

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	23 Methyl Acetate	43	2.564	2.563	(0.501)	290179	20.0000	18
	24 Acetonitrile	41	2.840	2.838	(0.554)	246651	200.000	190
	25 Isopropyl ether	45	2.968	2.956	(0.579)	486280	20.0000	19
	26 tert-Butyl ethyl ether	59	3.322	3.310	(0.649)	428033	20.0000	19
	27 Acrylonitrile	53	3.076	3.074	(0.601)	170473	40.0000	36
	28 2-Chloro-1,3-Butadiene	88	3.086	3.074	(0.602)	75878	20.0000	20
	29 1,1-Dichloroethane	63	3.096	3.094	(0.604)	249881	20.0000	19
	30 Vinyl Acetate	43	3.312	3.310	(0.647)	411040	20.0000	19
	31 cis-1,2-Dichloroethene	96	3.637	3.635	(0.710)	105076	20.0000	19
	32 2,2-Dichloropropane	77	3.765	3.763	(0.735)	181842	20.0000	18
	33 Bromochloromethane	128	3.873	3.871	(0.756)	67157	20.0000	20
	34 1-Bromopropane	43	3.853	3.861	(0.752)	204021	20.0000	18
	35 Chloroform	83	3.952	3.950	(0.771)	206556	20.0000	20
	36 Ethyl Acetate	43	4.109	4.098	(0.802)	69191	40.0000	29
	37 Methyl Acrylate	55	4.119	4.107	(0.804)	141926	20.0000	19
$	38 Dibromofluoromethane	111	4.178	4.176	(0.816)	83720	20.0000	20
	39 Tetrahydrofuran	42	4.188	4.157	(0.818)	88545	40.0000	40
	40 1,1,1-Trichloroethane	97	4.227	4.225	(0.825)	136427	20.0000	19
	41 Carbon Tetrachloride	117	4.158	4.157	(0.812)	140280	20.0000	21
	42 2-Butanone	43	4.326	4.314	(0.844)	102219	20.0000	14
	43 1,1-Dichloropropene	75	4.375	4.373	(0.854)	177390	20.0000	19
	44 Cyclohexane	84	3.903	3.901	(0.762)	129396	20.0000	19
	45 tert-Amyl methyl ether	73	4.808	4.796	(0.939)	395339	20.0000	19
	46 tert-Butyl formate	57	4.503	4.481	(0.879)	71720	20.0000	19
	47 1-Chlorobutane	56	3.903	3.901	(0.762)	191295	20.0000	20
	48 Propionitrile	54	4.640	4.639	(0.906)	210443	200.000	180
	49 Isobutyl alcohol	42	4.906	4.895	(0.958)	41097	200.000	180
	50 Benzene	78	4.660	4.658	(0.910)	467109	20.0000	19
	51 2-Methyl-2-Propenenitrile	41	4.680	4.678	(0.914)	111426	20.0000	19
$	52 1,2-Dichloroethane-d4	65	4.798	4.796	(0.937)	124004	20.0000	20
	53 1,2-Dichloroethane	62	4.877	4.875	(0.952)	180937	20.0000	18
	57 Methyl Cyclohexane	83	5.310	5.308	(1.036)	106610	20.0000	20
	58 Trichloroethene	130	5.319	5.318	(1.038)	116221	20.0000	19
	59 Dibromomethane	93	5.742	5.741	(1.121)	78115	20.0000	20
	60 1,2-Dichloropropane	63	5.841	5.839	(1.140)	146036	20.0000	19
	61 Bromodichloromethane	83	5.910	5.918	(1.154)	145787	20.0000	19
	62 Methyl Methacrylate	69	6.087	6.085	(1.188)	202073	40.0000	38
	63 1,4-Dioxane	58	6.126	6.124	(1.196)	41424	1000.00	920
	64 2-Chloroethylvinylether	63	6.490	6.488	(1.267)	85304	20.0000	20
	65 cis-1,3-Dichloropropene	75	6.539	6.538	(1.277)	213249	20.0000	19
	66 2-Nitropropane	41	6.953	6.951	(1.357)	77372	40.0000	36
	67 Chloroacetonitrile	48	6.874	6.872	(1.342)	121314	400.000	390
	68 trans-1,3-Dichloropropene	75	7.149	7.148	(1.396)	190713	20.0000	19
	69 1,1,2-Trichloroethane	97	7.297	7.295	(1.424)	87668	20.0000	20
*	70 Chlorobenzene-d5	117	8.133	8.132	(1.000)	255141	25.0000	
	71 Toluene	91	6.766	6.764	(0.832)	379861	20.0000	19
$	72 Toluene-d8	98	6.717	6.715	(0.826)	244019	20.0000	20
	73 1,1-Dichloro-2-propanone	43	6.982	6.980	(0.858)	439872	100.000	92
	74 4-Methyl-2-Pentanone	43	7.120	7.108	(0.875)	171647	20.0000	18
	75 Tetrachloroethene	164	7.140	7.138	(0.878)	72051	20.0000	19
	76 Ethyl Methacrylate	69	7.317	7.315	(0.900)	192400	20.0000	19
	77 Dibromochloromethane	129	7.464	7.463	(0.918)	124134	20.0000	20
	78 1,3-Dichloropropane	76	7.543	7.541	(0.927)	204697	20.0000	18
	79 1,2-Dibromoethane	107	7.671	7.669	(0.943)	106789	20.0000	18

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
81	2-Hexanone	43	7.877	7.876	(0.969)	119798	20.0000	18
82	1-Chlorohexane	91	8.133	8.132	(1.000)	110956	20.0000	20
83	Chlorobenzene	112	8.143	8.141	(1.001)	242810	20.0000	18
84	1,1,1,2-Tetrachloroethane	131	8.212	8.210	(1.010)	103297	20.0000	19
85	Ethylbenzene	106	8.173	8.181	(1.005)	116110	20.0000	19
86	Xylene (total)mp	106	8.310	8.309	(1.022)	284412	40.0000	36
87	Xylene (total)o	106	8.684	8.683	(1.068)	138485	20.0000	19
88	Styrene	104	8.733	8.732	(1.074)	243051	20.0000	19
89	Bromoform	173	8.753	8.751	(1.076)	70015	20.0000	20
* 90	1,4-Dichlorobenzene-d4	152	10.180	10.178	(1.000)	115091	25.0000	
91	Isopropylbenzene	105	8.960	8.958	(0.880)	326778	20.0000	19
92	1,1,2,2-Tetrachloroethane	83	9.383	9.381	(0.922)	144056	20.0000	19
93	Bromobenzene	156	9.294	9.293	(0.913)	106209	20.0000	19
94	1,2,3-Trichloropropane	110	9.491	9.489	(0.932)	37288	20.0000	20
95	trans-1,4-Dichloro-2-Butene	53	9.530	9.529	(0.936)	69744	40.0000	38
96	n-Propylbenzene	91	9.324	9.322	(0.916)	396037	20.0000	20
97	2-Chlorotoluene	91	9.452	9.450	(0.928)	258097	20.0000	19
98	4-Chlorotoluene	91	9.599	9.598	(0.943)	272708	20.0000	19
99	1,3,5-Trimethylbenzene	105	9.501	9.499	(0.933)	262303	20.0000	19
100	tert-Butylbenzene	119	9.767	9.765	(0.959)	217408	20.0000	19
101	1,2,4-Trimethylbenzene	105	9.835	9.834	(0.966)	266734	20.0000	20
102	sec-Butylbenzene	105	9.924	9.922	(0.975)	267313	20.0000	20
103	4-Isopropyltoluene	119	10.052	10.050	(0.987)	259642	20.0000	19
104	1,3-Dichlorobenzene	146	10.111	10.109	(0.993)	190423	20.0000	19
105	1,4-Dichlorobenzene	146	10.190	10.188	(1.001)	192884	20.0000	20
106	1,2-Dichlorobenzene	146	10.554	10.552	(1.037)	181527	20.0000	19
107	Benzyl Chloride	126	10.406	10.404	(1.022)	42969	20.0000	20
108	n-Butylbenzene	91	10.406	10.414	(1.022)	399927	20.0000	19
111	1,2-Dibromo-3-chloropropane	75	11.252	11.251	(1.105)	24793	20.0000	20
112	Nitrobenzene	77	11.734	11.742	(1.153)	45526	200.000	200
113	1,2,4-Trichlorobenzene	180	11.852	11.861	(1.164)	73302	20.0000	19
114	Hexachlorobutadiene	225	11.833	11.841	(1.162)	43614	20.0000	17
115	Naphthalene	128	12.138	12.136	(1.192)	233518	20.0000	19
116	1,2,3-Trichlorobenzene	180	12.305	12.303	(1.209)	63510	20.0000	19
$ 117	Bromofluorobenzene	95	9.206	9.204	(0.904)	98813	20.0000	20
M 118	1,2-Dichloroethene (total)	100				203988	40.0000	38
M 119	Xylene (total)	100				422897	60.0000	54


Data File: \\TARGET1_CT\FILES\chem\VOA\ms1.i\L051538.b\L1542.D
Date : 22-JUN-2005 16:33
Client ID: VSTD020LK
Sample Info: VSTD020LK
Purge Volume: 5.0
Column phase: RTX-624
Instrument: ms1.i
Operator: D. HUMBERT
Column diameter: 0.53
Page 4
\\TARGET1_CT\FILES\chem\VOA\ms1.i\L051538.b\L1542.D
Y (x10^6)
Min
-Dichlorodifluoromethane
-Freon 123a+
-Carbon Disulfide
-Acetonitrile
-Isopropyl ether
-tert-Butyl ethyl ether+
-cis-1,2-Dichloroethene
-1,1-Dichloropropene
-Fluorobenzene
-Methyl Cyclohexane+
-Dibromomethane
-Methyl Methacrylate
-Toluene
-1,2-Dibromoethane
-2-Hexanone
Chlorobenzene-d5+
Xylene (total)mp
-Isopropylbenzene
-1,2,3-Trichloropropane+
-1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-Naphthalene
-1,2,3-Trichlorobenzene

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\FILES\chem\VOA\msl.i\L051538.b\L1543.D
Lab Smp Id: VSTD050LL Client Smp ID: VSTD050LL
Inj Date : 22-JUN-2005 16:57 MS Autotune Date: 26-APR-2004 14:21
Operator : D. HUMBERT Inst ID: msl.i
Smp Info : VSTD050LL
Misc Info : : ;;; VSTD050LL ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msl.i\L051538.b\L8260BFW.m
Meth Date : 22-Jun-2005 19:04 michael Quant Type: ISTD
Cal Date : 22-JUN-2005 16:57 Cal File: L1543.D
Als bottle: 94 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	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

DJH 6/22/05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 1 Fluorobenzene	96	5.119	5.121	(1.000)	319211	25.0000	
2 Dichlorodifluoromethane	85	1.223	1.215	(0.239)	207046	50.0000	53
3 Chloromethane	50	1.341	1.333	(0.262)	411139	50.0000	54
4 Vinyl Chloride	62	1.380	1.382	(0.270)	388353	50.0000	54
5 Bromomethane	94	1.577	1.569	(0.308)	186720	50.0000	52
6 Chloroethane	64	1.656	1.648	(0.323)	248074	50.0000	52
7 Trichlorofluoromethane	101	1.744	1.736	(0.341)	376132	50.0000	57
8 Dichlorofluoromethane	67	1.754	1.756	(0.343)	680245	50.0000	55
9 Ethyl Ether	45	1.911	1.913	(0.373)	256574	50.0000	55
10 Freon 141	81	1.980	1.982	(0.387)	468406	50.0000	55
11 Freon 123a	67	2.059	2.051	(0.402)	97682	50.0000	55
12 Trichlorotrifluoroethane	101	2.079	2.071	(0.406)	235190	50.0000	54
13 1,1-Dichloroethene	96	2.059	2.061	(0.402)	243181	50.0000	57
14 Carbon Disulfide	76	2.108	2.100	(0.412)	1100129	50.0000	55
15 Iodomethane	142	2.167	2.169	(0.423)	404897	50.0000	69
16 3-Chloro-1-Propene	41	2.374	2.376	(0.464)	606831	50.0000	57
17 Methylene Chloride	84	2.453	2.454	(0.479)	364437	50.0000	47
18 Acetone	43	2.472	2.474	(0.483)	161409	50.0000	48
19 trans-1,2-Dichloroethene	96	2.580	2.582	(0.504)	295479	50.0000	55
20 Methyl tert-Butyl Ether	73	2.649	2.651	(0.518)	1056157	50.0000	55
21 Acrolein	56	2.266	2.268	(0.443)	248063	250.000	270
22 tert-Butyl alcohol	59	2.689	2.691	(0.525)	269580	250.000	280

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	23 Methyl Acetate	43	2.561	2.563	(0.500)	862758	50.0000	53
	24 Acetonitrile	41	2.836	2.838	(0.554)	694802	500.000	530
	25 Isopropyl ether	45	2.964	2.956	(0.579)	1464842	50.0000	55
	26 tert-Butyl ethyl ether	59	3.318	3.310	(0.648)	1237353	50.0000	54
	27 Acrylonitrile	53	3.072	3.074	(0.600)	544373	100.000	110
	28 2-Chloro-1,3-Butadiene	88	3.082	3.074	(0.602)	221698	50.0000	56
	29 1,1-Dichloroethane	63	3.092	3.094	(0.604)	731827	50.0000	54
	30 Vinyl Acetate	43	3.318	3.310	(0.648)	1217058	50.0000	55
	31 cis-1,2-Dichloroethene	96	3.643	3.635	(0.712)	314111	50.0000	55
	32 2,2-Dichloropropane	77	3.761	3.763	(0.735)	538713	50.0000	52
	33 Bromochloromethane	128	3.869	3.871	(0.756)	200954	50.0000	56
	34 1-Bromopropane	43	3.860	3.861	(0.754)	587836	50.0000	53
	35 Chloroform	83	3.958	3.950	(0.773)	614866	50.0000	56
	36 Ethyl Acetate	43	4.106	4.098	(0.802)	218397	100.000	96
	37 Methyl Acrylate	55	4.115	4.107	(0.804)	426163	50.0000	56
$	38 Dibromofluoromethane	111	4.184	4.176	(0.817)	112043	25.0000	27
	39 Tetrahydrofuran	42	4.174	4.157	(0.815)	274997	100.000	120
	40 1,1,1-Trichloroethane	97	4.224	4.225	(0.825)	407443	50.0000	55
	41 Carbon Tetrachloride	117	4.155	4.157	(0.812)	377192	50.0000	55
	42 2-Butanone	43	4.322	4.314	(0.844)	260764	50.0000	41
	43 1,1-Dichloropropene	75	4.371	4.373	(0.854)	509193	50.0000	54
	44 Cyclohexane	84	3.899	3.901	(0.762)	384397	50.0000	56
	45 tert-Amyl methyl ether	73	4.804	4.796	(0.938)	1170342	50.0000	55
	46 tert-Butyl formate	57	4.489	4.481	(0.877)	229939	50.0000	57(M)
	47 1-Chlorobutane	56	3.899	3.901	(0.762)	552850	50.0000	55
	48 Propionitrile	54	4.647	4.639	(0.908)	661190	500.000	560
	49 Isobutyl alcohol	42	4.902	4.895	(0.958)	121622	500.000	530
	50 Benzene	78	4.656	4.658	(0.910)	1336990	50.0000	53
	51 2-Methyl-2-Propenenitrile	41	4.676	4.678	(0.914)	333173	50.0000	56
$	52 1,2-Dichloroethane-d4	65	4.794	4.796	(0.937)	161942	25.0000	26
	53 1,2-Dichloroethane	62	4.873	4.875	(0.952)	533149	50.0000	54
	57 Methyl Cyclohexane	83	5.306	5.308	(1.037)	312548	50.0000	56
	58 Trichloroethene	130	5.316	5.318	(1.038)	339378	50.0000	54
	59 Dibromomethane	93	5.739	5.741	(1.121)	231032	50.0000	57
	60 1,2-Dichloropropane	63	5.837	5.839	(1.140)	404016	50.0000	52
	61 Bromodichloromethane	83	5.916	5.918	(1.156)	432960	50.0000	56
	62 Methyl Methacrylate	69	6.083	6.085	(1.188)	618764	100.000	110
	63 1,4-Dioxane	58	6.122	6.124	(1.196)	131512	2500.00	2800
	64 2-Chloroethylvinylether	63	6.487	6.488	(1.267)	238768	50.0000	55
	65 cis-1,3-Dichloropropene	75	6.536	6.538	(1.277)	612879	50.0000	54
	66 2-Nitropropane	41	6.959	6.951	(1.359)	253227	100.000	110
	67 Chloroacetonitrile	48	6.870	6.872	(1.342)	374411	1000.00	1100
	68 trans-1,3-Dichloropropene	75	7.156	7.148	(1.398)	574291	50.0000	56
	69 1,1,2-Trichloroethane	97	7.303	7.295	(1.427)	262376	50.0000	56
*	70 Chlorobenzene-d5	117	8.130	8.132	(1.000)	237857	25.0000	
	71 Toluene	91	6.762	6.764	(0.832)	1133533	50.0000	56
$	72 Toluene-d8	98	6.723	6.715	(0.827)	334221	25.0000	28
	73 1,1-Dichloro-2-propanone	43	6.978	6.980	(0.858)	1354959	250.000	280
	74 4-Methyl-2-Pentanone	43	7.116	7.108	(0.875)	507040	50.0000	54
	75 Tetrachloroethene	164	7.136	7.138	(0.878)	204093	50.0000	56
	76 Ethyl Methacrylate	69	7.313	7.315	(0.900)	559525	50.0000	56
	77 Dibromochloromethane	129	7.470	7.463	(0.919)	382544	50.0000	59
	78 1,3-Dichloropropane	76	7.539	7.541	(0.927)	610322	50.0000	55
	79 1,2-Dibromoethane	107	7.667	7.669	(0.943)	317103	50.0000	55

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
81	2-Hexanone	43	7.874	7.876	(0.969)	362480	50.0000	55
82	1-Chlorohexane	91	8.139	8.132	(1.001)	309434	50.0000	56
83	Chlorobenzene	112	8.149	8.141	(1.002)	715497	50.0000	55
84	1,1,1,2-Tetrachloroethane	131	8.208	8.210	(1.010)	314607	50.0000	58
85	Ethylbenzene	106	8.179	8.181	(1.006)	324938	50.0000	55
86	Xylene (total)mp	106	8.307	8.309	(1.022)	838603	100.000	110
87	Xylene (total)o	106	8.681	8.683	(1.068)	416102	50.0000	56
88	Styrene	104	8.730	8.732	(1.074)	716917	50.0000	56
89	Bromoform	173	8.759	8.751	(1.077)	219929	50.0000	60
* 90	1,4-Dichlorobenzene-d4	152	10.176	10.178	(1.000)	112059	25.0000	
91	Isopropylbenzene	105	8.966	8.958	(0.881)	969675	50.0000	55
92	1,1,2,2-Tetrachloroethane	83	9.379	9.381	(0.922)	425209	50.0000	55
93	Bromobenzene	156	9.291	9.293	(0.913)	319070	50.0000	56
94	1,2,3-Trichloropropane	110	9.497	9.489	(0.933)	110283	50.0000	57
95	trans-1,4-Dichloro-2-Butene	53	9.527	9.529	(0.936)	203720	100.000	110
96	n-Propylbenzene	91	9.320	9.322	(0.916)	1170889	50.0000	56
97	2-Chlorotoluene	91	9.458	9.450	(0.929)	756939	50.0000	54
98	4-Chlorotoluene	91	9.596	9.598	(0.943)	808571	50.0000	55
99	1,3,5-Trimethylbenzene	105	9.497	9.499	(0.933)	773957	50.0000	54
100	tert-Butylbenzene	119	9.773	9.765	(0.960)	660682	50.0000	56
101	1,2,4-Trimethylbenzene	105	9.832	9.834	(0.966)	801419	50.0000	56
102	sec-Butylbenzene	105	9.920	9.922	(0.975)	780742	50.0000	55
103	4-Isopropyltoluene	119	10.048	10.050	(0.987)	764799	50.0000	55
104	1,3-Dichlorobenzene	146	10.117	10.109	(0.994)	541882	50.0000	53
105	1,4-Dichlorobenzene	146	10.196	10.188	(1.002)	576553	50.0000	56
106	1,2-Dichlorobenzene	146	10.550	10.552	(1.037)	527964	50.0000	54
107	Benzyl Chloride	126	10.402	10.404	(1.022)	139616	50.0000	60
108	n-Butylbenzene	91	10.412	10.414	(1.023)	1231675	50.0000	57
111	1,2-Dibromo-3-chloropropane	75	11.249	11.251	(1.105)	80917	50.0000	60
112	Nitrobenzene	77	11.741	11.742	(1.154)	191210	500.000	690
113	1,2,4-Trichlorobenzene	180	11.859	11.861	(1.165)	235953	50.0000	59
114	Hexachlorobutadiene	225	11.839	11.841	(1.163)	129438	50.0000	51
115	Naphthalene	128	12.134	12.136	(1.192)	764761	50.0000	59
116	1,2,3-Trichlorobenzene	180	12.301	12.303	(1.209)	214615	50.0000	60
$ 117	Bromofluorobenzene	95	9.202	9.204	(0.904)	128322	25.0000	26
M 118	1,2-Dichloroethene (total)	100				609590	100.000	110
M 119	Xylene (total)	100				1254705	150.000	160

QC Flag Legend

M - Compound response manually integrated.

Data File: \\TARGET1_CT\FILES\chem\VOA\ms1.i\L051538.b\L1543.D
Date : 22-JUN-2005 16:57
Client ID: VSTD050LL
Sample Info: VSTD050LL
Purge Volume: 5.0
Column phase: RTX-624
Instrument: ms1.i
Operator: D. HUMBERT
Column diameter: 0.53
Y (x10^6)
Min
-Dichlorodifluoromethane
-Chloroethane
-Trichlorofluoromethane+
-Ethyl Ether
-Freon 123a+
-Acrolein
-3-Chloro-1-Propene
-Methylene Chloride
-Acetonitrile
-Isopropyl ether
-Acrylonitrile+
-tert-Butyl ethyl ether+
-cis-1,2-Dichloroethene
-2,2-Dichloropropane
-Chloroform
-2-Butanone
-1,1-Dichloropropene
-tert-Butyl formate
-tert-Amyl Methyl ether+
-Fluorobenzene
-Methyl Cyclohexane+
-Dibromomethane
-1,2-Dichloropropane
-Bromodichloromethane
-Methyl Methacrylate
-1,4 Dioxane
-Toluene
-Chloroacetonitrile
-1,1,2-Trichloroethane+
-Dibromochloromethane
-1,2-Dibromoethane
-2-Hexanone
-Chlorobenzene-d5+
Xylene (total)mp
-Xylene (total)o
-Styrene
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,2,3-Trichloropropane+
-4-Chlorotoluene
-tert-Butylbenzene
-sec-Butylbenzene
-1,3-Dichlorobenzene-d4+
-Benzyl Chloride+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-Nitrobenzene
-1,2,4-Trichlorobenzene+
-Naphthalene
-1,2,3-Trichlorobenzene
\\TARGET1_CT\FILES\chem\VOA\ms1.i\L051538.b\L1543.D

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\FILES\chem\VOA\msl.i\L051538.b\L1544.D
Lab Smp Id: VSTD100LM Client Smp ID: VSTD100LM
Inj Date : 22-JUN-2005 17:21 MS Autotune Date: 26-APR-2004 14:21
Operator : D. HUMBERT Inst ID: msl.i
Smp Info : VSTD100LM
Misc Info : : ;;; VSTD100LM ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msl.i\L051538.b\L8260BFW.m
Meth Date : 22-Jun-2005 19:04 michael Quant Type: ISTD
Cal Date : 22-JUN-2005 17:21 Cal File: L1544.D
Als bottle: 95 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	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

DDH 6/22/05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 1 Fluorobenzene	96	5.117	5.121	(1.000)	314153	25.0000	
2 Dichlorodifluoromethane	85	1.221	1.215	(0.239)	419148	100.000	110
3 Chloromethane	50	1.339	1.333	(0.262)	824148	100.000	110
4 Vinyl Chloride	62	1.388	1.382	(0.271)	766621	100.000	110
5 Bromomethane	94	1.575	1.569	(0.308)	329723	100.000	95
6 Chloroethane	64	1.653	1.648	(0.323)	450898	100.000	97
7 Trichlorofluoromethane	101	1.742	1.736	(0.341)	732080	100.000	110
8 Dichlorofluoromethane	67	1.752	1.756	(0.342)	1325440	100.000	110
9 Ethyl Ether	45	1.909	1.913	(0.373)	492405	100.000	100
10 Freon 141	81	1.978	1.982	(0.387)	938376	100.000	110
11 Freon 123a	67	2.057	2.051	(0.402)	167373	100.000	97
12 Trichlorotrifluoroethane	101	2.077	2.071	(0.406)	464882	100.000	110
13 1,1-Dichloroethene	96	2.057	2.061	(0.402)	483869	100.000	110
14 Carbon Disulfide	76	2.106	2.100	(0.412)	2185011	100.000	110
15 Iodomethane	142	2.165	2.169	(0.423)	869176	100.000	130
16 3-Chloro-1-Propene	41	2.372	2.376	(0.464)	1202238	100.000	110
17 Methylene Chloride	84	2.450	2.454	(0.479)	689701	100.000	93
18 Acetone	43	2.470	2.474	(0.483)	301754	100.000	93
19 trans-1,2-Dichloroethene	96	2.578	2.582	(0.504)	566361	100.000	100
20 Methyl tert-Butyl Ether	73	2.647	2.651	(0.517)	2033007	100.000	110
21 Acrolein	56	2.273	2.268	(0.444)	478630	500.000	530
22 tert-Butyl alcohol	59	2.696	2.691	(0.527)	518852	500.000	530

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	
23	Methyl Acetate	43	2.559	2.563	(0.500)	1673422	100.000	100	
24	Acetonitrile	41	2.834	2.838	(0.554)	1356132	1000.00	1000	
25	Isopropyl ether	45	2.962	2.956	(0.579)	2854782	100.000	110	
26	tert-Butyl ethyl ether	59	3.316	3.310	(0.648)	2462016	100.000	110	
27	Acrylonitrile	53	3.080	3.074	(0.602)	1059534	200.000	220	
28	2-Chloro-1,3-Butadiene	88	3.080	3.074	(0.602)	448681	100.000	110	
29	1,1-Dichloroethane	63	3.090	3.094	(0.604)	1438530	100.000	100	
30	Vinyl Acetate	43	3.316	3.310	(0.648)	2354986	100.000	110	
31	cis-1,2-Dichloroethene	96	3.641	3.635	(0.712)	624689	100.000	110	
32	2,2-Dichloropropane	77	3.759	3.763	(0.735)	995361	100.000	98	
33	Bromochloromethane	128	3.867	3.871	(0.756)	390618	100.000	110	
34	1-Bromopropane	43	3.857	3.861	(0.754)	1157985	100.000	100	
35	Chloroform	83	3.956	3.950	(0.773)	1217192	100.000	110	
36	Ethyl Acetate	43	4.103	4.098	(0.802)	433259	200.000	190	
37	Methyl Acrylate	55	4.113	4.107	(0.804)	826340	100.000	110	
$ 38	Dibromofluoromethane	111	4.182	4.176	(0.817)	423894	100.000	100	
39	Tetrahydrofuran	42	4.162	4.157	(0.813)	537094	200.000	220	
40	1,1,1-Trichloroethane	97	4.221	4.225	(0.825)	808343	100.000	110	
41	Carbon Tetrachloride	117	4.153	4.157	(0.812)	727798	100.000	100	
42	2-Butanone	43	4.320	4.314	(0.844)	494248	100.000	83	
43	1,1-Dichloropropene	75	4.369	4.373	(0.854)	999436	100.000	100	
44	Cyclohexane	84	3.897	3.901	(0.762)	757388	100.000	110	
45	tert-Amyl methyl ether	73	4.792	4.796	(0.937)	2293964	100.000	110	
46	tert-Butyl formate	57	4.487	4.481	(0.877)	418886	100.000	100	(H)
47	1-Chlorobutane	56	3.897	3.901	(0.762)	1081222	100.000	110	
48	Propionitrile	54	4.645	4.639	(0.908)	1244057	1000.00	1000	
49	Isobutyl alcohol	42	4.900	4.895	(0.958)	245696	1000.00	1100	
50	Benzene	78	4.654	4.658	(0.910)	2620463	100.000	100	
51	2-Methyl-2-Propenenitrile	41	4.674	4.678	(0.913)	620894	100.000	100	
$ 52	1,2-Dichloroethane-d4	65	4.802	4.796	(0.938)	601564	100.000	99	
53	1,2-Dichloroethane	62	4.881	4.875	(0.954)	1037849	100.000	100	
57	Methyl Cyclohexane	83	5.304	5.308	(1.037)	626413	100.000	110	
58	Trichloroethene	130	5.314	5.318	(1.038)	667770	100.000	110	
59	Dibromomethane	93	5.737	5.741	(1.121)	439098	100.000	110	
60	1,2-Dichloropropane	63	5.835	5.839	(1.140)	792917	100.000	100	
61	Bromodichloromethane	83	5.914	5.918	(1.156)	856600	100.000	110	
62	Methyl Methacrylate	69	6.081	6.085	(1.188)	1227929	200.000	220	
63	1,4-Dioxane	58	6.120	6.124	(1.196)	255259	5000.00	5400	
64	2-Chloroethylvinylether	63	6.484	6.488	(1.267)	474607	100.000	110	
65	cis-1,3-Dichloropropene	75	6.534	6.538	(1.277)	1209866	100.000	110	
66	2-Nitropropane	41	6.957	6.951	(1.360)	500472	200.000	220	
67	Chloroacetonitrile	48	6.878	6.872	(1.344)	707248	2000.00	2100	
68	trans-1,3-Dichloropropene	75	7.153	7.148	(1.398)	1145626	100.000	110	
69	1,1,2-Trichloroethane	97	7.301	7.295	(1.427)	508894	100.000	110	
* 70	Chlorobenzene-d5	117	8.128	8.132	(1.000)	246902	25.0000		
71	Toluene	91	6.770	6.764	(0.833)	2208099	100.000	100	
$ 72	Toluene-d8	98	6.721	6.715	(0.827)	1235698	100.000	99	
73	1,1-Dichloro-2-propanone	43	6.976	6.980	(0.858)	2642827	500.000	520	
74	4-Methyl-2-Pentanone	43	7.114	7.108	(0.875)	984601	100.000	100	
75	Tetrachloroethene	164	7.134	7.138	(0.878)	395660	100.000	100	
76	Ethyl Methacrylate	69	7.311	7.315	(0.900)	1096975	100.000	100	
77	Dibromochloromethane	129	7.468	7.463	(0.919)	761071	100.000	110	
78	1,3-Dichloropropane	76	7.537	7.541	(0.927)	1188519	100.000	100	
79	1,2-Dibromoethane	107	7.665	7.669	(0.943)	608583	100.000	100	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
81	2-Hexanone	43	7.872	7.876	(0.969)	705381	100.000	100
82	1-Chlorohexane	91	8.137	8.132	(1.001)	591524	100.000	100
83	Chlorobenzene	112	8.147	8.141	(1.002)	1394750	100.000	100
84	1,1,1,2-Tetrachloroethane	131	8.206	8.210	(1.010)	634391	100.000	110
85	Ethylbenzene	106	8.177	8.181	(1.006)	642142	100.000	100
86	Xylene (total)mp	106	8.305	8.309	(1.022)	1642314	200.000	200
87	Xylene (total)o	106	8.679	8.683	(1.068)	795691	100.000	100
88	Styrene	104	8.728	8.732	(1.074)	1428529	100.000	100
89	Bromoform	173	8.757	8.751	(1.077)	437052	100.000	110
* 90	1,4-Dichlorobenzene-d4	152	10.174	10.178	(1.000)	119982	25.0000	
91	Isopropylbenzene	105	8.964	8.958	(0.881)	1900020	100.000	100
92	1,1,2,2-Tetrachloroethane	83	9.387	9.381	(0.923)	815307	100.000	99
93	Bromobenzene	156	9.289	9.293	(0.913)	626037	100.000	100
94	1,2,3-Trichloropropane	110	9.495	9.489	(0.933)	212002	100.000	100
95	trans-1,4-Dichloro-2-Butene	53	9.535	9.529	(0.937)	399741	200.000	200
96	n-Propylbenzene	91	9.318	9.322	(0.916)	2265620	100.000	100
97	2-Chlorotoluene	91	9.456	9.450	(0.929)	1529729	100.000	100
98	4-Chlorotoluene	91	9.594	9.598	(0.943)	1558544	100.000	100
99	1,3,5-Trimethylbenzene	105	9.495	9.499	(0.933)	1521303	100.000	100
100	tert-Butylbenzene	119	9.771	9.765	(0.960)	1273613	100.000	100
101	1,2,4-Trimethylbenzene	105	9.830	9.834	(0.966)	1578524	100.000	100
102	sec-Butylbenzene	105	9.928	9.922	(0.976)	1554815	100.000	100
103	4-Isopropyltoluene	119	10.046	10.050	(0.987)	1520547	100.000	100
104	1,3-Dichlorobenzene	146	10.115	10.109	(0.994)	1068036	100.000	99
105	1,4-Dichlorobenzene	146	10.194	10.188	(1.002)	1133906	100.000	100
106	1,2-Dichlorobenzene	146	10.558	10.552	(1.038)	1072273	100.000	100
107	Benzyl Chloride	126	10.400	10.404	(1.022)	278722	100.000	110
108	n-Butylbenzene	91	10.410	10.414	(1.023)	2460352	100.000	100
111	1,2-Dibromo-3-chloropropane	75	11.247	11.251	(1.105)	160258	100.000	110
112	Nitrobenzene	77	11.738	11.742	(1.154)	470203	1000.00	1400
113	1,2,4-Trichlorobenzene	180	11.857	11.861	(1.165)	468572	100.000	110
114	Hexachlorobutadiene	225	11.837	11.841	(1.163)	261189	100.000	97
115	Naphthalene	128	12.132	12.136	(1.192)	1579359	100.000	110
116	1,2,3-Trichlorobenzene	180	12.309	12.303	(1.210)	427878	100.000	110
$ 117	Bromofluorobenzene	95	9.200	9.204	(0.904)	485164	100.000	95
M 118	1,2-Dichloroethene (total)	100				1191050	200.000	210
M 119	Xylene (total)	100				2438005	300.000	310

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: \\TARGET1_CT\FILES\chem\VOA\ms1.i\L051538.b\L1544.D
Date : 22-JUN-2005 17:21
Client ID: VSTD100LH
Sample Info: VSTD100LH
Purge Volume: 5.0
Column phase: RTX-624
Instrument: ms1.i
Operator: D. HUMBERT
Column diameter: 0.53
\\TARGET1_CT\FILES\chem\VOA\ms1.i\L051538.b\L1544.D
Y (x10^6)
Min
-Dichlorodifluoromethane
-Chloroethane
-Trichlorofluoromethane+
-Ethyl Ether
-Freon 123a+
-Acrolein
-3-Chloro-1-Propene
-Acetonitrile
-Isopropyl ether
-Acrylonitrile+
-tert-Butyl ethyl ether+
-cis-1,2-Dichloroethene
-2,2-Dichloropropane
-2-Butanone
-1,1-Dichloropropene
-tert-Butyl formate
-tert-Amyl methyl ether+
-Fluorobenzene
-Methyl Cyclohexane+
-Dibromomethane
-Bromodichloromethane
-Methyl Methacrylate
-1,4-Dioxane
-Toluene
-Toluene-d8
-Chloroacetonitrile
-1,1,2-Trichloroethane+
-1,2-Dibromoethane
-2-Hexanone
-Chlorobenzene-d5+
Xylene (total)mp
-Isopropylbenzene
-Bromofluorobenzene
-1,2,3-Trichloropropane+
-tert-Butylbenzene
-sec-Butylbenzene
-Benzyl Chloride+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-Nitrobenzene
-1,2,4-Trichlorobenzene+
-Naphthalene
-1,2,3-Trichlorobenzene

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\FILES\chem\VOA\msl.i\L051538.b\L1545.D
Lab Smp Id: VSTD200LN Client Smp ID: VSTD200LN
Inj Date : 22-JUN-2005 17:45 MS Autotune Date: 26-APR-2004 14:21
Operator : D. HUMBERT Inst ID: msl.i
Smp Info : VSTD200LN
Misc Info : : ;;; VSTD200LN ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msl.i\L051538.b\L8260BFW.m
Meth Date : 22-Jun-2005 19:04 michael Quant Type: ISTD
Cal Date : 22-JUN-2005 17:45 Cal File: L1545.D
Als bottle: 96 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	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

D.H. 6/22/05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 1	Fluorobenzene	96	5.121	5.121	(1.000)	324114	25.0000	
2	Dichlorodifluoromethane	85	1.215	1.215	(0.237)	824601	200.000	200(A)
3	Chloromethane	50	1.333	1.333	(0.260)	1581881	200.000	200
4	Vinyl Chloride	62	1.382	1.382	(0.270)	1489890	200.000	200(A)
5	Bromomethane	94	1.569	1.569	(0.306)	599171	200.000	170
6	Chloroethane	64	1.648	1.648	(0.322)	830144	200.000	180
7	Trichlorofluoromethane	101	1.736	1.736	(0.339)	1398851	200.000	200(A)
8	Dichlorofluoromethane	67	1.756	1.756	(0.343)	2500751	200.000	200
9	Ethyl Ether	45	1.913	1.913	(0.374)	961603	200.000	200
10	Freon 141	81	1.982	1.982	(0.387)	1782404	200.000	200
11	Freon 123a	67	2.051	2.051	(0.401)	318700	200.000	180
12	Trichlorotrifluoroethane	101	2.071	2.071	(0.404)	900554	200.000	200
13	1,1-Dichloroethene	96	2.061	2.061	(0.403)	904234	200.000	200(A)
14	Carbon Disulfide	76	2.100	2.100	(0.410)	4171092	200.000	200(A)
15	Iodomethane	142	2.169	2.169	(0.424)	1702075	200.000	240(A)
16	3-Chloro-1-Propene	41	2.376	2.376	(0.464)	2251446	200.000	200(A)
17	Methylene Chloride	84	2.454	2.454	(0.479)	1292951	200.000	170
18	Acetone	43	2.474	2.474	(0.483)	568344	200.000	180
19	trans-1,2-Dichloroethene	96	2.582	2.582	(0.504)	1112165	200.000	200(A)
20	Methyl tert-Butyl Ether	73	2.651	2.651	(0.518)	3983431	200.000	200(A)
21	Acrolein	56	2.268	2.268	(0.443)	965232	1000.00	1000(A)
22	tert-Butyl alcohol	59	2.691	2.691	(0.525)	1042427	1000.00	1000(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
23	Methyl Acetate	43	2.563	2.563	(0.500)	3256216	200.000	200
24	Acetonitrile	41	2.838	2.838	(0.554)	2633840	2000.00	2000
25	Isopropyl ether	45	2.956	2.956	(0.577)	5412233	200.000	200
26	tert-Butyl ethyl ether	59	3.310	3.310	(0.647)	4673175	200.000	200
27	Acrylonitrile	53	3.074	3.074	(0.600)	1875478	400.000	380
28	2-Chloro-1,3-Butadiene	88	3.074	3.074	(0.600)	831186	200.000	200
29	1,1-Dichloroethane	63	3.094	3.094	(0.604)	2696273	200.000	190
30	Vinyl Acetate	43	3.310	3.310	(0.647)	4532455	200.000	200
31	cis-1,2-Dichloroethene	96	3.635	3.635	(0.710)	1175337	200.000	200
32	2,2-Dichloropropane	77	3.763	3.763	(0.735)	1922110	200.000	190
33	Bromochloromethane	128	3.871	3.871	(0.756)	733314	200.000	200
34	1-Bromopropane	43	3.861	3.861	(0.754)	2136252	200.000	190
35	Chloroform	83	3.950	3.950	(0.771)	2322678	200.000	200(A)
36	Ethyl Acetate	43	4.098	4.098	(0.800)	840857	400.000	370
37	Methyl Acrylate	55	4.107	4.107	(0.802)	1587075	200.000	200
$ 38	Dibromofluoromethane	111	4.176	4.176	(0.816)	825604	200.000	190
39	Tetrahydrofuran	42	4.157	4.157	(0.812)	1034931	400.000	410(A)
40	1,1,1-Trichloroethane	97	4.225	4.225	(0.825)	1561763	200.000	200(A)
41	Carbon Tetrachloride	117	4.157	4.157	(0.812)	1418449	200.000	200
42	2-Butanone	43	4.314	4.314	(0.842)	960790	200.000	160
43	1,1-Dichloropropene	75	4.373	4.373	(0.854)	1936308	200.000	200
44	Cyclohexane	84	3.901	3.901	(0.762)	1429776	200.000	200
45	tert-Amyl methyl ether	73	4.796	4.796	(0.937)	4443424	200.000	200(A)
46	tert-Butyl formate	57	4.481	4.481	(0.875)	880960	200.000	210(AM)
47	1-Chlorobutane	56	3.901	3.901	(0.762)	2053191	200.000	200
48	Propionitrile	54	4.639	4.639	(0.906)	2422334	2000.00	2000
49	Isobutyl alcohol	42	4.895	4.895	(0.956)	470936	2000.00	2000
50	Benzene	78	4.658	4.658	(0.910)	5016422	200.000	190
51	2-Methyl-2-Propenenitrile	41	4.678	4.678	(0.914)	1211800	200.000	200
$ 52	1,2-Dichloroethane-d4	65	4.796	4.796	(0.937)	1171032	200.000	190
53	1,2-Dichloroethane	62	4.875	4.875	(0.952)	2019529	200.000	200
57	Methyl Cyclohexane	83	5.308	5.308	(1.037)	1210765	200.000	200(A)
58	Trichloroethene	130	5.318	5.318	(1.038)	1298098	200.000	200(A)
59	Dibromomethane	93	5.741	5.741	(1.121)	852251	200.000	200(A)
60	1,2-Dichloropropane	63	5.839	5.839	(1.140)	1528006	200.000	190
61	Bromodichloromethane	83	5.918	5.918	(1.156)	1674870	200.000	200(A)
62	Methyl Methacrylate	69	6.085	6.085	(1.188)	2349025	400.000	400(A)
63	1,4-Dioxane	58	6.124	6.124	(1.196)	514546	10000.0	10000(A)
64	2-Chloroethylvinylether	63	6.488	6.488	(1.267)	919658	200.000	200(A)
65	cis-1,3-Dichloropropene	75	6.538	6.538	(1.277)	2335939	200.000	200
66	2-Nitropropane	41	6.951	6.951	(1.357)	981852	400.000	410(A)
67	Chloroacetonitrile	48	6.872	6.872	(1.342)	1422681	4000.00	4100(A)
68	trans-1,3-Dichloropropene	75	7.148	7.148	(1.396)	2200489	200.000	200(A)
69	1,1,2-Trichloroethane	97	7.295	7.295	(1.425)	977303	200.000	200(A)
* 70	Chlorobenzene-d5	117	8.132	8.132	(1.000)	251663	25.0000	
71	Toluene	91	6.764	6.764	(0.832)	4248632	200.000	200
$ 72	Toluene-d8	98	6.715	6.715	(0.826)	2407437	200.000	190
73	1,1-Dichloro-2-propanone	43	6.980	6.980	(0.858)	5259720	1000.00	1000(A)
74	4-Methyl-2-Pentanone	43	7.108	7.108	(0.874)	1922352	200.000	200
75	Tetrachloroethene	164	7.138	7.138	(0.878)	762038	200.000	200
76	Ethyl Methacrylate	69	7.315	7.315	(0.900)	2148927	200.000	200
77	Dibromochloromethane	129	7.463	7.463	(0.918)	1500374	200.000	210(A)
78	1,3-Dichloropropane	76	7.541	7.541	(0.927)	2283708	200.000	190
79	1,2-Dibromoethane	107	7.669	7.669	(0.943)	1189253	200.000	200

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
81	2-Hexanone	43	7.876	7.876	(0.969)	1399864	200.000	200(A)
82	1-Chlorohexane	91	8.132	8.132	(1.000)	1214045	200.000	200(A)
83	Chlorobenzene	112	8.141	8.141	(1.001)	2679629	200.000	190
84	1,1,1,2-Tetrachloroethane	131	8.210	8.210	(1.010)	1211278	200.000	200(A)
85	Ethylbenzene	106	8.181	8.181	(1.006)	1227566	200.000	200
86	Xylene (total)mp	106	8.309	8.309	(1.022)	3160688	400.000	390
87	Xylene (total)o	106	8.683	8.683	(1.068)	1545472	200.000	200
88	Styrene	104	8.732	8.732	(1.074)	2775315	200.000	200(A)
89	Bromoform	173	8.751	8.751	(1.076)	872376	200.000	210(A)
* 90	1,4-Dichlorobenzene-d4	152	10.178	10.178	(1.000)	116596	25.0000	
91	Isopropylbenzene	105	8.958	8.958	(0.880)	3690049	200.000	200(A)
92	1,1,2,2-Tetrachloroethane	83	9.381	9.381	(0.922)	1606667	200.000	200(A)
93	Bromobenzene	156	9.293	9.293	(0.913)	1222312	200.000	200(A)
94	1,2,3-Trichloropropane	110	9.489	9.489	(0.932)	409871	200.000	200(A)
95	trans-1,4-Dichloro-2-Butene	53	9.529	9.529	(0.936)	816062	400.000	410(A)
96	n-Propylbenzene	91	9.322	9.322	(0.916)	4405462	200.000	200(A)
97	2-Chlorotoluene	91	9.450	9.450	(0.928)	2899464	200.000	200
98	4-Chlorotoluene	91	9.598	9.598	(0.943)	3036564	200.000	200
99	1,3,5-Trimethylbenzene	105	9.499	9.499	(0.933)	2880384	200.000	200
100	tert-Butylbenzene	119	9.765	9.765	(0.959)	2424932	200.000	200
101	1,2,4-Trimethylbenzene	105	9.834	9.834	(0.966)	3021021	200.000	200(A)
102	sec-Butylbenzene	105	9.922	9.922	(0.975)	2970631	200.000	200(A)
103	4-Isopropyltoluene	119	10.050	10.050	(0.987)	2918701	200.000	200(A)
104	1,3-Dichlorobenzene	146	10.109	10.109	(0.993)	2080568	200.000	200
105	1,4-Dichlorobenzene	146	10.188	10.188	(1.001)	2167044	200.000	200(A)
106	1,2-Dichlorobenzene	146	10.552	10.552	(1.037)	2056923	200.000	200(A)
107	Benzyl Chloride	126	10.404	10.404	(1.022)	539088	200.000	210(A)
108	n-Butylbenzene	91	10.414	10.414	(1.023)	4751545	200.000	210(A)
111	1,2-Dibromo-3-chloropropane	75	11.251	11.251	(1.105)	315594	200.000	210(A)
112	Nitrobenzene	77	11.742	11.742	(1.154)	1098580	2000.00	2900(A)
113	1,2,4-Trichlorobenzene	180	11.861	11.861	(1.165)	929801	200.000	210(A)
114	Hexachlorobutadiene	225	11.841	11.841	(1.163)	510233	200.000	200
115	Naphthalene	128	12.136	12.136	(1.192)	3175877	200.000	220(A)
116	1,2,3-Trichlorobenzene	180	12.303	12.303	(1.209)	832700	200.000	210(A)
$ 117	Bromofluorobenzene	95	9.204	9.204	(0.904)	932690	200.000	190
M 118	1,2-Dichloroethene (total)	100				2287502	400.000	400
M 119	Xylene (total)	100				4706160	600.000	580

QC Flag Legend

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

Data File: \\TARGET1_CT\FILES\chem\VOA\msl.i\L051538.b\L1545.D
Date : 22-JUN-2005 17:45
Client ID: VSTD200LN
Sample Info: VSTD200LN
Purge Volume: 5.0
Column phase: RTX-624
Instrument: msl.i
Operator: D. HUMBERT
Column diameter: 0.53
\\TARGET1_CT\FILES\chem\VOA\msl.i\L051538.b\L1545.D
Y (x10^7)
Min
-Dichlorodifluoromethane
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Ethyl Ether
-Freon 123a+
-Carbon Disulfide
-Iodomethane
-Acrolein
-3-Chloro-1-Propene
-Methylene Chloride
-trans-1,2-Dichloroethene+
-Methyl tert-Butyl Ether
tert-Butyl alcohol
-Acetonitrile
-Isopropyl ether
-Acrylonitrile+
-tert-Butyl ethyl ether+
-cis-1,2-Dichloroethene
-2,2-Dichloropropane
-Bromochloromethane+
-Chloroform
-Ethyl acetate+tetrahydrofuran
-1,1,1-Trichloroethane
-2-Butanone
-1,1-Dichloropropene
-tert-Butyl formate
-Propionitrile+Benzene
-2-Methyl-2-Propanol+tert-Amyl Methyl ether+
-Isobutyl alcohol+
-Fluorobenzene
-Methyl Cyclohexane+
-Dibromomethane
-1,2-Dichloropropane
-Bromodichloromethane
-Methyl Methacrylate
-1,4-Dioxane
-2-Chloroethylvinylether
-cis-1,3-Dichloropropene
-Toluene-d8
-Toluene
-Chloroacetonitrile
-2-Nitropropane+1,1-Dichloro-2-propanone
-4-Methyl-2-Pentanone+trans-1,3-Dichloropropene+
-1,1,2-Trichloroethane+
-Dibromochloromethane+1,3-Dichloropropane
-1,2-Dibromoethane
-2-Hexanone
-Chlorobenzene-d5+
-Ethylbenzene
-1,1,1,2-Tetrachloroethane
Xylene (total)mp
-Xylene (total)o
-Styrene
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-Bromobenzene+Propylbenzene
-1,1,2,2-Tetrachloroethane+2-Chlorotoluene
-1,2,3-Trichloropropane+
-trans-4-Chlorotoluene
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-1,3-Dichlorobenzene+4-Isopropyltoluene
-1,4-Dichlorobenzene-d4+
-Benzyl Chloride+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-Nitrobenzene
-1,2,4-Trichlorobenzene+
-Naphthalene
-1,2,3-Trichlorobenzene

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSW Calibration Date(s): 05/16/05 05/16/05

Heated Purge: (Y/N) N Calibration Time(s): 1329 1744

GC Column: RTX-624 ID: 0.53 (mm)

LAB FILE ID: RRF0.5=W0004 RRF2 =W0003
RRF5 =W0002 RRF20 =W0001 RRF50 =W0006

	COMPOUND	RRF0.5	RRF2	RRF5	RRF20	RRF50	$\overline{RRF}$	% RSD	
	Dichlorodifluoromethane	0.293	0.228	0.248	0.246	0.238			
*	Chloromethane	0.491	0.438	0.441	0.445	0.425			*
	Vinyl Chloride	0.366	0.316	0.326	0.312	0.316			
	Bromomethane	0.125	0.130	0.130	0.109	0.108			
	Chloroethane	0.171	0.172	0.176	0.169	0.155			
	Trichlorofluoromethane	0.361	0.365	0.399	0.373	0.360			
	Ethyl Ether	0.253	0.218	0.233	0.225	0.225			
	Freon 141	0.455	0.472	0.484	0.467	0.473			
	Freon 123a	0.078	0.060	0.064	0.060	0.059			
	Trichlorotrifluoroethane	0.290	0.275	0.265	0.276	0.259			
*	Acrolein	0.012	0.009	0.008	0.006	0.010			*
	1,1-Dichloroethene	0.251	0.239	0.231	0.233	0.226			
	Acetone		0.224	0.151	0.416	0.100			
	Iodomethane	0.289	0.260	0.257	0.256	0.305			
	Carbon Disulfide	0.875	0.860	0.874	0.880	0.872			
	3-Chloro-1-Propene	0.615	0.579	0.572	0.578	0.573			
*	tert-Butyl alcohol	0.056	0.044	0.043	0.048	0.043			*
	Methylene Chloride		0.366	0.307	0.369	0.269			
	Methyl tert-Butyl Ether	0.938	0.870	0.850	0.846	0.882			
	Ethyl Acetate	0.226	0.220	0.204	0.216	0.219			
	trans-1,2-Dichloroethene	0.297	0.274	0.276	0.278	0.273			
	Acrylonitrile	0.157	0.146	0.143	0.159	0.131			
*	Isopropyl ether	1.317	1.316	1.337	1.341	1.364			*
*	1,1-Dichloroethane	0.573	0.580	0.583	0.578	0.578			*
*	tert-Butyl ethyl ether	1.071	1.106	1.084	1.094	1.125			*
	2,2-Dichloropropane	0.492	0.470	0.458	0.464	0.444			
	cis-1,2-Dichloroethene	0.304	0.318	0.302	0.301	0.299			
	2-Butanone		0.452	0.254	0.204	0.166			
	Methyl Acrylate	0.304	0.280	0.287	0.294	0.311			
	Propionitrile	0.049	0.049	0.049	0.051	0.050			
	Bromochloromethane	0.140	0.127	0.128	0.126	0.125			
	2-Methyl-2-Propenenitrile	0.269	0.202	0.207	0.208	0.216			
	Tetrahydrofuran	0.111	0.124	0.112	0.126	0.128			
	Chloroform	0.497	0.483	0.491	0.489	0.493			
*	tert-Butyl formate	0.382	0.124	0.081	0.062	0.041			*
	1,1,1-Trichloroethane	0.485	0.419	0.431	0.436	0.440			
	1-Chlorobutane	0.784	0.755	0.763	0.758	0.760			

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSW Calibration Date(s): 05/16/05 05/16/05

Heated Purge: (Y/N) N Calibration Time(s): 1329 1744

GC Column: RTX-624 ID: 0.53 (mm)

LAB FILE ID: RRF0.5=W0004 RRF2 =W0003
RRF5 =W0002 RRF20 =W0001 RRF50 =W0006

	COMPOUND	RRF0.5	RRF2	RRF5	RRF20	RRF50	$\overline{RRF}$	% RSD	
	Carbon Tetrachloride	0.383	0.383	0.373	0.374	0.374			
*	Chloroacetonitrile	0.013	0.014	0.013	0.013	0.014			*
	1,1-Dichloropropene	0.425	0.420	0.410	0.422	0.420			
	Benzene	1.360	1.244	1.264	1.335	1.261			
*	tert-Amyl methyl ether	0.944	0.937	0.908	0.924	0.952			*
	1,2-Dichloroethane	0.460	0.403	0.390	0.401	0.410			
	2-Chloro-1,3-Butadiene	0.230	0.227	0.228	0.228	0.229			
	Vinyl Acetate	0.831	0.856	0.808	0.833	0.826			
*	2,4,4-Trimethyl 1-Pentene								*
	Trichloroethene	0.376	0.304	0.300	0.435	0.286			
*	2,4,4-Trimethyl 2-Pentene								*
	1,2-Dichloropropane	0.313	0.338	0.323	0.327	0.326			
	Methyl Methacrylate	0.184	0.196	0.184	0.194	0.203			
*	1,4-Dioxane	0.004	0.003	0.003	0.003	0.003			*
	Dibromomethane	0.166	0.157	0.152	0.154	0.155			
	Bromodichloromethane	0.363	0.345	0.356	0.362	0.366			
	2-Nitropropane	0.089	0.086	0.082	0.081	0.084			
*	2-Chloroethylvinylether	0.055	0.063	0.054	0.058	0.057			*
	cis-1,3-Dichloropropene	0.471	0.479	0.467	0.482	0.487			
	trans-1,3-Dichloropropene	0.433	0.461	0.445	0.443	0.446			
	1,1,2-Trichloroethane	0.268	0.223	0.234	0.232	0.234			
	4-Methyl-2-Pentanone		0.455	0.431	0.504	0.465			
	Toluene	1.884	1.797	1.796	2.058	1.824			
	Ethyl Methacrylate	0.491	0.481	0.477	0.491	0.528			
	Tetrachloroethene	0.355	0.331	0.323	0.322	0.320			
	1,3-Dichloropropane	0.626	0.590	0.604	0.609	0.616			
	2-Hexanone		0.351	0.319	0.316	0.322			
	Dibromochloromethane	0.317	0.314	0.332	0.346	0.351			
	1,2-Dibromoethane	0.334	0.292	0.311	0.307	0.314			
	1,1-Dichloro-2-propanone	0.239	0.223	0.217	0.221	0.246			
	1-Chlorohexane	2.016	1.987	2.084	2.105	2.120			
*	Chlorobenzene	1.080	1.082	1.102	1.108	1.076			*
	1,1,1,2-Tetrachloroethane	0.331	0.369	0.366	0.367	0.365			
	Ethylbenzene	0.634	0.586	0.617	0.630	0.621			
	Xylene (total)mp	0.757	0.784	0.786	0.822	0.808			
	Xylene (total)o	0.764	0.745	0.768	0.789	0.765			
	Styrene	1.223	1.225	1.288	1.398	1.335			

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSW Calibration Date(s): 05/16/05 05/16/05

Heated Purge: (Y/N) N Calibration Time(s): 1329 1744

GC Column: RTX-624 ID: 0.53 (mm)

LAB FILE ID: RRF0.5=W0004 RRF2 =W0003
RRF5 =W0002 RRF20 =W0001 RRF50 =W0006

	COMPOUND	RRF0.5	RRF2	RRF5	RRF20	RRF50	$\overline{RRF}$	% RSD	
*	Bromoform	0.194	0.205	0.215	0.227	0.234			*
	Isopropylbenzene	3.517	3.558	3.604	3.711	3.660			
*	1,1,2,2-Tetrachloroethane	0.755	0.643	0.662	0.723	0.680			*
	Bromobenzene	0.821	0.802	0.791	0.818	0.788			
	1,2,3-Trichloropropane	0.272	0.230	0.211	0.221	0.229			
	trans-1,4-Dichloro-2-Butene	0.174	0.216	0.216	0.214	0.214			
	n-Propylbenzene	4.289	4.376	4.450	4.599	4.554			
	2-Chlorotoluene	2.587	2.580	2.588	2.630	2.613			
	4-Chlorotoluene	2.773	2.668	2.730	2.762	2.763			
	1,3,5-Trimethylbenzene	3.166	3.155	3.224	3.294	3.273			
	tert-Butylbenzene	2.637	2.591	2.685	2.707	2.655			
	1,2,4-Trimethylbenzene	3.211	3.256	3.339	3.396	3.345			
	sec-Butylbenzene	4.158	3.975	4.150	4.270	4.245			
	4-Isopropyltoluene	3.423	3.413	3.554	3.674	3.603			
	1,3-Dichlorobenzene	1.681	1.710	1.743	1.705	1.682			
	1,4-Dichlorobenzene	1.970	1.816	1.792	1.768	1.709			
	1,2-Dichlorobenzene	1.733	1.669	1.706	1.669	1.640			
	Benzyl Chloride	0.359	0.364	0.346	0.362	0.345			
*	Pentachloroethane								*
	n-Butylbenzene	3.774	3.777	3.865	3.988	3.938			
*	Hexachloroethane								*
	1,2-Dibromo-3-chloropropane	0.203	0.155	0.162	0.163	0.171			
	Nitrobenzene	0.039	0.049	0.056	0.060	0.064			
	1,2,4-Trichlorobenzene	1.355	1.245	1.256	1.276	1.238			
	Hexachlorobutadiene	0.710	0.658	0.633	0.638	0.596			
	Naphthalene	2.580	2.667	2.794	5.042	3.035			
	1,2,3-Trichlorobenzene	1.234	1.109	1.135	1.156	1.151			
	Xylene (total)	0.759	0.771	0.780	0.811	0.793			
	1,2-Dichloroethene (total)	0.300	0.296	0.288	0.289	0.286			
	Methyl Cyclohexane	0.541	0.552	0.558	0.572	0.544			
	Cyclohexane	0.480	0.510	0.489	0.484	0.466			
	Methyl Acetate	0.481	0.406	0.401	0.455	0.423			
*	Heptane								*
*	Acetonitrile	0.058	0.054	0.053	0.288	0.045			*
*	Isobutyl alcohol	0.022	0.025	0.022	0.025	0.026			*
	n-Butyl Acetate								
	Dichlorofluoromethane	0.149	0.157	0.178	0.174	0.169			

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSW Calibration Date(s): 05/16/05 05/16/05

Heated Purge: (Y/N) N Calibration Time(s): 1329 1744

GC Column: RTX-624 ID: 0.53 (mm)

LAB FILE ID: RRF0.5=W0004 RRF2 =W0003
RRF5 =W0002 RRF20 =W0001 RRF50 =W0006

COMPOUND	RRF0.5	RRF2	RRF5	RRF20	RRF50	$\overline{RRF}$	%RSD
1-Bromopropane							
Dibromofluoromethane	0.275	0.250	0.247	0.215	0.256		
1,2-Dichloroethane-d4	0.347	0.332	0.330	0.288	0.348		
Toluene-d8	1.501	1.509	1.501	1.308	1.555		
Bromofluorobenzene	1.360	1.131	1.078	0.914	1.024		

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSW Calibration Date(s): 05/16/05 05/16/05

Heated Purge: (Y/N) N Calibration Time(s): 1329 1744

GC Column: RTX-624 ID: 0.53 (mm)

LAB FILE ID: RRF100=W0007

COMPOUND		RRF100						$\overline{RRF}$	% RSD	
Dichlorodifluoromethane		0.248						0.250	8.9	
Chloromethane	*	0.446						0.448	5.1*	
Vinyl Chloride		0.336						0.329	6.1	
Bromomethane		0.121						0.120	8.3	
Chloroethane		0.157						0.167	5.1	
Trichlorofluoromethane		0.370						0.371	3.8	
Ethyl Ether		0.242						0.233	5.6	
Freon 141		0.502						0.476	3.4	
Freon 123a		0.062						0.064	11.1	
Trichlorotrifluoroethane		0.274						0.273	3.9	
Acrolein	*	0.022						0.011	53.7*	<-
1,1-Dichloroethene		0.240						0.237	3.8	
Acetone		0.107						0.200	65.3	
Iodomethane		0.339						0.284	11.7	
Carbon Disulfide		0.946						0.884	3.5	
3-Chloro-1-Propene		0.613						0.588	3.4	
tert-Butyl alcohol	*	0.048						0.047	10.8*	
Methylene Chloride		0.286						0.319	14.4	
Methyl tert-Butyl Ether		0.957						0.890	5.2	
Ethyl Acetate		0.234						0.220	4.6	
trans-1,2-Dichloroethene		0.289						0.281	3.5	
Acrylonitrile		0.142						0.146	7.1	
Isopropyl ether	*	1.423						1.350	3.0*	
1,1-Dichloroethane	*	0.623						0.586	3.2*	
tert-Butyl ethyl ether	*	1.224						1.117	5.0*	
2,2-Dichloropropane		0.469						0.466	3.4	
cis-1,2-Dichloroethene		0.317						0.307	2.8	
2-Butanone		0.172						0.250	47.5	
Methyl Acrylate		0.331						0.301	6.1	
Propionitrile		0.054						0.050	4.3	
Bromochloromethane		0.130						0.129	4.3	
2-Methyl-2-Propenenitrile		0.232						0.222	11.3	
Tetrahydrofuran		0.138						0.123	8.3	
Chloroform		0.533						0.498	3.6	
tert-Butyl formate	*	0.043						0.122	107.0*	<-
1,1,1-Trichloroethane		0.472						0.447	5.7	
1-Chlorobutane		0.831						0.775	3.8	

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSW Calibration Date(s): 05/16/05 05/16/05

Heated Purge: (Y/N) N Calibration Time(s): 1329 1744

GC Column: RTX-624 ID: 0.53 (mm)

LAB FILE ID: RRF100=W0007

COMPOUND		RRF100						RRF	% RSD	
Carbon Tetrachloride		0.396						0.380	2.3	
Chloroacetonitrile	*	0.014						0.014	3.9*	
1,1-Dichloropropene		0.450						0.424	3.1	
Benzene		1.305						1.295	3.6	
tert-Amyl methyl ether	*	1.036						0.950	4.7*	
1,2-Dichloroethane		0.438						0.417	6.3	
2-Chloro-1,3-Butadiene		0.238						0.230	1.9	
Vinyl Acetate		0.881						0.839	3.0	
2,4,4-Trimethyl 1-Pentene	*									*<-
Trichloroethene		0.300						0.334	17.8	
2,4,4-Trimethyl 2-Pentene	*									*<-
1,2-Dichloropropane		0.344						0.328	3.4	
Methyl Methacrylate		0.218						0.196	6.5	
1,4-Dioxane	*	0.003						0.003	11.8*	
Dibromomethane		0.163						0.158	3.5	
Bromodichloromethane		0.392						0.364	4.3	
2-Nitropropane		0.090						0.085	4.3	
2-Chloroethylvinylether	*	0.059						0.058	5.7*	
cis-1,3-Dichloropropene		0.518						0.484	3.7	
trans-1,3-Dichloropropene		0.480						0.451	3.7	
1,1,2-Trichloroethane		0.245						0.239	6.5	
4-Methyl-2-Pentanone		0.507						0.472	6.9	
Toluene		1.836						1.866	5.3	
Ethyl Methacrylate		0.575						0.507	7.4	
Tetrachloroethene		0.342						0.332	4.1	
1,3-Dichloropropane		0.669						0.619	4.4	
2-Hexanone		0.350						0.332	5.3	
Dibromochloromethane		0.381						0.340	7.4	
1,2-Dibromoethane		0.336						0.316	5.3	
1,1-Dichloro-2-propanone		0.275						0.237	9.2	
1-Chlorohexane		1.998						2.052	2.8	
Chlorobenzene	*	1.162						1.102	2.9*	
1,1,1,2-Tetrachloroethane		0.392						0.365	5.4	
Ethylbenzene		0.671						0.626	4.4	
Xylene (total)mp		0.841						0.800	3.8	
Xylene (total)o		0.838						0.778	4.2	
Styrene		1.472						1.324	7.5	

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSW Calibration Date(s): 05/16/05 05/16/05

Heated Purge: (Y/N) N Calibration Time(s): 1329 1744

GC Column: RTX-624 ID: 0.53 (mm)

LAB FILE ID: RRF100=W0007

COMPOUND		RRF100						$\overline{RRF}$	%RSD	
Bromoform	*	0.254						0.222	9.6	*
Isopropylbenzene		3.290						3.557	4.2	
1,1,2,2-Tetrachloroethane	*	0.743						0.701	6.6	*
Bromobenzene		0.842						0.810	2.5	
1,2,3-Trichloropropane		0.238						0.234	8.9	
trans-1,4-Dichloro-2-Butene		0.231						0.211	9.1	
n-Propylbenzene		3.515						4.297	9.3	
2-Chlorotoluene		2.746						2.624	2.4	
4-Chlorotoluene		2.853						2.758	2.2	
1,3,5-Trimethylbenzene		3.108						3.203	2.3	
tert-Butylbenzene		2.849						2.687	3.3	
1,2,4-Trimethylbenzene		3.107						3.276	3.2	
sec-Butylbenzene		3.451						4.042	7.6	
4-Isopropyltoluene		3.193						3.477	5.0	
1,3-Dichlorobenzene		1.829						1.725	3.2	
1,4-Dichlorobenzene		1.853						1.818	4.9	
1,2-Dichlorobenzene		1.760						1.696	2.6	
Benzyl Chloride		0.367						0.357	2.7	
Pentachloroethane	*									*<-
n-Butylbenzene		3.612						3.826	3.5	
Hexachloroethane	*									*<-
1,2-Dibromo-3-chloropropane		0.181						0.172	10.1	
Nitrobenzene		0.080						0.058	24.2	
1,2,4-Trichlorobenzene		1.293						1.277	3.4	
Hexachlorobutadiene		0.608						0.640	6.3	
Naphthalene		3.031						3.192	29.0	
1,2,3-Trichlorobenzene		1.216						1.167	4.1	
Xylene (total)		0.840						0.792	3.7	
1,2-Dichloroethene (total)		0.303						0.294	2.4	
Methyl Cyclohexane		0.576						0.557	2.6	
Cyclohexane		0.494						0.487	3.0	
Methyl Acetate		0.469						0.439	7.7	
Heptane	*									*<-
Acetonitrile	*	0.050						0.091	105.5	*<-
Isobutyl alcohol	*	0.028						0.025	8.3	*
n-Butyl Acetate										<-
Dichlorofluoromethane		0.178						0.168	7.1	

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSW Calibration Date(s): 05/16/05 05/16/05

Heated Purge: (Y/N) N Calibration Time(s): 1329 1744

GC Column: RTX-624 ID: 0.53 (mm)

LAB FILE ID: RRF100=W0007

COMPOUND	RRF100					$\overline{RRF}$	% RSD	
1-Bromopropane								<-
Dibromofluoromethane	0.262					0.251	8.0	
1,2-Dichloroethane-d4	0.361					0.334	7.6	
Toluene-d8	1.631					1.501	7.1	
Bromofluorobenzene	1.085					1.099	13.5	

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\Files\chem\VOA\msw.i\W050001.b\W0001.D
Lab Smp Id: VSTD020WA Client Smp ID: VSTD020WA
Inj Date : 16-MAY-2005 13:29 MS Autotune Date: 06-MAY-2005 08:32
Operator : M.Crowe Inst ID: msw.i
Smp Info : VSTD020WA
Misc Info :
Comment :
Method : \\TARGET1_CT\Files\chem\VOA\msw.i\W050001.b\W8260LOW.m
Meth Date : 17-May-2005 13:24 michael Quant Type: ISTD
Cal Date : 16-MAY-2005 13:29 Cal File: W0001.D
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: CONMSONT

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

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

M. Crowe 5/30/05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
*	1 Fluorobenzene	96	4.886	4.886	(1.000)	2827199	25.0000	(H)
	2 Dichlorodifluoromethane	85	1.232	1.237	(0.265)	557429	20.0000	20
	3 Chloromethane	50	1.377	1.377	(0.296)	1007316	20.0000	20
	4 Vinyl Chloride	62	1.436	1.435	(0.308)	706243	20.0000	19
	5 Bromomethane	94	1.682	1.682	(0.361)	247292	20.0000	18
	6 Chloroethane	64	1.778	1.772	(0.382)	382290	20.0000	20
	7 Trichlorofluoromethane	101	1.885	1.879	(0.405)	842747	20.0000	20
	8 Dichlorofluoromethane	67	1.933	1.933	(0.415)	393768	20.0000	21(H)
	9 Ethyl Ether	45	2.142	2.142	(0.460)	508246	20.0000	19(H)
	10 Freon 141	81	2.211	2.211	(0.475)	1056490	20.0000	20(H)
	11 Freon 123a	67	2.350	2.350	(0.505)	136800	20.0000	19(H)
	12 Trichlorotrifluoroethane	101	2.329	2.329	(0.500)	623899	20.0000	20
	13 1,1-Dichloroethene	96	2.297	2.291	(0.493)	526607	20.0000	20(H)
	14 Carbon Disulfide	76	2.313	2.307	(0.497)	1989979	20.0000	20
	15 Iodomethane	142	2.409	2.409	(0.517)	578443	20.0000	18
	16 3-Chloro-1-Propene	41	2.682	2.682	(0.576)	1307134	20.0000	20
	17 Methylene Chloride	84	2.768	2.768	(0.594)	834466	20.0000	23
	18 Acetone	43	2.821	2.816	(0.606)	941523	20.0000	42(H)
	19 trans-1,2-Dichloroethene	96	2.901	2.896	(0.623)	628940	20.0000	20
	20 Methyl tert-Butyl Ether	73	2.992	2.992	(0.643)	1914364	20.0000	19(H)
	21 Acrolein	56	2.580	2.575	(0.554)	64372	100.000	51(H)
	22 tert-Butyl alcohol	59	3.073	3.078	(0.660)	540001	100.000	100(H)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	23 Methyl Acetate	43	2.923	2.917	(0.628)	1029742	20.0000	21
	24 Acetonitrile	41	3.201	3.201	(0.688)	6509332	200.000	630(H)
	25 Isopropyl ether	45	3.303	3.302	(0.709)	3033320	20.0000	20
	26 tert-Butyl ethyl ether	59	3.602	3.602	(0.774)	2473240	20.0000	20
	27 Acrylonitrile	53	3.452	3.452	(0.742)	717726	40.0000	27(H)
	28 2-Chloro-1,3-Butadiene	88	3.383	3.377	(0.727)	514811	20.0000	20
	29 1,1-Dichloroethane	63	3.399	3.399	(0.730)	1306529	20.0000	20
	30 Vinyl Acetate	43	3.613	3.618	(0.776)	1884881	20.0000	20
	31 cis-1,2-Dichloroethene	96	3.838	3.837	(0.824)	680521	20.0000	20
	32 2,2-Dichloropropane	77	3.929	3.928	(0.844)	1050202	20.0000	20
	33 Bromochloromethane	128	3.998	3.998	(0.859)	285903	20.0000	20
	35 Chloroform	83	4.062	4.062	(0.872)	1105216	20.0000	20(H)
	36 Ethyl Acetate	43	4.175	4.174	(0.897)	974998	40.0000	39(H)
	37 Methyl Acrylate	55	4.180	4.180	(0.898)	664340	20.0000	20(H)
$	38 Dibromofluoromethane	111	4.212	4.212	(0.905)	609181	25.0000	21
	39 Tetrahydrofuran	42	4.185	4.185	(0.899)	572587	40.0000	41(H)
	40 1,1,1-Trichloroethane	97	4.228	4.228	(0.908)	984998	20.0000	19
	41 Carbon Tetrachloride	117	4.169	4.164	(0.895)	846177	20.0000	20(H)
	42 2-Butanone	43	4.324	4.324	(0.929)	462694	20.0000	16(H)
	43 1,1-Dichloropropene	75	4.330	4.330	(0.930)	955465	20.0000	20(H)
	44 Cyclohexane	84	3.993	3.993	(0.858)	1094001	20.0000	20(H)
	45 tert-Amyl methyl ether	73	4.640	4.640	(0.997)	2091122	20.0000	19
	46 tert-Butyl formate	57	4.431	4.431	(0.952)	141338	20.0000	10(H)
	47 1-Chlorobutane	56	4.378	4.378	(0.940)	1714231	20.0000	20(H)
	48 Propionitrile	54	4.571	4.576	(0.982)	1160591	200.000	200(H)
	49 Isobutyl alcohol	42	4.185	4.185	(0.899)	567753	200.000	200(H)
	50 Benzene	78	4.538	4.533	(0.975)	3019175	20.0000	21(H)
	51 2-Methyl-2-Propenenitrile	41	4.587	4.586	(0.985)	469526	20.0000	19(H)
$	52 1,2-Dichloroethane-d4	65	4.651	4.651	(0.999)	814830	25.0000	22
	53 1,2-Dichloroethane	62	4.710	4.709	(1.011)	907051	20.0000	19
	57 Methyl Cyclohexane	83	5.015	5.014	(1.077)	1294470	20.0000	20
	58 Trichloroethene	130	5.025	5.025	(1.079)	984164	20.0000	26
	59 Dibromomethane	93	5.384	5.384	(1.156)	348988	20.0000	20
	60 1,2-Dichloropropane	63	5.480	5.480	(1.177)	739199	20.0000	20
	61 Bromodichloromethane	83	5.534	5.533	(1.188)	818928	20.0000	20(H)
	62 Methyl Methacrylate	69	5.689	5.688	(1.222)	875583	40.0000	39(H)
	63 1,4-Dioxane	58	5.715	5.715	(1.227)	375006	1000.00	1000(H)
	64 2-Chloroethylvinylether	63	6.052	6.052	(1.300)	130381	20.0000	20
	65 cis-1,3-Dichloropropene	75	6.095	6.095	(1.309)	1089511	20.0000	20
	66 2-Nitropropane	41	6.539	6.539	(1.404)	366294	40.0000	38(H)
	67 Chloroacetonitrile	48	6.454	6.453	(1.386)	595189	400.000	390(H)
	68 trans-1,3-Dichloropropene	75	6.700	6.700	(1.439)	1001185	20.0000	20(H)
	69 1,1,2-Trichloroethane	97	6.850	6.849	(1.471)	523701	20.0000	19(H)
*	70 Chlorobenzene-d5	117	7.727	7.727	(1.000)	2067379	25.0000	
	71 Toluene	91	6.309	6.309	(0.817)	3403488	20.0000	22
$	72 Toluene-d8	98	6.266	6.266	(0.811)	2704079	25.0000	22
	73 1,1-Dichloro-2-propanone	43	6.545	6.544	(0.847)	1824270	100.000	93(H)
	74 4-Methyl-2-Pentanone	43	6.678	6.678	(0.864)	834387	20.0000	21(H)
	75 Tetrachloroethene	164	6.657	6.657	(0.862)	532341	20.0000	19
	76 Ethyl Methacrylate	69	6.866	6.865	(0.889)	812834	20.0000	19(H)
	77 Dibromochloromethane	129	7.005	7.004	(0.907)	572579	20.0000	20
	78 1,3-Dichloropropane	76	7.106	7.106	(0.920)	1007948	20.0000	20
	79 1,2-Dibromoethane	107	7.224	7.229	(0.935)	508458	20.0000	19
	81 2-Hexanone	43	7.475	7.475	(0.967)	522337	20.0000	19(H)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
82	1-Chlorohexane	91	7.780	7.775	(1.007)	3481746	20.0000	20(H)
83	Chlorobenzene	112	7.743	7.743	(1.002)	1833026	20.0000	20
84	1,1,1,2-Tetrachloroethane	131	7.812	7.812	(1.011)	606721	20.0000	20(H)
85	Ethylbenzene	106	7.780	7.780	(1.007)	1042743	20.0000	20
86	Xylene (total)mp	106	7.930	7.930	(1.026)	2719668	40.0000	41(H)
87	Xylene (total)o	106	8.358	8.363	(1.082)	1305628	20.0000	20
88	Styrene	104	8.417	8.417	(1.089)	2311482	20.0000	21(H)
89	Bromoform	173	8.422	8.427	(1.090)	375467	20.0000	20
* 90	1,4-Dichlorobenzene-d4	152	10.172	10.171	(1.000)	1232830	25.0000	
91	Isopropylbenzene	105	8.690	8.684	(0.854)	3659957	20.0000	21
92	1,1,2,2-Tetrachloroethane	83	9.203	9.203	(0.905)	713031	20.0000	21(H)
93	Bromobenzene	156	9.070	9.069	(0.892)	807263	20.0000	20
94	1,2,3-Trichloropropane	110	9.337	9.337	(0.918)	217922	20.0000	19
95	trans-1,4-Dichloro-2-Butene	53	9.396	9.396	(0.924)	422188	40.0000	41(H)
96	n-Propylbenzene	91	9.123	9.118	(0.897)	4535872	20.0000	21(H)
97	2-Chlorotoluene	91	9.273	9.273	(0.912)	2593949	20.0000	20(H)
98	4-Chlorotoluene	91	9.455	9.455	(0.930)	2724474	20.0000	20(H)
99	1,3,5-Trimethylbenzene	105	9.343	9.342	(0.918)	3248739	20.0000	20(H)
100	tert-Butylbenzene	119	9.680	9.679	(0.952)	2669827	20.0000	20(H)
101	1,2,4-Trimethylbenzene	105	9.760	9.754	(0.960)	3349867	20.0000	21(H)
102	sec-Butylbenzene	105	9.872	9.867	(0.971)	4211754	20.0000	21(H)
103	4-Isopropyltoluene	119	10.038	10.038	(0.987)	3623356	20.0000	21(H)
104	1,3-Dichlorobenzene	146	10.086	10.091	(0.992)	1681460	20.0000	20
105	1,4-Dichlorobenzene	146	10.188	10.188	(1.002)	1743762	20.0000	19(H)
106	1,2-Dichlorobenzene	146	10.648	10.653	(1.047)	1646287	20.0000	20
107	Benzyl Chloride	126	10.477	10.476	(1.030)	356609	20.0000	20(H)
108	n-Butylbenzene	91	10.509	10.498	(1.033)	3932877	20.0000	21(H)
111	1,2-Dibromo-3-chloropropane	75	11.563	11.562	(1.137)	160441	20.0000	19
112	Nitrobenzene	77	12.221	12.220	(1.201)	587477	200.000	210(H)
113	1,2,4-Trichlorobenzene	180	12.349	12.354	(1.214)	1258464	20.0000	20
114	Hexachlorobutadiene	225	12.338	12.338	(1.213)	629017	20.0000	20
115	Naphthalene	128	12.734	12.729	(1.252)	4972369	20.0000	32(H)
116	1,2,3-Trichlorobenzene	180	12.943	12.948	(1.272)	1139905	20.0000	20
$ 117	Bromofluorobenzene	95	8.968	8.973	(0.882)	1127040	25.0000	21
M 118	1,2-Dichloroethene (total)	100				1309461	40.0000	39
M 119	Xylene (total)	100				4025296	60.0000	61

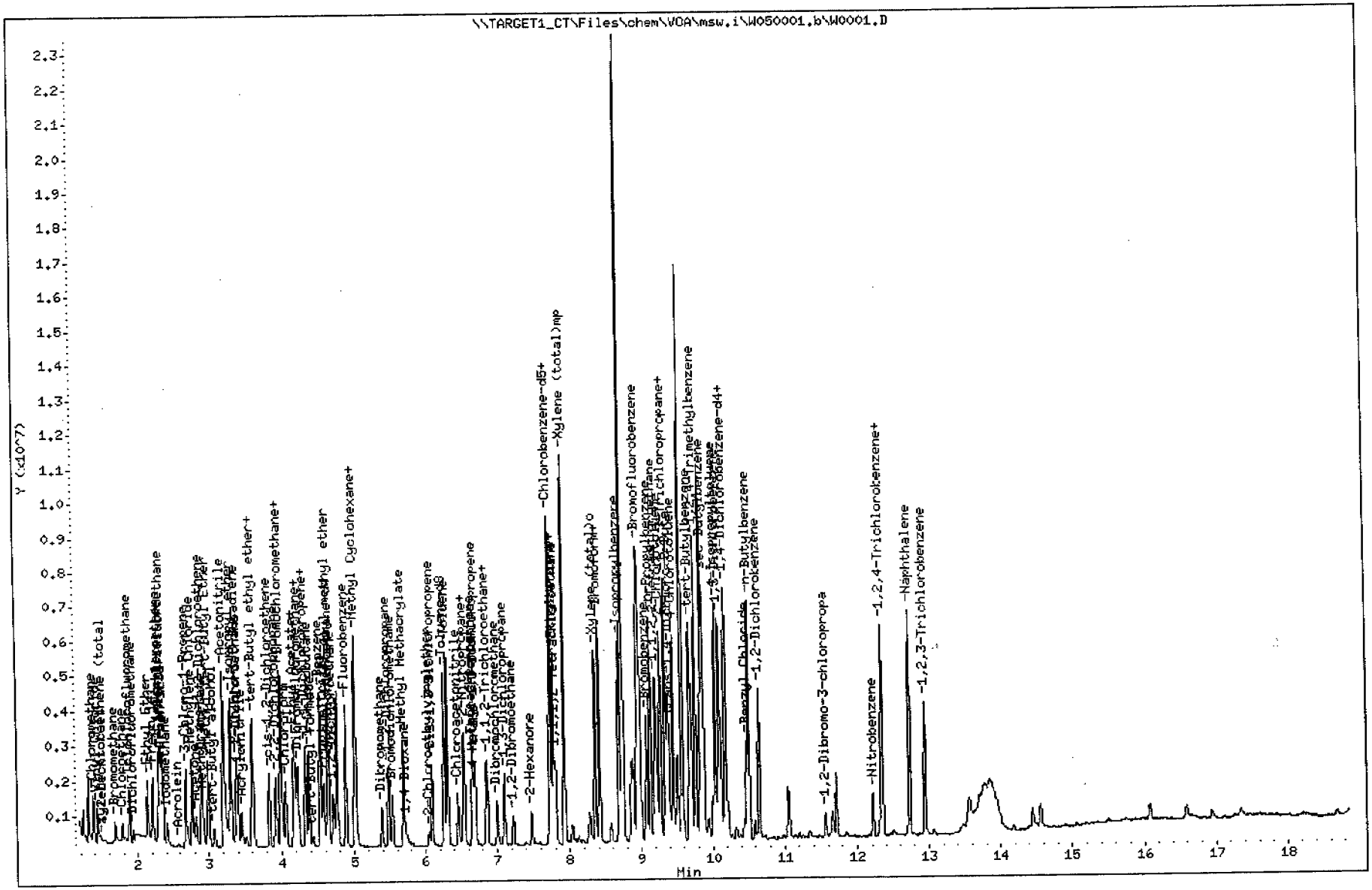
QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: \\TARGET1_CT\Files\chem\VOA\msw.i\W050001.b\W0001.D
Date : 16-MAY-2005 13:29
Client ID: VSTD020WA
Sample Info: VSTD020WA
Purge Volume: 5.0
Column phase: RTX-624

Instrument: msw.i

Operator: M.Crowe
Column diameter: 0.53



STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\Files\chem\VOA\msw.i\W050001.b\W0002.D
Lab Smp Id: VSTD005WA Client Smp ID: VSTD005WA
Inj Date : 16-MAY-2005 15:27 MS Autotune Date: 06-MAY-2005 08:32
Operator : M.Crowe Inst ID: msw.i
Smp Info : VSTD005WA
Misc Info :
Comment :
Method : \\TARGET1_CT\Files\chem\VOA\msw.i\W050001.b\W8260LOW.m
Meth Date : 17-May-2005 13:24 michael Quant Type: ISTD
Cal Date : 16-MAY-2005 15:27 Cal File: W0002.D
Als bottle: 7 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: CONMSONT

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

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

M. Crowe 5/30/05

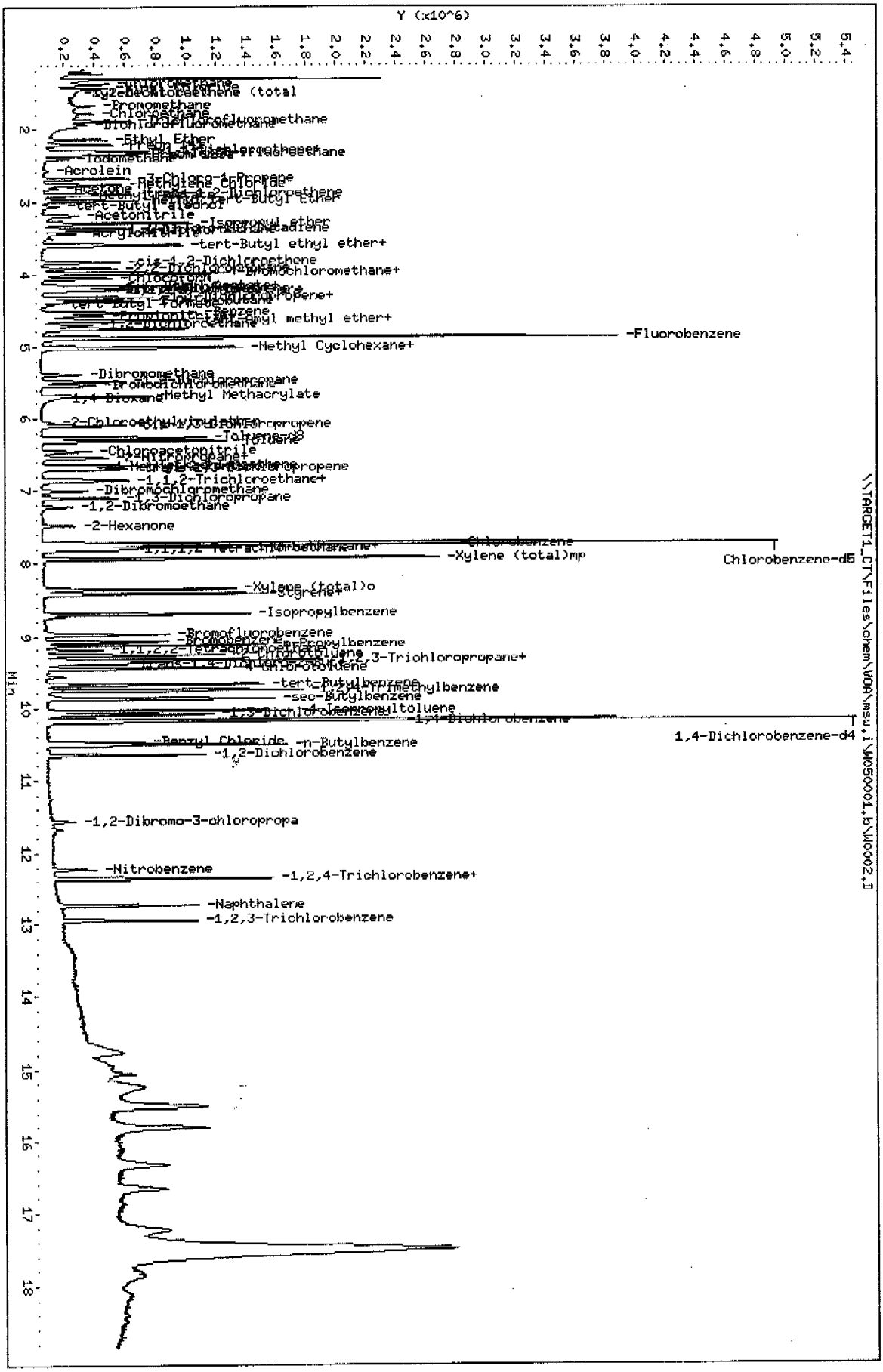
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 1 Fluorobenzene	96	4.886	4.886	(1.000)	2806317	25.0000	
2 Dichlorodifluoromethane	85	1.232	1.237	(0.252)	139017	5.00000	5
3 Chloromethane	50	1.377	1.377	(0.282)	247626	5.00000	5
4 Vinyl Chloride	62	1.436	1.435	(0.294)	183189	5.00000	5
5 Bromomethane	94	1.682	1.682	(0.344)	72839	5.00000	5
6 Chloroethane	64	1.778	1.772	(0.364)	98889	5.00000	5(M)
7 Trichlorofluoromethane	101	1.885	1.879	(0.386)	223741	5.00000	5
8 Dichlorofluoromethane	67	1.933	1.933	(0.396)	99957	5.00000	5
9 Ethyl Ether	45	2.136	2.142	(0.437)	130588	5.00000	5
10 Freon 141	81	2.211	2.211	(0.453)	271881	5.00000	5
11 Freon 123a	67	2.345	2.350	(0.480)	35887	5.00000	5
12 Trichlorotrifluoroethane	101	2.329	2.329	(0.477)	148882	5.00000	5
13 1,1-Dichloroethene	96	2.292	2.291	(0.469)	129442	5.00000	5
14 Carbon Disulfide	76	2.308	2.307	(0.472)	490879	5.00000	5
15 Iodomethane	142	2.409	2.409	(0.493)	144359	5.00000	4
16 3-Chloro-1-Propene	41	2.682	2.682	(0.549)	321074	5.00000	5
17 Methylene Chloride	84	2.768	2.768	(0.566)	172277	5.00000	5
18 Acetone	43	2.816	2.816	(0.576)	84891	5.00000	4
19 trans-1,2-Dichloroethene	96	2.896	2.896	(0.593)	154719	5.00000	5
20 Methyl tert-Butyl Ether	73	2.987	2.992	(0.611)	476882	5.00000	5
21 Acrolein	56	2.575	2.575	(0.527)	21737	25.0000	17
22 tert-Butyl alcohol	59	3.073	3.078	(0.629)	120042	25.0000	23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	23 Methyl Acetate	43	2.917	2.917	(0.597)	225139	5.00000	4
	24 Acetonitrile	41	3.196	3.201	(0.654)	298746	50.0000	29
	25 Isopropyl ether	45	3.303	3.302	(0.676)	750512	5.00000	5
	26 tert-Butyl ethyl ether	59	3.597	3.602	(0.736)	608410	5.00000	5
	27 Acrylonitrile	53	3.452	3.452	(0.707)	160425	10.0000	7(H)
	28 2-Chloro-1,3-Butadiene	88	3.378	3.377	(0.691)	127702	5.00000	5
	29 1,1-Dichloroethane	63	3.399	3.399	(0.696)	327448	5.00000	5
	30 Vinyl Acetate	43	3.613	3.618	(0.739)	453731	5.00000	5
	31 cis-1,2-Dichloroethene	96	3.838	3.837	(0.785)	169231	5.00000	5
	32 2,2-Dichloropropane	77	3.923	3.928	(0.803)	256997	5.00000	5
	33 Bromochloromethane	128	3.993	3.998	(0.817)	71963	5.00000	5
	35 Chloroform	83	4.057	4.062	(0.830)	275695	5.00000	5
	36 Ethyl Acetate	43	4.175	4.174	(0.854)	229630	10.0000	9
	37 Methyl Acrylate	55	4.175	4.180	(0.854)	161051	5.00000	5
$	38 Dibromofluoromethane	111	4.207	4.212	(0.861)	138789	5.00000	5
	39 Tetrahydrofuran	42	4.185	4.185	(0.857)	126057	10.0000	9
	40 1,1,1-Trichloroethane	97	4.228	4.228	(0.865)	241939	5.00000	5
	41 Carbon Tetrachloride	117	4.164	4.164	(0.852)	209518	5.00000	5
	42 2-Butanone	43	4.319	4.324	(0.884)	142572	5.00000	5(H)
	43 1,1-Dichloropropene	75	4.324	4.330	(0.885)	230299	5.00000	5
	44 Cyclohexane	84	3.993	3.993	(0.817)	274666	5.00000	5
	45 tert-Amyl methyl ether	73	4.635	4.640	(0.949)	509427	5.00000	5
	46 tert-Butyl formate	57	4.426	4.431	(0.906)	45598	5.00000	3
	47 1-Chlorobutane	56	4.373	4.378	(0.895)	428240	5.00000	5
	48 Propionitrile	54	4.571	4.576	(0.935)	274296	50.0000	48
	49 Isobutyl alcohol	42	4.185	4.185	(0.857)	126057	50.0000	46
	50 Benzene	78	4.533	4.533	(0.928)	709675	5.00000	5
	51 2-Methyl-2-Propenenitrile	41	4.587	4.586	(0.939)	116299	5.00000	5
$	52 1,2-Dichloroethane-d4	65	4.651	4.651	(0.952)	185513	5.00000	5
	53 1,2-Dichloroethane	62	4.710	4.709	(0.964)	218881	5.00000	5
	57 Methyl Cyclohexane	83	5.009	5.014	(1.025)	313356	5.00000	5
	58 Trichloroethene	130	5.020	5.025	(1.027)	168297	5.00000	4
	59 Dibromomethane	93	5.384	5.384	(1.102)	85113	5.00000	5
	60 1,2-Dichloropropane	63	5.475	5.480	(1.120)	181088	5.00000	5
	61 Bromodichloromethane	83	5.528	5.533	(1.131)	200072	5.00000	5
	62 Methyl Methacrylate	69	5.683	5.688	(1.163)	206916	10.0000	9
	63 1,4-Dioxane	58	5.721	5.715	(1.171)	83532	250.000	240
	64 2-Chloroethylvinylether	63	6.047	6.052	(1.238)	30418	5.00000	5
	65 cis-1,3-Dichloropropene	75	6.095	6.095	(1.247)	262021	5.00000	5
	66 2-Nitropropane	41	6.534	6.539	(1.337)	92168	10.0000	10
	67 Chloroacetonitrile	48	6.454	6.453	(1.321)	148017	100.000	98
	68 trans-1,3-Dichloropropene	75	6.700	6.700	(1.371)	249569	5.00000	5
	69 1,1,2-Trichloroethane	97	6.850	6.849	(1.402)	131189	5.00000	5
*	70 Chlorobenzene-d5	117	7.727	7.727	(1.000)	2030935	25.0000	
	71 Toluene	91	6.309	6.309	(0.817)	729497	5.00000	5
$	72 Toluene-d8	98	6.266	6.266	(0.811)	609762	5.00000	5
	73 1,1-Dichloro-2-propanone	43	6.545	6.544	(0.847)	441144	25.0000	23
	74 4-Methyl-2-Pentanone	43	6.678	6.678	(0.864)	175220	5.00000	4
	75 Tetrachloroethene	164	6.657	6.657	(0.862)	131051	5.00000	5
	76 Ethyl Methacrylate	69	6.866	6.865	(0.889)	193598	5.00000	5
	77 Dibromochloromethane	129	7.005	7.004	(0.907)	135017	5.00000	5
	78 1,3-Dichloropropane	76	7.101	7.106	(0.919)	245181	5.00000	5
	79 1,2-Dibromoethane	107	7.224	7.229	(0.935)	126343	5.00000	5
	81 2-Hexanone	43	7.475	7.475	(0.967)	129541	5.00000	5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
82	1-Chlorohexane	91	7.780	7.775	(1.007)	846585	5.00000	5
83	Chlorobenzene	112	7.743	7.743	(1.002)	447417	5.00000	5
84	1,1,1,2-Tetrachloroethane	131	7.812	7.812	(1.011)	148694	5.00000	5
85	Ethylbenzene	106	7.780	7.780	(1.007)	250476	5.00000	5
86	Xylene (total)mp	106	7.930	7.930	(1.026)	638701	10.0000	10
87	Xylene (total)o	106	8.358	8.363	(1.082)	311937	5.00000	5
88	Styrene	104	8.417	8.417	(1.089)	523316	5.00000	5
89	Bromoform	173	8.422	8.427	(1.090)	87306	5.00000	5
* 90	1,4-Dichlorobenzene-d4	152	10.172	10.171	(1.000)	1206740	25.0000	
91	Isopropylbenzene	105	8.690	8.684	(0.854)	869855	5.00000	5
92	1,1,2,2-Tetrachloroethane	83	9.203	9.203	(0.905)	159723	5.00000	5
93	Bromobenzene	156	9.070	9.069	(0.892)	190899	5.00000	5
94	1,2,3-Trichloropropane	110	9.332	9.337	(0.917)	50902	5.00000	4
95	trans-1,4-Dichloro-2-Butene	53	9.396	9.396	(0.924)	104171	10.0000	10
96	n-Propylbenzene	91	9.123	9.118	(0.897)	1073915	5.00000	5
97	2-Chlorotoluene	91	9.273	9.273	(0.912)	624646	5.00000	5
98	4-Chlorotoluene	91	9.455	9.455	(0.930)	658884	5.00000	5
99	1,3,5-Trimethylbenzene	105	9.342	9.342	(0.918)	778217	5.00000	5
100	tert-Butylbenzene	119	9.680	9.679	(0.952)	648042	5.00000	5
101	1,2,4-Trimethylbenzene	105	9.760	9.754	(0.960)	805787	5.00000	5
102	sec-Butylbenzene	105	9.872	9.867	(0.971)	1001612	5.00000	5
103	4-Isopropyltoluene	119	10.038	10.038	(0.987)	857748	5.00000	5
104	1,3-Dichlorobenzene	146	10.086	10.091	(0.992)	420740	5.00000	5
105	1,4-Dichlorobenzene	146	10.188	10.188	(1.002)	432601	5.00000	5
106	1,2-Dichlorobenzene	146	10.648	10.653	(1.047)	411693	5.00000	5
107	Benzyl Chloride	126	10.477	10.476	(1.030)	83419	5.00000	5
108	n-Butylbenzene	91	10.509	10.498	(1.033)	932730	5.00000	5
111	1,2-Dibromo-3-chloropropane	75	11.563	11.562	(1.137)	39078	5.00000	5
112	Nitrobenzene	77	12.221	12.220	(1.201)	134199	50.0000	48
113	1,2,4-Trichlorobenzene	180	12.349	12.354	(1.214)	303112	5.00000	5
114	Hexachlorobutadiene	225	12.338	12.338	(1.213)	152737	5.00000	5
115	Naphthalene	128	12.734	12.729	(1.252)	674249	5.00000	4
116	1,2,3-Trichlorobenzene	180	12.943	12.948	(1.272)	273890	5.00000	5
$ 117	Bromofluorobenzene	95	8.973	8.973	(0.882)	260171	5.00000	5
M 118	1,2-Dichloroethene (total)	100				323950	10.0000	10
M 119	Xylene (total)	100				950638	15.0000	15

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.



Data File: \\TARGET1_CT\Files\chem\VOA\msw.i\W050001.b\W0002.D
Date : 16-MAY-2005 15:27
Client ID: VSTD005WA
Sample Info: VSTD005WA
Purge Volume: 5.0
Column phase: RTX-624

Instrument: msw.i
Operator: M.Crowe
Column diameter: 0.53

Page 4

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\Files\chem\VOA\msw.i\W050001.b\W0003.D
Lab Smp Id: VSTD002WA Client Smp ID: VSTD002WA
Inj Date : 16-MAY-2005 15:54 MS Autotune Date: 06-MAY-2005 08:32
Operator : M.Crowe Inst ID: msw.i
Smp Info : VSTD002WA
Misc Info :
Comment :
Method : \\TARGET1_CT\Files\chem\VOA\msw.i\W050001.b\W8260LOW.m
Meth Date : 17-May-2005 13:24 michael Quant Type: ISTD
Cal Date : 16-MAY-2005 15:54 Cal File: W0003.D
Als bottle: 8 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: CONMSONT

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

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

M. Crowe 5/30/05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
*	1 Fluorobenzene	96	4.886	4.886	(1.000)	2726039	25.0000	
	2 Dichlorodifluoromethane	85	1.232	1.237	(0.252)	49762	2.00000	2
	3 Chloromethane	50	1.377	1.377	(0.282)	95494	2.00000	2
	4 Vinyl Chloride	62	1.436	1.435	(0.294)	68964	2.00000	2(M)
	5 Bromomethane	94	1.682	1.682	(0.344)	28467	2.00000	2
	6 Chloroethane	64	1.773	1.772	(0.363)	37579	2.00000	2
	7 Trichlorofluoromethane	101	1.885	1.879	(0.386)	79552	2.00000	2
	8 Dichlorofluoromethane	67	1.933	1.933	(0.396)	34229	2.00000	2
	9 Ethyl Ether	45	2.136	2.142	(0.437)	47605	2.00000	2
	10 Freon 141	81	2.211	2.211	(0.453)	102999	2.00000	2
	11 Freon 123a	67	2.350	2.350	(0.481)	13065	2.00000	2
	12 Trichlorotrifluoroethane	101	2.329	2.329	(0.477)	60035	2.00000	2
	13 1,1-Dichloroethene	96	2.291	2.291	(0.469)	52153	2.00000	2
	14 Carbon Disulfide	76	2.308	2.307	(0.472)	187681	2.00000	2
	15 Iodomethane	142	2.409	2.409	(0.493)	56712	2.00000	2
	16 3-Chloro-1-Propene	41	2.682	2.682	(0.549)	126191	2.00000	2
	17 Methylene Chloride	84	2.768	2.768	(0.566)	79909	2.00000	2
	18 Acetone	43	2.816	2.816	(0.576)	48821	2.00000	2
	19 trans-1,2-Dichloroethene	96	2.896	2.896	(0.593)	59849	2.00000	2
	20 Methyl tert-Butyl Ether	73	2.992	2.992	(0.612)	189672	2.00000	2
	21 Acrolein	56	2.575	2.575	(0.527)	9731	10.0000	8(M)
	22 tert-Butyl alcohol	59	3.078	3.078	(0.630)	47909	10.0000	9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
23	Methyl Acetate	43	2.917	2.917	(0.597)	88593	2.00000	2
24	Acetonitrile	41	3.196	3.201	(0.654)	117237	20.0000	12
25	Isopropyl ether	45	3.303	3.302	(0.676)	286921	2.00000	2
26	tert-Butyl ethyl ether	59	3.597	3.602	(0.736)	241269	2.00000	2
27	Acrylonitrile	53	3.452	3.452	(0.707)	63566	4.00000	3(H)
28	2-Chloro-1,3-Butadiene	88	3.383	3.377	(0.692)	49525	2.00000	2
29	1,1-Dichloroethane	63	3.399	3.399	(0.696)	126567	2.00000	2
30	Vinyl Acetate	43	3.613	3.618	(0.739)	186691	2.00000	2
31	cis-1,2-Dichloroethene	96	3.838	3.837	(0.785)	69319	2.00000	2
32	2,2-Dichloropropane	77	3.928	3.928	(0.804)	102514	2.00000	2
33	Bromochloromethane	128	3.993	3.998	(0.817)	27718	2.00000	2
35	Chloroform	83	4.062	4.062	(0.831)	105411	2.00000	2
36	Ethyl Acetate	43	4.175	4.174	(0.854)	95867	4.00000	4
37	Methyl Acrylate	55	4.175	4.180	(0.854)	61122	2.00000	2
$ 38	Dibromofluoromethane	111	4.207	4.212	(0.861)	54498	2.00000	2
39	Tetrahydrofuran	42	4.185	4.185	(0.857)	54121	4.00000	4
40	1,1,1-Trichloroethane	97	4.228	4.228	(0.865)	91409	2.00000	2
41	Carbon Tetrachloride	117	4.169	4.164	(0.853)	83497	2.00000	2
42	2-Butanone	43	4.324	4.324	(0.885)	98534	2.00000	4(H)
43	1,1-Dichloropropene	75	4.330	4.330	(0.886)	91665	2.00000	2
44	Cyclohexane	84	3.993	3.993	(0.817)	111126	2.00000	2
45	tert-Amyl methyl ether	73	4.635	4.640	(0.949)	204424	2.00000	2
46	tert-Butyl formate	57	4.426	4.431	(0.906)	27105	2.00000	2
47	1-Chlorobutane	56	4.373	4.378	(0.895)	164679	2.00000	2
48	Propionitrile	54	4.570	4.576	(0.935)	107401	20.0000	19
49	Isobutyl alcohol	42	4.185	4.185	(0.857)	54121	20.0000	20
50	Benzene	78	4.533	4.533	(0.928)	271332	2.00000	2
51	2-Methyl-2-Propenenitrile	41	4.587	4.586	(0.939)	44140	2.00000	2
$ 52	1,2-Dichloroethane-d4	65	4.651	4.651	(0.952)	72334	2.00000	2
53	1,2-Dichloroethane	62	4.710	4.709	(0.964)	87893	2.00000	2
57	Methyl Cyclohexane	83	5.009	5.014	(1.025)	120282	2.00000	2
58	Trichloroethene	130	5.020	5.025	(1.027)	66368	2.00000	2
59	Dibromomethane	93	5.384	5.384	(1.102)	34197	2.00000	2
60	1,2-Dichloropropane	63	5.480	5.480	(1.122)	73633	2.00000	2
61	Bromodichloromethane	83	5.528	5.533	(1.131)	75347	2.00000	2
62	Methyl Methacrylate	69	5.689	5.688	(1.164)	85545	4.00000	4
63	1,4-Dioxane	58	5.715	5.715	(1.170)	35624	100.000	100(M)
64	2-Chloroethylvinylether	63	6.052	6.052	(1.239)	13790	2.00000	2(M)
65	cis-1,3-Dichloropropene	75	6.095	6.095	(1.247)	104513	2.00000	2
66	2-Nitropropane	41	6.534	6.539	(1.337)	37560	4.00000	4
67	Chloroacetonitrile	48	6.454	6.453	(1.321)	59611	40.0000	40
68	trans-1,3-Dichloropropene	75	6.700	6.700	(1.371)	100620	2.00000	2
69	1,1,2-Trichloroethane	97	6.849	6.849	(1.402)	48553	2.00000	2
* 70	Chlorobenzene-d5	117	7.727	7.727	(1.000)	2013418	25.0000	
71	Toluene	91	6.309	6.309	(0.817)	289430	2.00000	2
$ 72	Toluene-d8	98	6.266	6.266	(0.811)	243127	2.00000	2
73	1,1-Dichloro-2-propanone	43	6.544	6.544	(0.847)	179940	10.0000	9
74	4-Methyl-2-Pentanone	43	6.678	6.678	(0.864)	73247	2.00000	2
75	Tetrachloroethene	164	6.657	6.657	(0.862)	53378	2.00000	2
76	Ethyl Methacrylate	69	6.871	6.865	(0.889)	77476	2.00000	2
77	Dibromochloromethane	129	7.005	7.004	(0.907)	50526	2.00000	2
78	1,3-Dichloropropane	76	7.106	7.106	(0.920)	94992	2.00000	2
79	1,2-Dibromoethane	107	7.229	7.229	(0.936)	47112	2.00000	2
81	2-Hexanone	43	7.475	7.475	(0.967)	56532	2.00000	2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
82	1-Chlorohexane	91	7.780	7.775	(1.007)	320088	2.00000	2
83	Chlorobenzene	112	7.743	7.743	(1.002)	174314	2.00000	2
84	1,1,1,2-Tetrachloroethane	131	7.807	7.812	(1.010)	59391	2.00000	2
85	Ethylbenzene	106	7.780	7.780	(1.007)	94362	2.00000	2
86	Xylene (total)mp	106	7.930	7.930	(1.026)	252581	4.00000	4
87	Xylene (total)o	106	8.358	8.363	(1.082)	120062	2.00000	2
88	Styrene	104	8.417	8.417	(1.089)	197301	2.00000	2
89	Bromoform	173	8.422	8.427	(1.090)	32979	2.00000	2
* 90	1,4-Dichlorobenzene-d4	152	10.172	10.171	(1.000)	1168233	25.0000	
91	Isopropylbenzene	105	8.690	8.684	(0.854)	332491	2.00000	2
92	1,1,2,2-Tetrachloroethane	83	9.203	9.203	(0.905)	60066	2.00000	2
93	Bromobenzene	156	9.070	9.069	(0.892)	74915	2.00000	2
94	1,2,3-Trichloropropane	110	9.337	9.337	(0.918)	21540	2.00000	2
95	trans-1,4-Dichloro-2-Butene	53	9.391	9.396	(0.923)	40379	4.00000	4
96	n-Propylbenzene	91	9.123	9.118	(0.897)	409022	2.00000	2
97	2-Chlorotoluene	91	9.273	9.273	(0.912)	241139	2.00000	2
98	4-Chlorotoluene	91	9.455	9.455	(0.930)	249320	2.00000	2
99	1,3,5-Trimethylbenzene	105	9.342	9.342	(0.918)	294885	2.00000	2
100	tert-Butylbenzene	119	9.679	9.679	(0.952)	242116	2.00000	2
101	1,2,4-Trimethylbenzene	105	9.754	9.754	(0.959)	304331	2.00000	2
102	sec-Butylbenzene	105	9.872	9.867	(0.971)	371523	2.00000	2
103	4-Isopropyltoluene	119	10.038	10.038	(0.987)	318942	2.00000	2
104	1,3-Dichlorobenzene	146	10.086	10.091	(0.992)	159842	2.00000	2
105	1,4-Dichlorobenzene	146	10.188	10.188	(1.002)	169745	2.00000	2
106	1,2-Dichlorobenzene	146	10.648	10.653	(1.047)	156013	2.00000	2
107	Benzyl Chloride	126	10.477	10.476	(1.030)	34066	2.00000	2
108	n-Butylbenzene	91	10.509	10.498	(1.033)	352971	2.00000	2
111	1,2-Dibromo-3-chloropropane	75	11.563	11.562	(1.137)	14471	2.00000	2
112	Nitrobenzene	77	12.215	12.220	(1.201)	45999	20.0000	17
113	1,2,4-Trichlorobenzene	180	12.349	12.354	(1.214)	116374	2.00000	2
114	Hexachlorobutadiene	225	12.338	12.338	(1.213)	61537	2.00000	2
115	Naphthalene	128	12.734	12.729	(1.252)	249300	2.00000	2
116	1,2,3-Trichlorobenzene	180	12.943	12.948	(1.272)	103684	2.00000	2
$ 117	Bromofluorobenzene	95	8.968	8.973	(0.882)	105684	2.00000	2
M 118	1,2-Dichloroethene (total)	100				129168	4.00000	4
M 119	Xylene (total)	100				372643	6.00000	6

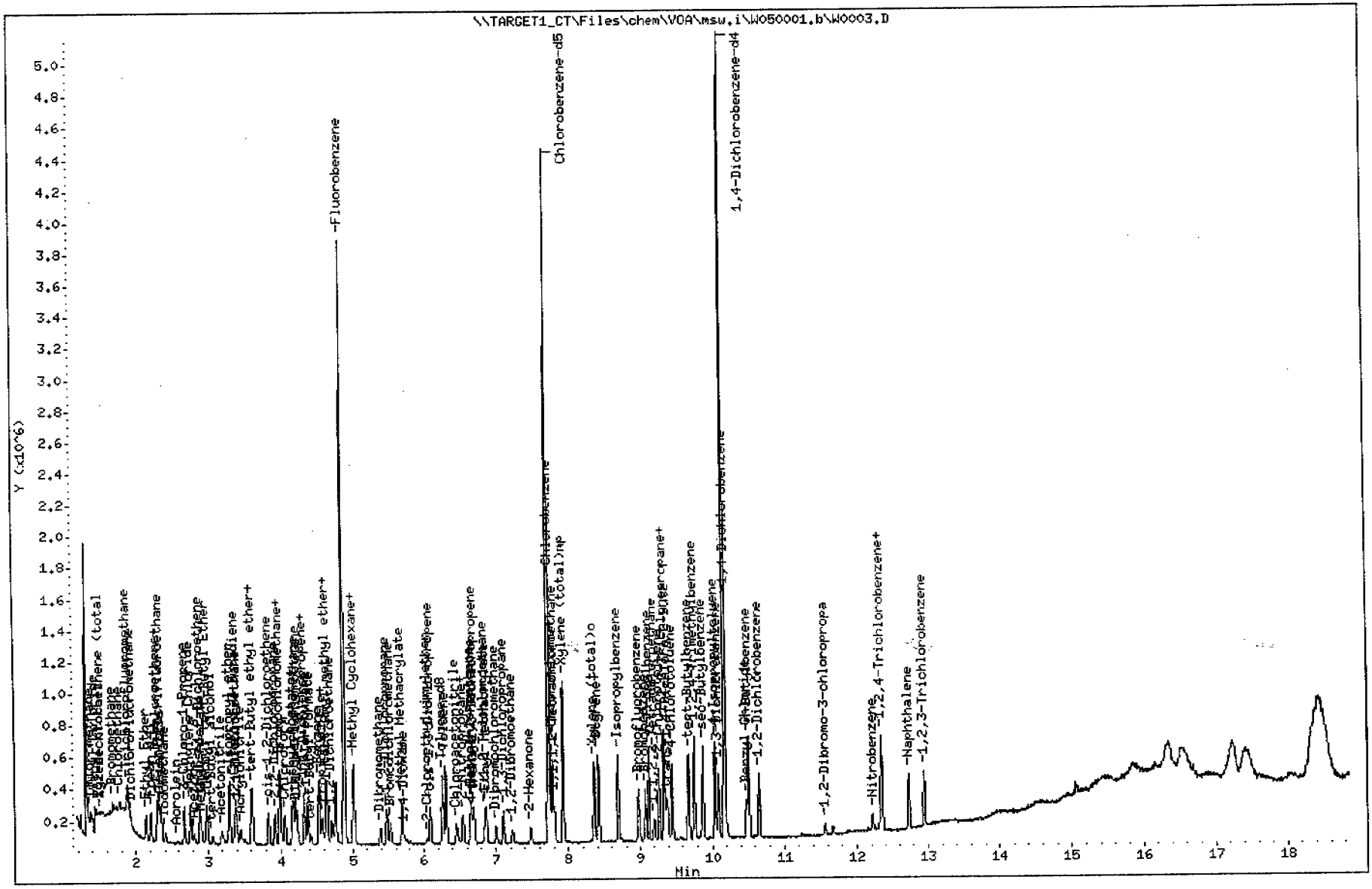
QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\TARGET1_CT\Files\chem\VOA\msw.i\W050001.b\W0003.D
Date : 16-MAY-2005 15:54
Client ID: VSTD002WA
Sample Info: VSTD002WA
Purge Volume: 5.0
Column phase: RTX-624

Instrument: msw.i

Operator: M.Crowe
Column diameter: 0.53



STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\Files\chem\VOA\msw.i\W050001.b\W0004.D
Lab Smp Id: VSTD0.5WA Client Smp ID: VSTD0.5WA
Inj Date : 16-MAY-2005 16:22 MS Autotune Date: 06-MAY-2005 08:32
Operator : M.Crowe Inst ID: msw.i
Smp Info : VSTD0.5WA
Misc Info :
Comment :
Method : \\TARGET1_CT\Files\chem\VOA\msw.i\W050001.b\W8260LOW.m
Meth Date : 17-May-2005 13:24 michael Quant Type: ISTD
Cal Date : 16-MAY-2005 16:22 Cal File: W0004.D
Als bottle: 9 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: CONMSONT

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

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

M. Crowe 5/30/05

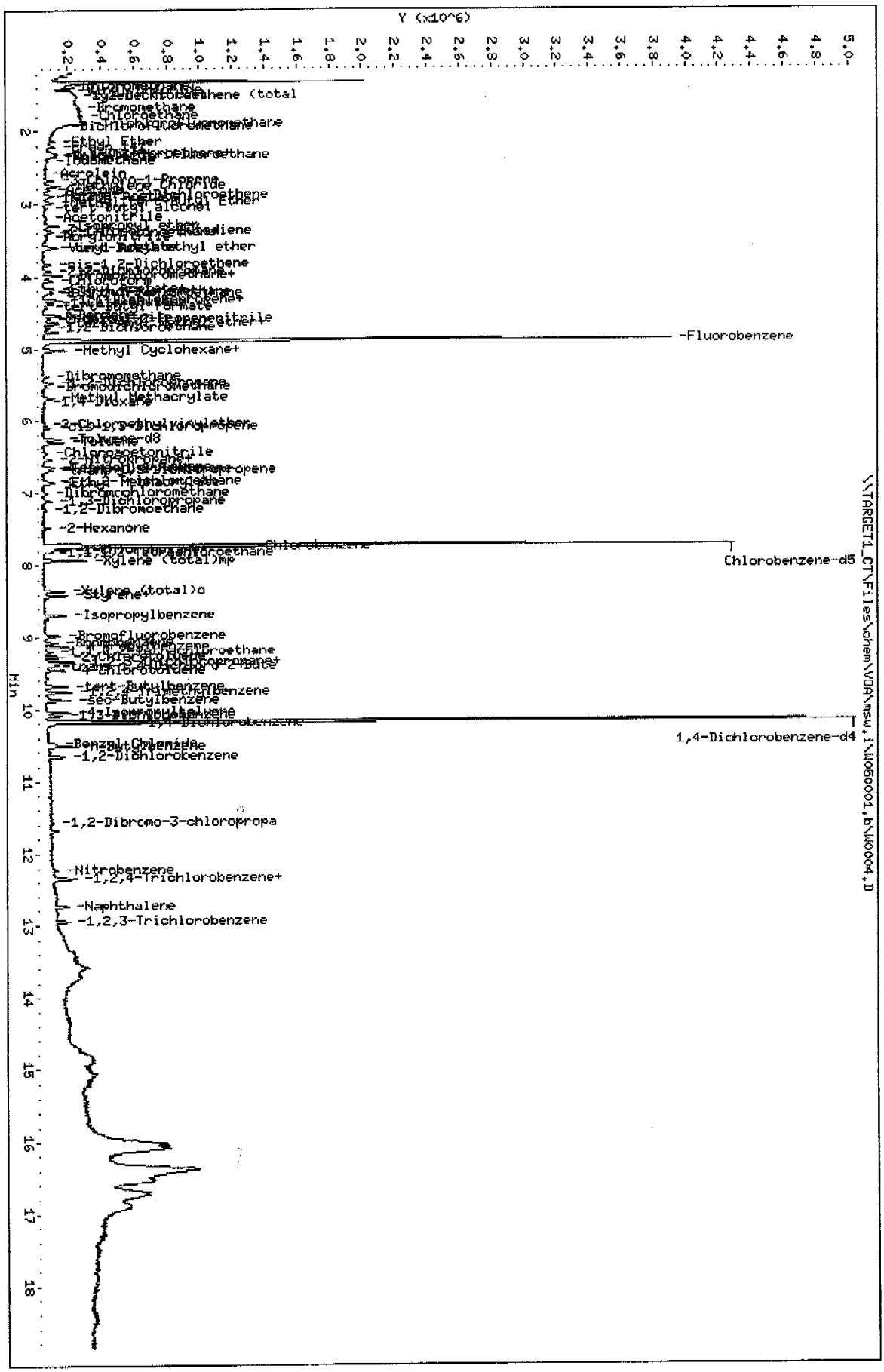
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 1 Fluorobenzene	96	4.886	4.886	(1.000)	2712309	25.0000	
2 Dichlorodifluoromethane	85	1.232	1.237	(0.252)	15901	0.50000	0.6 (M)
3 Chloromethane	50	1.377	1.377	(0.282)	26655	0.50000	0.5
4 Vinyl Chloride	62	1.435	1.435	(0.294)	19856	0.50000	0.6 (M)
5 Bromomethane	94	1.682	1.682	(0.344)	6803	0.50000	0.5
6 Chloroethane	64	1.778	1.772	(0.364)	9287	0.50000	0.5 (M)
7 Trichlorofluoromethane	101	1.885	1.879	(0.386)	19594	0.50000	0.5
8 Dichlorofluoromethane	67	1.928	1.933	(0.395)	8103	0.50000	0.4
9 Ethyl Ether	45	2.142	2.142	(0.438)	13730	0.50000	0.5
10 Freon 141	81	2.211	2.211	(0.453)	24678	0.50000	0.5
11 Freon 123a	67	2.345	2.350	(0.480)	4238	0.50000	0.6
12 Trichlorotrifluoroethane	101	2.329	2.329	(0.477)	15749	0.50000	0.5
13 1,1-Dichloroethene	96	2.297	2.291	(0.470)	13638	0.50000	0.5
14 Carbon Disulfide	76	2.313	2.307	(0.473)	47488	0.50000	0.5
15 Iodomethane	142	2.409	2.409	(0.493)	15691	0.50000	0.5
16 3-Chloro-1-Propene	41	2.682	2.682	(0.549)	33357	0.50000	0.5
17 Methylene Chloride	84	2.768	2.768	(0.566)	32420	0.50000	0.9
18 Acetone	43	2.821	2.816	(0.577)	31336	0.50000	1
19 trans-1,2-Dichloroethene	96	2.896	2.896	(0.593)	16112	0.50000	0.5
20 Methyl tert-Butyl Ether	73	2.992	2.992	(0.612)	50892	0.50000	0.5
21 Acrolein	56	2.586	2.575	(0.529)	3282	2.50000	3
22 tert-Butyl alcohol	59	3.078	3.078	(0.630)	15281	2.50000	3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
23	Methyl Acetate	43	2.917	2.917	(0.597)	26084	0.50000	0.5
24	Acetonitrile	41	3.201	3.201	(0.655)	31710	5.00000	3
25	Isopropyl ether	45	3.302	3.302	(0.676)	71447	0.50000	0.5
26	tert-Butyl ethyl ether	59	3.602	3.602	(0.737)	58108	0.50000	0.5
27	Acrylonitrile	53	3.452	3.452	(0.707)	17052	1.00000	0.8(H)
28	2-Chloro-1,3-Butadiene	88	3.377	3.377	(0.691)	12464	0.50000	0.5
29	1,1-Dichloroethane	63	3.399	3.399	(0.696)	31085	0.50000	0.5
30	Vinyl Acetate	43	3.618	3.618	(0.741)	45081	0.50000	0.5
31	cis-1,2-Dichloroethene	96	3.837	3.837	(0.785)	16475	0.50000	0.5
32	2,2-Dichloropropane	77	3.928	3.928	(0.804)	26680	0.50000	0.5
33	Bromochloromethane	128	3.998	3.998	(0.818)	7614	0.50000	0.5
35	Chloroform	83	4.057	4.062	(0.830)	26960	0.50000	0.5
36	Ethyl Acetate	43	4.174	4.174	(0.854)	24530	1.00000	1
37	Methyl Acrylate	55	4.174	4.180	(0.854)	16477	0.50000	0.5
$ 38	Dibromofluoromethane	111	4.207	4.212	(0.861)	14911	0.50000	0.5
39	Tetrahydrofuran	42	4.185	4.185	(0.857)	12051	1.00000	0.9
40	1,1,1-Trichloroethane	97	4.228	4.228	(0.865)	26288	0.50000	0.5
41	Carbon Tetrachloride	117	4.164	4.164	(0.852)	20768	0.50000	0.5
42	2-Butanone	43	4.324	4.324	(0.885)	72305	0.50000	3(H)
43	1,1-Dichloropropene	75	4.324	4.330	(0.885)	23033	0.50000	0.5
44	Cyclohexane	84	3.993	3.993	(0.817)	26069	0.50000	0.5
45	tert-Amyl methyl ether	73	4.640	4.640	(0.950)	51208	0.50000	0.5
46	tert-Butyl formate	57	4.421	4.431	(0.905)	20749	0.50000	2(M)
47	1-Chlorobutane	56	4.372	4.378	(0.895)	42543	0.50000	0.5
48	Propionitrile	54	4.570	4.576	(0.935)	26507	5.00000	5
49	Isobutyl alcohol	42	4.185	4.185	(0.857)	12051	5.00000	4
50	Benzene	78	4.538	4.533	(0.929)	73803	0.50000	0.5
51	2-Methyl-2-Propenenitrile	41	4.586	4.586	(0.939)	14590	0.50000	0.6
$ 52	1,2-Dichloroethane-d4	65	4.651	4.651	(0.952)	18827	0.50000	0.5
53	1,2-Dichloroethane	62	4.709	4.709	(0.964)	24938	0.50000	0.6
57	Methyl Cyclohexane	83	5.014	5.014	(1.026)	29330	0.50000	0.5
58	Trichloroethene	130	5.025	5.025	(1.028)	20424	0.50000	0.6
59	Dibromomethane	93	5.384	5.384	(1.102)	9002	0.50000	0.5
60	1,2-Dichloropropane	63	5.480	5.480	(1.122)	16992	0.50000	0.5(T)
61	Bromodichloromethane	83	5.533	5.533	(1.132)	19709	0.50000	0.5
62	Methyl Methacrylate	69	5.688	5.688	(1.164)	19984	1.00000	0.9
63	1,4-Dioxane	58	5.731	5.715	(1.173)	10008	25.0000	29(M)
64	2-Chloroethylvinylether	63	6.052	6.052	(1.239)	2976	0.50000	0.5(M)
65	cis-1,3-Dichloropropene	75	6.095	6.095	(1.247)	25552	0.50000	0.5
66	2-Nitropropane	41	6.534	6.539	(1.337)	9702	1.00000	1
67	Chloroacetonitrile	48	6.453	6.453	(1.321)	14028	10.0000	10
68	trans-1,3-Dichloropropene	75	6.700	6.700	(1.371)	23498	0.50000	0.5
69	1,1,2-Trichloroethane	97	6.849	6.849	(1.402)	14515	0.50000	0.6
* 70	Chlorobenzene-d5	117	7.727	7.727	(1.000)	2031573	25.0000	
71	Toluene	91	6.309	6.309	(0.817)	76540	0.50000	0.5
$ 72	Toluene-d8	98	6.266	6.266	(0.811)	60977	0.50000	0.5
73	1,1-Dichloro-2-propanone	43	6.539	6.544	(0.846)	48547	2.50000	2
74	4-Methyl-2-Pentanone	43	6.673	6.678	(0.864)	20972	0.50000	0.5
75	Tetrachloroethene	164	6.657	6.657	(0.862)	14413	0.50000	0.5
76	Ethyl Methacrylate	69	6.860	6.865	(0.888)	19967	0.50000	0.5
77	Dibromochloromethane	129	7.004	7.004	(0.907)	12874	0.50000	0.5
78	1,3-Dichloropropane	76	7.101	7.106	(0.919)	25416	0.50000	0.5
79	1,2-Dibromoethane	107	7.224	7.229	(0.935)	13585	0.50000	0.5
81	2-Hexanone	43	7.481	7.475	(0.968)	19241	0.50000	0.7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
82	1-Chlorohexane	91	7.780	7.775	(1.007)	81920	0.50000	0.5
83	Chlorobenzene	112	7.743	7.743	(1.002)	43887	0.50000	0.5
84	1,1,1,2-Tetrachloroethane	131	7.818	7.812	(1.012)	13437	0.50000	0.4(T)
85	Ethylbenzene	106	7.780	7.780	(1.007)	25769	0.50000	0.5
86	Xylene (total)mp	106	7.930	7.930	(1.026)	61512	1.00000	0.9
87	Xylene (total)o	106	8.363	8.363	(1.082)	31044	0.50000	0.5
88	Styrene	104	8.417	8.417	(1.089)	49704	0.50000	0.5
89	Bromoform	173	8.422	8.427	(1.090)	7904	0.50000	0.4
* 90	1,4-Dichlorobenzene-d4	152	10.172	10.171	(1.000)	1155781	25.0000	
91	Isopropylbenzene	105	8.690	8.684	(0.854)	81307	0.50000	0.5
92	1,1,2,2-Tetrachloroethane	83	9.203	9.203	(0.905)	17451	0.50000	0.5
93	Bromobenzene	156	9.069	9.069	(0.892)	18985	0.50000	0.5
94	1,2,3-Trichloropropane	110	9.332	9.337	(0.917)	6278	0.50000	0.6
95	trans-1,4-Dichloro-2-Butene	53	9.396	9.396	(0.924)	8038	1.00000	0.8
96	n-Propylbenzene	91	9.123	9.118	(0.897)	99152	0.50000	0.5
97	2-Chlorotoluene	91	9.273	9.273	(0.912)	59810	0.50000	0.5
98	4-Chlorotoluene	91	9.455	9.455	(0.930)	64109	0.50000	0.5
99	1,3,5-Trimethylbenzene	105	9.342	9.342	(0.918)	73191	0.50000	0.5
100	tert-Butylbenzene	119	9.679	9.679	(0.952)	60966	0.50000	0.5
101	1,2,4-Trimethylbenzene	105	9.760	9.754	(0.960)	74231	0.50000	0.5
102	sec-Butylbenzene	105	9.872	9.867	(0.971)	96128	0.50000	0.5
103	4-Isopropyltoluene	119	10.038	10.038	(0.987)	79135	0.50000	0.5
104	1,3-Dichlorobenzene	146	10.086	10.091	(0.992)	38865	0.50000	0.5
105	1,4-Dichlorobenzene	146	10.193	10.188	(1.002)	45543	0.50000	0.5
106	1,2-Dichlorobenzene	146	10.653	10.653	(1.047)	40059	0.50000	0.5
107	Benzyl Chloride	126	10.482	10.476	(1.031)	8305	0.50000	0.5
108	n-Butylbenzene	91	10.509	10.498	(1.033)	87249	0.50000	0.5
111	1,2-Dibromo-3-chloropropane	75	11.568	11.562	(1.137)	4690	0.50000	0.6
112	Nitrobenzene	77	12.220	12.220	(1.201)	8927	5.00000	3
113	1,2,4-Trichlorobenzene	180	12.349	12.354	(1.214)	31316	0.50000	0.5
114	Hexachlorobutadiene	225	12.338	12.338	(1.213)	16406	0.50000	0.6
115	Naphthalene	128	12.734	12.729	(1.252)	59649	0.50000	0.4
116	1,2,3-Trichlorobenzene	180	12.948	12.948	(1.273)	28525	0.50000	0.5
$ 117	Bromofluorobenzene	95	8.973	8.973	(0.882)	31446	0.50000	0.6(M)
M 118	1,2-Dichloroethene (total)	100				32587	1.00000	1
M 119	Xylene (total)	100				92556	1.50000	1

QC Flag Legend

T - Target compound detected outside RT window.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.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Client ID: VSTD0.5WA
Sample Info: VSTD0.5WA
Purge Volume: 5.0
Column phase: RTX-624
Instrument: msw.i
Operator: M.Crowe
Column diameter: 0.53
\\TARGET1_CT\Files\chem\VOA\msw.i\W050001.b\W0004.D
Y (x10^6)
Min
-Fluorobenzene
-Methyl Cyclohexane+
-Toluene-d8
-2-Hexanone
Chlorobenzene-d5
-Xylene (total)mp
-Isopropylbenzene
1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-Nitrobenzene
-1,2,4-Trichlorobenzene+
-Naphthalene
-1,2,3-Trichlorobenzene

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\Files\chem\VOA\msw.i\W050001.b\W0006.D
Lab Smp Id: VSTD050WA Client Smp ID: VSTD050WA
Inj Date : 16-MAY-2005 17:16 MS Autotune Date: 06-MAY-2005 08:32
Operator : M.Crowe Inst ID: msw.i
Smp Info : VSTD050WA
Misc Info :
Comment :
Method : \\TARGET1_CT\Files\chem\VOA\msw.i\W050001.b\W8260LOW.m
Meth Date : 17-May-2005 13:24 michael Quant Type: ISTD
Cal Date : 16-MAY-2005 17:16 Cal File: W0006.D
Als bottle: 11 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: CONMSONT

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

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

M. Crowe 5/30/05

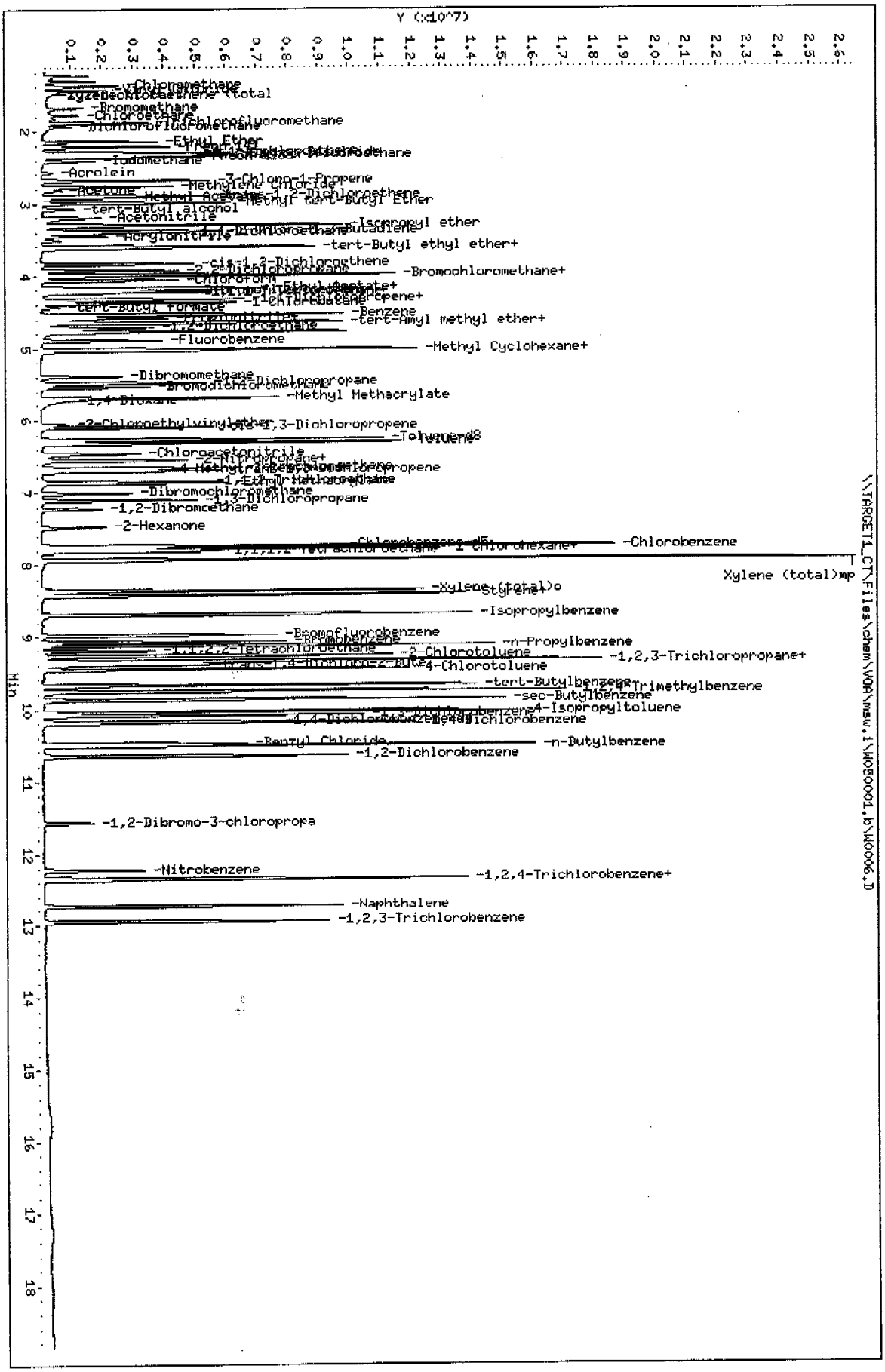
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 1 Fluorobenzene	96	4.886	4.886	(1.000)	2701102	25.0000	
2 Dichlorodifluoromethane	85	1.238	1.237	(0.253)	1286403	50.0000	48(M)
3 Chloromethane	50	1.377	1.377	(0.282)	2296141	50.0000	47
4 Vinyl Chloride	62	1.435	1.435	(0.294)	1707247	50.0000	48(M)
5 Bromomethane	94	1.682	1.682	(0.344)	581743	50.0000	45
6 Chloroethane	64	1.778	1.772	(0.364)	839742	50.0000	46
7 Trichlorofluoromethane	101	1.885	1.879	(0.386)	1945711	50.0000	48
8 Dichlorofluoromethane	67	1.933	1.933	(0.396)	911395	50.0000	50
9 Ethyl Ether	45	2.142	2.142	(0.438)	1214544	50.0000	48
10 Freon 141	81	2.211	2.211	(0.453)	2556413	50.0000	50
11 Freon 123a	67	2.350	2.350	(0.481)	321356	50.0000	46
12 Trichlorotrifluoroethane	101	2.329	2.329	(0.477)	1401450	50.0000	47
13 1,1-Dichloroethene	96	2.291	2.291	(0.469)	1221128	50.0000	48
14 Carbon Disulfide	76	2.313	2.307	(0.473)	4710956	50.0000	49
15 Iodomethane	142	2.409	2.409	(0.493)	1648777	50.0000	54
16 3-Chloro-1-Propene	41	2.682	2.682	(0.549)	3096448	50.0000	49
17 Methylene Chloride	84	2.768	2.768	(0.566)	1453950	50.0000	42
18 Acetone	43	2.821	2.816	(0.577)	542772	50.0000	25
19 trans-1,2-Dichloroethene	96	2.896	2.896	(0.593)	1474627	50.0000	48
20 Methyl tert-Butyl Ether	73	2.992	2.992	(0.612)	4763103	50.0000	50
21 Acrolein	56	2.575	2.575	(0.527)	267030	250.000	220
22 tert-Butyl alcohol	59	3.078	3.078	(0.630)	1170651	250.000	230

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	23 Methyl Acetate	43	2.917	2.917	(0.597)	2285411	50.0000	48
	24 Acetonitrile	41	3.201	3.201	(0.655)	2412795	500.000	240
	25 Isopropyl ether	45	3.303	3.302	(0.676)	7367511	50.0000	50
	26 tert-Butyl ethyl ether	59	3.597	3.602	(0.736)	6077319	50.0000	50
	27 Acrylonitrile	53	3.452	3.452	(0.707)	1412007	100.000	78 (H)
	28 2-Chloro-1,3-Butadiene	88	3.383	3.377	(0.692)	1237862	50.0000	50
	29 1,1-Dichloroethane	63	3.399	3.399	(0.696)	3121062	50.0000	49
	30 Vinyl Acetate	43	3.613	3.618	(0.739)	4460142	50.0000	49
	31 cis-1,2-Dichloroethene	96	3.838	3.837	(0.785)	1617412	50.0000	49
	32 2,2-Dichloropropane	77	3.928	3.928	(0.804)	2398136	50.0000	48
	33 Bromochloromethane	128	3.998	3.998	(0.818)	674462	50.0000	48
	35 Chloroform	83	4.062	4.062	(0.831)	2664619	50.0000	50
	36 Ethyl Acetate	43	4.175	4.174	(0.854)	2365384	100.000	100
	37 Methyl Acrylate	55	4.180	4.180	(0.855)	1678081	50.0000	52
$	38 Dibromofluoromethane	111	4.212	4.212	(0.862)	1382265	50.0000	51
	39 Tetrahydrofuran	42	4.185	4.185	(0.857)	1384799	100.000	100
	40 1,1,1-Trichloroethane	97	4.228	4.228	(0.865)	2379005	50.0000	49
	41 Carbon Tetrachloride	117	4.164	4.164	(0.852)	2020930	50.0000	49
	42 2-Butanone	43	4.324	4.324	(0.885)	894243	50.0000	33 (H)
	43 1,1-Dichloropropene	75	4.330	4.330	(0.886)	2267127	50.0000	49
	44 Cyclohexane	84	3.993	3.993	(0.817)	2514841	50.0000	48
	45 tert-Amyl methyl ether	73	4.640	4.640	(0.950)	5143378	50.0000	50
	46 tert-Butyl formate	57	4.431	4.431	(0.907)	223146	50.0000	17
	47 1-Chlorobutane	56	4.378	4.378	(0.896)	4107161	50.0000	49
	48 Propionitrile	54	4.570	4.576	(0.935)	2727282	500.000	500
	49 Isobutyl alcohol	42	4.185	4.185	(0.857)	1384799	500.000	520
	50 Benzene	78	4.533	4.533	(0.928)	6811839	50.0000	49
	51 2-Methyl-2-Propenenitrile	41	4.586	4.586	(0.939)	1164204	50.0000	48
$	52 1,2-Dichloroethane-d4	65	4.651	4.651	(0.952)	1879941	50.0000	52
	53 1,2-Dichloroethane	62	4.710	4.709	(0.964)	2214309	50.0000	49
	57 Methyl Cyclohexane	83	5.014	5.014	(1.026)	2941166	50.0000	49
	58 Trichloroethene	130	5.025	5.025	(1.028)	1544961	50.0000	43
	59 Dibromomethane	93	5.384	5.384	(1.102)	838092	50.0000	49
	60 1,2-Dichloropropane	63	5.480	5.480	(1.122)	1762098	50.0000	50
	61 Bromodichloromethane	83	5.533	5.533	(1.132)	1978045	50.0000	50
	62 Methyl Methacrylate	69	5.689	5.688	(1.164)	2195715	100.000	100
	63 1,4-Dioxane	58	5.715	5.715	(1.170)	712005	2500.00	2100
	64 2-Chloroethylvinylether	63	6.058	6.052	(1.240)	307520	50.0000	49
	65 cis-1,3-Dichloropropene	75	6.095	6.095	(1.247)	2629097	50.0000	50
	66 2-Nitropropane	41	6.539	6.539	(1.338)	911484	100.000	99
	67 Chloroacetonitrile	48	6.454	6.453	(1.321)	1460738	1000.00	1000
	68 trans-1,3-Dichloropropene	75	6.700	6.700	(1.371)	2412505	50.0000	49
	69 1,1,2-Trichloroethane	97	6.849	6.849	(1.402)	1267204	50.0000	49
*	70 Chlorobenzene-d5	117	7.727	7.727	(1.000)	1966482	25.0000	
	71 Toluene	91	6.309	6.309	(0.817)	7172648	50.0000	49
$	72 Toluene-d8	98	6.266	6.266	(0.811)	6117584	50.0000	52
	73 1,1-Dichloro-2-propanone	43	6.544	6.544	(0.847)	4835691	250.000	260
	74 4-Methyl-2-Pentanone	43	6.678	6.678	(0.864)	1830080	50.0000	49
	75 Tetrachloroethene	164	6.657	6.657	(0.862)	1260735	50.0000	48
	76 Ethyl Methacrylate	69	6.865	6.865	(0.889)	2076271	50.0000	52
	77 Dibromochloromethane	129	7.005	7.004	(0.907)	1382000	50.0000	52
	78 1,3-Dichloropropane	76	7.106	7.106	(0.920)	2421203	50.0000	50
	79 1,2-Dibromoethane	107	7.224	7.229	(0.935)	1235139	50.0000	50
	81 2-Hexanone	43	7.475	7.475	(0.967)	1267380	50.0000	48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
82	1-Chlorohexane	91	7.780	7.775	(1.007)	8339243	50.0000	52
83	Chlorobenzene	112	7.743	7.743	(1.002)	4231638	50.0000	49
84	1,1,1,2-Tetrachloroethane	131	7.812	7.812	(1.011)	1434515	50.0000	50
85	Ethylbenzene	106	7.780	7.780	(1.007)	2442082	50.0000	50
86	Xylene (total)mp	106	7.930	7.930	(1.026)	6352211	100.000	100
87	Xylene (total)o	106	8.363	8.363	(1.082)	3009058	50.0000	49
88	Styrene	104	8.417	8.417	(1.089)	5251806	50.0000	50
89	Bromoform	173	8.422	8.427	(1.090)	919885	50.0000	53
* 90	1,4-Dichlorobenzene-d4	152	10.172	10.171	(1.000)	1192967	25.0000	
91	Isopropylbenzene	105	8.690	8.684	(0.854)	8732975	50.0000	51
92	1,1,2,2-Tetrachloroethane	83	9.203	9.203	(0.905)	1622448	50.0000	48
93	Bromobenzene	156	9.070	9.069	(0.892)	1879612	50.0000	49
94	1,2,3-Trichloropropane	110	9.337	9.337	(0.918)	546227	50.0000	49
95	trans-1,4-Dichloro-2-Butene	53	9.396	9.396	(0.924)	1021266	100.000	100
96	n-Propylbenzene	91	9.123	9.118	(0.897)	10866312	50.0000	53
97	2-Chlorotoluene	91	9.273	9.273	(0.912)	6233755	50.0000	50
98	4-Chlorotoluene	91	9.455	9.455	(0.930)	6592957	50.0000	50
99	1,3,5-Trimethylbenzene	105	9.342	9.342	(0.918)	7809181	50.0000	51
100	tert-Butylbenzene	119	9.679	9.679	(0.952)	6334023	50.0000	49
101	1,2,4-Trimethylbenzene	105	9.760	9.754	(0.960)	7982065	50.0000	51
102	sec-Butylbenzene	105	9.872	9.867	(0.971)	10128505	50.0000	52
103	4-Isopropyltoluene	119	10.043	10.038	(0.987)	8596514	50.0000	52
104	1,3-Dichlorobenzene	146	10.086	10.091	(0.992)	4013389	50.0000	49
105	1,4-Dichlorobenzene	146	10.188	10.188	(1.002)	4078201	50.0000	47
106	1,2-Dichlorobenzene	146	10.653	10.653	(1.047)	3913732	50.0000	48
107	Benzyl Chloride	126	10.476	10.476	(1.030)	823464	50.0000	48
108	n-Butylbenzene	91	10.503	10.498	(1.033)	9394780	50.0000	51
111	1,2-Dibromo-3-chloropropane	75	11.562	11.562	(1.137)	407560	50.0000	50
112	Nitrobenzene	77	12.220	12.220	(1.201)	1522810	500.000	550
113	1,2,4-Trichlorobenzene	180	12.349	12.354	(1.214)	2953163	50.0000	48
114	Hexachlorobutadiene	225	12.338	12.338	(1.213)	1422974	50.0000	46
115	Naphthalene	128	12.734	12.729	(1.252)	7240643	50.0000	48
116	1,2,3-Trichlorobenzene	180	12.948	12.948	(1.273)	2746404	50.0000	49
$ 117	Bromofluorobenzene	95	8.973	8.973	(0.882)	2442666	50.0000	46
M 118	1,2-Dichloroethene (total)	100				3092039	100.000	97
M 119	Xylene (total)	100				9361269	150.000	150

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.



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Client ID: VSTD050WA
Sample Info: VSTD050WA
Purge Volume: 5.0
Column phase: RTX-624

Instrument: msw.i
Operator: M.Crowe
Column diameter: 0.53

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\Files\chem\VOA\msw.i\W050001.b\W0007.D
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Inj Date : 16-MAY-2005 17:44 MS Autotune Date: 06-MAY-2005 08:32
Operator : M.Crowe Inst ID: msw.i
Smp Info : VSTD100WA
Misc Info :
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Cal Date : 16-MAY-2005 17:44 Cal File: W0007.D
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Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: CONMSONT

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

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

M. Crowe 5/30/05

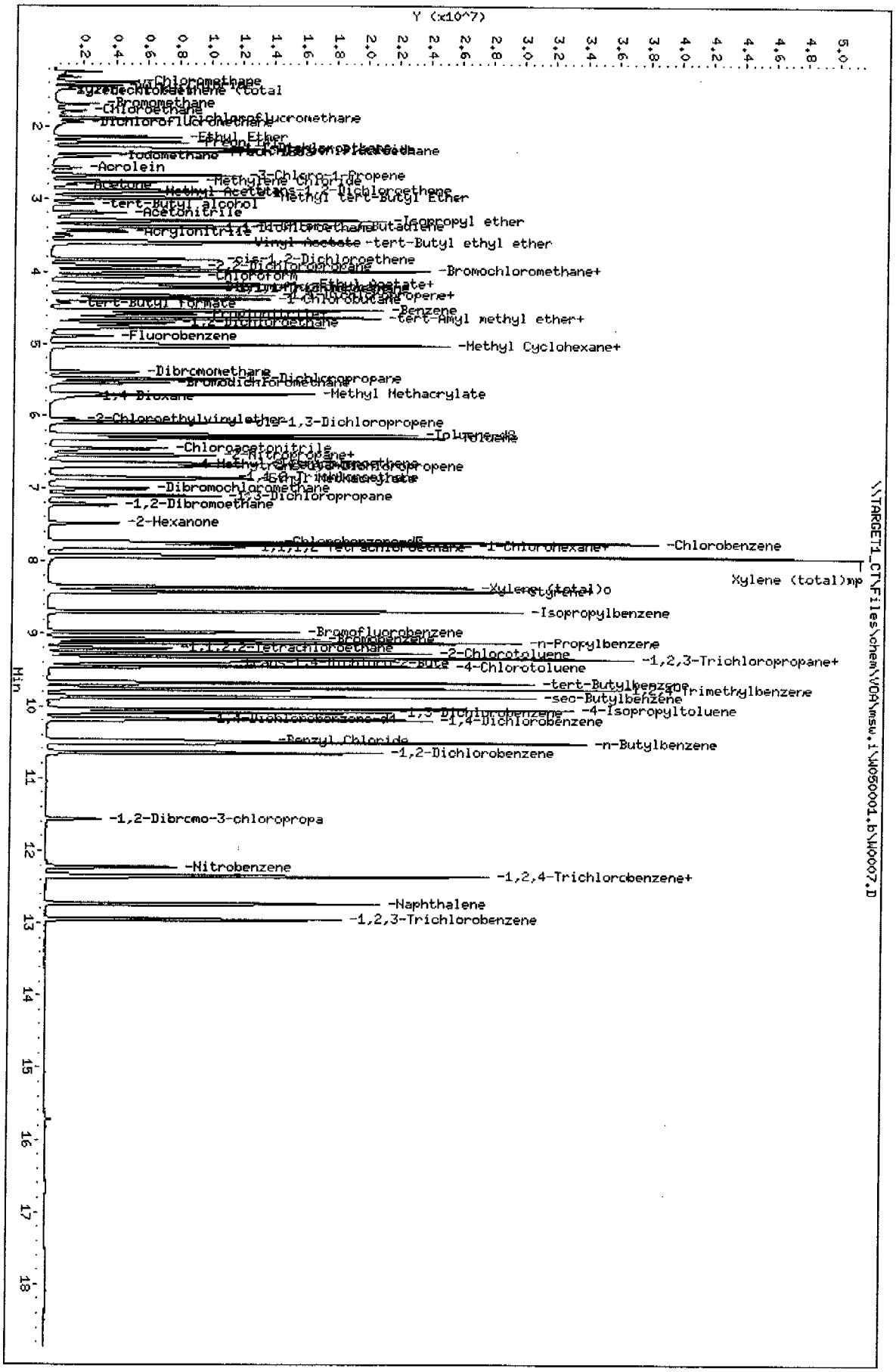
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 1 Fluorobenzene	96	4.886	4.886	(1.000)	2715404	25.0000	
2 Dichlorodifluoromethane	85	1.237	1.237	(0.253)	2699008	100.000	99
3 Chloromethane	50	1.377	1.377	(0.282)	4845034	100.000	100
4 Vinyl Chloride	62	1.435	1.435	(0.294)	3648162	100.000	100(A)
5 Bromomethane	94	1.682	1.682	(0.344)	1315644	100.000	100(A)
6 Chloroethane	64	1.772	1.772	(0.363)	1709673	100.000	94
7 Trichlorofluoromethane	101	1.879	1.879	(0.385)	4024116	100.000	100
8 Dichlorofluoromethane	67	1.933	1.933	(0.396)	1937354	100.000	110(A)
9 Ethyl Ether	45	2.142	2.142	(0.438)	2630919	100.000	100(A)
10 Freon 141	81	2.211	2.211	(0.453)	5450270	100.000	100(A)
11 Freon 123a	67	2.350	2.350	(0.481)	676807	100.000	97
12 Trichlorotrifluoroethane	101	2.329	2.329	(0.477)	2979203	100.000	100(A)
13 1,1-Dichloroethene	96	2.291	2.291	(0.469)	2605995	100.000	100(A)
14 Carbon Disulfide	76	2.307	2.307	(0.472)	10274211	100.000	110(A)
15 Iodomethane	142	2.409	2.409	(0.493)	3681037	100.000	120(A)
16 3-Chloro-1-Propene	41	2.682	2.682	(0.549)	6655319	100.000	100(A)
17 Methylene Chloride	84	2.768	2.768	(0.566)	3103169	100.000	89
18 Acetone	43	2.816	2.816	(0.576)	1165736	100.000	54
19 trans-1,2-Dichloroethene	96	2.896	2.896	(0.593)	3143351	100.000	100(A)
20 Methyl tert-Butyl Ether	73	2.992	2.992	(0.612)	10391232	100.000	110(A)
21 Acrolein	56	2.575	2.575	(0.527)	1225652	500.000	1000(A)
22 tert-Butyl alcohol	59	3.078	3.078	(0.630)	2581327	500.000	510(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	23 Methyl Acetate	43	2.917	2.917	(0.597)	5093101	100.000	110(A)
	24 Acetonitrile	41	3.201	3.201	(0.655)	5437807	1000.00	550
	25 Isopropyl ether	45	3.302	3.302	(0.676)	15453066	100.000	100(A)
	26 tert-Butyl ethyl ether	59	3.602	3.602	(0.737)	13298045	100.000	110(A)
	27 Acrylonitrile	53	3.452	3.452	(0.707)	3087485	200.000	190(H)
	28 2-Chloro-1,3-Butadiene	88	3.377	3.377	(0.691)	2590836	100.000	100(A)
	29 1,1-Dichloroethane	63	3.399	3.399	(0.696)	6770341	100.000	110(A)
	30 Vinyl Acetate	43	3.618	3.618	(0.741)	9569418	100.000	100(A)
	31 cis-1,2-Dichloroethene	96	3.837	3.837	(0.785)	3444911	100.000	100(A)
	32 2,2-Dichloropropane	77	3.928	3.928	(0.804)	5092999	100.000	100(A)
	33 Bromochloromethane	128	3.998	3.998	(0.818)	1415081	100.000	100(A)
	35 Chloroform	83	4.062	4.062	(0.831)	5786948	100.000	110(A)
	36 Ethyl Acetate	43	4.174	4.174	(0.854)	5094337	200.000	210(A)
	37 Methyl Acrylate	55	4.180	4.180	(0.855)	3597758	100.000	110(A)
$	38 Dibromofluoromethane	111	4.212	4.212	(0.862)	2850618	100.000	100(A)
	39 Tetrahydrofuran	42	4.185	4.185	(0.857)	3002715	200.000	220(A)
	40 1,1,1-Trichloroethane	97	4.228	4.228	(0.865)	5132205	100.000	100(A)
	41 Carbon Tetrachloride	117	4.164	4.164	(0.852)	4306204	100.000	100(A)
	42 2-Butanone	43	4.324	4.324	(0.885)	1863149	100.000	69(H)
	43 1,1-Dichloropropene	75	4.330	4.330	(0.886)	4883844	100.000	100(A)
	44 Cyclohexane	84	3.993	3.993	(0.817)	5368347	100.000	100(A)
	45 tert-Amyl methyl ether	73	4.640	4.640	(0.950)	11248703	100.000	110(A)
	46 tert-Butyl formate	57	4.431	4.431	(0.907)	465195	100.000	35
	47 1-Chlorobutane	56	4.378	4.378	(0.896)	9028570	100.000	110(A)
	48 Propionitrile	54	4.576	4.576	(0.937)	5926677	1000.00	1100(A)
	49 Isobutyl alcohol	42	4.185	4.185	(0.857)	3002715	1000.00	1100(A)
	50 Benzene	78	4.533	4.533	(0.928)	14170701	100.000	100(A)
	51 2-Methyl-2-Propenenitrile	41	4.586	4.586	(0.939)	2517575	100.000	100(A)
$	52 1,2-Dichloroethane-d4	65	4.651	4.651	(0.952)	3919052	100.000	110(A)
	53 1,2-Dichloroethane	62	4.709	4.709	(0.964)	4753098	100.000	100(A)
	57 Methyl Cyclohexane	83	5.014	5.014	(1.026)	6256701	100.000	100(A)
	58 Trichloroethene	130	5.025	5.025	(1.028)	3257199	100.000	90
	59 Dibromomethane	93	5.384	5.384	(1.102)	1768701	100.000	100(A)
	60 1,2-Dichloropropane	63	5.480	5.480	(1.122)	3740235	100.000	100(A)
	61 Bromodichloromethane	83	5.533	5.533	(1.132)	4263886	100.000	110(A)
	62 Methyl Methacrylate	69	5.688	5.688	(1.164)	4735638	200.000	220(A)
	63 1,4-Dioxane	58	5.715	5.715	(1.170)	1584600	5000.00	4600
	64 2-Chloroethylvinylether	63	6.052	6.052	(1.239)	641814	100.000	100(A)
	65 cis-1,3-Dichloropropene	75	6.095	6.095	(1.247)	5620939	100.000	110(A)
	66 2-Nitropropane	41	6.539	6.539	(1.338)	1952340	200.000	210(A)
	67 Chloroacetonitrile	48	6.453	6.453	(1.321)	3126966	2000.00	2100(A)
	68 trans-1,3-Dichloropropene	75	6.700	6.700	(1.371)	5214107	100.000	110(A)
	69 1,1,2-Trichloroethane	97	6.849	6.849	(1.402)	2661316	100.000	100(A)
*	70 Chlorobenzene-d5	117	7.727	7.727	(1.000)	1951706	25.0000	
	71 Toluene	91	6.309	6.309	(0.817)	14333527	100.000	98
$	72 Toluene-d8	98	6.266	6.266	(0.811)	12731072	100.000	110(A)
	73 1,1-Dichloro-2-propanone	43	6.544	6.544	(0.847)	10723964	500.000	580(A)
	74 4-Methyl-2-Pentanone	43	6.678	6.678	(0.864)	3955956	100.000	110(A)
	75 Tetrachloroethene	164	6.657	6.657	(0.862)	2671786	100.000	100(A)
	76 Ethyl Methacrylate	69	6.865	6.865	(0.889)	4486027	100.000	110(A)
	77 Dibromochloromethane	129	7.004	7.004	(0.907)	2978155	100.000	110(A)
	78 1,3-Dichloropropane	76	7.106	7.106	(0.920)	5222749	100.000	110(A)
	79 1,2-Dibromoethane	107	7.229	7.229	(0.936)	2621668	100.000	110(A)
	81 2-Hexanone	43	7.475	7.475	(0.967)	2735499	100.000	100(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
82	1-Chlorohexane	91	7.775	7.775	(1.006)	15599310	100.000	97
83	Chlorobenzene	112	7.743	7.743	(1.002)	9072977	100.000	100(A)
84	1,1,1,2-Tetrachloroethane	131	7.812	7.812	(1.011)	3059246	100.000	110(A)
85	Ethylbenzene	106	7.780	7.780	(1.007)	5236763	100.000	110(A)
86	Xylene (total)mp	106	7.930	7.930	(1.026)	13126432	200.000	210(A)
87	Xylene (total)o	106	8.363	8.363	(1.082)	6542951	100.000	110(A)
88	Styrene	104	8.417	8.417	(1.089)	11490291	100.000	110(A)
89	Bromoform	173	8.427	8.427	(1.091)	1979894	100.000	110(A)
* 90	1,4-Dichlorobenzene-d4	152	10.171	10.171	(1.000)	1199571	25.0000	
91	Isopropylbenzene	105	8.684	8.684	(0.854)	15787622	100.000	92
92	1,1,2,2-Tetrachloroethane	83	9.203	9.203	(0.905)	3565523	100.000	110(A)
93	Bromobenzene	156	9.069	9.069	(0.892)	4038463	100.000	100(A)
94	1,2,3-Trichloropropane	110	9.337	9.337	(0.918)	1144608	100.000	100(A)
95	trans-1,4-Dichloro-2-Butene	53	9.396	9.396	(0.924)	2216004	200.000	220(A)
96	n-Propylbenzene	91	9.118	9.118	(0.896)	16866074	100.000	82
97	2-Chlorotoluene	91	9.273	9.273	(0.912)	13178777	100.000	100(A)
98	4-Chlorotoluene	91	9.455	9.455	(0.930)	13688803	100.000	100(A)
99	1,3,5-Trimethylbenzene	105	9.342	9.342	(0.918)	14915334	100.000	97
100	tert-Butylbenzene	119	9.679	9.679	(0.952)	13672145	100.000	110(A)
101	1,2,4-Trimethylbenzene	105	9.754	9.754	(0.959)	14910081	100.000	95
102	sec-Butylbenzene	105	9.867	9.867	(0.970)	16560649	100.000	85
103	4-Isopropyltoluene	119	10.038	10.038	(0.987)	15319070	100.000	92
104	1,3-Dichlorobenzene	146	10.091	10.091	(0.992)	8778358	100.000	110(A)
105	1,4-Dichlorobenzene	146	10.188	10.188	(1.002)	8893186	100.000	100(A)
106	1,2-Dichlorobenzene	146	10.653	10.653	(1.047)	8444467	100.000	100(A)
107	Benzyl Chloride	126	10.476	10.476	(1.030)	1761223	100.000	100(A)
108	n-Butylbenzene	91	10.498	10.498	(1.032)	17330325	100.000	94
111	1,2-Dibromo-3-chloropropane	75	11.562	11.562	(1.137)	870607	100.000	100(A)
112	Nitrobenzene	77	12.220	12.220	(1.201)	3840083	1000.00	1400(A)
113	1,2,4-Trichlorobenzene	180	12.354	12.354	(1.215)	6202920	100.000	100(A)
114	Hexachlorobutadiene	225	12.338	12.338	(1.213)	2915838	100.000	95
115	Naphthalene	128	12.729	12.729	(1.251)	14543501	100.000	95
116	1,2,3-Trichlorobenzene	180	12.948	12.948	(1.273)	5833909	100.000	100(A)
$ 117	Bromofluorobenzene	95	8.973	8.973	(0.882)	5205014	100.000	99
M 118	1,2-Dichloroethene (total)	100				6588262	200.000	210
M 119	Xylene (total)	100				19669383	300.000	320

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.


Data File: \\TARGET1_CT\Files\chem\VOA\msw.i\W050001.b\W0007.D
Date : 16-MAY-2005 17:44
Client ID: VSTD100WA
Sample Info: VSTD100WA
Purge Volume: 5.0
Column phase: RTX-624
Instrument: msw.i
Operator: M.Crowe
Column diameter: 0.53
\\TARGET1_CT\Files\chem\VOA\msw.i\W050001.b\W0007.D
Y (x10^7)
Min
-Chloromethane
-Bromomethane
-Chloroethane
-Ethyl Ether
-Iodomethane
-Acrolein
-Methylene Chloride
-Acetone
-tert-Butyl alcohol
-Acetonitrile
-Acrylonitrile
-Isopropyl ether
-tert-Butyl ethyl ether
-Chloroform
-Bromochloromethane+
-Benzene
-tert-Amyl methyl ether+
-Fluorobenzene
-Methyl Cyclohexane+
-Dibromomethane
-Methyl Methacrylate
-Chloroacetonitrile
-Dibromochloromethane
-1,2-Dibromoethane
-2-Hexanone
-Chlorobenzene
Xylene (total)m,p
-Isopropylbenzene
-Bromofluorobenzene
-n-Propylbenzene
-2-Chlorotoluene
-1,2,3-Trichloropropane+
-4-Chlorotoluene
-tert-Butylbenzene
-sec-Butylbenzene
-4-Isopropyltoluene
-1,4-Dichlorobenzene
-n-Butylbenzene
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-Nitrobenzene
-1,2,4-Trichlorobenzene+
-Naphthalene
-1,2,3-Trichlorobenzene
Page 4

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSL Calibration Date: 07/08/05 Time: 0944

Lab File ID: L1895 Init. Calib. Date(s): 06/22/05 06/22/05

Heated Purge: (Y/N) N Init. Calib. Times: 1608 1745

GC Column: RTX-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.314	0.336	0.01	7.0	100
Chloromethane	0.614	0.636	0.1	3.6	100
Vinyl Chloride	0.573	0.602	0.01	5.1	20.0
Bromomethane	0.268	0.275	0.01	2.6	100
Chloroethane	0.359	0.373	0.01	3.9	100
Trichlorofluoromethane	0.535	0.562	0.01	5.0	100
Ethyl Ether	0.373	0.379	0.01	1.6	100
Freon 141	0.688	0.725	0.01	5.4	100
Freon 123a	0.135	0.125	0.01	7.4	100
Trichlorotrifluoroethane	0.348	0.367	0.01	5.4	100
Acrolein	0.073	0.100	0.001	37.0	100
1,1-Dichloroethene	0.348	0.359	0.01	3.2	20.0
Acetone	0.250	0.222	0.01	11.2	100
Iodomethane	0.547	0.624	0.01	14.1	100
Carbon Disulfide	1.603	1.551	0.01	3.2	100
3-Chloro-1-Propene	0.865	0.910	0.01	5.2	100
tert-Butyl alcohol	0.078	0.088	0.001	12.8	100
Methylene Chloride	0.573	0.542	0.01	5.4	100
Methyl tert-Butyl Ether	1.526	1.523	0.01	0.2	100
Ethyl Acetate	0.174	0.147	0.01	15.5	100
trans-1,2-Dichloroethene	0.427	0.421	0.01	1.4	100
Acrylonitrile	0.385	0.619	0.01	60.8	100
Isopropyl ether	2.116	2.234		5.6	100
1,1-Dichloroethane	1.077	1.107	0.1	2.8	100
tert-Butyl ethyl ether	1.827	1.869		2.3	100
2,2-Dichloropropane	0.792	0.823	0.01	3.9	100
cis-1,2-Dichloroethene	0.460	0.475	0.01	3.3	100
2-Butanone	0.454	0.360	0.01	20.7	100
Methyl Acrylate	0.613	0.587	0.01	4.2	100
Propionitrile	0.094	0.094	0.01	0.0	100
Bromochloromethane	0.286	0.296	0.01	3.5	100
2-Methyl-2-Propenenitrile	0.473	0.470	0.01	0.6	100
Tetrahydrofuran	0.194	0.195	0.01	0.5	100
Chloroform	0.889	0.922	0.01	3.7	20.0
tert-Butyl formate	0.323	0.116		64.1	100
1,1,1-Trichloroethane	0.598	0.625	0.01	4.5	100
1-Chlorobutane	0.802	0.827	0.01	3.1	100

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSL Calibration Date: 07/08/05 Time: 0944

Lab File ID: L1895 Init. Calib. Date(s): 06/22/05 06/22/05

Heated Purge: (Y/N) N Init. Calib. Times: 1608 1745

GC Column: RTX-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Carbon Tetrachloride	0.547	0.580	0.01	6.0	100	
Chloroacetonitrile	0.026	0.028	0.001	7.7	100	
1,1-Dichloropropene	0.754	0.756	0.01	0.3	100	
Benzene	1.984	2.056	0.01	3.6	100	
tert-Amyl methyl ether	1.708	1.753		2.6	100	
1,2-Dichloroethane	0.786	0.787	0.01	0.1	100	
2-Chloro-1,3-Butadiene	0.321	0.338	0.01	5.3	100	
Vinyl Acetate	1.757	1.652	0.01	6.0	100	
2,4,4-Trimethyl 1-Pentene					100	<-
Trichloroethene	0.501	0.522	0.01	4.2	100	
2,4,4-Trimethyl 2-Pentene					100	<-
1,2-Dichloropropane	0.606	0.615	0.01	1.5	20.0	
Methyl Methacrylate	0.449	0.437	0.01	2.7	100	
1,4-Dioxane	0.004	0.005	0.001	25.0	100	
Dibromomethane	0.326	0.330	0.01	1.2	100	
Bromodichloromethane	0.630	0.653	0.01	3.6	100	
2-Nitropropane	0.184	0.178	0.01	3.3	100	
2-Chloroethylvinylether	0.351	0.079	0.001	77.5	100	
cis-1,3-Dichloropropene	0.901	0.939	0.01	4.2	100	
trans-1,3-Dichloropropene	0.834	0.858	0.01	2.9	100	
1,1,2-Trichloroethane	0.376	0.388	0.01	3.2	100	
4-Methyl-2-Pentanone	0.976	0.837	0.01	14.2	100	
Toluene	2.140	1.964	0.01	8.2	20.0	
Ethyl Methacrylate	1.071	0.960	0.01	10.4	100	
Tetrachloroethene	0.387	0.347	0.01	10.3	100	
1,3-Dichloropropane	1.170	1.043	0.01	10.8	100	
2-Hexanone	0.695	0.586	0.01	15.7	100	
Dibromochloromethane	0.710	0.663	0.01	6.6	100	
1,2-Dibromoethane	0.605	0.540	0.01	10.7	100	
1,1-Dichloro-2-propanone	0.514	0.438	0.01	14.8	100	
1-Chlorohexane	0.586	0.524	0.01	10.6	100	
Chlorobenzene	1.373	1.245	0.3	9.3	100	
1,1,1,2-Tetrachloroethane	0.593	0.553	0.01	6.7	100	
Ethylbenzene	0.624	0.592	0.01	5.1	20.0	
Xylene (total)mp	0.810	0.739	0.01	8.8	100	
Xylene (total)o	0.780	0.730	0.01	6.4	100	
Styrene	1.377	1.297	0.01	5.8	100	

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSL Calibration Date: 07/08/05 Time: 0944

Lab File ID: L1895 Init. Calib. Date(s): 06/22/05 06/22/05

Heated Purge: (Y/N) N Init. Calib. Times: 1608 1745

GC Column: RTX-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Bromoform	0.404	0.363	0.1	10.1	100	
Isopropylbenzene	3.935	3.316	0.01	15.7	100	
1,1,2,2-Tetrachloroethane	1.715	1.385	0.3	19.2	100	
Bromobenzene	1.291	1.066	0.01	17.4	100	
1,2,3-Trichloropropane	0.435	0.345	0.01	20.7	100	
trans-1,4-Dichloro-2-Butene	0.422	0.320	0.01	24.2	100	
n-Propylbenzene	4.674	3.969	0.01	15.1	100	
2-Chlorotoluene	3.123	2.652	0.01	15.1	100	
4-Chlorotoluene	3.258	2.745	0.01	15.7	100	
1,3,5-Trimethylbenzene	3.154	2.638	0.01	16.4	100	
tert-Butylbenzene	2.633	2.210	0.01	16.1	100	
1,2,4-Trimethylbenzene	3.201	2.723	0.01	14.9	100	
sec-Butylbenzene	3.169	2.730	0.01	13.8	100	
4-Isopropyltoluene	3.106	2.645	0.01	14.8	100	
1,3-Dichlorobenzene	2.247	1.787	0.01	20.5	100	
1,4-Dichlorobenzene	2.310	1.891	0.01	18.1	100	
1,2-Dichlorobenzene	2.201	1.814	0.01	17.6	100	
Benzyl Chloride	0.541	0.475	0.01	12.2	100	
Pentachloroethane					100	<-
n-Butylbenzene	4.935	4.163	0.01	15.6	100	
Hexachloroethane					100	<-
1,2-Dibromo-3-chloropropane	0.315	0.254	0.01	19.4	100	
Nitrobenzene	0.080	0.063	0.01	21.2	100	
1,2,4-Trichlorobenzene	0.932	0.751	0.01	19.4	100	
Hexachlorobutadiene	0.558	0.447	0.01	19.9	100	
Naphthalene	3.073	2.378	0.01	22.6	100	
1,2,3-Trichlorobenzene	0.837	0.640	0.01	23.5	100	
Xylene (total)	0.800	0.736	0.01	8.0	100	
1,2-Dichloroethene (total)	0.443	0.448	0.01	1.1	100	
Methyl Cyclohexane	0.456	0.484	0.01	6.1	100	
Cyclohexane	0.554	0.575	0.01	3.8	100	
Methyl Acetate	1.284	1.245	0.01	3.0	100	
Heptane					40.0	<-
Acetonitrile	0.103	0.110	0.001	6.8	100	
Isobutyl alcohol	0.018	0.021	0.001	16.7	100	
n-Butyl Acetate			0.01		100	<-
Dichlorofluoromethane	0.981	0.999	0.01	1.8	100	

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSL Calibration Date: 07/08/05 Time: 0944

Lab File ID: L1895 Init. Calib. Date(s): 06/22/05 06/22/05

Heated Purge: (Y/N) N Init. Calib. Times: 1608 1745

GC Column: RTX-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1-Bromopropane	0.870	0.909	0.01	4.5	100
Dibromofluoromethane	0.327	0.307	0.01	6.1	100
1,2-Dichloroethane-d4	0.478	0.446	0.01	6.7	100
Toluene-d8	1.251	1.072	0.01	14.3	100
Bromofluorobenzene	1.050	0.885	0.01	15.7	100

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\FILES\chem\VOA\msl.i\L051895.b\L1895.D
Lab Smp Id: VSTD050LC Client Smp ID: VSTD050LC
Inj Date : 08-JUL-2005 09:44 MS Autotune Date: 26-APR-2004 14:21
Operator : D. HUMBERT Inst ID: msl.i
Smp Info : VSTD050LC
Misc Info : : ;;; VSTD050LC ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msl.i\L051895.b\L8260BFW.m
Meth Date : 08-Jul-2005 10:35 dave Quant Type: ISTD
Cal Date : 22-JUN-2005 17:45 Cal File: L1545.D
Als bottle: 72 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	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

DH 7/8/05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 1 Fluorobenzene	96	5.116	5.116	(1.000)	297782	25.0000	
2 Dichlorodifluoromethane	85	1.210	1.210	(0.237)	200381	50.0000	54
3 Chloromethane	50	1.328	1.328	(0.260)	378561	50.0000	52
4 Vinyl Chloride	62	1.377	1.377	(0.269)	358527	50.0000	52
5 Bromomethane	94	1.574	1.574	(0.308)	163566	50.0000	51
6 Chloroethane	64	1.653	1.653	(0.323)	222295	50.0000	52
7 Trichlorofluoromethane	101	1.732	1.732	(0.339)	335063	50.0000	52
8 Dichlorofluoromethane	67	1.751	1.751	(0.342)	594960	50.0000	51
9 Ethyl Ether	45	1.909	1.909	(0.373)	225698	50.0000	51
10 Freon 141	81	1.978	1.978	(0.387)	431953	50.0000	53
11 Freon 123a	67	2.056	2.056	(0.402)	74596	50.0000	46
12 Trichlorotrifluoroethane	101	2.066	2.066	(0.404)	218822	50.0000	53
13 1,1-Dichloroethene	96	2.056	2.056	(0.402)	213675	50.0000	52
14 Carbon Disulfide	76	2.096	2.096	(0.410)	923773	50.0000	48
15 Iodomethane	142	2.164	2.164	(0.423)	371408	50.0000	57
16 3-Chloro-1-Propene	41	2.371	2.371	(0.464)	541952	50.0000	52
17 Methylene Chloride	84	2.450	2.450	(0.479)	322733	50.0000	47
18 Acetone	43	2.469	2.469	(0.483)	132175	50.0000	44
19 trans-1,2-Dichloroethene	96	2.578	2.578	(0.504)	250858	50.0000	49
20 Methyl tert-Butyl Ether	73	2.647	2.647	(0.517)	907051	50.0000	50
21 Acrolein	56	2.263	2.263	(0.442)	297420	250.000	340
22 tert-Butyl alcohol	59	2.686	2.686	(0.525)	261837	250.000	280

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	23 Methyl Acetate	43	2.558	2.558	(0.500)	741691	50.0000	48
	24 Acetonitrile	41	2.833	2.833	(0.554)	652163	500.000	530
	25 Isopropyl ether	45	2.961	2.961	(0.579)	1330365	50.0000	53
	26 tert-Butyl ethyl ether	59	3.316	3.316	(0.648)	1113332	50.0000	51
	27 Acrylonitrile	53	3.070	3.070	(0.600)	737485	100.000	160
	28 2-Chloro-1,3-Butadiene	88	3.079	3.079	(0.602)	201472	50.0000	53
	29 1,1-Dichloroethane	63	3.089	3.089	(0.604)	659525	50.0000	51
	30 Vinyl Acetate	43	3.316	3.316	(0.648)	984099	50.0000	47
	31 cis-1,2-Dichloroethene	96	3.640	3.640	(0.712)	282920	50.0000	52
	32 2,2-Dichloropropane	77	3.758	3.758	(0.735)	490170	50.0000	52
	33 Bromochloromethane	128	3.867	3.867	(0.756)	176360	50.0000	52
	34 1-Bromopropane	43	3.857	3.857	(0.754)	541182	50.0000	52
	35 Chloroform	83	3.945	3.945	(0.771)	548966	50.0000	52
	36 Ethyl Acetate	43	4.103	4.103	(0.802)	175601	100.000	85
	37 Methyl Acrylate	55	4.113	4.113	(0.804)	349671	50.0000	48
$	38 Dibromofluoromethane	111	4.181	4.181	(0.817)	91475	25.0000	23
	39 Tetrahydrofuran	42	4.172	4.172	(0.815)	232669	100.000	100
	40 1,1,1-Trichloroethane	97	4.221	4.221	(0.825)	372261	50.0000	52
	41 Carbon Tetrachloride	117	4.152	4.152	(0.812)	345631	50.0000	53
	42 2-Butanone	43	4.319	4.319	(0.844)	214463	50.0000	40
	43 1,1-Dichloropropene	75	4.368	4.368	(0.854)	450501	50.0000	50
	44 Cyclohexane	84	3.896	3.896	(0.762)	342244	50.0000	52
	45 tert-Amyl methyl ether	73	4.801	4.801	(0.938)	1044078	50.0000	51
	46 tert-Butyl formate	57	4.427	4.427	(0.865)	69153	50.0000	18 (M)
	47 1-Chlorobutane	56	3.896	3.896	(0.762)	492785	50.0000	52
	48 Propionitrile	54	4.644	4.644	(0.908)	562350	500.000	500
	49 Isobutyl alcohol	42	4.900	4.900	(0.958)	126154	500.000	580
	50 Benzene	78	4.654	4.654	(0.910)	1224550	50.0000	52
	51 2-Methyl-2-Propenenitrile	41	4.673	4.673	(0.913)	279993	50.0000	50
$	52 1,2-Dichloroethane-d4	65	4.801	4.801	(0.938)	132771	25.0000	23
	53 1,2-Dichloroethane	62	4.870	4.870	(0.952)	468681	50.0000	50
	57 Methyl Cyclohexane	83	5.313	5.313	(1.038)	288538	50.0000	53
	58 Trichloroethene	130	5.313	5.313	(1.038)	311036	50.0000	52
	59 Dibromomethane	93	5.736	5.736	(1.121)	196710	50.0000	51
	60 1,2-Dichloropropane	63	5.834	5.834	(1.140)	366201	50.0000	51
	61 Bromodichloromethane	83	5.913	5.913	(1.156)	389066	50.0000	52
	62 Methyl Methacrylate	69	6.080	6.080	(1.188)	520197	100.000	97
	63 1,4-Dioxane	58	6.120	6.120	(1.196)	153954	2500.00	3400
	64 2-Chloroethylvinylether	63	6.484	6.484	(1.267)	47263	50.0000	11
	65 cis-1,3-Dichloropropene	75	6.533	6.533	(1.277)	559199	50.0000	52
	66 2-Nitropropane	41	6.956	6.956	(1.360)	212627	100.000	97
	67 Chloroacetonitrile	48	6.867	6.867	(1.342)	337114	1000.00	1100
	68 trans-1,3-Dichloropropene	75	7.153	7.153	(1.398)	511140	50.0000	51
	69 1,1,2-Trichloroethane	97	7.300	7.300	(1.427)	231365	50.0000	52
*	70 Chlorobenzene-d5	117	8.127	8.127	(1.000)	252090	25.0000	
	71 Toluene	91	6.769	6.769	(0.833)	990093	50.0000	46
$	72 Toluene-d8	98	6.720	6.720	(0.827)	270272	25.0000	21
	73 1,1-Dichloro-2-propanone	43	6.976	6.976	(0.858)	1103189	250.000	210
	74 4-Methyl-2-Pentanone	43	7.113	7.113	(0.875)	422171	50.0000	43
	75 Tetrachloroethene	164	7.133	7.133	(0.878)	175184	50.0000	45
	76 Ethyl Methacrylate	69	7.320	7.320	(0.901)	484206	50.0000	45
	77 Dibromochloromethane	129	7.468	7.468	(0.919)	334253	50.0000	47
	78 1,3-Dichloropropane	76	7.537	7.537	(0.927)	525910	50.0000	44
	79 1,2-Dibromoethane	107	7.664	7.664	(0.943)	272085	50.0000	44

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
81	2-Hexanone	43	7.881	7.881	(0.970)	295751	50.0000	42
82	1-Chlorohexane	91	8.137	8.137	(1.001)	264020	50.0000	45
83	Chlorobenzene	112	8.147	8.147	(1.002)	627729	50.0000	45
84	1,1,1,2-Tetrachloroethane	131	8.206	8.206	(1.010)	278804	50.0000	47
85	Ethylbenzene	106	8.176	8.176	(1.006)	298360	50.0000	47
86	Xylene (total)mp	106	8.304	8.304	(1.022)	745136	100.000	91
87	Xylene (total)o	106	8.678	8.678	(1.068)	367901	50.0000	47
88	Styrene	104	8.727	8.727	(1.074)	653784	50.0000	47
89	Bromoform	173	8.757	8.757	(1.077)	183010	50.0000	45
* 90	1,4-Dichlorobenzene-d4	152	10.173	10.173	(1.000)	129786	25.0000	
91	Isopropylbenzene	105	8.963	8.963	(0.881)	860652	50.0000	42
92	1,1,2,2-Tetrachloroethane	83	9.386	9.386	(0.923)	359503	50.0000	40
93	Bromobenzene	156	9.288	9.288	(0.913)	276837	50.0000	41
94	1,2,3-Trichloropropane	110	9.494	9.494	(0.933)	89595	50.0000	40
95	trans-1,4-Dichloro-2-Butene	53	9.524	9.524	(0.936)	165978	100.000	76
96	n-Propylbenzene	91	9.317	9.317	(0.916)	1030160	50.0000	42
97	2-Chlorotoluene	91	9.455	9.455	(0.929)	688529	50.0000	42
98	4-Chlorotoluene	91	9.593	9.593	(0.943)	712530	50.0000	42
99	1,3,5-Trimethylbenzene	105	9.494	9.494	(0.933)	684773	50.0000	42
100	tert-Butylbenzene	119	9.770	9.770	(0.960)	573561	50.0000	42
101	1,2,4-Trimethylbenzene	105	9.829	9.829	(0.966)	706771	50.0000	42
102	sec-Butylbenzene	105	9.927	9.927	(0.976)	708642	50.0000	43
103	4-Isopropyltoluene	119	10.045	10.045	(0.987)	686471	50.0000	42
104	1,3-Dichlorobenzene	146	10.114	10.114	(0.994)	463868	50.0000	40
105	1,4-Dichlorobenzene	146	10.193	10.193	(1.002)	490924	50.0000	41
106	1,2-Dichlorobenzene	146	10.557	10.557	(1.038)	470890	50.0000	41
107	Benzyl Chloride	126	10.400	10.400	(1.022)	123359	50.0000	44
108	n-Butylbenzene	91	10.410	10.410	(1.023)	1080618	50.0000	42
111	1,2-Dibromo-3-chloropropane	75	11.246	11.246	(1.105)	65901	50.0000	40
112	Nitrobenzene	77	11.738	11.738	(1.154)	163367	500.000	390
113	1,2,4-Trichlorobenzene	180	11.856	11.856	(1.165)	194935	50.0000	40
114	Hexachlorobutadiene	225	11.836	11.836	(1.163)	116070	50.0000	40
115	Naphthalene	128	12.131	12.131	(1.192)	617175	50.0000	39
116	1,2,3-Trichlorobenzene	180	12.308	12.308	(1.210)	166067	50.0000	38
$ 117	Bromofluorobenzene	95	9.199	9.199	(0.904)	114820	25.0000	21
M 118	1,2-Dichloroethene (total)	100				533778	100.000	100
M 119	Xylene (total)	100				1113037	150.000	140

QC Flag Legend

M - Compound response manually integrated.

Data File: \\TARGET1_CT\FILES\chem\VOA\msl.i\L051895.b\L1895.D
Date : 08-JUL-2005 09:44
Client ID: VSTD050LC
Sample Info: VSTD050LC
Purge Volume: 5.0
Column phase: RTX-624
Instrument: msl.i
Operator: D. HUMBERT
Column diameter: 0.53
\\TARGET1_CT\FILES\chem\VOA\msl.i\L051895.b\L1895.D
Y (x10^6)
Min
-Dichlorodifluoromethane
-Freon 123a+
-Acetonitrile
-Isopropyl ether
-Acrylonitrile+
-tert-Butyl ethyl ether+
-Methyl Cyclohexane+
-Methyl Methacrylate
-Chlorobenzene-d5+
-Isopropylbenzene
-1,2,3-Trichloropropane+
-Benzyl Chloride+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-Nitrobenzene
-1,2,4-Trichlorobenzene+
-Naphthalene
-1,2,3-Trichlorobenzene

Page 4

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSL Calibration Date: 07/09/05 Time: 1110

Lab File ID: L1924 Init. Calib. Date(s): 06/22/05 06/22/05

Heated Purge: (Y/N) N Init. Calib. Times: 1608 1745

GC Column: RTX-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.314	0.314	0.01	0.0	100
Chloromethane	0.614	0.620	0.1	1.0	100
Vinyl Chloride	0.573	0.590	0.01	3.0	20.0
Bromomethane	0.268	0.299	0.01	11.6	100
Chloroethane	0.359	0.370	0.01	3.1	100
Trichlorofluoromethane	0.535	0.571	0.01	6.7	100
Ethyl Ether	0.373	0.394	0.01	5.6	100
Freon 141	0.688	0.760	0.01	10.5	100
Freon 123a	0.135	0.135	0.01	0.0	100
Trichlorotrifluoroethane	0.348	0.375	0.01	7.8	100
Acrolein	0.073	0.048	0.001	34.2	100
1,1-Dichloroethene	0.348	0.356	0.01	2.3	20.0
Acetone	0.250	0.248	0.01	0.8	100
Iodomethane	0.547	0.361	0.01	34.0	100
Carbon Disulfide	1.603	1.544	0.01	3.7	100
3-Chloro-1-Propene	0.865	0.939	0.01	8.6	100
tert-Butyl alcohol	0.078	0.098	0.001	25.6	100
Methylene Chloride	0.573	0.549	0.01	4.2	100
Methyl tert-Butyl Ether	1.526	1.575	0.01	3.2	100
Ethyl Acetate	0.174	0.160	0.01	8.0	100
trans-1,2-Dichloroethene	0.427	0.442	0.01	3.5	100
Acrylonitrile	0.385	0.400	0.01	3.9	100
Isopropyl ether	2.116	2.242		6.0	100
1,1-Dichloroethane	1.077	1.146	0.1	6.4	100
tert-Butyl ethyl ether	1.827	1.893		3.6	100
2,2-Dichloropropane	0.792	0.842	0.01	6.3	100
cis-1,2-Dichloroethene	0.460	0.481	0.01	4.6	100
2-Butanone	0.454	0.398	0.01	12.3	100
Methyl Acrylate	0.613	0.631	0.01	2.9	100
Propionitrile	0.094	0.099	0.01	5.3	100
Bromochloromethane	0.286	0.304	0.01	6.3	100
2-Methyl-2-Propenenitrile	0.473	0.482	0.01	1.9	100
Tetrahydrofuran	0.194	0.209	0.01	7.7	100
Chloroform	0.889	0.924	0.01	3.9	20.0
tert-Butyl formate	0.323	0.066		79.6	100
1,1,1-Trichloroethane	0.598	0.638	0.01	6.7	100
1-Chlorobutane	0.802	0.826	0.01	3.0	100

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSL Calibration Date: 07/09/05 Time: 1110

Lab File ID: L1924 Init. Calib. Date(s): 06/22/05 06/22/05

Heated Purge: (Y/N) N Init. Calib. Times: 1608 1745

GC Column: RTX-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Carbon Tetrachloride	0.547	0.591	0.01	8.0	100	
Chloroacetonitrile	0.026	0.030	0.001	15.4	100	
1,1-Dichloropropene	0.754	0.782	0.01	3.7	100	
Benzene	1.984	2.099	0.01	5.8	100	
tert-Amyl methyl ether	1.708	1.810		6.0	100	
1,2-Dichloroethane	0.786	0.810	0.01	3.0	100	
2-Chloro-1,3-Butadiene	0.321	0.343	0.01	6.8	100	
Vinyl Acetate	1.757	1.728	0.01	1.6	100	
2,4,4-Trimethyl 1-Pentene					100	<-
Trichloroethene	0.501	0.513	0.01	2.4	100	
2,4,4-Trimethyl 2-Pentene					100	<-
1,2-Dichloropropane	0.606	0.633	0.01	4.4	20.0	
Methyl Methacrylate	0.449	0.456	0.01	1.6	100	
1,4-Dioxane	0.004	0.006	0.001	50.0	100	
Dibromomethane	0.326	0.328	0.01	0.6	100	
Bromodichloromethane	0.630	0.678	0.01	7.6	100	
2-Nitropropane	0.184	0.191	0.01	3.8	100	
2-Chloroethylvinylether	0.351	0.055	0.001	84.3	100	
cis-1,3-Dichloropropene	0.901	0.943	0.01	4.7	100	
trans-1,3-Dichloropropene	0.834	0.884	0.01	6.0	100	
1,1,2-Trichloroethane	0.376	0.390	0.01	3.7	100	
4-Methyl-2-Pentanone	0.976	0.889	0.01	8.9	100	
Toluene	2.140	2.002	0.01	6.4	20.0	
Ethyl Methacrylate	1.071	0.985	0.01	8.0	100	
Tetrachloroethene	0.387	0.344	0.01	11.1	100	
1,3-Dichloropropane	1.170	1.095	0.01	6.4	100	
2-Hexanone	0.695	0.642	0.01	7.6	100	
Dibromochloromethane	0.710	0.670	0.01	5.6	100	
1,2-Dibromoethane	0.605	0.548	0.01	9.4	100	
1,1-Dichloro-2-propanone	0.514	0.464	0.01	9.7	100	
1-Chlorohexane	0.586	0.596	0.01	1.7	100	
Chlorobenzene	1.373	1.256	0.3	8.5	100	
1,1,1,2-Tetrachloroethane	0.593	0.550	0.01	7.2	100	
Ethylbenzene	0.624	0.581	0.01	6.9	20.0	
Xylene (total)mp	0.810	0.737	0.01	9.0	100	
Xylene (total)o	0.780	0.734	0.01	5.9	100	
Styrene	1.377	1.311	0.01	4.8	100	

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSL Calibration Date: 07/09/05 Time: 1110

Lab File ID: L1924 Init. Calib. Date(s): 06/22/05 06/22/05

Heated Purge: (Y/N) N Init. Calib. Times: 1608 1745

GC Column: RTX-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Bromoform	0.404	0.373	0.1	7.7	100	
Isopropylbenzene	3.935	3.487	0.01	11.4	100	
1,1,2,2-Tetrachloroethane	1.715	1.475	0.3	14.0	100	
Bromobenzene	1.291	1.157	0.01	10.4	100	
1,2,3-Trichloropropane	0.435	0.387	0.01	11.0	100	
trans-1,4-Dichloro-2-Butene	0.422	0.369	0.01	12.6	100	
n-Propylbenzene	4.674	4.155	0.01	11.1	100	
2-Chlorotoluene	3.123	2.830	0.01	9.4	100	
4-Chlorotoluene	3.258	2.962	0.01	9.1	100	
1,3,5-Trimethylbenzene	3.154	2.786	0.01	11.7	100	
tert-Butylbenzene	2.633	2.286	0.01	13.2	100	
1,2,4-Trimethylbenzene	3.201	2.843	0.01	11.2	100	
sec-Butylbenzene	3.169	2.820	0.01	11.0	100	
4-Isopropyltoluene	3.106	2.717	0.01	12.5	100	
1,3-Dichlorobenzene	2.247	1.950	0.01	13.2	100	
1,4-Dichlorobenzene	2.310	2.039	0.01	11.7	100	
1,2-Dichlorobenzene	2.201	1.954	0.01	11.2	100	
Benzyl Chloride	0.541	0.502	0.01	7.2	100	
Pentachloroethane					100	<-
n-Butylbenzene	4.935	4.413	0.01	10.6	100	
Hexachloroethane					100	<-
1,2-Dibromo-3-chloropropane	0.315	0.258	0.01	18.1	100	
Nitrobenzene	0.080	0.083	0.01	3.8	100	
1,2,4-Trichlorobenzene	0.932	0.777	0.01	16.6	100	
Hexachlorobutadiene	0.558	0.425	0.01	23.8	100	
Naphthalene	3.073	2.637	0.01	14.2	100	
1,2,3-Trichlorobenzene	0.837	0.660	0.01	21.1	100	
Xylene (total)	0.800	0.736	0.01	8.0	100	
1,2-Dichloroethene (total)	0.443	0.462	0.01	4.3	100	
Methyl Cyclohexane	0.456	0.470	0.01	3.1	100	
Cyclohexane	0.554	0.585	0.01	5.6	100	
Methyl Acetate	1.284	1.335	0.01	4.0	100	
Heptane					40.0	<-
Acetonitrile	0.103	0.114	0.001	10.7	100	
Isobutyl alcohol	0.018	0.031	0.001	72.2	100	
n-Butyl Acetate			0.01		100	<-
Dichlorofluoromethane	0.981	1.043	0.01	6.3	100	

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSL Calibration Date: 07/09/05 Time: 1110

Lab File ID: L1924 Init. Calib. Date(s): 06/22/05 06/22/05

Heated Purge: (Y/N) N Init. Calib. Times: 1608 1745

GC Column: RTX-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1-Bromopropane	0.870	0.916	0.01	5.3	100
Dibromofluoromethane	0.327	0.294	0.01	10.1	100
1,2-Dichloroethane-d4	0.478	0.427	0.01	10.7	100
Toluene-d8	1.251	1.045	0.01	16.5	100
Bromofluorobenzene	1.050	0.847	0.01	19.3	100

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\FILES\chem\VOA\msl.i\L051924.b\L1924.D
Lab Smp Id: VSTD050LE Client Smp ID: VSTD050LE
Inj Date : 09-JUL-2005 11:10 MS Autotune Date: 26-APR-2004 14:21
Operator : D. HUMBERT Inst ID: msl.i
Smp Info : VSTD050LE
Misc Info : : ;;; VSTD050LE ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msl.i\L051924.b\L8260BFW.m
Meth Date : 09-Jul-2005 15:13 larryd Quant Type: ISTD
Cal Date : 22-JUN-2005 17:45 Cal File: L1545.D
Als bottle: 96 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	5.000	ng unit correction factor
Vo	5.000	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 Fluorobenzene	96	5.126	5.126	(1.000)	302399	25.0000	
2 Dichlorodifluoromethane	85	1.220	1.220	(0.238)	190062	50.0000	50
3 Chloromethane	50	1.338	1.338	(0.261)	375082	50.0000	50
4 Vinyl Chloride	62	1.378	1.378	(0.269)	356698	50.0000	51
5 Bromomethane	94	1.575	1.575	(0.307)	180632	50.0000	56
6 Chloroethane	64	1.653	1.653	(0.323)	223927	50.0000	51
7 Trichlorofluoromethane	101	1.742	1.742	(0.340)	345125	50.0000	53
8 Dichlorofluoromethane	67	1.752	1.752	(0.342)	630894	50.0000	53
9 Ethyl Ether	45	1.919	1.919	(0.374)	238194	50.0000	53
10 Freon 141	81	1.988	1.988	(0.388)	459607	50.0000	55
11 Freon 123a	67	2.057	2.057	(0.401)	81942	50.0000	50
12 Trichlorotrifluoroethane	101	2.076	2.076	(0.405)	226697	50.0000	54
13 1,1-Dichloroethene	96	2.057	2.057	(0.401)	215530	50.0000	51
14 Carbon Disulfide	76	2.106	2.106	(0.411)	934067	50.0000	48
15 Iodomethane	142	2.165	2.165	(0.422)	218091	50.0000	33
16 3-Chloro-1-Propene	41	2.371	2.371	(0.463)	567786	50.0000	54
17 Methylene Chloride	84	2.450	2.450	(0.478)	332228	50.0000	48
18 Acetone	43	2.480	2.480	(0.484)	149858	50.0000	50
19 trans-1,2-Dichloroethene	96	2.578	2.578	(0.503)	267470	50.0000	52
20 Methyl tert-Butyl Ether	73	2.657	2.657	(0.518)	952571	50.0000	52
21 Acrolein	56	2.273	2.273	(0.443)	145131	250.000	160
22 tert-Butyl alcohol	59	2.696	2.696	(0.526)	295803	250.000	310

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	23 Methyl Acetate	43	2.568	2.568	(0.501)	807372	50.0000	52
	24 Acetonitrile	41	2.834	2.834	(0.553)	693066	500.000	560
	25 Isopropyl ether	45	2.972	2.972	(0.580)	1355801	50.0000	53
	26 tert-Butyl ethyl ether	59	3.316	3.316	(0.647)	1144681	50.0000	52
	27 Acrylonitrile	53	3.080	3.080	(0.601)	483761	100.000	100
	28 2-Chloro-1,3-Butadiene	88	3.080	3.080	(0.601)	207347	50.0000	53
	29 1,1-Dichloroethane	63	3.100	3.100	(0.605)	693154	50.0000	53
	30 Vinyl Acetate	43	3.316	3.316	(0.647)	1044867	50.0000	49
	31 cis-1,2-Dichloroethene	96	3.641	3.641	(0.710)	290966	50.0000	52
	32 2,2-Dichloropropane	77	3.769	3.769	(0.735)	509094	50.0000	53
	33 Bromochloromethane	128	3.877	3.877	(0.756)	183902	50.0000	53
	34 1-Bromopropane	43	3.867	3.867	(0.754)	554304	50.0000	53
	35 Chloroform	83	3.956	3.956	(0.772)	558930	50.0000	52
	36 Ethyl Acetate	43	4.103	4.103	(0.800)	193782	100.000	92
	37 Methyl Acrylate	55	4.113	4.113	(0.802)	381823	50.0000	52
$	38 Dibromofluoromethane	111	4.182	4.182	(0.816)	88989	25.0000	22
	39 Tetrahydrofuran	42	4.182	4.182	(0.816)	252975	100.000	110
	40 1,1,1-Trichloroethane	97	4.231	4.231	(0.825)	386016	50.0000	53
	41 Carbon Tetrachloride	117	4.162	4.162	(0.812)	357313	50.0000	54
	42 2-Butanone	43	4.329	4.329	(0.845)	240731	50.0000	44
	43 1,1-Dichloropropene	75	4.379	4.379	(0.854)	472857	50.0000	52
	44 Cyclohexane	84	3.906	3.906	(0.762)	354093	50.0000	53
	45 tert-Amyl methyl ether	73	4.802	4.802	(0.937)	1094861	50.0000	53
	46 tert-Butyl formate	57	4.428	4.428	(0.864)	39842	50.0000	10
	47 1-Chlorobutane	56	3.906	3.906	(0.762)	499789	50.0000	52
	48 Propionitrile	54	4.644	4.644	(0.906)	597339	500.000	520
	49 Isobutyl alcohol	42	4.900	4.900	(0.956)	187228	500.000	840
	50 Benzene	78	4.664	4.664	(0.910)	1269576	50.0000	53
	51 2-Methyl-2-Propenenitrile	41	4.684	4.684	(0.914)	291577	50.0000	51
$	52 1,2-Dichloroethane-d4	65	4.802	4.802	(0.937)	129053	25.0000	22
	53 1,2-Dichloroethane	62	4.880	4.880	(0.952)	489938	50.0000	52
	57 Methyl Cyclohexane	83	5.313	5.313	(1.036)	284378	50.0000	52
	58 Trichloroethene	130	5.313	5.313	(1.036)	310528	50.0000	51
	59 Dibromomethane	93	5.746	5.746	(1.121)	198469	50.0000	50
	60 1,2-Dichloropropane	63	5.835	5.835	(1.138)	382878	50.0000	52
	61 Bromodichloromethane	83	5.923	5.923	(1.155)	410271	50.0000	54
	62 Methyl Methacrylate	69	6.091	6.091	(1.188)	551779	100.000	100
	63 1,4-Dioxane	58	6.130	6.130	(1.196)	174104	2500.00	3800
	64 2-Chloroethylvinylether	63	6.484	6.484	(1.265)	33334	50.0000	8
	65 cis-1,3-Dichloropropene	75	6.543	6.543	(1.276)	570505	50.0000	52
	66 2-Nitropropane	41	6.956	6.956	(1.357)	230782	100.000	100
	67 Chloroacetonitrile	48	6.878	6.878	(1.342)	359541	1000.00	1100
	68 trans-1,3-Dichloropropene	75	7.153	7.153	(1.395)	534872	50.0000	53
	69 1,1,2-Trichloroethane	97	7.301	7.301	(1.424)	235982	50.0000	52
*	70 Chlorobenzene-d5	117	8.137	8.137	(1.000)	259486	25.0000	
	71 Toluene	91	6.769	6.769	(0.832)	1039084	50.0000	47
$	72 Toluene-d8	98	6.720	6.720	(0.826)	271072	25.0000	21
	73 1,1-Dichloro-2-propanone	43	6.986	6.986	(0.859)	1204198	250.000	220
	74 4-Methyl-2-Pentanone	43	7.114	7.114	(0.874)	461526	50.0000	46
	75 Tetrachloroethene	164	7.143	7.143	(0.878)	178576	50.0000	44
	76 Ethyl Methacrylate	69	7.320	7.320	(0.900)	511144	50.0000	46
	77 Dibromochloromethane	129	7.468	7.468	(0.918)	347934	50.0000	47
	78 1,3-Dichloropropane	76	7.547	7.547	(0.927)	568318	50.0000	47
	79 1,2-Dibromoethane	107	7.675	7.675	(0.943)	284495	50.0000	45

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	81 2-Hexanone	43	7.881	7.881	(0.969)	333060	50.0000	46
	82 1-Chlorohexane	91	8.137	8.137	(1.000)	309413	50.0000	51
	83 Chlorobenzene	112	8.147	8.147	(1.001)	651957	50.0000	46
	84 1,1,1,2-Tetrachloroethane	131	8.206	8.206	(1.008)	285319	50.0000	46
	85 Ethylbenzene	106	8.176	8.176	(1.005)	301739	50.0000	47
	86 Xylene (total)mp	106	8.314	8.314	(1.022)	764739	100.000	91
	87 Xylene (total)o	106	8.688	8.688	(1.068)	380919	50.0000	47
	88 Styrene	104	8.727	8.727	(1.073)	680595	50.0000	48
	89 Bromoform	173	8.757	8.757	(1.076)	193831	50.0000	46
*	90 1,4-Dichlorobenzene-d4	152	10.184	10.184	(1.000)	125774	25.0000	
	91 Isopropylbenzene	105	8.964	8.964	(0.880)	877051	50.0000	44
	92 1,1,2,2-Tetrachloroethane	83	9.387	9.387	(0.922)	371045	50.0000	43
	93 Bromobenzene	156	9.298	9.298	(0.913)	291126	50.0000	45
	94 1,2,3-Trichloropropane	110	9.495	9.495	(0.932)	97367	50.0000	44
	95 trans-1,4-Dichloro-2-Butene	53	9.534	9.534	(0.936)	185850	100.000	87
	96 n-Propylbenzene	91	9.328	9.328	(0.916)	1045276	50.0000	44
	97 2-Chlorotoluene	91	9.456	9.456	(0.928)	711830	50.0000	45
	98 4-Chlorotoluene	91	9.603	9.603	(0.943)	745075	50.0000	45
	99 1,3,5-Trimethylbenzene	105	9.495	9.495	(0.932)	700889	50.0000	44
	100 tert-Butylbenzene	119	9.770	9.770	(0.959)	575056	50.0000	43
	101 1,2,4-Trimethylbenzene	105	9.829	9.829	(0.965)	715227	50.0000	44
	102 sec-Butylbenzene	105	9.928	9.928	(0.975)	709319	50.0000	44
	103 4-Isopropyltoluene	119	10.056	10.056	(0.987)	683506	50.0000	44
	104 1,3-Dichlorobenzene	146	10.115	10.115	(0.993)	490619	50.0000	43
	105 1,4-Dichlorobenzene	146	10.193	10.193	(1.001)	512980	50.0000	44
	106 1,2-Dichlorobenzene	146	10.558	10.558	(1.037)	491586	50.0000	44
	107 Benzyl Chloride	126	10.400	10.400	(1.021)	126256	50.0000	46
	108 n-Butylbenzene	91	10.410	10.410	(1.022)	1110159	50.0000	45
	111 1,2-Dibromo-3-chloropropane	75	11.256	11.256	(1.105)	64956	50.0000	41
	112 Nitrobenzene	77	11.738	11.738	(1.153)	208385	500.000	520
	113 1,2,4-Trichlorobenzene	180	11.856	11.856	(1.164)	195488	50.0000	42
	114 Hexachlorobutadiene	225	11.837	11.837	(1.162)	106949	50.0000	38
	115 Naphthalene	128	12.142	12.142	(1.192)	663410	50.0000	43
	116 1,2,3-Trichlorobenzene	180	12.309	12.309	(1.209)	165958	50.0000	39
$	117 Bromofluorobenzene	95	9.210	9.210	(0.904)	106510	25.0000	20
M	118 1,2-Dichloroethene (total)	100				558436	100.000	100
M	119 Xylene (total)	100				1145658	150.000	140

Data File: \\TARGET1_CT\FILES\chem\VOA\msl.i\L051924.b\L1924.D
Date : 09-JUL-2003 11:10
Client ID: VSTD050LE
Sample Info: VSTD050LE
Purge Volume: 5.0
Column phase: RTK-624
Instrument: msl.i
Operator: D. HUMBERT
Column diameter: 0.53
Y (x10^6)
Min
-Dichlorodifluoromethane
-Chloromethane
-Trichlorofluoromethane+
-Freon 123a+
-Acrolein
-Acetone
-Methyl tert-butyl Ether
-Acetonitrile
-Isopropyl ether
-Acrylonitrile+
-tert-Butyl ethyl ether+
-cis-1,2-Dichloroethene
-2,2-Dichloropropane
-Bromochloromethane+
-2-Butanone
-Propionitrile+
-Tert-Amyl methyl ether+
-Isobutyl alcohol+
-Fluorobenzene
-Methyl Cyclohexane+
-Dibromomethane
-1,2-Dichloropropane
-Methyl Methacrylate
-2-Chloroethylvinylether
-cis-1,3-Dichloropropene
-Toluene-d8
-Toluene
-Chloroacetonitrile
-trans-1,3-Dichloropropene+
-1,1,2-Trichloroethane+
-Dibromochloromethane
-1,3-Dichloropropane
-1,2-Dibromoethane
-2-Hexanone
-Chlorobenzene-d5+
Xylene (total)mp
-Xylene (total)o
-Isopropylbenzene
-Bromofluorobenzene
1,2,3-Trichloropropane+
-tert-Butylbenzene
-sec-Butylbenzene
-1,3-Dichlorobenzene-d4+
-1,4-Dichlorobenzene-d4+
-Benzyl Chloride
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-Nitrobenzene
-Naphthalene
-1,2,3-Trichlorobenzene
\\TARGET1_CT\FILES\chem\VOA\msl.i\L051924.b\L1924.D

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSW Calibration Date: 06/14/05 Time: 0941

Lab File ID: W0447 Init. Calib. Date(s): 05/16/05 05/16/05

Heated Purge: (Y/N) N Init. Calib. Times: 1329 1744

GC Column: RTX-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.250	0.289	0.01	15.6	100
Chloromethane	0.448	0.387	0.1	13.6	100
Vinyl Chloride	0.329	0.315	0.01	4.2	20.0
Bromomethane	0.120	0.084	0.01	30.0	100
Chloroethane	0.167	0.174	0.01	4.2	100
Trichlorofluoromethane	0.371	0.508	0.01	36.9	100
Ethyl Ether	0.233	0.209	0.01	10.3	100
Freon 141	0.476	0.589	0.01	23.7	100
Freon 123a	0.064	0.068	0.01	6.2	100
Trichlorotrifluoroethane	0.273	0.311	0.01	13.9	100
Acrolein	0.011	0.006	0.001	45.4	100
1,1-Dichloroethene	0.237	0.242	0.01	2.1	20.0
Acetone	0.200	0.096	0.01	52.0	100
Iodomethane	0.284	0.199	0.01	29.9	100
Carbon Disulfide	0.884	0.898	0.01	1.6	100
3-Chloro-1-Propene	0.588	0.580	0.01	1.4	100
tert-Butyl alcohol	0.047	0.028	0.001	40.4	100
Methylene Chloride	0.319	0.294	0.01	7.8	100
Methyl tert-Butyl Ether	0.890	0.757	0.01	14.9	100
Ethyl Acetate	0.220	0.154	0.01	30.0	100
trans-1,2-Dichloroethene	0.281	0.298	0.01	6.0	100
Acrylonitrile	0.146	0.097	0.01	33.6	100
Isopropyl ether	1.350	1.309		3.0	100
1,1-Dichloroethane	0.586	0.620	0.1	5.8	100
tert-Butyl ethyl ether	1.117	1.039		7.0	100
2,2-Dichloropropane	0.466	0.526	0.01	12.9	100
cis-1,2-Dichloroethene	0.307	0.323	0.01	5.2	100
2-Butanone	0.250	0.135	0.01	46.0	100
Methyl Acrylate	0.301	0.209	0.01	30.6	100
Propionitrile	0.050	0.034	0.01	32.0	100
Bromochloromethane	0.129	0.137	0.01	6.2	100
2-Methyl-2-Propenenitrile	0.222	0.170	0.01	23.4	100
Tetrahydrofuran	0.123	0.094	0.01	23.6	100
Chloroform	0.498	0.565	0.01	13.4	20.0
tert-Butyl formate	0.122	0.045		63.1	100
1,1,1-Trichloroethane	0.447	0.538	0.01	20.4	100
1-Chlorobutane	0.775	0.809	0.01	4.4	100

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSW Calibration Date: 06/14/05 Time: 0941

Lab File ID: W0447 Init. Calib. Date(s): 05/16/05 05/16/05

Heated Purge: (Y/N) N Init. Calib. Times: 1329 1744

GC Column: RTX-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D	
Carbon Tetrachloride	0.380	0.475	0.01	25.0	100	
Chloroacetonitrile	0.014	0.009	0.001	35.7	100	
1,1-Dichloropropene	0.424	0.454	0.01	7.1	100	
Benzene	1.295	1.245	0.01	3.9	100	
tert-Amyl methyl ether	0.950	0.813		14.4	100	
1,2-Dichloroethane	0.417	0.453	0.01	8.6	100	
2-Chloro-1,3-Butadiene	0.230	0.221	0.01	3.9	100	
Vinyl Acetate	0.839	0.661	0.01	21.2	100	
2,4,4-Trimethyl 1-Pentene					100	<-
Trichloroethene	0.334	0.339	0.01	1.5	100	
2,4,4-Trimethyl 2-Pentene					100	<-
1,2-Dichloropropane	0.328	0.316	0.01	3.6	20.0	
Methyl Methacrylate	0.196	0.134	0.01	31.6	100	
1,4-Dioxane	0.003	0.002	0.001	33.3	100	
Dibromomethane	0.158	0.151	0.01	4.4	100	
Bromodichloromethane	0.364	0.392	0.01	7.7	100	
2-Nitropropane	0.085	0.062	0.01	27.0	100	
2-Chloroethylvinylether	0.058	0.007	0.001	87.9	100	
cis-1,3-Dichloropropene	0.484	0.451	0.01	6.8	100	
trans-1,3-Dichloropropene	0.451	0.413	0.01	8.4	100	
1,1,2-Trichloroethane	0.239	0.211	0.01	11.7	100	
4-Methyl-2-Pentanone	0.472	0.286	0.01	39.4	100	
Toluene	1.866	1.778	0.01	4.7	20.0	
Ethyl Methacrylate	0.507	0.329	0.01	35.1	100	
Tetrachloroethene	0.332	0.368	0.01	10.8	100	
1,3-Dichloropropane	0.619	0.533	0.01	13.9	100	
2-Hexanone	0.332	0.176	0.01	47.0	100	
Dibromochloromethane	0.340	0.341	0.01	0.3	100	
1,2-Dibromoethane	0.316	0.265	0.01	16.1	100	
1,1-Dichloro-2-propanone	0.237	0.155	0.01	34.6	100	
1-Chlorohexane	2.052	2.105	0.01	2.6	100	
Chlorobenzene	1.102	1.101	0.3	0.1	100	
1,1,1,2-Tetrachloroethane	0.365	0.390	0.01	6.8	100	
Ethylbenzene	0.626	0.634	0.01	1.3	20.0	
Xylene (total)mp	0.800	0.801	0.01	0.1	100	
Xylene (total)o	0.778	0.754	0.01	3.1	100	
Styrene	1.324	1.200	0.01	9.4	100	

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSW Calibration Date: 06/14/05 Time: 0941

Lab File ID: W0447 Init. Calib. Date(s): 05/16/05 05/16/05

Heated Purge: (Y/N) N Init. Calib. Times: 1329 1744

GC Column: RTX-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D	
Bromoform	0.222	0.187	0.1	15.8	100	
Isopropylbenzene	3.557	3.313	0.01	6.8	100	
1,1,2,2-Tetrachloroethane	0.701	0.462	0.3	34.1	100	
Bromobenzene	0.810	0.764	0.01	5.7	100	
1,2,3-Trichloropropane	0.234	0.169	0.01	27.8	100	
trans-1,4-Dichloro-2-Butene	0.211	0.135	0.01	36.0	100	
n-Propylbenzene	4.297	4.088	0.01	4.9	100	
2-Chlorotoluene	2.624	2.398	0.01	8.6	100	
4-Chlorotoluene	2.758	2.574	0.01	6.7	100	
1,3,5-Trimethylbenzene	3.203	3.078	0.01	3.9	100	
tert-Butylbenzene	2.687	2.608	0.01	2.9	100	
1,2,4-Trimethylbenzene	3.276	3.179	0.01	3.0	100	
sec-Butylbenzene	4.042	3.914	0.01	3.2	100	
4-Isopropyltoluene	3.477	3.429	0.01	1.4	100	
1,3-Dichlorobenzene	1.725	1.663	0.01	3.6	100	
1,4-Dichlorobenzene	1.818	1.697	0.01	6.6	100	
1,2-Dichlorobenzene	1.696	1.561	0.01	8.0	100	
Benzyl Chloride	0.357	0.223	0.01	37.5	100	
Pentachloroethane					100	<-
n-Butylbenzene	3.826	3.483	0.01	9.0	100	
Hexachloroethane					100	<-
1,2-Dibromo-3-chloropropane	0.172	0.106	0.01	38.4	100	
Nitrobenzene	0.058	0.014	0.01	75.9	100	
1,2,4-Trichlorobenzene	1.277	1.118	0.01	12.4	100	
Hexachlorobutadiene	0.640	0.661	0.01	3.3	100	
Naphthalene	3.192	1.792	0.01	43.8	100	
1,2,3-Trichlorobenzene	1.167	0.957	0.01	18.0	100	
Xylene (total)	0.792	0.785	0.01	0.9	100	
1,2-Dichloroethene (total)	0.294	0.310	0.01	5.4	100	
Methyl Cyclohexane	0.557	0.569	0.01	2.2	100	
Cyclohexane	0.487	0.484	0.01	0.6	100	
Methyl Acetate	0.439	0.330	0.01	24.8	100	
Heptane					40.0	<-
Acetonitrile	0.091	0.036	0.001	60.4	100	
Isobutyl alcohol	0.025	0.019	0.001	24.0	100	
n-Butyl Acetate			0.01		100	<-
Dichlorofluoromethane	0.168	0.177	0.01	5.4	100	

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSW Calibration Date: 06/14/05 Time: 0941

Lab File ID: W0447 Init. Calib. Date(s): 05/16/05 05/16/05

Heated Purge: (Y/N) N Init. Calib. Times: 1329 1744

GC Column: RTX-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D	
1-Bromopropane			0.01		100	<-
Dibromofluoromethane	0.251	0.255	0.01	1.6	100	
1,2-Dichloroethane-d4	0.334	0.338	0.01	1.2	100	
Toluene-d8	1.501	1.306	0.01	13.0	100	
Bromofluorobenzene	1.099	0.832	0.01	24.3	100	

STL-INC

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\FILES\chem\VOA\msw.i\W050447.b\W0447.D
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Inj Date : 14-JUN-2005 09:41 MS Autotune Date: 06-MAY-2005 08:32
Operator : M.Crowe Inst ID: msw.i
Smp Info : VSTD020WD
Misc Info : : ;;; VSTD020WD ; 8260B ; 1 ; LLW
Comment :
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Meth Date : 14-Jun-2005 09:13 michael Quant Type: ISTD
Cal Date : 16-MAY-2005 17:44 Cal File: W0007.D
Als bottle: 31 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: CONMSNNT

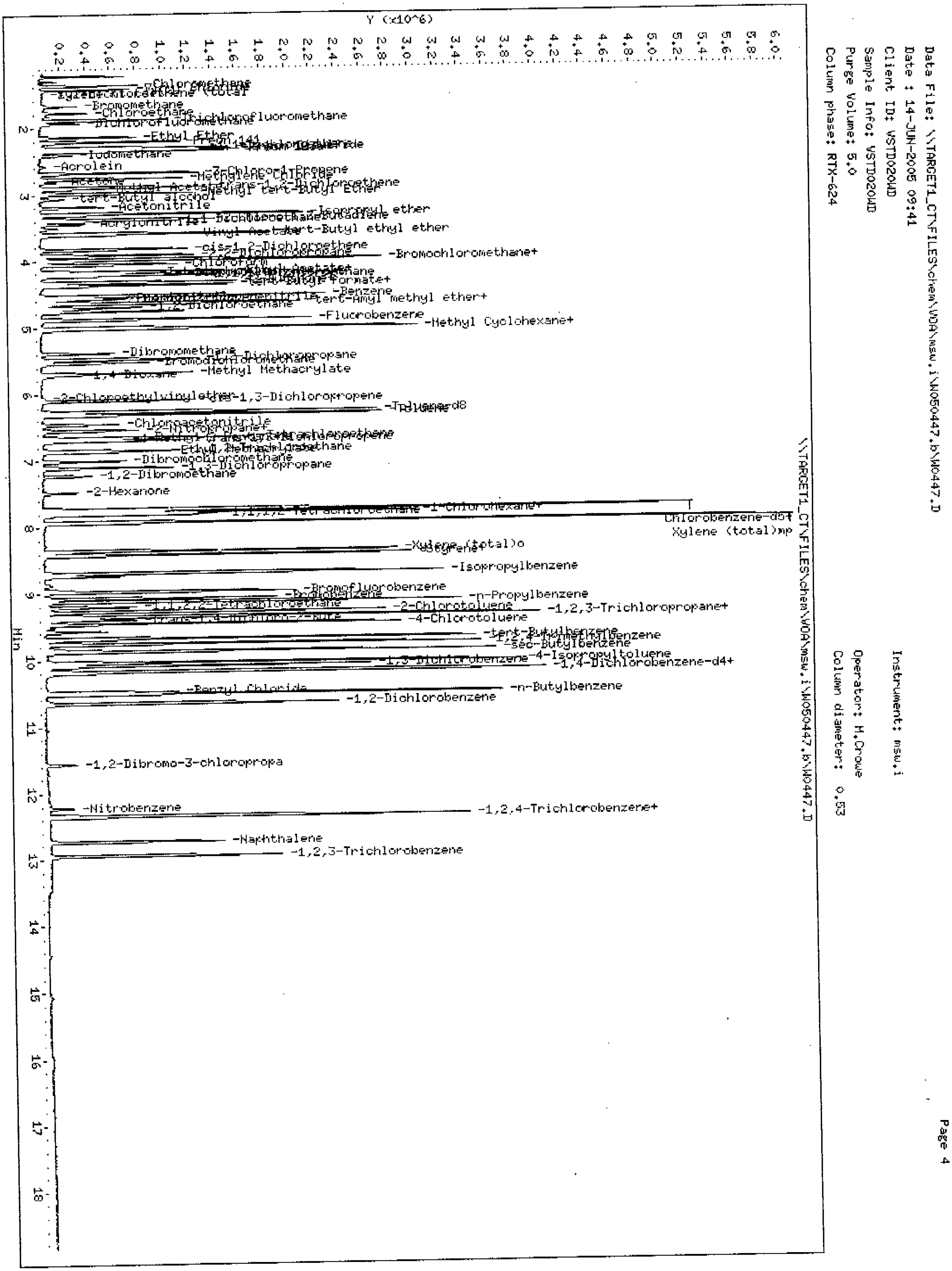
Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 1 Fluorobenzene	96	4.886	4.886	(1.000)	1483099	25.0000	
2 Dichlorodifluoromethane	85	1.232	1.232	(0.252)	342462	20.0000	23
3 Chloromethane	50	1.371	1.371	(0.281)	459729	20.0000	17
4 Vinyl Chloride	62	1.435	1.435	(0.294)	373469	20.0000	19
5 Bromomethane	94	1.676	1.676	(0.343)	99548	20.0000	14
6 Chloroethane	64	1.773	1.773	(0.363)	206007	20.0000	21
7 Trichlorofluoromethane	101	1.879	1.879	(0.385)	602463	20.0000	27
8 Dichlorofluoromethane	67	1.928	1.928	(0.395)	209999	20.0000	21
9 Ethyl Ether	45	2.136	2.136	(0.437)	247690	20.0000	18
10 Freon 141	81	2.211	2.211	(0.453)	698725	20.0000	25
11 Freon 123a	67	2.340	2.340	(0.479)	80975	20.0000	21
12 Trichlorotrifluoroethane	101	2.329	2.329	(0.477)	369120	20.0000	23
13 1,1-Dichloroethene	96	2.291	2.291	(0.469)	287593	20.0000	20
14 Carbon Disulfide	76	2.307	2.307	(0.472)	1065684	20.0000	20
15 Iodomethane	142	2.409	2.409	(0.493)	235748	20.0000	14
16 3-Chloro-1-Propene	41	2.682	2.682	(0.549)	687930	20.0000	20
17 Methylene Chloride	84	2.768	2.768	(0.566)	348833	20.0000	18
18 Acetone	43	2.810	2.810	(0.575)	114604	20.0000	10
19 trans-1,2-Dichloroethene	96	2.896	2.896	(0.593)	353308	20.0000	21
20 Methyl tert-Butyl Ether	73	2.987	2.987	(0.611)	898319	20.0000	17
21 Acrolein	56	2.575	2.575	(0.527)	35786	100.000	54
22 tert-Butyl alcohol	59	3.067	3.067	(0.628)	167007	100.000	60

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	23 Methyl Acetate	43	2.917	2.917	(0.597)	391651	20.0000	15
	24 Acetonitrile	41	3.190	3.190	(0.653)	433710	200.000	80
	25 Isopropyl ether	45	3.303	3.303	(0.676)	1553217	20.0000	19
	26 tert-Butyl ethyl ether	59	3.597	3.597	(0.736)	1232710	20.0000	18
	27 Acrylonitrile	53	3.447	3.447	(0.706)	230751	40.0000	27
	28 2-Chloro-1,3-Butadiene	88	3.377	3.377	(0.691)	262162	20.0000	19
	29 1,1-Dichloroethane	63	3.399	3.399	(0.696)	735320	20.0000	21
	30 Vinyl Acetate	43	3.613	3.613	(0.739)	784328	20.0000	16
	31 cis-1,2-Dichloroethene	96	3.837	3.837	(0.785)	382836	20.0000	21
	32 2,2-Dichloropropane	77	3.923	3.923	(0.803)	624245	20.0000	22
	33 Bromochloromethane	128	3.993	3.993	(0.817)	162171	20.0000	21
	35 Chloroform	83	4.057	4.057	(0.830)	670502	20.0000	23
	36 Ethyl Acetate	43	4.175	4.175	(0.854)	365057	40.0000	28
	37 Methyl Acrylate	55	4.180	4.180	(0.855)	247616	20.0000	14
$	38 Dibromofluoromethane	111	4.207	4.207	(0.861)	378009	25.0000	25
	39 Tetrahydrofuran	42	4.185	4.185	(0.857)	223050	40.0000	30
	40 1,1,1-Trichloroethane	97	4.228	4.228	(0.865)	638693	20.0000	24
	41 Carbon Tetrachloride	117	4.164	4.164	(0.852)	563723	20.0000	25
	42 2-Butanone	43	4.319	4.319	(0.884)	160410	20.0000	11
	43 1,1-Dichloropropene	75	4.324	4.324	(0.885)	539061	20.0000	21
	44 Cyclohexane	84	3.993	3.993	(0.817)	574486	20.0000	20
	45 tert-Amyl methyl ether	73	4.635	4.635	(0.949)	964359	20.0000	17
	46 tert-Butyl formate	57	4.372	4.372	(0.895)	52967	20.0000	7
	47 1-Chlorobutane	56	4.372	4.372	(0.895)	960269	20.0000	21
	48 Propionitrile	54	4.570	4.570	(0.935)	398697	200.000	130
	49 Isobutyl alcohol	42	4.185	4.185	(0.857)	223050	200.000	150
	50 Benzene	78	4.533	4.533	(0.928)	1477744	20.0000	19
	51 2-Methyl-2-Propenenitrile	41	4.586	4.586	(0.939)	202171	20.0000	15
$	52 1,2-Dichloroethane-d4	65	4.651	4.651	(0.952)	500772	25.0000	25
	53 1,2-Dichloroethane	62	4.704	4.704	(0.963)	538052	20.0000	22
	57 Methyl Cyclohexane	83	5.009	5.009	(1.025)	674927	20.0000	20
	58 Trichloroethene	130	5.025	5.025	(1.028)	401887	20.0000	20
	59 Dibromomethane	93	5.384	5.384	(1.102)	179000	20.0000	19
	60 1,2-Dichloropropane	63	5.474	5.474	(1.120)	375458	20.0000	19
	61 Bromodichloromethane	83	5.528	5.528	(1.131)	464878	20.0000	22
	62 Methyl Methacrylate	69	5.688	5.688	(1.164)	318848	40.0000	27
	63 1,4-Dioxane	58	5.710	5.710	(1.169)	112006	1000.00	600
	64 2-Chloroethylvinylether	63	6.052	6.052	(1.239)	8591	20.0000	2
	65 cis-1,3-Dichloropropene	75	6.095	6.095	(1.247)	535371	20.0000	19
	66 2-Nitropropane	41	6.534	6.534	(1.337)	146635	40.0000	29
	67 Chloroacetonitrile	48	6.448	6.448	(1.320)	208170	400.000	260
	68 trans-1,3-Dichloropropene	75	6.700	6.700	(1.371)	490288	20.0000	18
	69 1,1,2-Trichloroethane	97	6.844	6.844	(1.401)	250358	20.0000	18
*	70 Chlorobenzene-d5	117	7.727	7.727	(1.000)	1125521	25.0000	
	71 Toluene	91	6.309	6.309	(0.817)	1600924	20.0000	19
$	72 Toluene-d8	98	6.266	6.266	(0.811)	1469882	25.0000	22
	73 1,1-Dichloro-2-propanone	43	6.544	6.544	(0.847)	700043	100.000	66
	74 4-Methyl-2-Pentanone	43	6.678	6.678	(0.864)	257857	20.0000	12
	75 Tetrachloroethene	164	6.657	6.657	(0.862)	331609	20.0000	22
	76 Ethyl Methacrylate	69	6.865	6.865	(0.889)	296555	20.0000	13
	77 Dibromochloromethane	129	7.005	7.005	(0.907)	307017	20.0000	20
	78 1,3-Dichloropropane	76	7.106	7.106	(0.920)	479834	20.0000	17
	79 1,2-Dibromoethane	107	7.224	7.224	(0.935)	238893	20.0000	17
	81 2-Hexanone	43	7.475	7.475	(0.967)	158489	20.0000	11

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
82	1-Chlorohexane	91	7.780	7.780	(1.007)	1895110	20.0000	20
83	Chlorobenzene	112	7.743	7.743	(1.002)	991805	20.0000	20
84	1,1,1,2-Tetrachloroethane	131	7.812	7.812	(1.011)	351242	20.0000	21
85	Ethylbenzene	106	7.780	7.780	(1.007)	571207	20.0000	20
86	Xylene (total)mp	106	7.930	7.930	(1.026)	1441769	40.0000	40
87	Xylene (total)o	106	8.363	8.363	(1.082)	679253	20.0000	19
88	Styrene	104	8.417	8.417	(1.089)	1080995	20.0000	18
89	Bromoform	173	8.422	8.422	(1.090)	168270	20.0000	17
* 90	1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	723845	25.0000	
91	Isopropylbenzene	105	8.690	8.690	(0.854)	1918475	20.0000	19
92	1,1,2,2-Tetrachloroethane	83	9.203	9.203	(0.905)	267475	20.0000	13
93	Bromobenzene	156	9.069	9.069	(0.892)	442683	20.0000	19
94	1,2,3-Trichloropropane	110	9.337	9.337	(0.918)	97892	20.0000	14
95	trans-1,4-Dichloro-2-Butene	53	9.396	9.396	(0.924)	156167	40.0000	26
96	n-Propylbenzene	91	9.123	9.123	(0.897)	2367425	20.0000	19
97	2-Chlorotoluene	91	9.273	9.273	(0.912)	1388567	20.0000	18
98	4-Chlorotoluene	91	9.455	9.455	(0.930)	1490673	20.0000	19
99	1,3,5-Trimethylbenzene	105	9.342	9.342	(0.918)	1782576	20.0000	19
100	tert-Butylbenzene	119	9.679	9.679	(0.952)	1510088	20.0000	19
101	1,2,4-Trimethylbenzene	105	9.760	9.760	(0.960)	1840748	20.0000	19
102	sec-Butylbenzene	105	9.872	9.872	(0.971)	2266252	20.0000	19
103	4-Isopropyltoluene	119	10.038	10.038	(0.987)	1985438	20.0000	20
104	1,3-Dichlorobenzene	146	10.086	10.086	(0.992)	963112	20.0000	19
105	1,4-Dichlorobenzene	146	10.188	10.188	(1.002)	982484	20.0000	19
106	1,2-Dichlorobenzene	146	10.648	10.648	(1.047)	904085	20.0000	18
107	Benzyl Chloride	126	10.476	10.476	(1.030)	128987	20.0000	12
108	n-Butylbenzene	91	10.509	10.509	(1.033)	2016903	20.0000	18
111	1,2-Dibromo-3-chloropropane	75	11.562	11.562	(1.137)	61290	20.0000	12
112	Nitrobenzene	77	12.220	12.220	(1.201)	84177	200.000	50
113	1,2,4-Trichlorobenzene	180	12.349	12.349	(1.214)	647602	20.0000	18
114	Hexachlorobutadiene	225	12.338	12.338	(1.213)	382673	20.0000	21
115	Naphthalene	128	12.734	12.734	(1.252)	1037545	20.0000	11
116	1,2,3-Trichlorobenzene	180	12.943	12.943	(1.272)	554133	20.0000	16
$ 117	Bromofluorobenzene	95	8.968	8.968	(0.882)	602138	25.0000	19
M 118	1,2-Dichloroethene (total)	100				736144	40.0000	42
M 119	Xylene (total)	100				2121022	60.0000	59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Sample Info: VSTD020WD
Purge Volume: 5.0
Column phase: RTX-624
Instrument: msw.i
Operator: M.Crowe
Column diameter: 0.53
\\TARGET1_CT\FILES\chem\VOA\msw.i\W050447.b\W0447.D
Page 4
Y (x10^6)
Min
-Chloromethane
-Bromomethane
-Chloroethane
-Ethyl Ether
-Iodomethane
-Acrolein
-tert-Butyl alcohol
-Acetonitrile
-tert-Butyl ethyl ether
-cis-1,2-Dichloroethene
-Bromochloromethane+
-tert-Amyl methyl ether+
-Fluorobenzene
-Methyl Cyclohexane+
-Dibromomethane
-Methyl Methacrylate
-1,3-Dichloropropene
-Chloroacetonitrile
-Dibromochloromethane
-1,3-Dichloropropane
-1,2-Dibromoethane
-2-Hexanone
Chlorobenzene-d5+
Xylene (total)mp
-Isopropylbenzene
-Bromofluorobenzene
-n-Propylbenzene
-2-Chlorotoluene
-1,2,3-Trichloropropane+
-4-Chlorotoluene
-sec-Butylbenzene
-4-Isopropyltoluene
-1,4-Dichlorobenzene-d4+
-n-Butylbenzene
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-Nitrobenzene
-1,2,4-Trichlorobenzene+
-Naphthalene
-1,2,3-Trichlorobenzene

Data File: \\TARGET1_CT\FILES\chem\VOA\msl.i\L051538.b\LB589.D

Date : 22-JUN-2005 15:19

Client ID: BFB

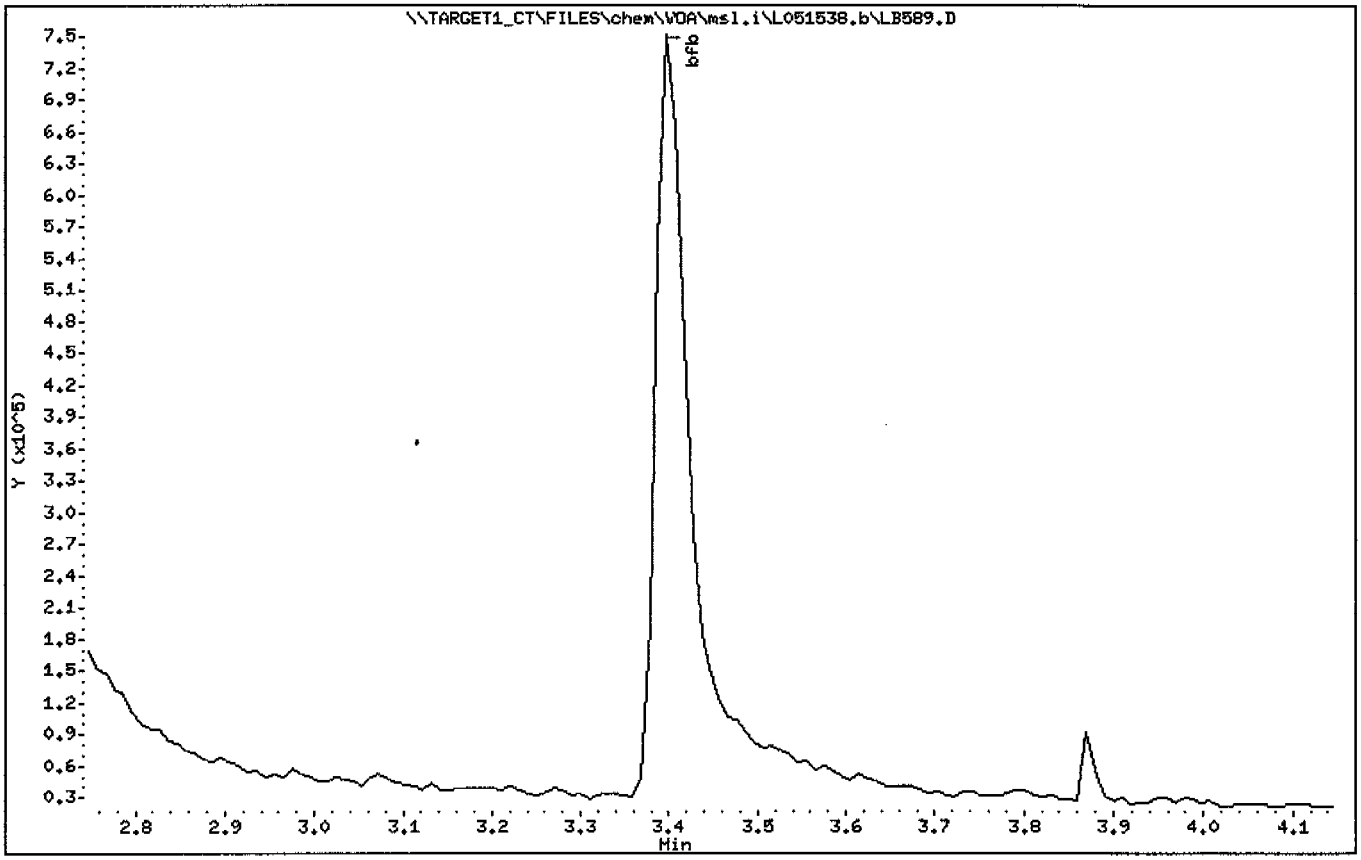
Instrument: msl.i

Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: RTX-624

Column diameter: 0.53



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Date : 22-JUN-2005 15:19

Client ID: BFB

Instrument: msl.i

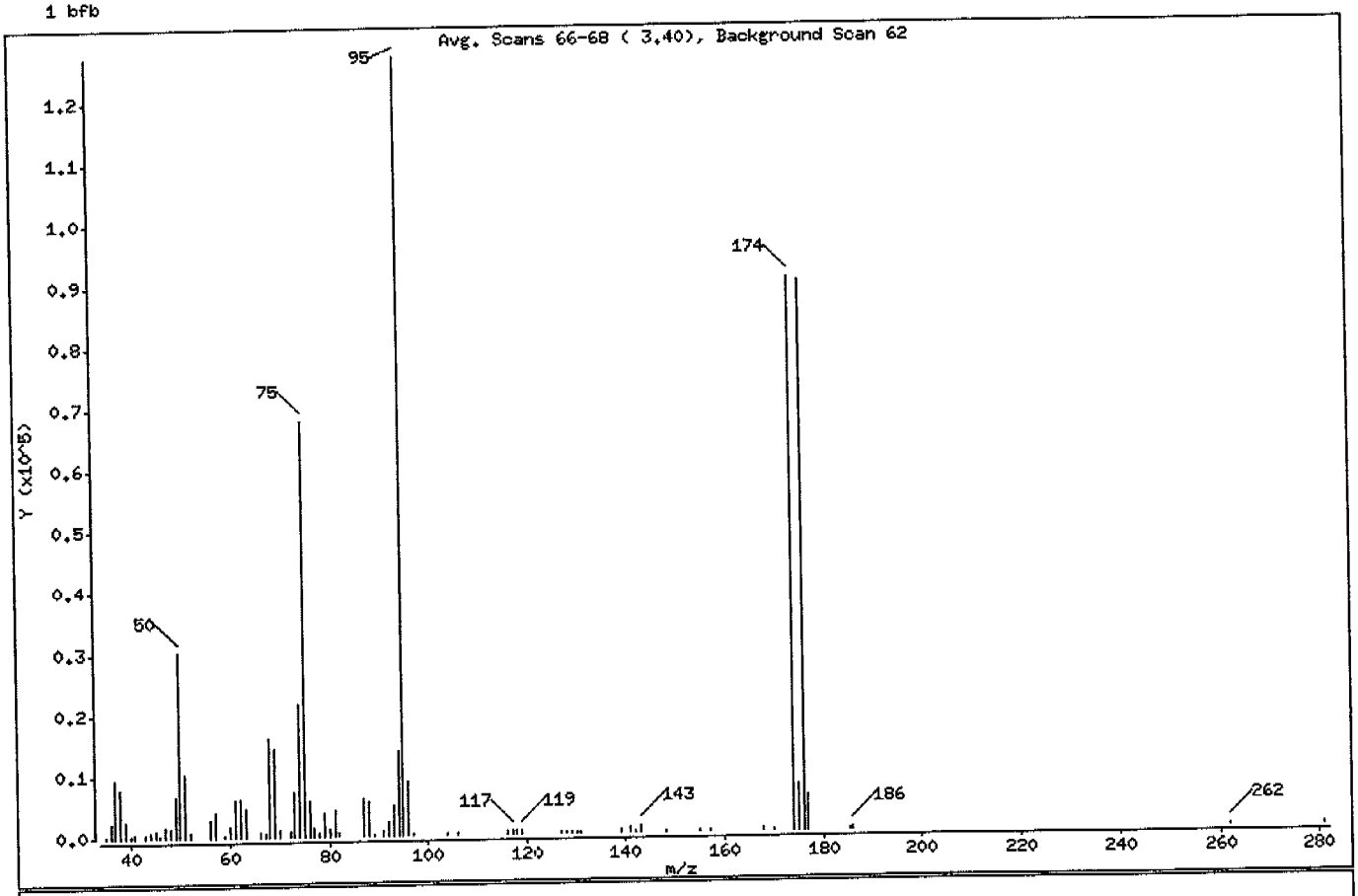
Sample Info: 50ng 4-BFB

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	23.60
75	30.00 - 60.00% of mass 95	53.24
96	5.00 - 9.00% of mass 95	6.87
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	71.33
175	5.00 - 9.00% of mass 174	6.04 (8.47)
176	95.00 - 101.00% of mass 174	70.89 (99.38)
177	5.00 - 9.00% of mass 176	4.67 (6.59)

Data File: \\TARGET1_CT\FILES\chem\VOA\msl.i\L051538.b\LB589.D

Date : 22-JUN-2005 15:19

Client ID: BFB

Instrument: msl.i

Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: RTX-624

Column diameter: 0.53

Data File: LB589.D

Spectrum: Avg. Scans 66-68 (3.40), Background Scan 62

Location of Maximum: 95.00

Number of points: 78

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	193	60.00	1688	87.00	6218	131.00	175
36.00	2402	61.00	6127	88.00	5652	139.00	505
37.00	9486	62.00	6156	89.00	214	141.00	785
38.00	7964	63.00	4811	91.00	757	142.00	207
39.00	2594	66.00	751	92.00	2338	143.00	1085
40.00	247	67.00	693	93.00	5055	148.00	182
41.00	548	68.00	16234	94.00	13677	155.00	283
43.00	479	69.00	14264	95.00	127344	157.00	172
44.00	814	70.00	1217	96.00	8745	168.00	654
45.00	1191	72.00	748	97.00	281	170.00	284
46.00	358	73.00	7399	104.00	339	174.00	90840
47.00	1706	74.00	21656	106.00	274	175.00	7696
48.00	1505	75.00	67800	116.00	497	176.00	90280
49.00	6849	76.00	5905	117.00	620	177.00	5949
50.00	30056	77.00	1376	118.00	467	185.00	170
51.00	10316	78.00	715	119.00	472	186.00	672
52.00	778	79.00	3932	127.00	181	262.00	196
56.00	2873	80.00	1183	128.00	438	281.00	172
57.00	3987	81.00	4454	129.00	229		
59.00	176	82.00	694	130.00	365		

Data File: \\TARGET1_CT\FILES\chem\VOA\ms1.i\L051895.b\LB602.D

Date : 08-JUL-2005 09:30

Client ID: BFB

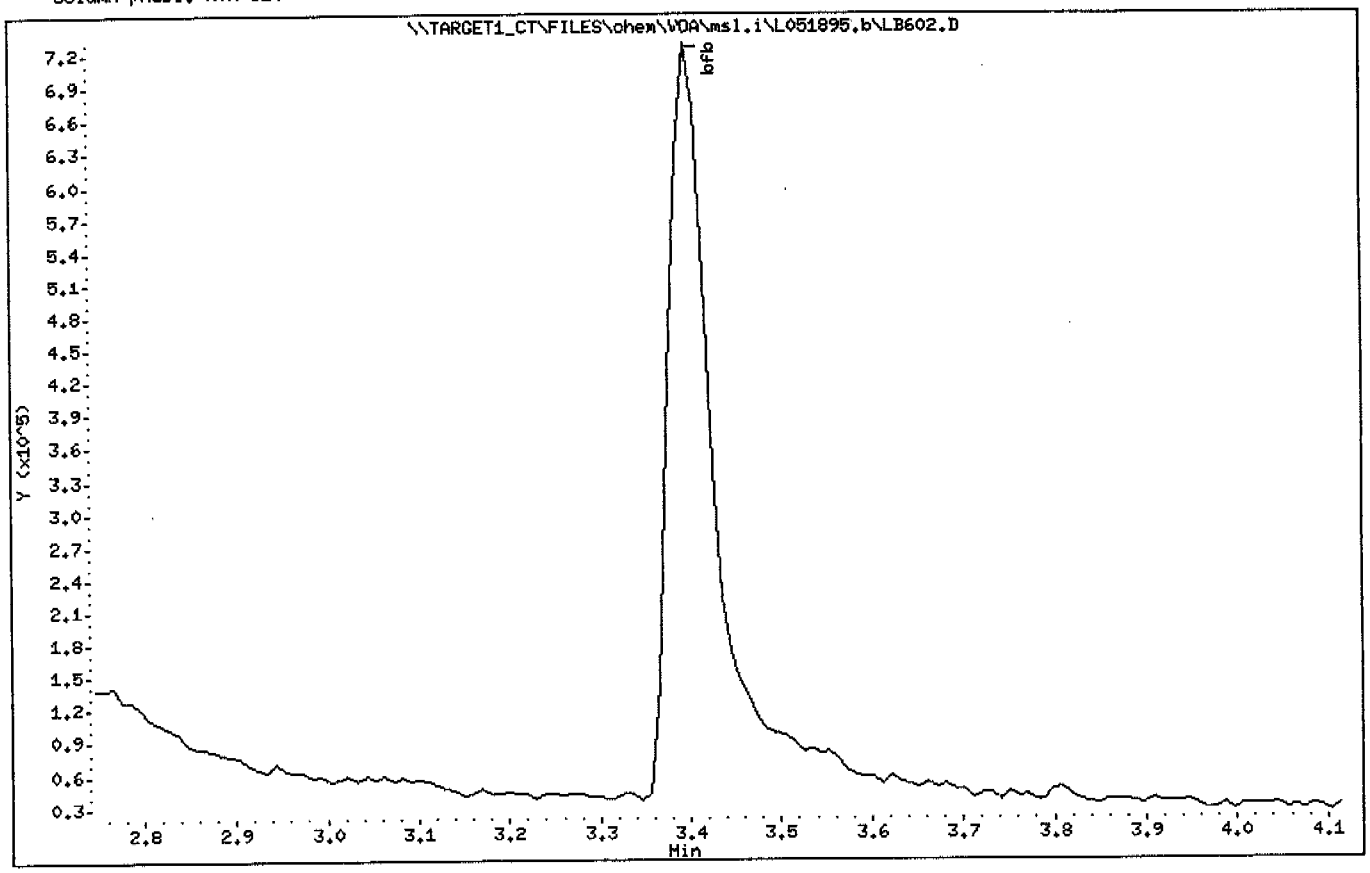
Instrument: ms1.i

Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: RTX-624

Column diameter: 0.53



VOSFWRK014

Data File: \\TARGET1_CT\FILES\chem\VOA\ms1.i\L051895.b\LB602.D

Date : 08-JUL-2005 09:30

Client ID: BFB

Sample Info: 50ng 4-BFB

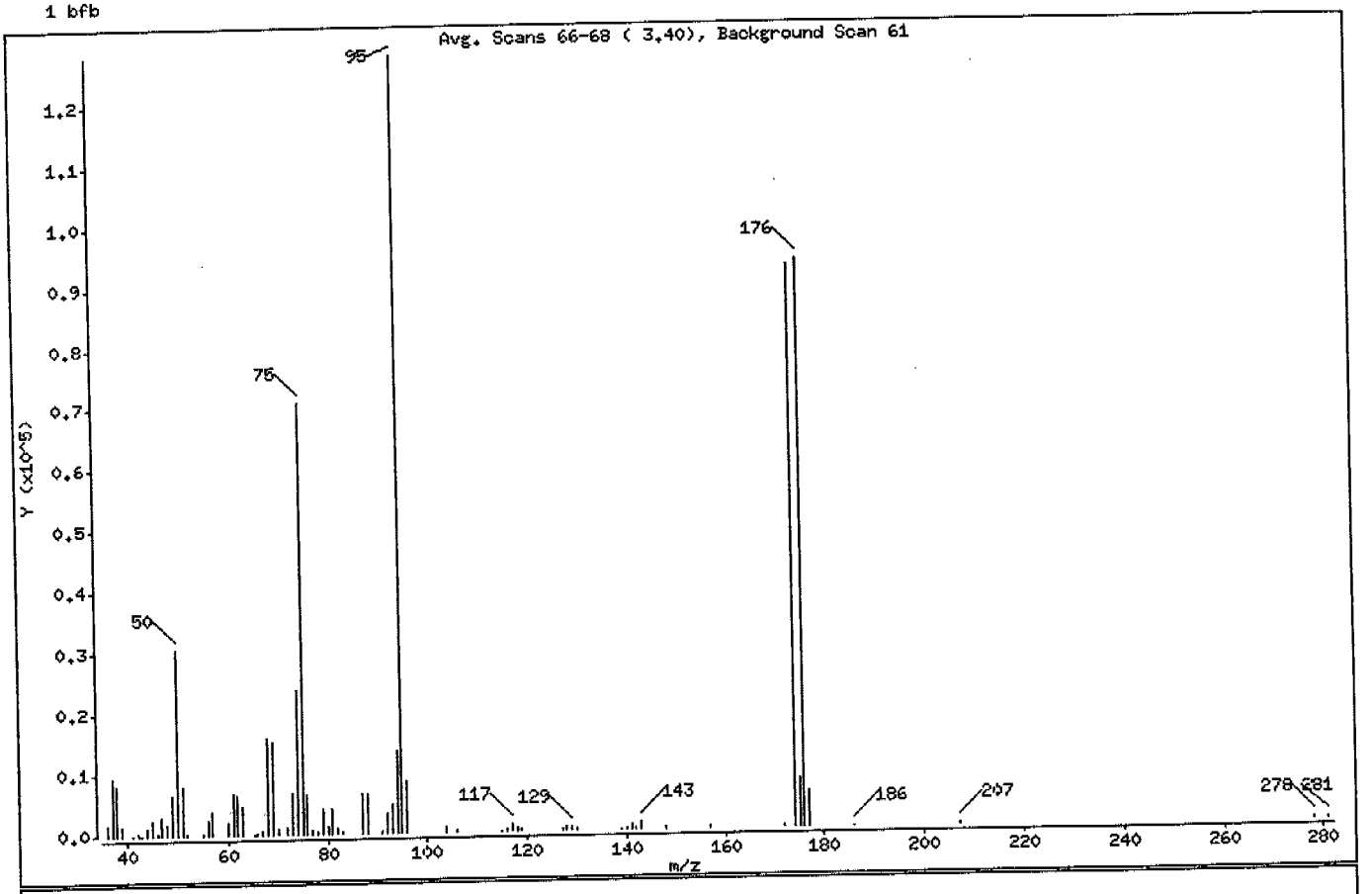
Instrument: ms1.i

Operator: D. HUMBERT

Column diameter: 0.53

Column phase: RTX-624

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	23.86
75	30.00 - 60.00% of mass 95	55.30
96	5.00 - 9.00% of mass 95	6.63
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	72.53
175	5.00 - 9.00% of mass 174	6.26 (8.64)
176	95.00 - 101.00% of mass 174	73.15 (100.86)
177	5.00 - 9.00% of mass 176	4.66 (6.37)

Date : 08-JUL-2005 09:30

Client ID: BFB Instrument: ms1.i

Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: RTX-624 Column diameter: 0.53

Data File: LB602.D
Spectrum: Avg. Scans 66-68 (3.40), Background Scan 61
Location of Maximum: 95.00
Number of points: 76

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1817	61.00	6872	83.00	191	139.00	122
37.00	9498	62.00	6479	87.00	6471	140.00	427
38.00	8345	63.00	4584	88.00	6438	141.00	913
39.00	1608	65.00	89	91.00	235	142.00	435
41.00	119	66.00	339	92.00	3266	143.00	1260
42.00	201	67.00	720	93.00	4739	148.00	222
43.00	34	68.00	15884	94.00	13530	157.00	226
44.00	1048	69.00	15244	95.00	128192	172.00	224
45.00	2404	70.00	808	96.00	8502	174.00	92976
46.00	187	72.00	1248	104.00	971	175.00	8029
47.00	2897	73.00	6847	106.00	428	176.00	93776
48.00	1667	74.00	23744	115.00	76	177.00	5969
49.00	6401	75.00	70888	116.00	213	186.00	50
50.00	30592	76.00	6344	117.00	1082	207.00	266
51.00	7838	77.00	671	118.00	622	278.00	413
52.00	229	78.00	406	119.00	407	281.00	170
55.00	172	79.00	4068	127.00	258		
56.00	2473	80.00	1131	128.00	506		
57.00	3905	81.00	4176	129.00	727		
60.00	2099	82.00	975	130.00	225		

Data File: \\TARGET1_CT\FILES\chem\VOA\ms1.i\L051924.b\LB603.D

Date : 09-JUL-2005 10:56

Client ID: BFB

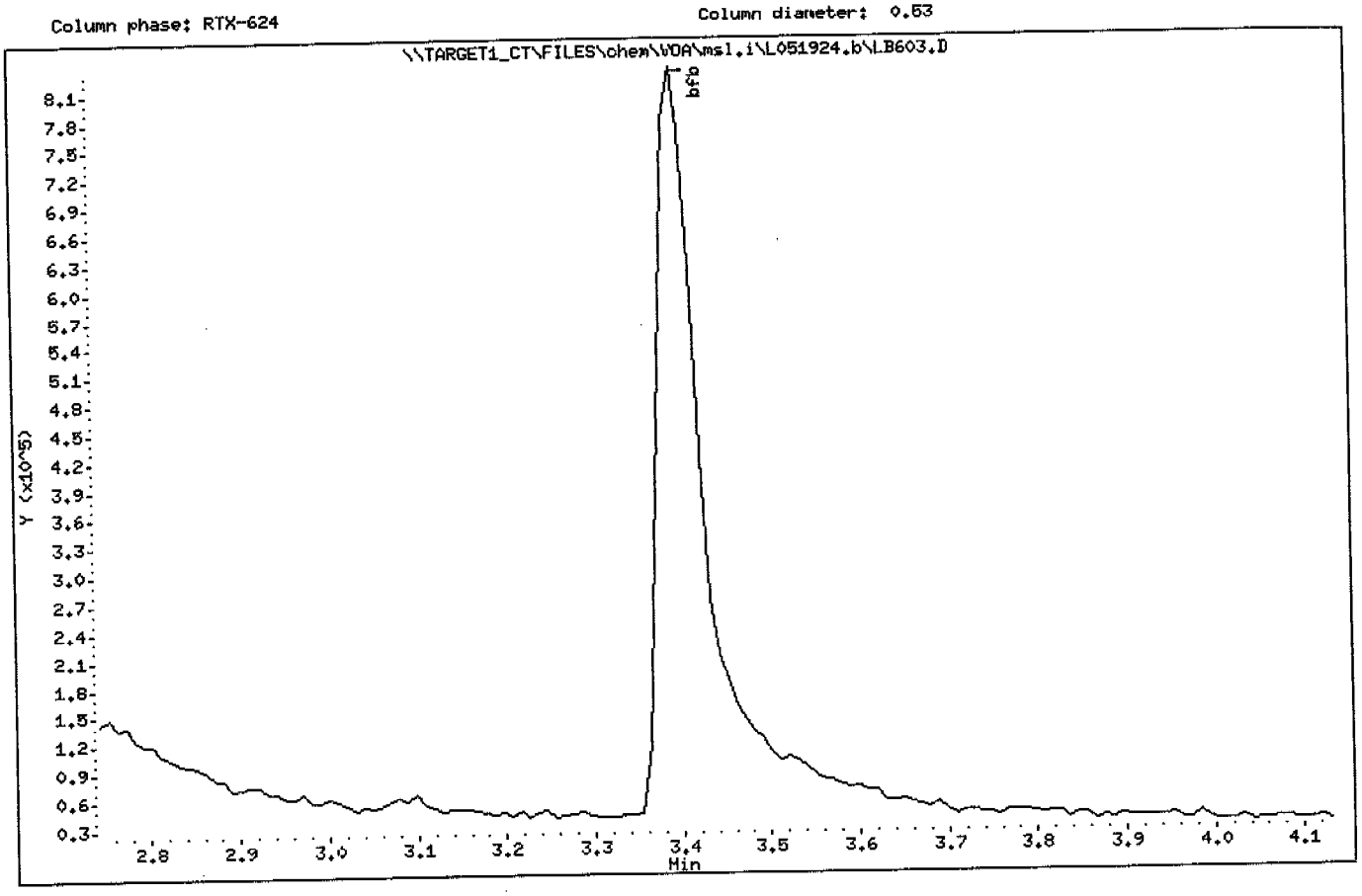
Instrument: ms1.i

Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: RTX-624

Column diameter: 0.53



V05FWRK014

Data File: \\TARGET1_CT\FILES\chem\VOA\msl.i\L051924.b\LB603.D

Date : 09-JUL-2005 10:56

Client ID: BFB

Instrument: msl.i

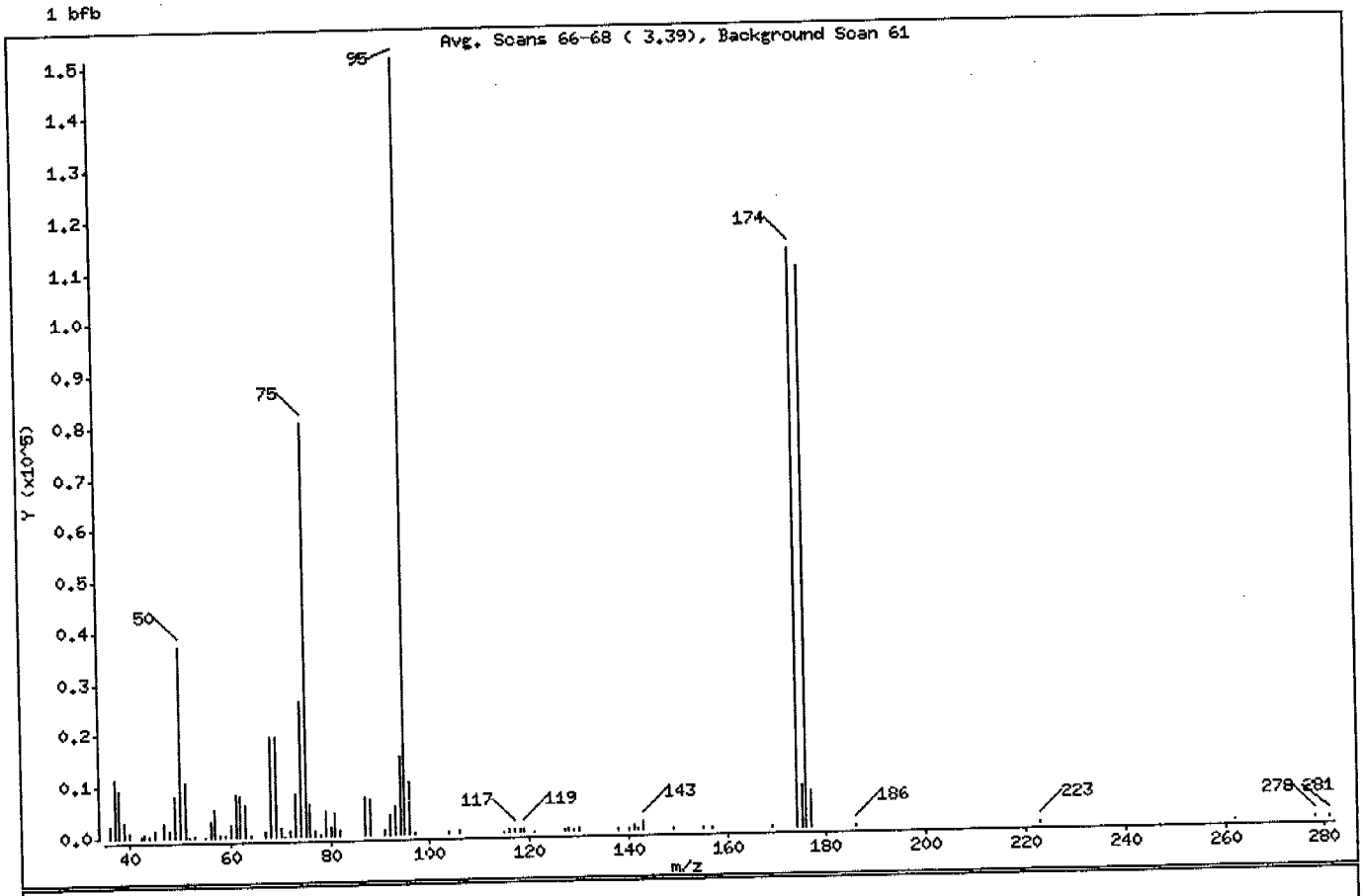
Sample Info: 50ng 4-BFB

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	24.57
75	30.00 - 60.00% of mass 95	53.30
96	5.00 - 9.00% of mass 95	6.83
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	74.83
175	5.00 - 9.00% of mass 174	5.52 (7.37)
176	95.00 - 101.00% of mass 174	72.52 (96.92)
177	5.00 - 9.00% of mass 176	4.91 (6.77)

Data File: \\TARGET1_CT\FILES\chem\VOA\msl.i\L051924.b\LB603.D

Date : 09-JUL-2005 10:56

Client ID: BFB

Instrument: msl.i

Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: RTX-624

Column diameter: 0.53

Data File: LB603.D

Spectrum: Avg. Scans 66-68 (3.39), Background Scan 61

Location of Maximum: 95.00

Number of points: 81

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2468	60.00	2446	87.00	7800	138.00	203
37.00	11473	61.00	8372	88.00	7071	140.00	176
38.00	9495	62.00	8095	91.00	991	141.00	1215
39.00	3178	63.00	6258	92.00	3741	142.00	207
40.00	890	64.00	313	93.00	5440	143.00	1589
42.00	175	67.00	1123	94.00	15399	149.00	185
43.00	606	68.00	19512	95.00	151232	155.00	471
44.00	296	69.00	19424	96.00	10330	157.00	293
45.00	1246	70.00	1755	97.00	217	169.00	178
47.00	2730	71.00	170	104.00	476	174.00	113160
48.00	1267	72.00	1213	106.00	689	175.00	8345
49.00	7903	73.00	8442	115.00	162	176.00	109672
50.00	37160	74.00	26416	116.00	609	177.00	7424
51.00	10777	75.00	80600	117.00	863	186.00	375
52.00	89	76.00	6264	118.00	620	223.00	180
53.00	347	77.00	912	119.00	728	262.00	167
55.00	169	78.00	409	121.00	173	278.00	228
56.00	3286	79.00	4758	127.00	199	281.00	198
57.00	5561	80.00	1596	128.00	529		
58.00	186	81.00	4453	129.00	273		
59.00	206	82.00	984	130.00	728		

Data File: \\TARGET1_CT\Files\chem\WOA\msw.i\W050001.b\WB006.D

Date : 16-MAY-2005 12:48

Client ID: BFB

Instrument: msw.i

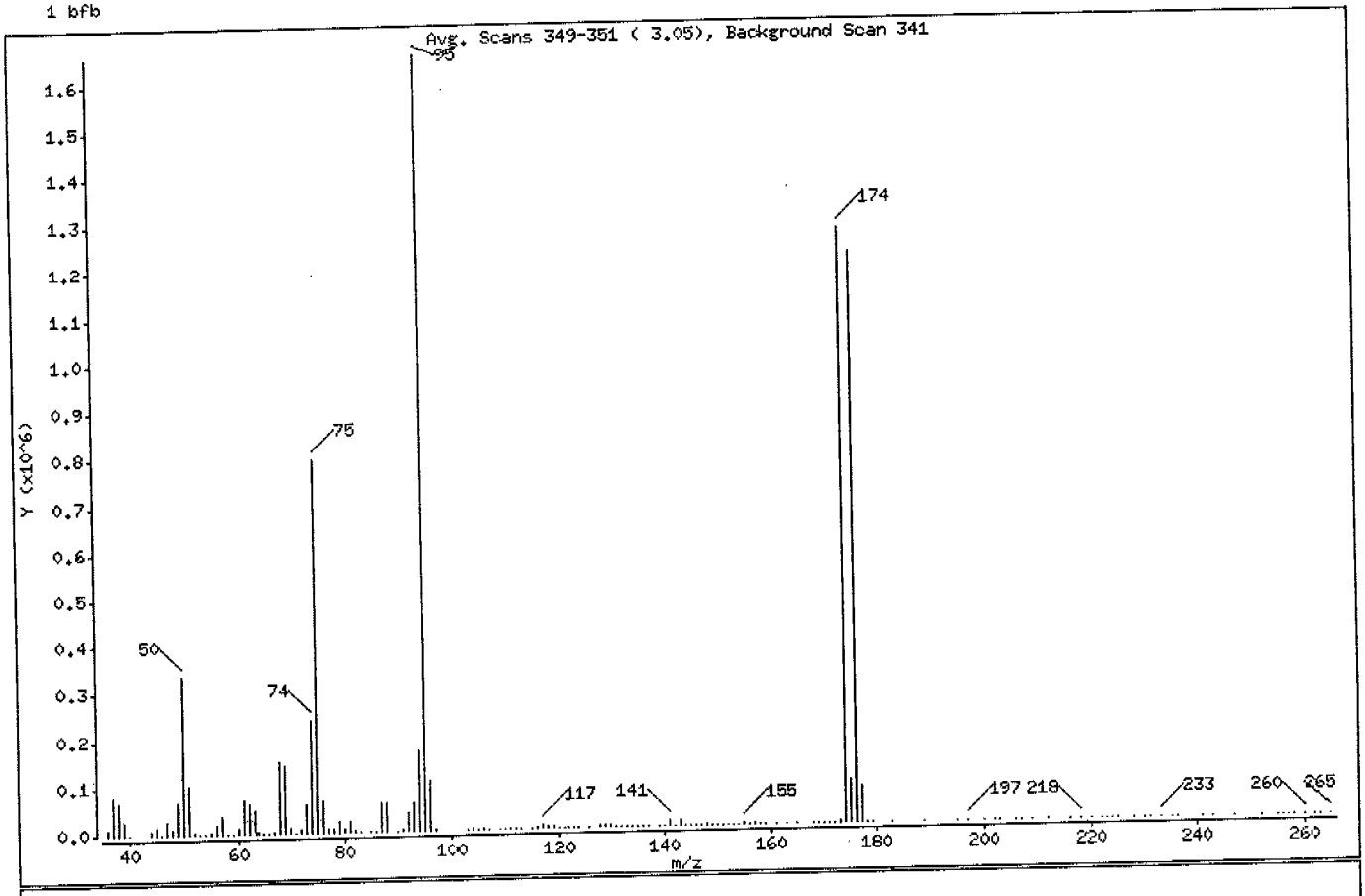
Sample Info: 50ng_4-BFB

Operator: M.Crowe

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	20.14
75	30.00 - 60.00% of mass 95	48.03
96	5.00 - 9.00% of mass 95	6.38
173	Less than 2.00% of mass 174	0.27 (0.36)
174	50.00 - 100.00% of mass 95	76.69
175	5.00 - 9.00% of mass 174	5.45 (7.11)
176	95.00 - 101.00% of mass 174	73.60 (95.98)
177	5.00 - 9.00% of mass 176	4.68 (6.36)

Data File: \\TARGET1_CT\Files\chem\WOA\msw.i\W050001.b\WB006.D

Date : 16-MAY-2005 12:48

Client ID: BFB

Instrument: msw.i

Sample Info: 50ng_4-BFB

Operator: M.Crowe

Column phase: RTX-624

Column diameter: 0.53

Data File: WB006.D

Spectrum: Avg. Scans 349-351 (3.05), Background Scan 341

Location of Maximum: 95.00

Number of points: 160

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	13293	80.00	6948	132.00	12	179.00	36
37.00	79448	81.00	22888	133.00	168	183.00	216
38.00	68632	82.00	4678	134.00	585	189.00	177
39.00	26248	83.00	936	135.00	1639	195.00	64
40.00	1192	85.00	211	136.00	422	197.00	424
44.00	6626	86.00	1123	137.00	1133	200.00	174
45.00	14842	87.00	62656	139.00	363	202.00	42
46.00	1019	88.00	60856	140.00	1012	203.00	169
47.00	28080	90.00	137	141.00	11553	206.00	199
48.00	10573	91.00	4171	142.00	1242	207.00	40
49.00	67592	92.00	38568	143.00	10962	209.00	77
50.00	334464	93.00	60088	144.00	1275	212.00	82
51.00	101416	94.00	172352	145.00	1314	216.00	122
52.00	3499	95.00	1660416	146.00	1437	218.00	182
53.00	239	96.00	106008	147.00	608	220.00	145
54.00	626	97.00	3602	148.00	3782	222.00	140
55.00	2443	103.00	620	149.00	401	223.00	131
56.00	20944	104.00	4982	150.00	714	224.00	160
57.00	39984	105.00	1176	151.00	181	225.00	173
58.00	902	106.00	4075	152.00	938	228.00	52
59.00	494	107.00	739	153.00	337	230.00	121
60.00	13023	109.00	454	154.00	539	231.00	132
61.00	70816	110.00	578	155.00	3483	233.00	330
62.00	65056	111.00	596	156.00	67	235.00	28
63.00	49696	112.00	506	157.00	2046	236.00	23
64.00	4412	113.00	564	158.00	305	241.00	180
65.00	134	115.00	1230	159.00	1378	243.00	161
66.00	183	116.00	3228	161.00	1709	247.00	119
67.00	3131	117.00	6737	163.00	531	252.00	58
68.00	153600	118.00	4203	165.00	41	255.00	65
69.00	144064	119.00	5235	168.00	216	256.00	250
70.00	9853	120.00	367	169.00	613	257.00	224
71.00	35	121.00	36	170.00	291	258.00	67
72.00	7434	122.00	404	171.00	197	260.00	290
73.00	61584	123.00	774	172.00	898	262.00	225

Data File: \\TARGET1_CT\Files\chem\VOA\msw.i\W050001.b\WB006.D

Date : 16-MAY-2005 12:48

Client ID: BFB

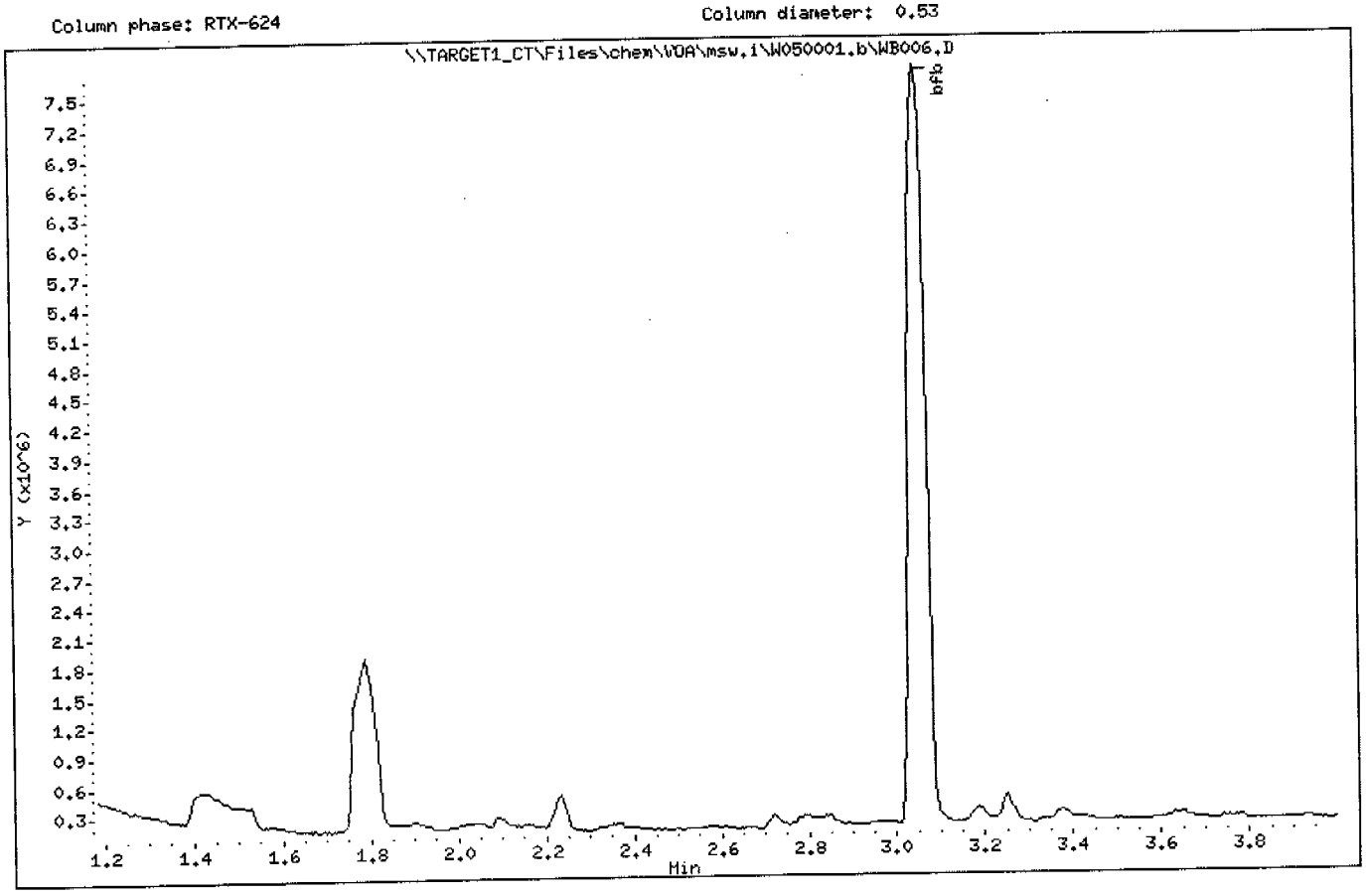
Instrument: msw.i

Sample Info: 50ng_4-BFB

Operator: M.Crowe

Column phase: RTX-624

Column diameter: 0.53



Data File: \\TARGET1_CT\FILES\chem\VOA\msw.i\W050447.b\WB026.D

Date : 14-JUN-2005 09:32

Client ID: BFB

Instrument: msw.i

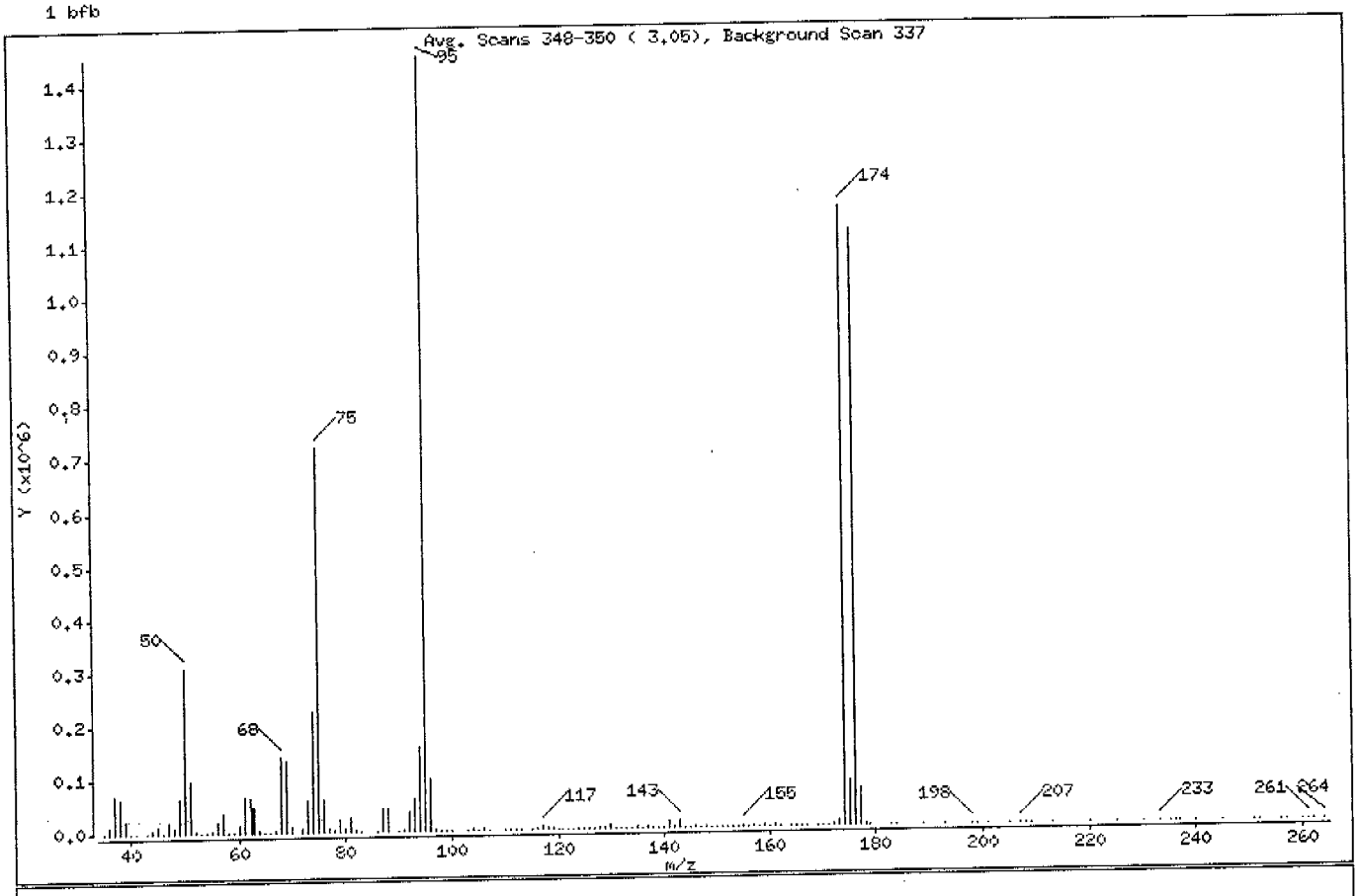
Sample Info: 50ng_4-BFB

Operator: M.Crowe

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	21.30
75	30.00 - 60.00% of mass 95	49.57
96	5.00 - 9.00% of mass 95	6.64
173	Less than 2.00% of mass 174	0.72 (0.90)
174	50.00 - 100.00% of mass 95	80.11
175	5.00 - 9.00% of mass 174	5.69 (7.11)
176	95.00 - 101.00% of mass 174	77.11 (96.25)
177	5.00 - 9.00% of mass 176	4.72 (6.12)

Data File: \\TARGET1_CT\FILES\chem\VOA\msw.i\W050447.b\WB026.D

Date : 14-JUN-2005 09:32

Client ID: BFB

Instrument: msw.i

Sample Info: 50ng_4-BFB

Operator: M.Crowe

Column phase: RTX-624

Column diameter: 0.53

Data File: WB026.D

Spectrum: Avg. Scans 348-350 (3.05), Background Scan 337

Location of Maximum: 95.00

Number of points: 162

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	53	78.00	4265	127.00	389	170.00	470
36.00	13314	79.00	24896	128.00	4846	171.00	474
37.00	69680	80.00	6874	129.00	2002	172.00	1710
38.00	63808	81.00	26128	130.00	5052	173.00	10430
39.00	23600	82.00	4879	131.00	1317	174.00	1161216
40.00	960	83.00	663	132.00	165	175.00	82536
41.00	379	86.00	1084	133.00	280	176.00	1117696
43.00	50	87.00	44816	134.00	368	177.00	68432
44.00	6671	88.00	44384	135.00	2582	178.00	1786
45.00	13556	90.00	78	136.00	496	179.00	96
46.00	244	91.00	4145	137.00	1965	183.00	133
47.00	20912	92.00	37584	138.00	427	184.00	97
48.00	9599	93.00	58520	139.00	466	189.00	51
49.00	64560	94.00	157440	140.00	682	193.00	50
50.00	308736	95.00	1449472	141.00	12487	198.00	69
51.00	97728	96.00	96272	142.00	1682	199.00	35
52.00	3529	97.00	2149	143.00	13692	201.00	39
53.00	242	98.00	68	144.00	870	205.00	52
54.00	91	99.00	51	145.00	1110	207.00	196
55.00	2472	100.00	64	146.00	1924	208.00	139
56.00	19272	103.00	599	147.00	945	209.00	75
57.00	36944	104.00	4945	148.00	2674	213.00	66
58.00	1591	105.00	1637	149.00	860	220.00	57
59.00	298	106.00	4707	150.00	1215	225.00	16
60.00	13889	107.00	1019	151.00	285	230.00	58
61.00	67408	110.00	572	152.00	655	233.00	162
62.00	63288	111.00	906	153.00	805	235.00	33
63.00	47944	112.00	758	154.00	928	236.00	102
64.00	3903	113.00	901	155.00	3767	237.00	51
65.00	1054	115.00	1144	156.00	1328	240.00	47
66.00	321	116.00	3819	157.00	2334	245.00	88
67.00	2659	117.00	7503	158.00	868	251.00	42
68.00	139008	118.00	4438	159.00	1855	252.00	46
69.00	133696	119.00	4685	160.00	144	256.00	104
70.00	9389	120.00	611	161.00	1748	257.00	36

Data File: \\TARGET1_CT\FILES\chem\VOA\msw.i\W050447.b\WB026.D

Date : 14-JUN-2005 09:32

Client ID: BFB

Instrument: msw.i

Sample Info: 50ng_4-BFB

Operator: M.Crowe

Column phase: RTX-624

Column diameter: 0.53

Data File: WB026.D

Spectrum: Avg. Scans 348-350 (3.05), Background Scan 337

Location of Maximum: 95.00

Number of points: 162

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	6531	121.00	59	162.00	262	260.00	45
73.00	59488	122.00	317	164.00	47	261.00	134
74.00	228032	123.00	488	165.00	80	262.00	37
75.00	718464	124.00	805	166.00	79	264.00	33
76.00	61320	125.00	300	167.00	68		
77.00	7523	126.00	429	169.00	113		

Data File: \\TARGET1_CT\FILES\chem\VOA\msw.i\W050447.b\WB026.D

Date : 14-JUN-2005 09:32

Client ID: BFB

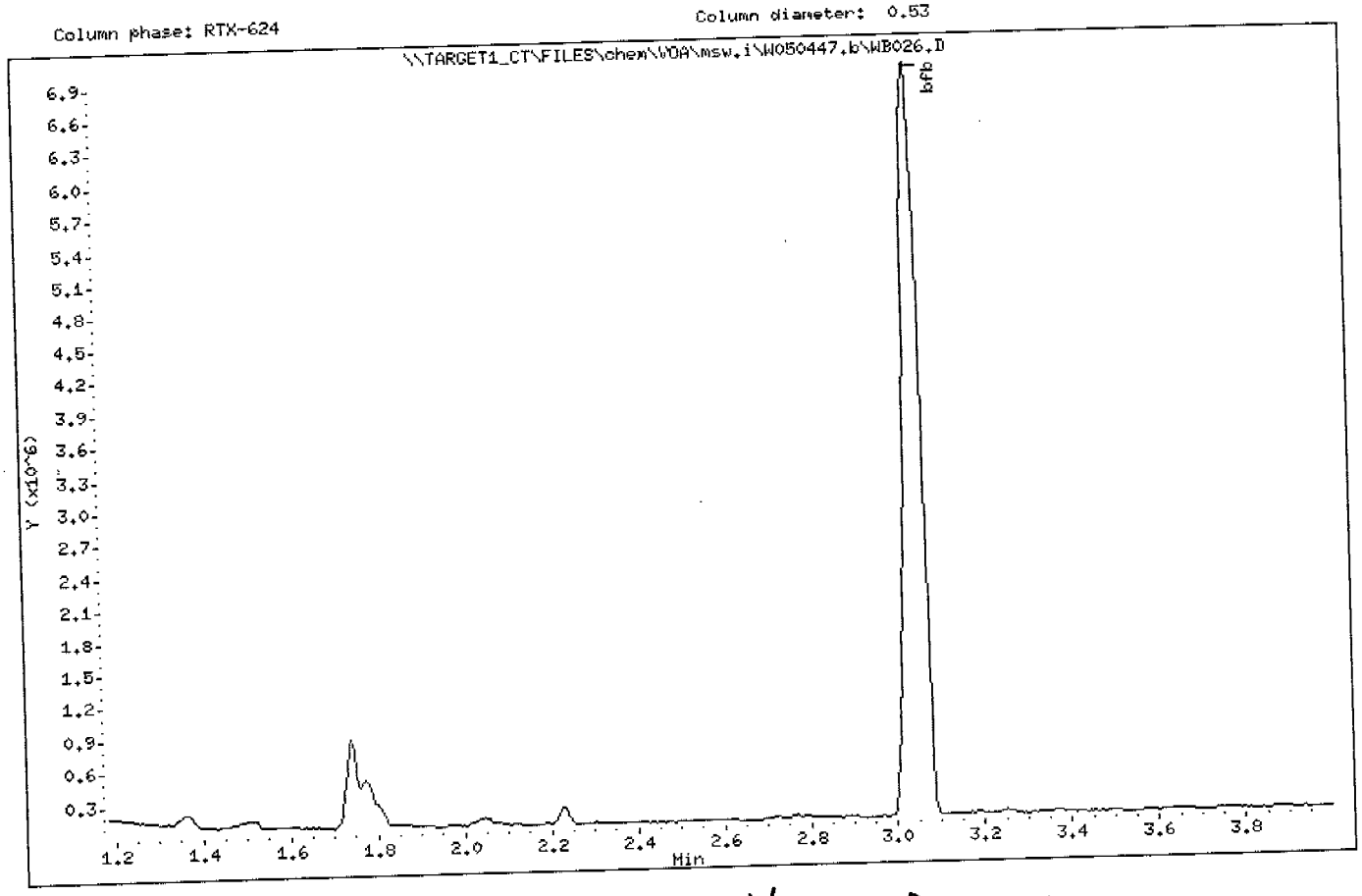
Instrument: msw.i

Sample Info: 50ng_4-BFB

Operator: M.Crowe

Column phase: RTX-624

Column diameter: 0.53



V05FWRK007

QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/19/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		51234 -001		07/08/2005	1151

Test Method.....: 8260B Equipment Code....: MSL Analyst...: pam
Method Description.: Volatile Organics (5mL Purge) Batch.....: 51368

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride, TCLP	mg/L	0.000800 U							
1,1-Dichloroethene, TCLP	mg/L	0.000700 U							
2-Butanone (MEK), TCLP	mg/L	0.001200 U							
Chloroform, TCLP	mg/L	0.000700 U							
Carbon tetrachloride, TCLP	mg/L	0.001000 U							
Benzene, TCLP	mg/L	0.000400 U							
1,2-Dichloroethane, TCLP	mg/L	0.000600 U							
Trichloroethene, TCLP	mg/L	0.000700 U							
Tetrachloroethene, TCLP	mg/L	0.000500 U							
Chlorobenzene, TCLP	mg/L	0.000400 U							

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

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\FILES\chem\VOA\msl.i\L051895.b\L1899.D
Lab Smp Id: MB Client Smp ID: MB
Inj Date : 08-JUL-2005 11:51 MS Autotune Date: 26-APR-2004 14:21
Operator : D. HUMBERT Inst ID: msl.i
Smp Info : MB
Misc Info : : MB ;;; VBLKLD ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msl.i\L051895.b\L8260BFW.m
Meth Date : 08-Jul-2005 16:33 larryd Quant Type: ISTD
Cal Date : 22-JUN-2005 17:45 Cal File: L1545.D
Als bottle: 74 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

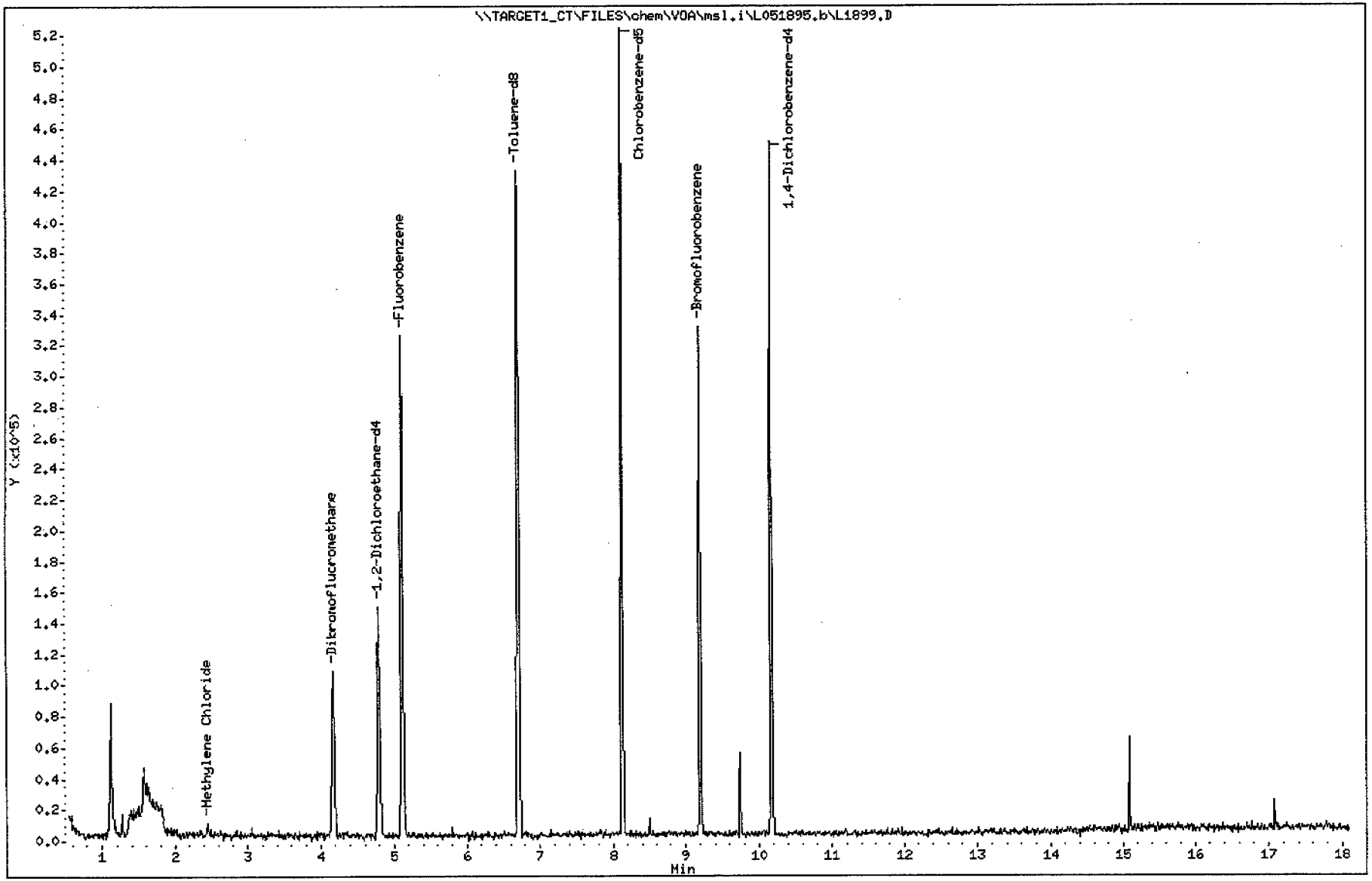
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

D.H. 7/8/05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.112	5.116	(1.000)	286793	25.0000	
17 Methylene Chloride	84	2.446	2.450	(0.479)	2255	0.34307	0.3
$ 38 Dibromofluoromethane	111	4.168	4.181	(0.815)	86799	23.1142	23
$ 52 1,2-Dichloroethane-d4	65	4.788	4.801	(0.936)	129610	23.6281	24
* 70 Chlorobenzene-d5	117	8.123	8.127	(1.000)	238167	25.0000	
$ 72 Toluene-d8	98	6.706	6.720	(0.826)	267416	22.4378	22
* 90 1,4-Dichlorobenzene-d4	152	10.170	10.173	(1.000)	108800	25.0000	
$ 117 Bromofluorobenzene	95	9.196	9.199	(0.904)	104575	22.8840	23

Data File: \\TARGET1_CT\FILES\chem\VOA\ms1.i\L051895.b\L1899.D
Date : 08-JUL-2005 11:51
Client ID: MB
Sample Info: MB
Purge Volume: 5.0
Column phase: RTX-624

Instrument: ms1.i
Operator: D. HUMBERT
Column diameter: 0.53



QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/19/2005

CUSTOMER: ERM PROJECT: RABCO PRODUCTS ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		51248-001		07/09/2005	1317

Test Method.....: 8260B Equipment Code....: MSL Analyst...: pam
Method Description.: Volatile Organics (5mL Purge) Batch.....: 51370

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride, TCLP	mg/L	0.000800 U							
1,1-Dichloroethene, TCLP	mg/L	0.000700 U							
2-Butanone (MEK), TCLP	mg/L	0.001200 U							
Chloroform, TCLP	mg/L	0.000700 U							
Carbon tetrachloride, TCLP	mg/L	0.001000 U							
Benzene, TCLP	mg/L	0.000400 U							
1,2-Dichloroethane, TCLP	mg/L	0.000600 U							
Trichloroethene, TCLP	mg/L	0.000700 U							
Tetrachloroethene, TCLP	mg/L	0.000500 U							
Chlorobenzene, TCLP	mg/L	0.000400 U							

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

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\FILES\chem\VOA\msl.i\L051924.b\L1928.D
Lab Smp Id: MB Client Smp ID: MB
Inj Date : 09-JUL-2005 13:17 MS Autotune Date: 26-APR-2004 14:21
Operator : D. HUMBERT Inst ID: msl.i
Smp Info : MB
Misc Info : : MB ;;; VBLKLF ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msl.i\L051924.b\L8260BFW.m
Meth Date : 09-Jul-2005 15:16 larryd Quant Type: ISTD
Cal Date : 22-JUN-2005 17:45 Cal File: L1545.D
Als bottle: 98 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

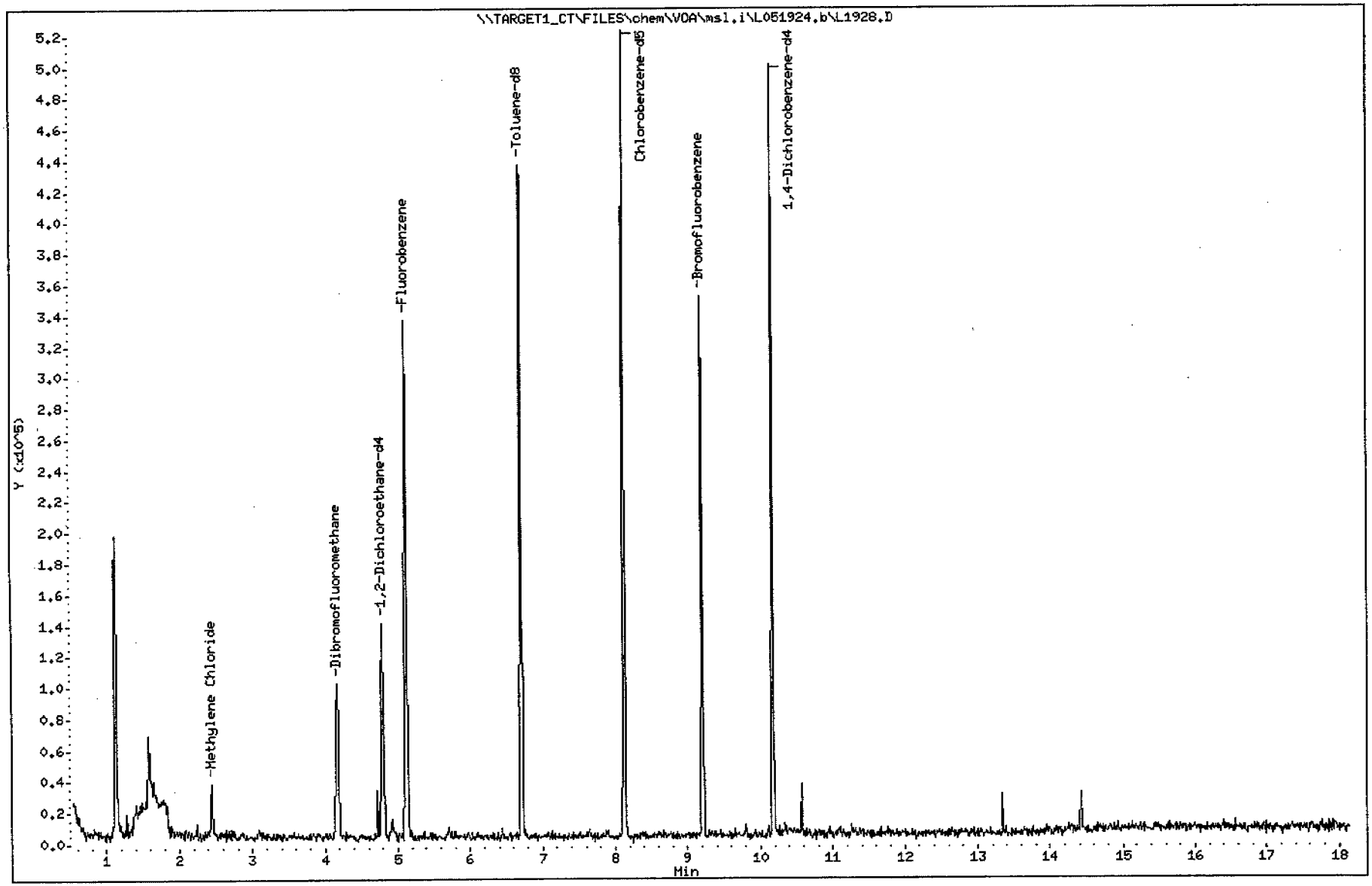
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

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 Fluorobenzene	96	5.117	5.126	(1.000)	291960	25.0000	
17 Methylene Chloride	84	2.450	2.450	(0.479)	10598	1.58384	2
$ 38 Dibromofluoromethane	111	4.172	4.182	(0.815)	82653	21.6206	22
$ 52 1,2-Dichloroethane-d4	65	4.792	4.802	(0.937)	124301	22.2593	22
* 70 Chlorobenzene-d5	117	8.127	8.137	(1.000)	243687	25.0000	
$ 72 Toluene-d8	98	6.720	6.720	(0.827)	268569	22.0241	22
* 90 1,4-Dichlorobenzene-d4	152	10.174	10.184	(1.000)	117769	25.0000	
$ 117 Bromofluorobenzene	95	9.200	9.210	(0.904)	104176	21.0605	21

Data File: \\TARGET1_CT\FILES\chem\VOA\msl.i\L051924.b\L1928.D
Date : 09-JUL-2005 13:17
Client ID: MB
Sample Info: MB
Purge Volume: 5.0
Column phase: RTX-624

Instrument: msl.i
Operator: D. HUMBERT
Column diameter: 0.53



QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/19/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		49916 -001		06/14/2005	1441

Test Method.....: 8260B Equipment Code....: MSL Analyst...: pam
Method Description.: Volatile Organics (5mL Purge) Batch.....: 51368

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride, TCLP	mg/L	0.000800 U							
1,1-Dichloroethene, TCLP	mg/L	0.000700 U							
2-Butanone (MEK), TCLP	mg/L	0.002045 J							B
Chloroform, TCLP	mg/L	0.000700 U							
Carbon tetrachloride, TCLP	mg/L	0.001000 U							
Benzene, TCLP	mg/L	0.000400 U							
1,2-Dichloroethane, TCLP	mg/L	0.000600 U							
Trichloroethene, TCLP	mg/L	0.000700 U							
Tetrachloroethene, TCLP	mg/L	0.000500 U							
Chlorobenzene, TCLP	mg/L	0.000400 U							

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

STL-INC

Volatile Report SW-846 Method 8260B
Data file : \\TARGET1_CT\FILES\chem\VOA\msw.i\W050447.b\W0454.D

Lab Smp Id: MB
Inj Date : 14-JUN-2005 14:41 MS Autotune Date: 06-MAY-2005 08:32
Operator : M.Crowe Inst ID: msw.i
Smp Info : MB
Misc Info : : MB ;;; VBLKWD ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msw.i\W050447.b\W8260LOW.m
Meth Date : 14-Jun-2005 11:17 michael Quant Type: ISTD
Cal Date : 16-MAY-2005 17:44 Cal File: W0007.D
Als bottle: 36
Dil Factor: 1.00000 Compound Sublist: all.sub
Integrator: HP RTE
Target Version: 4.10

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

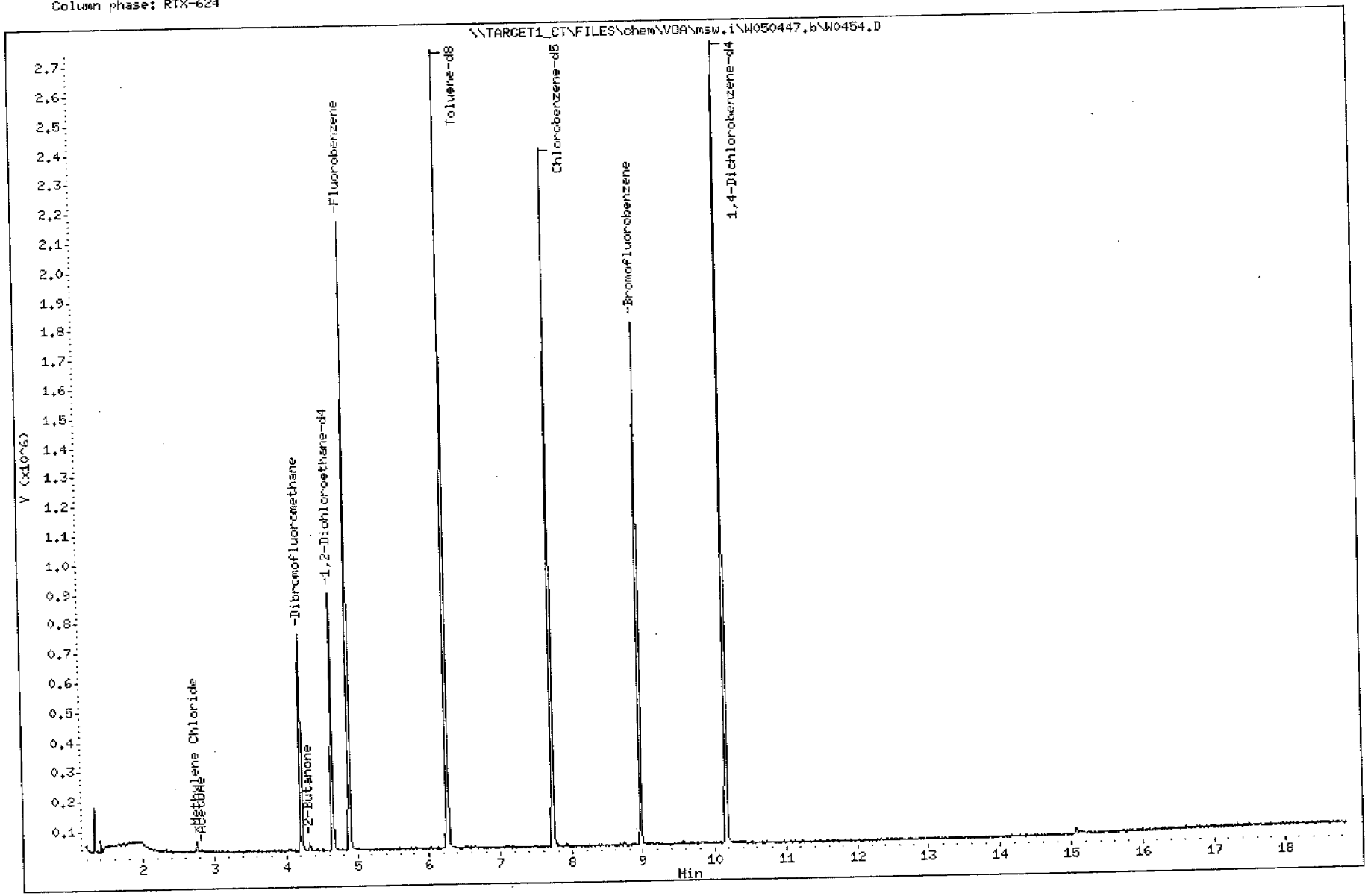
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
* 1 Fluorobenzene	96	4.886	4.886	(1.000)	1433833	25.0000	
17 Methylene Chloride	84	2.767	2.768	(0.566)	10343	0.56456	0.6
18 Acetone	43	2.832	2.810	(0.580)	9143	0.79772	0.8
$ 38 Dibromofluoromethane	111	4.212	4.207	(0.862)	364500	25.3227	25
42 2-Butanone	43	4.330	4.319	(0.886)	29258	2.04467	2
$ 52 1,2-Dichloroethane-d4	65	4.651	4.651	(0.952)	507488	26.4620	26
* 70 Chlorobenzene-d5	117	7.727	7.727	(1.000)	1129792	25.0000	
$ 72 Toluene-d8	98	6.266	6.266	(0.811)	1455921	21.4645	21
* 90 1,4-Dichlorobenzene-d4	152	10.171	10.172	(1.000)	649682	25.0000	
$ 117 Bromofluorobenzene	95	8.973	8.968	(0.882)	549722	19.2540	19

Data File: \\TARGET1_CT\FILES\chem\VOA\msw.i\W050447.b\W0454.D
Date : 14-JUN-2005 14:41
Client ID:
Sample Info: MB
Purge Volume: 5.0
Column phase: RTX-624

Instrument: msw.i

Operator: H.Crowe
Column diameter: 0.53



Data File: \\TARGET1_CT\FILES\chem\VOA\msw.i\W050447.b\W0454.D

Date : 14-JUN-2005 14:41

Client ID:

Instrument: msw.i

Sample Info: MB

Purge Volume: 5.0

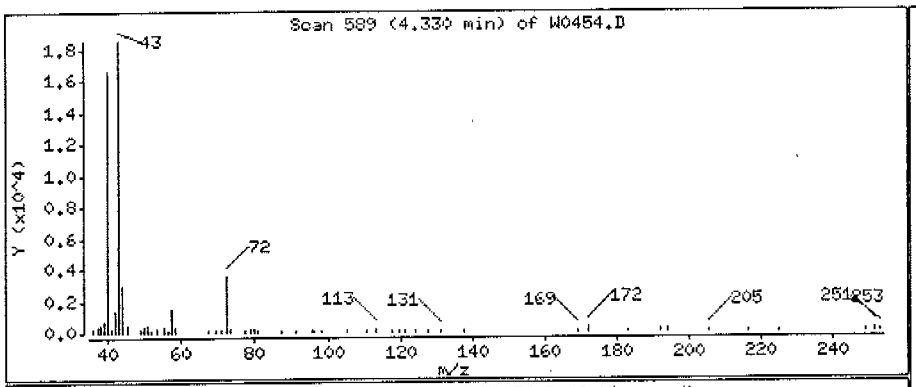
Operator: M.Crowe

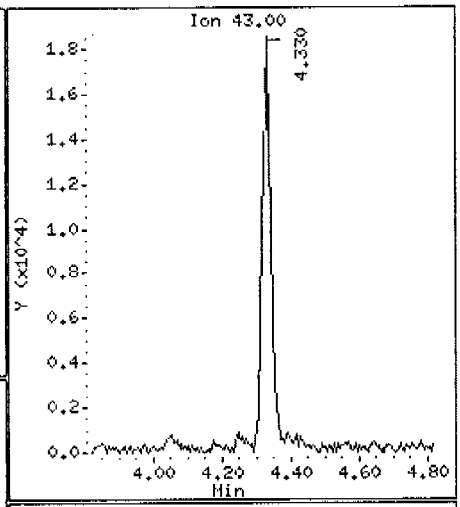
Column phase: RTX-624

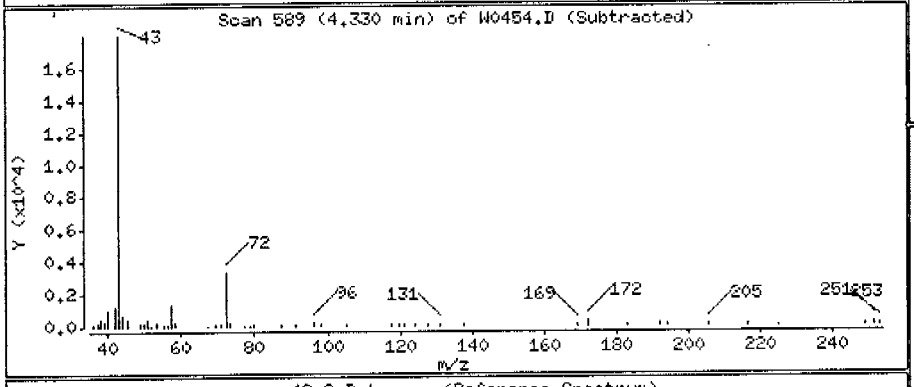
Column diameter: 0.53

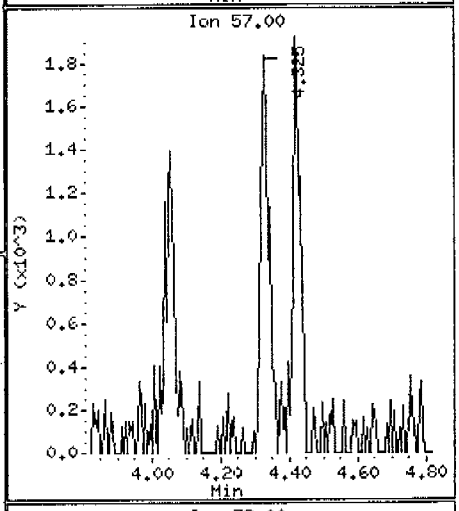
42 2-Butanone

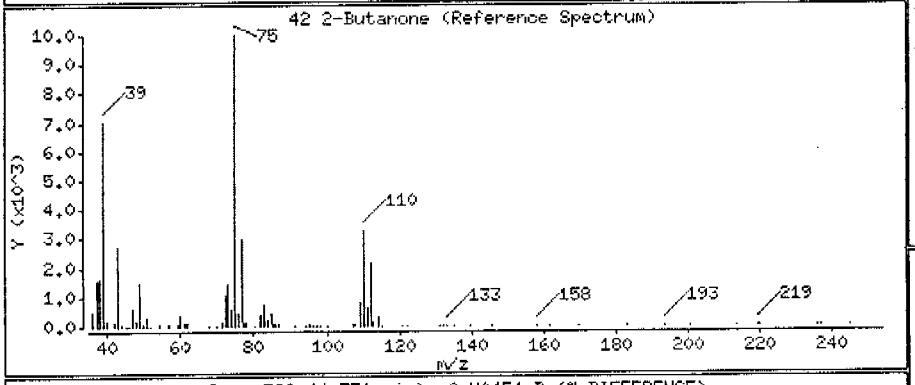
Concentration: 2 ug/L

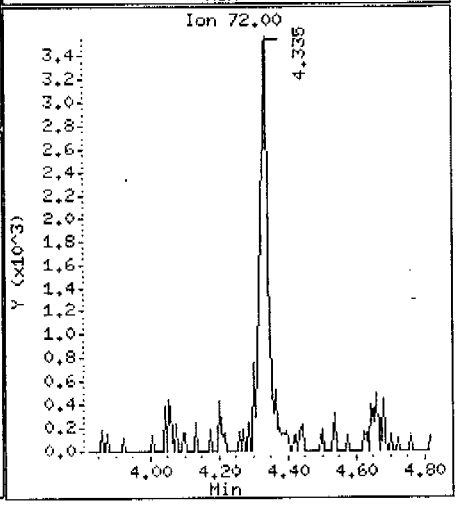


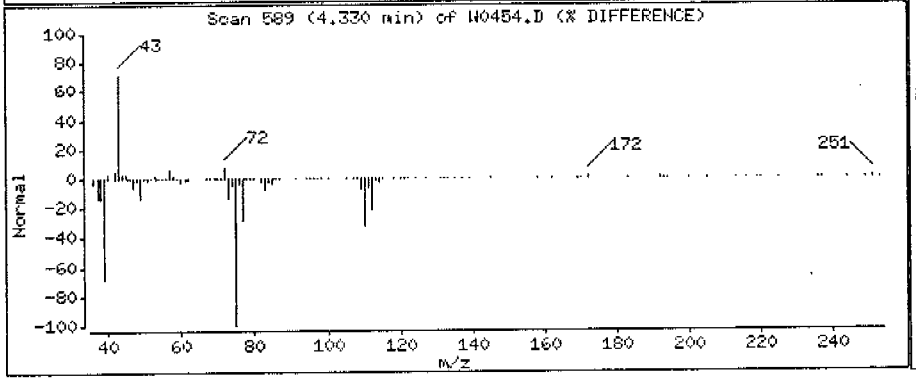












QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/19/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Leachate Extraction Blank 1		49916 -005		06/14/2005	1514

Test Method.....: 8260B Equipment Code....: MSL Analyst...: pam
Method Description.: Volatile Organics (5mL Purge) Batch.....: 51368

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride, TCLP	mg/L	0.000800 U							
1,1-Dichloroethene, TCLP	mg/L	0.000700 U							
2-Butanone (MEK), TCLP	mg/L	0.001200 U							
Chloroform, TCLP	mg/L	0.001018 J							
Carbon tetrachloride, TCLP	mg/L	0.001000 U							
Benzene, TCLP	mg/L	0.000400 U							
1,2-Dichloroethane, TCLP	mg/L	0.000600 U							
Trichloroethene, TCLP	mg/L	0.000700 U							
Tetrachloroethene, TCLP	mg/L	0.000500 U							
Chlorobenzene, TCLP	mg/L	0.000400 U							

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

STL-INC

Volatile Report SW-846 Method 8260B

Data file : \\target1_ct\Files\chem\VOA\msw.i\W050447.b\W0455.D
Lab Smp Id: 49916-3EB1 Client Smp ID: 49916-3EB1
Inj Date : 14-JUN-2005 15:14 MS Autotune Date: 06-MAY-2005 08:32
Operator : nM.Crowe Inst ID: msw.i
Smp Info : TCLPBLK
Misc Info : : ;;; BLK 6/14 ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msw.i\W050447.b\W8260LOW.m
Meth Date : 23-Jun-2005 15:53 joan Quant Type: ISTD
Cal Date : 16-MAY-2005 17:44 Cal File: W0007.D
Als bottle: 37
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10

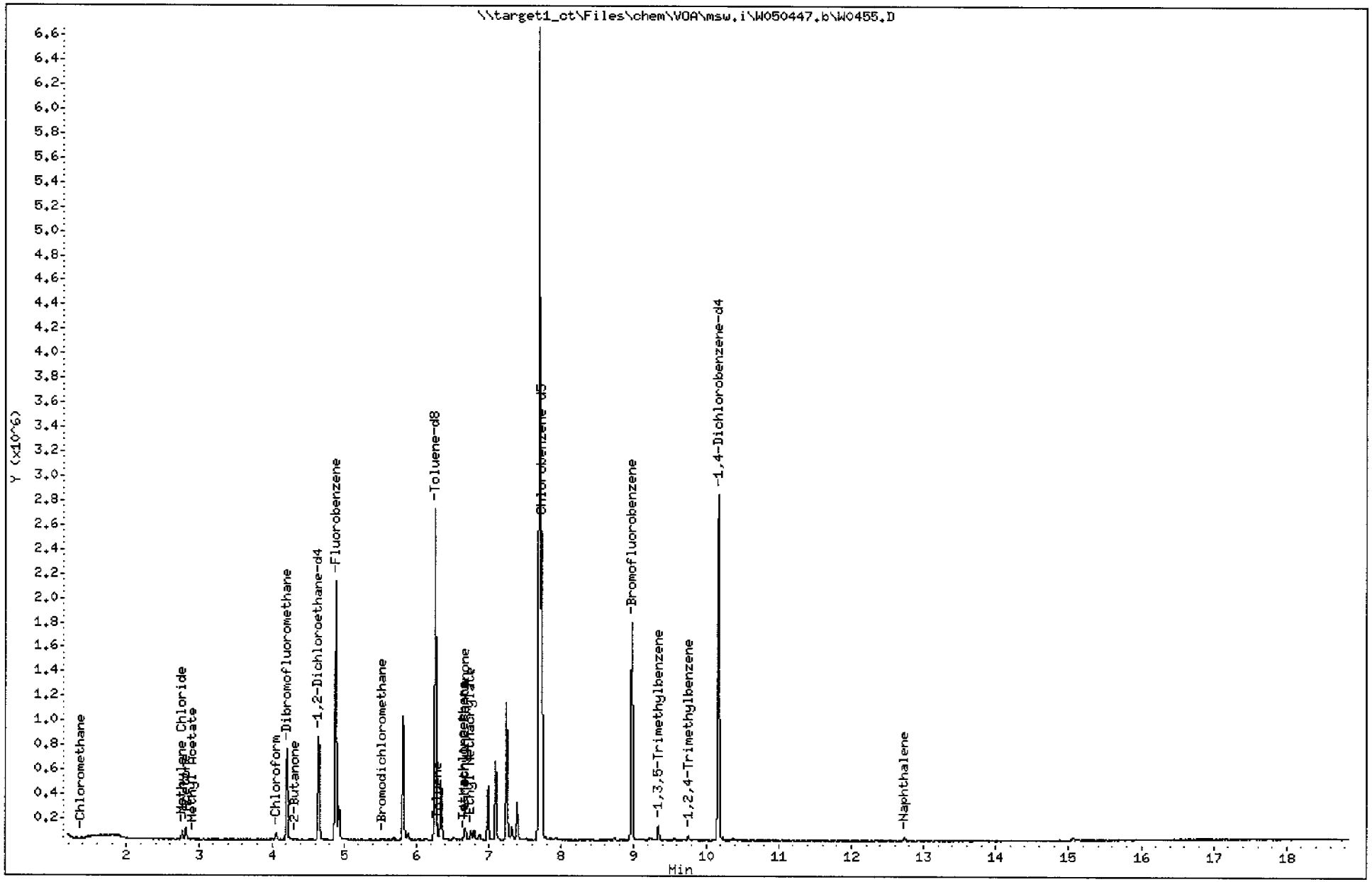
Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	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 Fluorobenzene	96	4.886	4.886	(1.000)	1415781	25.0000	
	3 Chloromethane	50	1.377	1.371	(0.282)	8083	0.31872	0.3
	17 Methylene Chloride	84	2.768	2.768	(0.566)	20304	1.12241	1
	18 Acetone	43	2.816	2.810	(0.576)	99735	8.81278	9
	23 Methyl Acetate	43	2.923	2.917	(0.598)	8224	0.33062	0.3
	35 Chloroform	83	4.062	4.057	(0.831)	28703	1.01835	1
$	38 Dibromofluoromethane	111	4.207	4.207	(0.861)	366465	25.7839	26
	42 2-Butanone	43	4.324	4.319	(0.885)	3156	0.22337	0.2
$	52 1,2-Dichloroethane-d4	65	4.651	4.651	(0.952)	509229	26.8914	27
	61 Bromodichloromethane	83	5.533	5.528	(1.132)	4370	0.21179	0.2
*	70 Chlorobenzene-d5	117	7.727	7.727	(1.000)	1154515	25.0000	
	71 Toluene	91	6.304	6.309	(0.816)	9966	0.11567	0.1
$	72 Toluene-d8	98	6.266	6.266	(0.811)	1430326	20.6356	21
	74 4-Methyl-2-Pentanone	43	6.678	6.678	(0.864)	58534	2.68236	3
	75 Tetrachloroethene	164	6.657	6.657	(0.862)	3674	0.23946	0.2
	76 Ethyl Methacrylate	69	6.753	6.865	(0.874)	30636	1.30802	1
*	90 1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	652257	25.0000	
	99 1,3,5-Trimethylbenzene	105	9.342	9.342	(0.918)	59651	0.71368	0.7
	101 1,2,4-Trimethylbenzene	105	9.760	9.760	(0.960)	19691	0.23038	0.2
	115 Naphthalene	128	12.729	12.734	(1.251)	16424	0.19725	0.2
$	117 Bromofluorobenzene	95	8.973	8.968	(0.882)	540896	18.8701	19

Data File: \\target1_ct\Files\chem\VOA\msw.i\W050447.b\W0455.D
Date : 14-JUN-2005 15:14
Client ID: 49916-3EB1
Sample Info: TCLPBLK
Purge Volume: 5.0
Column phase: RTX-624

Instrument: msw.i
Operator: nM.Crowe
Column diameter: 0.53



Data File: \\target1_ct\Files\chem\VOA\msw.i\W050447.b\W0455.D

Date : 14-JUN-2005 15:14

Client ID: 49916-3EB1

Instrument: msw.i

Sample Info: TCLPBLK

Purge Volume: 5.0

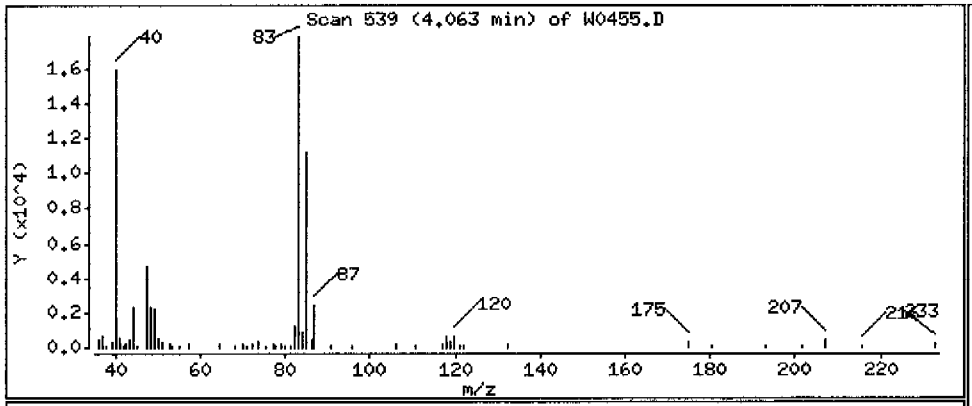
Operator: nM.Crowe

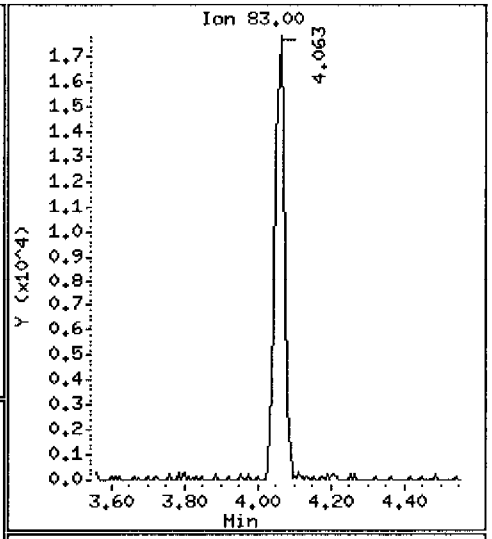
Column phase: RTX-624

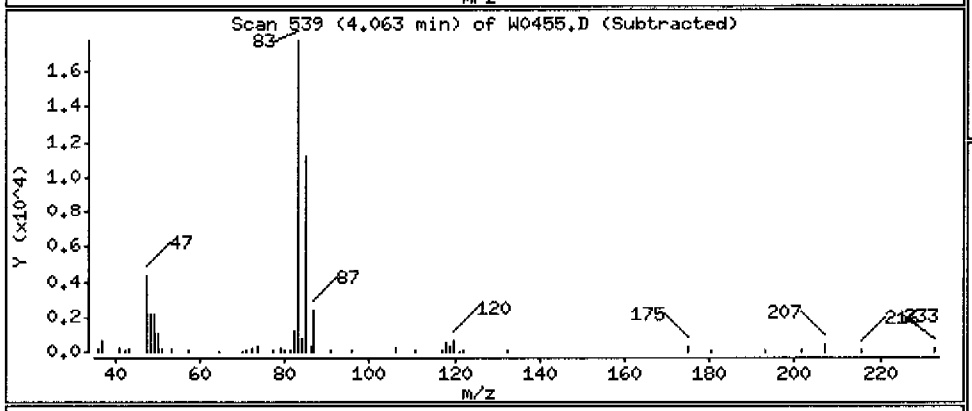
Column diameter: 0.53

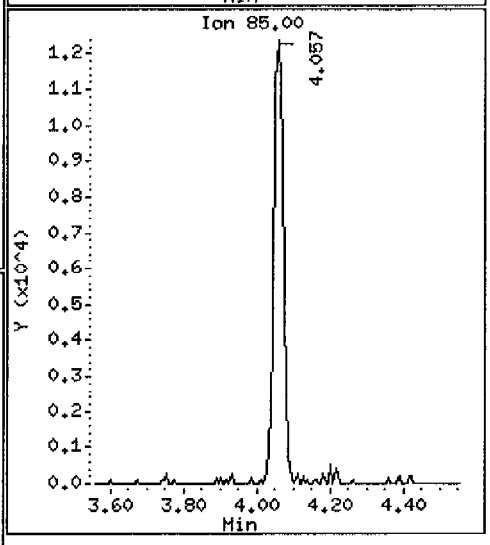
35 Chloroform

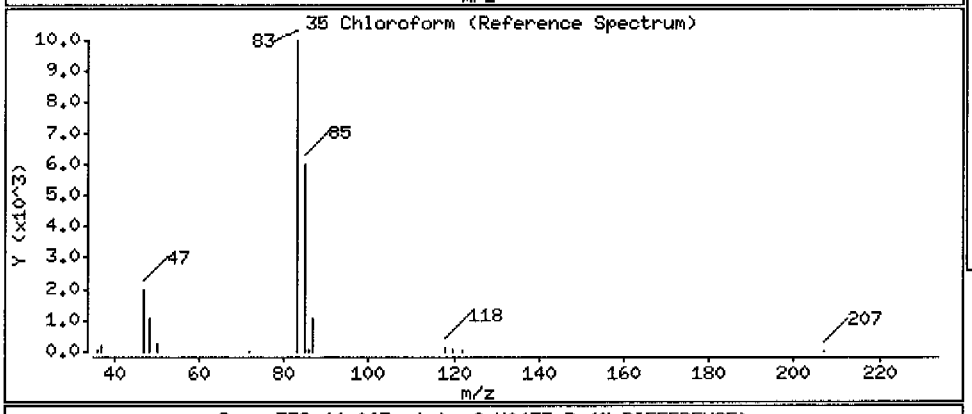
Concentration: 1 ug/L

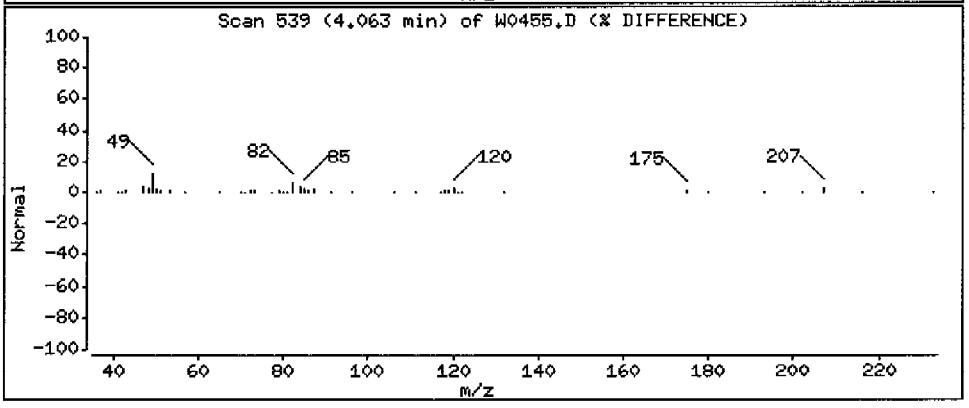












QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/20/2005

CUSTOMER: ERM PROJECT: RABCO PRODUCTS ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05FWRK006	51234-002		07/08/2005	1022

Test Method.....: 8260B Equipment Code....: MSL Analyst...: pam
Method Description.: Volatile Organics (5mL Purge) Batch.....: 51368

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride, TCLP	mg/L	0.022400		0.020000		112	%	51-139	
1,1-Dichloroethene, TCLP	mg/L	0.020267		0.020000		101	%	57-137	
2-Butanone (MEK), TCLP	mg/L	0.018037		0.020000		90	%	30-222	
Chloroform, TCLP	mg/L	0.020682		0.020000		103	%	70-124	
Carbon tetrachloride, TCLP	mg/L	0.020826		0.020000		104	%	56-131	
Benzene, TCLP	mg/L	0.021027		0.020000		105	%	68-126	
1,2-Dichloroethane, TCLP	mg/L	0.020328		0.020000		102	%	68-124	
Trichloroethene, TCLP	mg/L	0.020369		0.020000		102	%	58-125	
Tetrachloroethene, TCLP	mg/L	0.016762		0.020000		84	%	62-118	
Chlorobenzene, TCLP	mg/L	0.017712		0.020000		89	%	71-114	

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\FILES\chem\VOA\msl.i\L051895.b\L1896.D
Lab Smp Id: LCSV05FWRK006 Client Smp ID: LCSV05FWRK006
Inj Date : 08-JUL-2005 10:22 MS Autotune Date: 26-APR-2004 14:21
Operator : D. HUMBERT Inst ID: msl.i
Smp Info : LCSV05FWRK006
Misc Info : : LCS;;; 020PPB_QCS ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msl.i\L051895.b\L8260BFW.m
Meth Date : 08-Jul-2005 14:10 dave Quant Type: ISTD
Cal Date : 22-JUN-2005 17:45 Cal File: L1545.D
Als bottle: 72 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	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

N.A. 7/8/05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.117	5.116	(1.000)	286899	25.0000	
2 Dichlorodifluoromethane	85	1.211	1.210	(0.237)	113642	31.5524	32
3 Chloromethane	50	1.329	1.328	(0.260)	159571	22.6624	23
4 Vinyl Chloride	62	1.378	1.377	(0.269)	147323	22.3997	22
5 Bromomethane	94	1.575	1.574	(0.308)	74375	24.1925	24
6 Chloroethane	64	1.644	1.653	(0.321)	88271	21.3853	21
7 Trichlorofluoromethane	101	1.732	1.732	(0.339)	140066	22.8097	23
9 Ethyl Ether	45	1.910	1.909	(0.373)	95132	22.2320	22
10 Freon 141	81	1.978	1.978	(0.387)	178324	22.5732	22
11 Freon 123a	67	2.057	2.056	(0.402)	36521	23.6177	24
12 Trichlorotrifluoroethane	101	2.067	2.066	(0.404)	91655	22.9623	23
13 1,1-Dichloroethene	96	2.057	2.056	(0.402)	80834	20.2671	20
14 Carbon Disulfide	76	2.096	2.096	(0.410)	262652	14.2756	14
15 Iodomethane	142	2.165	2.164	(0.423)	113923	18.1579	18
16 3-Chloro-1-Propene	41	2.372	2.371	(0.464)	233470	23.5068	24
17 Methylene Chloride	84	2.451	2.450	(0.479)	120865	18.3815	18
18 Acetone	43	2.470	2.469	(0.483)	58033	20.2199	20
19 trans-1,2-Dichloroethene	96	2.579	2.578	(0.504)	94678	19.3316	19
20 Methyl tert-Butyl Ether	73	2.657	2.647	(0.519)	384628	21.9662	22
22 tert-Butyl alcohol	59	2.697	2.686	(0.527)	80481	89.3790	89
23 Methyl Acetate	43	2.559	2.558	(0.500)	361268	24.5265	24
27 Acrylonitrile	53	3.110	3.070	(0.608)	118589	26.8488	27

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
29	1,1-Dichloroethane	63	3.090	3.089	(0.604)	249326	20.1758	20
31	cis-1,2-Dichloroethene	96	3.641	3.640	(0.712)	104444	19.7690	20
32	2,2-Dichloropropane	77	3.759	3.758	(0.735)	191006	21.0058	21
33	Bromochloromethane	128	3.867	3.867	(0.756)	68244	20.8183	21
35	Chloroform	83	3.946	3.945	(0.771)	210989	20.6824	21
36	Ethyl Acetate	43	4.123	4.103	(0.806)	6361	3.18402	3
37	Methyl Acrylate	55	4.113	4.113	(0.804)	146428	20.8174	21
$ 38	Dibromofluoromethane	111	4.182	4.181	(0.817)	88585	23.5811	24
39	Tetrahydrofuran	42	4.182	4.172	(0.817)	103925	46.6223	47
40	1,1,1-Trichloroethane	97	4.222	4.221	(0.825)	142935	20.8284	21
41	Carbon Tetrachloride	117	4.153	4.152	(0.812)	130864	20.8259	21
42	2-Butanone	43	4.320	4.319	(0.844)	93979	18.0366	18
43	1,1-Dichloropropene	75	4.369	4.368	(0.854)	164145	18.9584	19
44	Cyclohexane	84	3.907	3.896	(0.764)	133872	21.0446	21
47	1-Chlorobutane	56	3.897	3.896	(0.762)	192159	20.8786	21
48	Propionitrile	54	4.645	4.644	(0.908)	239382	221.550	220
50	Benzene	78	4.655	4.654	(0.910)	478897	21.0268	21
51	2-Methyl-2-Propenenitrile	41	4.684	4.673	(0.915)	120585	22.1935	22
$ 52	1,2-Dichloroethane-d4	65	4.792	4.801	(0.937)	128826	23.4765	23
53	1,2-Dichloroethane	62	4.871	4.870	(0.952)	183464	20.3281	20
57	Methyl Cyclohexane	83	5.304	5.313	(1.037)	114191	21.8034	22
58	Trichloroethene	130	5.314	5.313	(1.038)	117014	20.3691	20
59	Dibromomethane	93	5.737	5.736	(1.121)	74082	19.8213	20
60	1,2-Dichloropropane	63	5.835	5.834	(1.140)	141386	20.3340	20
61	Bromodichloromethane	83	5.914	5.913	(1.156)	148925	20.5906	20
62	Methyl Methacrylate	69	6.091	6.080	(1.190)	245285	47.6222	48
65	cis-1,3-Dichloropropene	75	6.534	6.533	(1.277)	214104	20.7034	21
66	2-Nitropropane	41	6.957	6.956	(1.360)	88961	42.1727	42
67	Chloroacetonitrile	48	6.868	6.867	(1.342)	135637	444.809	440
68	trans-1,3-Dichloropropene	75	7.154	7.153	(1.398)	194015	20.2834	20
69	1,1,2-Trichloroethane	97	7.301	7.300	(1.427)	94831	21.9966	22
* 70	Chlorobenzene-d5	117	8.128	8.127	(1.000)	253988	25.0000	
71	Toluene	91	6.770	6.769	(0.833)	386874	17.7962	18
$ 72	Toluene-d8	98	6.721	6.720	(0.827)	269699	21.2198	21
73	1,1-Dichloro-2-propanone	43	6.977	6.976	(0.858)	431818	82.7550	83
74	4-Methyl-2-Pentanone	43	7.114	7.113	(0.875)	182636	18.4152	18
75	Tetrachloroethene	164	7.134	7.133	(0.878)	65993	16.7616	17
76	Ethyl Methacrylate	69	7.321	7.320	(0.901)	138344	12.7136	13
77	Dibromochloromethane	129	7.469	7.468	(0.919)	131895	18.2729	18
78	1,3-Dichloropropane	76	7.537	7.537	(0.927)	207642	17.4633	17
79	1,2-Dibromoethane	107	7.665	7.664	(0.943)	101960	16.5845	16
81	2-Hexanone	43	7.882	7.881	(0.970)	130432	18.4796	18
82	1-Chlorohexane	91	8.138	8.137	(1.001)	107600	18.0733	18
83	Chlorobenzene	112	8.147	8.147	(1.002)	246980	17.7119	18
84	1,1,1,2-Tetrachloroethane	131	8.206	8.206	(1.010)	110533	18.3448	18
85	Ethylbenzene	106	8.177	8.176	(1.006)	113240	17.8672	18
86	Xylene (total)mp	106	8.305	8.304	(1.022)	282214	34.2864	34
87	Xylene (total)o	106	8.679	8.678	(1.068)	140944	17.7857	18
88	Styrene	104	8.728	8.727	(1.074)	227034	16.2215	16
89	Bromoform	173	8.757	8.757	(1.077)	71672	17.4469	17
* 90	1,4-Dichlorobenzene-d4	152	10.174	10.173	(1.000)	116973	25.0000	
91	Isopropylbenzene	105	8.964	8.963	(0.881)	328397	17.8371	18
92	1,1,2,2-Tetrachloroethane	83	9.377	9.386	(0.922)	150999	18.8149	19
93	Bromobenzene	156	9.289	9.288	(0.913)	103511	17.1381	17

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
94	1,2,3-Trichloropropane	110	9.495	9.494	(0.933)	37589	18.4476	18
95	trans-1,4-Dichloro-2-Butene	53	9.525	9.524	(0.936)	92338	46.6886	47
96	n-Propylbenzene	91	9.318	9.317	(0.916)	390040	17.8349	18
97	2-Chlorotoluene	91	9.456	9.455	(0.929)	265809	18.1882	18
98	4-Chlorotoluene	91	9.594	9.593	(0.943)	264567	17.3525	17
99	1,3,5-Trimethylbenzene	105	9.495	9.494	(0.933)	269651	18.2722	18
100	tert-Butylbenzene	119	9.771	9.770	(0.960)	229784	18.6557	19
101	1,2,4-Trimethylbenzene	105	9.830	9.829	(0.966)	262043	17.4952	17
102	sec-Butylbenzene	105	9.928	9.927	(0.976)	290379	19.5870	20
103	4-Isopropyltoluene	119	10.046	10.045	(0.987)	273938	18.8488	19
104	1,3-Dichlorobenzene	146	10.115	10.114	(0.994)	179205	17.0437	17
105	1,4-Dichlorobenzene	146	10.194	10.193	(1.002)	189054	17.4923	17
106	1,2-Dichlorobenzene	146	10.548	10.557	(1.037)	184185	17.8854	18
107	Benzyl Chloride	126	10.401	10.400	(1.022)	41987	16.5799	16
108	n-Butylbenzene	91	10.410	10.410	(1.023)	403707	17.4845	17
111	1,2-Dibromo-3-chloropropane	75	11.247	11.246	(1.105)	27230	18.4842	18
112	Nitrobenzene	77	11.739	11.738	(1.154)	52536	139.794	140
113	1,2,4-Trichlorobenzene	180	11.857	11.856	(1.165)	83032	19.0304	19
114	Hexachlorobutadiene	225	11.837	11.836	(1.163)	58718	22.5055	22
115	Naphthalene	128	12.132	12.131	(1.192)	261903	18.2174	18
116	1,2,3-Trichlorobenzene	180	12.309	12.308	(1.210)	78392	20.0349	20
$ 117	Bromofluorobenzene	95	9.200	9.199	(0.904)	109210	22.2285	22
M 118	1,2-Dichloroethene (total)	100				199122	39.1006	39
M 119	Xylene (total)	100				423158	52.0721	52

Data File: \\TARGET1_CT\FILES\chem\VOA\msl.i\L051895.b\L1896.D
Date : 08-JUL-2005 10:22
Client ID: LCSV05FMRK006
Sample Info: LCSV05FMRK006
Purge Volume: 5.0
Column phase: RTX-624

Instrument: msl.i
Operator: D. HUMBERT
Column diameter: 0.53

\\TARGET1_CT\FILES\chem\VOA\msl.i\L051895.b\L1896.D

QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/20/2005

CUSTOMER: ERM PROJECT: RABCO PRODUCTS ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05PWRK006	51248 -002		07/09/2005	1150

Test Method.....: 8260B Equipment Code....: MSL Analyst...: pam
Method Description.: Volatile Organics (5mL Purge) Batch.....: 51370

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride, TCLP	mg/L	0.021426		0.020000		107	%	51-139	
1,1-Dichloroethene, TCLP	mg/L	0.020752		0.020000		104	%	57-137	
2-Butanone (MEK), TCLP	mg/L	0.024112		0.020000		121	%	30-222	
Chloroform, TCLP	mg/L	0.020461		0.020000		102	%	70-124	
Carbon tetrachloride, TCLP	mg/L	0.020479		0.020000		102	%	56-131	
Benzene, TCLP	mg/L	0.020703		0.020000		104	%	68-126	
1,2-Dichloroethane, TCLP	mg/L	0.020641		0.020000		103	%	68-124	
Trichloroethene, TCLP	mg/L	0.019402		0.020000		97	%	58-125	
Tetrachloroethene, TCLP	mg/L	0.016080		0.020000		80	%	62-118	
Chlorobenzene, TCLP	mg/L	0.017696		0.020000		88	%	71-114	

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\FILES\chem\VOA\msl.i\L051924.b\L1925.D
Lab Smp Id: LCSV05FWRK006 Client Smp ID: LCSV05FWRK006
Inj Date : 09-JUL-2005 11:50 MS Autotune Date: 26-APR-2004 14:21
Operator : D. HUMBERT Inst ID: msl.i
Smp Info : LCSV05FWRK006
Misc Info : : LCS;;; 020PPB_QCS ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msl.i\L051924.b\L8260BFW.m
Meth Date : 09-Jul-2005 15:13 larryd Quant Type: ISTD
Cal Date : 22-JUN-2005 17:45 Cal File: L1545.D
Als bottle: 96 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	5.000	ng unit correction factor
Vo	5.000	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)	FINAL (ug/L)
* 1	Fluorobenzene	96	5.126	5.126	(1.000)	288243	25.0000	
2	Dichlorodifluoromethane	85	1.220	1.220	(0.238)	108287	29.9254	30
3	Chloromethane	50	1.338	1.338	(0.261)	167186	23.6331	24
4	Vinyl Chloride	62	1.378	1.378	(0.269)	141580	21.4261	21
5	Bromomethane	94	1.574	1.575	(0.307)	71802	23.2466	23
6	Chloroethane	64	1.653	1.653	(0.323)	91407	22.0418	22
7	Trichlorofluoromethane	101	1.742	1.742	(0.340)	132471	21.4722	21
9	Ethyl Ether	45	1.919	1.919	(0.374)	92181	21.4419	21
10	Freon 141	81	1.978	1.988	(0.386)	181119	22.8201	23
11	Freon 123a	67	2.057	2.057	(0.401)	30679	19.7473	20
12	Trichlorotrifluoroethane	101	2.076	2.076	(0.405)	91830	22.8989	23
13	1,1-Dichloroethene	96	2.057	2.057	(0.401)	83156	20.7521	21
14	Carbon Disulfide	76	2.106	2.106	(0.411)	248185	13.4264	13
15	Iodomethane	142	2.165	2.165	(0.422)	81889	12.9912	13
16	3-Chloro-1-Propene	41	2.371	2.371	(0.463)	223484	22.3965	22
17	Methylene Chloride	84	2.450	2.450	(0.478)	123535	18.7000	19
18	Acetone	43	2.480	2.480	(0.484)	104503	36.2412	36
19	trans-1,2-Dichloroethene	96	2.578	2.578	(0.503)	91602	18.6164	19
20	Methyl tert-Butyl Ether	73	2.657	2.657	(0.518)	406949	23.1326	23
22	tert-Butyl alcohol	59	2.696	2.696	(0.526)	86755	95.8974	96
23	Methyl Acetate	43	2.568	2.568	(0.501)	362762	24.5131	24
27	Acrylonitrile	53	3.119	3.080	(0.608)	122986	27.7144	28

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	29 1,1-Dichloroethane	63	3.099	3.100	(0.605)	253496	20.4176	20
	31 cis-1,2-Dichloroethene	96	3.641	3.641	(0.710)	103279	19.4573	19
	32 2,2-Dichloropropane	77	3.768	3.769	(0.735)	197444	21.6125	22
	33 Bromochloromethane	128	3.877	3.877	(0.756)	71788	21.7974	22
	35 Chloroform	83	3.955	3.956	(0.772)	209711	20.4613	20
	37 Methyl Acrylate	55	4.123	4.113	(0.804)	149124	21.1018	21
$	38 Dibromofluoromethane	111	4.182	4.182	(0.816)	92280	24.4501	24
	39 Tetrahydrofuran	42	4.182	4.182	(0.816)	104714	46.7572	47
	40 1,1,1-Trichloroethane	97	4.231	4.231	(0.825)	138700	20.1170	20
	41 Carbon Tetrachloride	117	4.152	4.162	(0.810)	129286	20.4788	20
	42 2-Butanone	43	4.329	4.329	(0.845)	126222	24.1117	24
	43 1,1-Dichloropropene	75	4.378	4.379	(0.854)	171174	19.6780	20
	44 Cyclohexane	84	3.906	3.906	(0.762)	133252	20.8495	21
	47 1-Chlorobutane	56	3.906	3.906	(0.762)	186790	20.2006	20
	48 Propionitrile	54	4.644	4.644	(0.906)	239912	221.005	220
	49 Isobutyl alcohol	42	4.929	4.900	(0.962)	12122	57.4236	57
	50 Benzene	78	4.664	4.664	(0.910)	473726	20.7028	21
	51 2-Methyl-2-Propenenitrile	41	4.684	4.684	(0.914)	117866	21.5920	22
$	52 1,2-Dichloroethane-d4	65	4.802	4.802	(0.937)	132613	24.0540	24
	53 1,2-Dichloroethane	62	4.880	4.880	(0.952)	187157	20.6406	21
	57 Methyl Cyclohexane	83	5.313	5.313	(1.036)	119951	22.7964	23
	58 Trichloroethene	130	5.313	5.313	(1.036)	111979	19.4017	19
	59 Dibromomethane	93	5.746	5.746	(1.121)	73190	19.4914	19
	60 1,2-Dichloropropane	63	5.835	5.835	(1.138)	148263	21.2236	21
	61 Bromodichloromethane	83	5.923	5.923	(1.155)	150196	20.6695	21
	62 Methyl Methacrylate	69	6.090	6.091	(1.188)	254649	49.2097	49
	63 1,4-Dioxane	58	6.130	6.130	(1.196)	19392	441.722	440
	65 cis-1,3-Dichloropropene	75	6.543	6.543	(1.276)	215770	20.7672	21
	66 2-Nitropropane	41	6.956	6.956	(1.357)	92079	43.4473	43
	67 Chloroacetonitrile	48	6.878	6.878	(1.342)	141497	461.863	460
	68 trans-1,3-Dichloropropene	75	7.153	7.153	(1.395)	201003	20.9160	21
	69 1,1,2-Trichloroethane	97	7.301	7.301	(1.424)	91528	21.1314	21
*	70 Chlorobenzene-d5	117	8.137	8.137	(1.000)	256457	25.0000	
	71 Toluene	91	6.769	6.769	(0.832)	386184	17.5935	18
$	72 Toluene-d8	98	6.720	6.720	(0.826)	263441	20.5278	20
	73 1,1-Dichloro-2-propanone	43	6.986	6.986	(0.859)	457955	86.9190	87
	74 4-Methyl-2-Pentanone	43	7.124	7.114	(0.875)	192638	19.2367	19
	75 Tetrachloroethene	164	7.143	7.143	(0.878)	63926	16.0802	16
	76 Ethyl Methacrylate	69	7.320	7.320	(0.900)	145048	13.2014	13
	77 Dibromochloromethane	129	7.468	7.468	(0.918)	129149	17.7202	18
	78 1,3-Dichloropropane	76	7.547	7.547	(0.927)	215018	17.9095	18
	79 1,2-Dibromoethane	107	7.665	7.675	(0.942)	103485	16.6705	17
	81 2-Hexanone	43	7.881	7.881	(0.969)	164066	23.0211	23
	82 1-Chlorohexane	91	8.137	8.137	(1.000)	122843	20.4350	20
	83 Chlorobenzene	112	8.147	8.147	(1.001)	249160	17.6962	18
	84 1,1,1,2-Tetrachloroethane	131	8.206	8.206	(1.008)	111133	18.2668	18
	85 Ethylbenzene	106	8.176	8.176	(1.005)	112450	17.5717	18
	86 Xylene (total)mp	106	8.314	8.314	(1.022)	283742	34.1401	34
	87 Xylene (total)o	106	8.688	8.688	(1.068)	137855	17.2284	17
	88 Styrene	104	8.727	8.727	(1.073)	232654	16.4630	16
	89 Bromoform	173	8.757	8.757	(1.076)	72928	17.5818	18
*	90 1,4-Dichlorobenzene-d4	152	10.184	10.184	(1.000)	116646	25.0000	
	91 Isopropylbenzene	105	8.963	8.964	(0.880)	330787	18.0173	18
	92 1,1,2,2-Tetrachloroethane	83	9.387	9.387	(0.922)	156964	19.6130	20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
93	Bromobenzene	156	9.298	9.298	(0.913)	105844	17.5735	18
94	1,2,3-Trichloropropane	110	9.495	9.495	(0.932)	37497	18.4540	18
95	trans-1,4-Dichloro-2-Butene	53	9.534	9.534	(0.936)	99133	50.2648	50
96	n-Propylbenzene	91	9.328	9.328	(0.916)	388597	17.8187	18
97	2-Chlorotoluene	91	9.455	9.456	(0.928)	268322	18.4116	18
98	4-Chlorotoluene	91	9.603	9.603	(0.943)	259642	17.0772	17
99	1,3,5-Trimethylbenzene	105	9.495	9.495	(0.932)	258552	17.5692	18
100	tert-Butylbenzene	119	9.770	9.770	(0.959)	230213	18.7429	19
101	1,2,4-Trimethylbenzene	105	9.829	9.829	(0.965)	270682	18.1227	18
102	sec-Butylbenzene	105	9.928	9.928	(0.975)	296773	20.0744	20
103	4-Isopropyltoluene	119	10.056	10.056	(0.987)	268806	18.5476	18
104	1,3-Dichlorobenzene	146	10.115	10.115	(0.993)	188436	17.9718	18
105	1,4-Dichlorobenzene	146	10.193	10.193	(1.001)	196665	18.2475	18
106	1,2-Dichlorobenzene	146	10.557	10.558	(1.037)	189299	18.4335	18
107	Benzyl Chloride	126	10.400	10.400	(1.021)	45836	18.1505	18
108	n-Butylbenzene	91	10.410	10.410	(1.022)	419893	18.2365	18
111	1,2-Dibromo-3-chloropropane	75	11.246	11.256	(1.104)	25796	17.5599	18
112	Nitrobenzene	77	11.738	11.738	(1.153)	65698	175.307	180
113	1,2,4-Trichlorobenzene	180	11.856	11.856	(1.164)	81484	18.7280	19
114	Hexachlorobutadiene	225	11.836	11.837	(1.162)	53085	20.4035	20
115	Naphthalene	128	12.141	12.142	(1.192)	278298	19.4121	19
116	1,2,3-Trichlorobenzene	180	12.309	12.309	(1.209)	79332	20.3320	20
$ 117	Bromofluorobenzene	95	9.209	9.210	(0.904)	108518	22.1495	22
M 118	1,2-Dichloroethene (total)	100				194881	38.0737	38
M 119	Xylene (total)	100				421597	51.3685	51

Data File: \\TARGET4_CT\FILES\chem\VOA\ms1.i\L051924.b\L1925.D
Date : 09-JUL-2005 11:50
Client ID: LCSV05FWRK006
Sample Info: LCSV05FWRK006
Purge Volume: 5.0
Column phase: RTX-624
Instrument: ms1.i
Operator: D. HUMBERT
Column diameter: 0.53
\\TARGET4_CT\FILES\chem\VOA\ms1.i\L051924.b\L1925.D
Y (x10^6)
Min
-Dichlorodifluoromethane
-Chloromethane
-Bromomethane
-Vinyl Chloride
-Chloroethane
-Trichlorofluoromethane
-Ethyl Ether
-Freon 123a+
-Iodomethane
-Carbon Disulfide
-3-Chloro-1-Propene
-Methylene Chloride
-Acetone
-trans-1,2-Dichloroethene+
-Methyl tert-butyl Ether
-tert-Butyl alcohol
-Acrylonitrile+
-cis-1,2-Dichloroethene
-2,2-Dichloropropane
-Bromochloromethane
-Chloroform
-Methyl Acrylate/Methylene chloride+
-1,1,1-Trichloroethane
-2-Butanone
-1,1-Dichloropropene
-Propionitrile+
-Benzene
-2-Methyl-2-Propenenitrile
-1,2-Dichloroethane-d4
-1,2-Dichloroethane
Isobutyl alcohol
-Fluorobenzene
-Methyl Cyclohexane+
-Dibromomethane
-1,2-Dichloropropane
-Bromodichloromethane
-Methyl Methacrylate
1,4-Dioxane
-cis-1,3-Dichloropropene
-Toluene-d8
-Toluene
-Chloroacetonitrile
-2-Nitropropane
-1,1-Dichloro-2-propanone
-4-Methyl-2-Pentanone
-trans-1,3-Dichloropropene+
-1,1,2-Trichloroethane+
-Dibromochloromethane
-1,3-Dichloropropane
-1,2-Dibromoethane
-2-Hexanone
-Ethylbenzene
1,1,1,2-Tetrachloroethane
Chlorobenzene-d5+
Xylene (total)mp
-Xylene (total)o
-Styrene
Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-Bromobenzene
-n-Propylbenzene
-1,1,2,2-Tetrachloroethane
-1,2,3-Trichloropropane+
-4-Chlorotoluene
-trans-1,4-Dichloro-2-Butene
-2-Chlorotoluene
-tert-Butylbenzene
-1,3,5-Trimethylbenzene
-sec-Butylbenzene
-1,3-Dichlorobenzene
-4-Isopropyltoluene
-1,4-Dichlorobenzene-d4+
-Benzyl Chloride+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-Nitrobenzene
-Hexachlorobutadiene
-1,2,4-Trichlorobenzene
-Naphthalene
-1,2,3-Trichlorobenzene

Page 5

QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/20/2005

CUSTOMER: ERM PROJECT: RABCO PRODUCTS ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05PWRK006	19916-002		06/14/2005	1313

Test Method.....: 8260B Equipment Code....: MSL Analyst...: pam
Method Description.: Volatile Organics (5mL Purge) Batch.....: 51368

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride, TCLP	mg/L	0.003576 J		0.005000		72	%	51-139	
1,1-Dichloroethene, TCLP	mg/L	0.004742 J		0.005000		95	%	57-137	
2-Butanone (MEK), TCLP	mg/L	0.004899 J		0.005000		98	%	30-222	
Chloroform, TCLP	mg/L	0.005321		0.005000		106	%	70-124	
Carbon tetrachloride, TCLP	mg/L	0.005705		0.005000		114	%	56-131	
Benzene, TCLP	mg/L	0.004531 J		0.005000		91	%	68-126	
1,2-Dichloroethane, TCLP	mg/L	0.005260		0.005000		105	%	68-124	
Trichloroethene, TCLP	mg/L	0.004652 J		0.005000		93	%	58-125	
Tetrachloroethene, TCLP	mg/L	0.005017		0.005000		100	%	62-118	
Chlorobenzene, TCLP	mg/L	0.004730 J		0.005000		95	%	71-114	

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

STL-INC

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\FILES\chem\VOA\msw.i\W050447.b\W0452.D
Lab Smp Id: LCSV05FWRK006 Client Smp ID: LCSV05FWRK006
Inj Date : 14-JUN-2005 13:13
Operator : M.Crowe Inst ID: msw.i
Smp Info : LCSV05FWRK006
Misc Info : : LCS;;; 005_ppbQCS ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msw.i\W050447.b\W8260LOW.m
Meth Date : 14-Jun-2005 11:17 michael Quant Type: ISTD
Cal Date : 16-MAY-2005 17:44 Cal File: W0007.D
Als bottle: 35 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: CONMSNNT

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

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

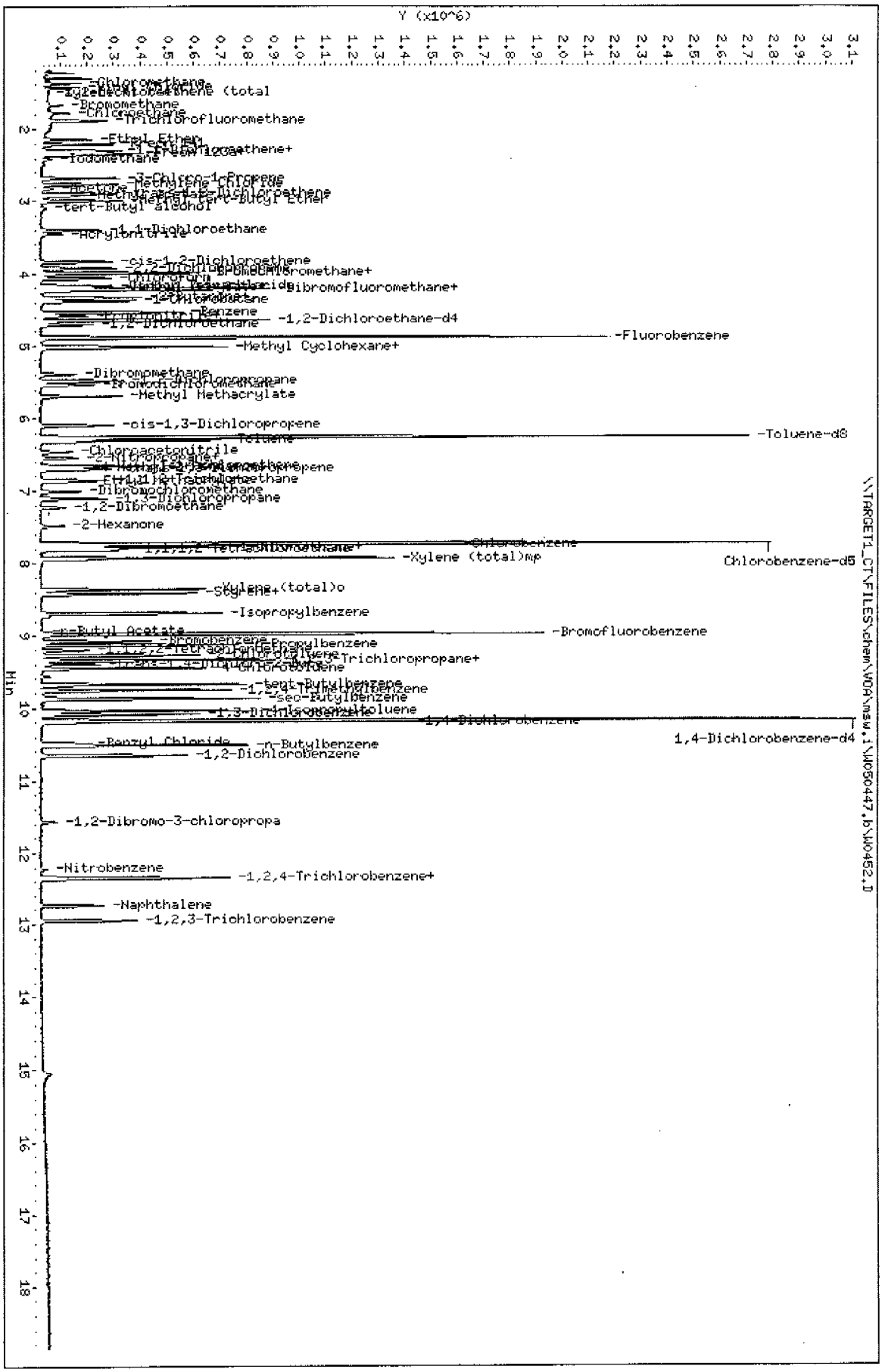
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.886	4.886	(1.000)	1487340	25.0000	
2 Dichlorodifluoromethane	85	1.232	1.232	(0.252)	61632	4.13807	4
3 Chloromethane	50	1.377	1.371	(0.282)	90664	3.40299	3
4 Vinyl Chloride	62	1.436	1.435	(0.294)	69960	3.57640	4
5 Bromomethane	94	1.676	1.676	(0.343)	26315	3.66627	4
6 Chloroethane	64	1.778	1.773	(0.364)	43841	4.41445	4
7 Trichlorofluoromethane	101	1.885	1.879	(0.386)	127830	5.78656	6
9 Ethyl Ether	45	2.136	2.136	(0.437)	59761	4.31787	4
10 Freon 141	81	2.211	2.211	(0.453)	161639	5.71231	6
11 Freon 123a	67	2.345	2.340	(0.480)	18627	4.88882	5
12 Trichlorotrifluoroethane	101	2.329	2.329	(0.477)	82672	5.08256	5
13 1,1-Dichloroethene	96	2.292	2.291	(0.469)	66763	4.74171	5
14 Carbon Disulfide	76	2.308	2.307	(0.472)	159080	3.02226	3
15 Iodomethane	142	2.404	2.409	(0.492)	31245	1.84667	2
16 3-Chloro-1-Propene	41	2.682	2.682	(0.549)	157736	4.50717	4
17 Methylene Chloride	84	2.768	2.768	(0.566)	88786	4.67196	5
18 Acetone	43	2.821	2.810	(0.577)	47667	4.00930	4
19 trans-1,2-Dichloroethene	96	2.896	2.896	(0.593)	78640	4.69967	5
20 Methyl tert-Butyl Ether	73	2.987	2.987	(0.611)	216959	4.09569	4
22 tert-Butyl alcohol	59	3.089	3.067	(0.632)	25593	9.16341	9
23 Methyl Acetate	43	2.917	2.917	(0.597)	136919	5.23950	5
27 Acrylonitrile	53	3.452	3.447	(0.707)	50263	5.77801	6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
29	1,1-Dichloroethane	63	3.399	3.399	(0.696)	172795	4.95702	5
31	cis-1,2-Dichloroethene	96	3.832	3.837	(0.784)	86027	4.71383	5
32	2,2-Dichloropropane	77	3.923	3.923	(0.803)	143791	5.18478	5
33	Bromochloromethane	128	3.998	3.993	(0.818)	38736	5.02638	5
35	Chloroform	83	4.057	4.057	(0.830)	157545	5.32061	5
37	Methyl Acrylate	55	4.180	4.180	(0.855)	57256	3.19633	3
$ 38	Dibromofluoromethane	111	4.207	4.207	(0.861)	378312	25.3368	25
39	Tetrahydrofuran	42	4.191	4.185	(0.858)	49227	6.70499	7
40	1,1,1-Trichloroethane	97	4.223	4.228	(0.864)	147433	5.54144	6
41	Carbon Tetrachloride	117	4.164	4.164	(0.852)	129181	5.70483	6
42	2-Butanone	43	4.324	4.319	(0.885)	72711	4.89854	5
43	1,1-Dichloropropene	75	4.324	4.324	(0.885)	114942	4.55125	4
44	Cyclohexane	84	3.987	3.993	(0.816)	123797	4.27138	4
47	1-Chlorobutane	56	4.373	4.372	(0.895)	216031	4.68356	5
48	Propionitrile	54	4.576	4.570	(0.937)	92362	30.7068	31
50	Benzene	78	4.533	4.533	(0.928)	349083	4.53119	4
51	2-Methyl-2-Propenenitrile	41	4.587	4.586	(0.939)	45468	3.43882	3
$ 52	1,2-Dichloroethane-d4	65	4.651	4.651	(0.952)	503792	25.3243	25
53	1,2-Dichloroethane	62	4.704	4.704	(0.963)	130463	5.26030	5
57	Methyl Cyclohexane	83	5.015	5.009	(1.026)	149572	4.51182	4
58	Trichloroethene	130	5.020	5.025	(1.027)	92328	4.65178	5
59	Dibromomethane	93	5.384	5.384	(1.102)	41521	4.42330	4
60	1,2-Dichloropropane	63	5.475	5.474	(1.120)	94385	4.82974	5
61	Bromodichloromethane	83	5.528	5.528	(1.131)	109487	5.05099	5
62	Methyl Methacrylate	69	5.689	5.688	(1.164)	84482	7.22385	7
65	cis-1,3-Dichloropropene	75	6.095	6.095	(1.247)	120305	4.17944	4
66	2-Nitropropane	41	6.539	6.534	(1.338)	30213	5.94125	6
67	Chloroacetonitrile	48	6.454	6.448	(1.321)	46562	58.0771	58
68	trans-1,3-Dichloropropene	75	6.700	6.700	(1.371)	111118	4.13749	4
69	1,1,2-Trichloroethane	97	6.849	6.844	(1.402)	63799	4.48349	4
* 70	Chlorobenzene-d5	117	7.727	7.727	(1.000)	1153442	25.0000	
71	Toluene	91	6.309	6.309	(0.817)	382060	4.43847	4
$ 72	Toluene-d8	98	6.266	6.266	(0.811)	1477526	21.3364	21
73	1,1-Dichloro-2-propanone	43	6.545	6.544	(0.847)	134127	12.2763	12
74	4-Methyl-2-Pentanone	43	6.678	6.678	(0.864)	65973	3.02607	3(R)
75	Tetrachloroethene	164	6.657	6.657	(0.862)	76897	5.01658	5
76	Ethyl Methacrylate	69	6.866	6.865	(0.889)	47478	2.02899	2
77	Dibromochloromethane	129	7.005	7.005	(0.907)	69064	4.39837	4
78	1,3-Dichloropropane	76	7.106	7.106	(0.920)	116938	4.09575	4
79	1,2-Dibromoethane	107	7.229	7.224	(0.936)	55575	3.81352	4
81	2-Hexanone	43	7.475	7.475	(0.967)	52573	3.43558	3
82	1-Chlorohexane	91	7.780	7.780	(1.007)	421943	4.45703	4
83	Chlorobenzene	112	7.743	7.743	(1.002)	240428	4.73001	5
84	1,1,1,2-Tetrachloroethane	131	7.812	7.812	(1.011)	82895	4.92480	5
85	Ethylbenzene	106	7.780	7.780	(1.007)	131564	4.55169	4
86	Xylene (total)mp	106	7.930	7.930	(1.026)	321175	8.70574	9
87	Xylene (total)o	106	8.358	8.363	(1.082)	149138	4.15304	4
88	Styrene	104	8.417	8.417	(1.089)	208257	3.41038	3(R)
89	Bromoform	173	8.422	8.422	(1.090)	37349	3.65541	4
* 90	1,4-Dichlorobenzene-d4	152	10.172	10.172	(1.000)	712682	25.0000	
91	Isopropylbenzene	105	8.690	8.690	(0.854)	410731	4.05086	4
92	1,1,2,2-Tetrachloroethane	83	9.203	9.203	(0.905)	65856	3.29590	3(R)
93	Bromobenzene	156	9.070	9.069	(0.892)	98699	4.27278	4
94	1,2,3-Trichloropropane	110	9.337	9.337	(0.918)	24613	3.69653	4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
95	trans-1,4-Dichloro-2-Butene	53	9.396	9.396	(0.924)	49071	8.16663	8	
96	n-Propylbenzene	91	9.123	9.123	(0.897)	507449	4.14227	4	
97	2-Chlorotoluene	91	9.273	9.273	(0.912)	309019	4.13081	4	
98	4-Chlorotoluene	91	9.455	9.455	(0.930)	323668	4.11629	4	
99	1,3,5-Trimethylbenzene	105	9.342	9.342	(0.918)	376419	4.12174	4	
100	tert-Butylbenzene	119	9.679	9.679	(0.952)	327567	4.27578	4	
101	1,2,4-Trimethylbenzene	105	9.760	9.760	(0.960)	384454	4.11673	4	
102	sec-Butylbenzene	105	9.872	9.872	(0.971)	517126	4.48814	4	
103	4-Isopropyltoluene	119	10.038	10.038	(0.987)	416870	4.20622	4	
104	1,3-Dichlorobenzene	146	10.086	10.086	(0.992)	224828	4.57138	4	
105	1,4-Dichlorobenzene	146	10.188	10.188	(1.002)	228457	4.40747	4	
106	1,2-Dichlorobenzene	146	10.648	10.648	(1.047)	210386	4.35079	4	
107	Benzyl Chloride	126	10.477	10.476	(1.030)	22870	2.24596	2	
108	n-Butylbenzene	91	10.509	10.509	(1.033)	403397	3.69906	4	
111	1,2-Dibromo-3-chloropropane	75	11.563	11.562	(1.137)	13386	2.72321	3	(R)
112	Nitrobenzene	77	12.215	12.220	(1.201)	10536	6.39314	6	
113	1,2,4-Trichlorobenzene	180	12.349	12.349	(1.214)	130835	3.59384	4	
114	Hexachlorobutadiene	225	12.338	12.338	(1.213)	85343	4.67418	5	
115	Naphthalene	128	12.734	12.734	(1.252)	177891	1.95526	2	(R)
116	1,2,3-Trichlorobenzene	180	12.948	12.943	(1.273)	104500	3.14163	3	
$ 117	Bromofluorobenzene	95	8.973	8.968	(0.882)	582203	18.5891	18	
M 118	1,2-Dichloroethene (total)	100				164667	9.41350	9	
M 119	Xylene (total)	100				470313	12.8588	13	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.



Data File: \\TARGET1_CT\FILES\chem\VOA\msw.i\W050447.b\W0452.D
Date : 14-JUN-2005 13:13
Client ID: LCSW05FNRK006
Sample Info: LCSV05FNRK006
Purge Volume: 5.0
Column phase: RTX-624

Instrument: msw.i
Operator: M.Crowe
Column diameter: 0.53

SURROGATE RECOVERIES REPORT

Job Number.: 210034 Report Date.: 07/17/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

Method.....: Semivolatile Organics Method Code...: 8270 Prep Batch....: 51060
Batch(s).....: 51645 Test Matrix...: TCLP Equipment Code: MSU

Lab ID	DT	Sample ID	Date	246TBP	2FLUBP	2FLUPH	NITRD5	PHEND5	TERD14
LCS-51060-2			07/07/2005	103	80	42	73	27	95
MB-51060-1			07/07/2005	83	69	39	65	25	97
210034- 2		WC-01	07/07/2005	85	61	38	60	25	86

Test	Test Description	Limits
246TBP	2,4,6-Tribromophenol (surr)	29 - 126
2FLUBP	2-Fluorobiphenyl (surr)	43 - 116
2FLUPH	2-Fluorophenol (surr)	21 - 97
NITRD5	Nitrobenzene-d5 (surr)	38 - 113
PHEND5	Phenol-d5 (surr)	18 - 97
TERD14	Terphenyl-d14 (surr)	10 - 119

Method.....: Semivolatile Organics Method Code...: 8270 Prep Batch....: 51281
Batch(s).....: 51646 Test Matrix...: TCLP Equipment Code: MSX

Lab ID	DT	Sample ID	Date	246TBP	2FLUBP	2FLUPH	NITRD5	PHEND5	TERD14
EB1-51281-3			07/12/2005	64	47	35	49	31	57
LCS-51281-4			07/12/2005	96	73	59	75	46	79
MB-51281-1			07/12/2005	100	77	52	84	31	107
210034- 1		WC-02	07/12/2005	98	71	60	72	47	86

Test	Test Description	Limits
246TBP	2,4,6-Tribromophenol (surr)	29 - 126
2FLUBP	2-Fluorobiphenyl (surr)	34 - 112
2FLUPH	2-Fluorophenol (surr)	21 - 97
NITRD5	Nitrobenzene-d5 (surr)	38 - 113
PHEND5	Phenol-d5 (surr)	18 - 97
TERD14	Terphenyl-d14 (surr)	10 - 119

QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/17/2005

CUSTOMER: ERM PROJECT: RABCO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	E05DSPK006	51060 -002		07/07/2005	1216

Test Method.....: 8270C Equipment Code....: MSU Analyst...: jdw
Method Description.: Semivolatile Organics Batch.....: 51645

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Pyridine, TCLP	mg/L	0.01721 J		0.04000	0.00231 U	43	%	2-67	
1,4-Dichlorobenzene, TCLP	mg/L	0.02394		0.04000	0.00046 U	60	%	21-84	
2-Methylphenol, TCLP	mg/L	0.02679		0.04000	0.00059 U	67	%	37-88	
Hexachloroethane, TCLP	mg/L	0.02280		0.04000	0.00106 U	57	%	13-85	
4-Methylphenol, TCLP	mg/L	0.04605		0.08000	0.00033 U	58	%	35-102	
Nitrobenzene, TCLP	mg/L	0.02943		0.04000	0.00079 U	74	%	42-102	
Hexachlorobutadiene, TCLP	mg/L	0.02499		0.04000	0.00084 U	62	%	17-89	
2,4,6-Trichlorophenol, TCLP	mg/L	0.03447		0.04000	0.00079 U	86	%	49-112	
2,4,5-Trichlorophenol, TCLP	mg/L	0.03425 J		0.04000	0.00078 U	86	%	50-115	
2,4-Dinitrotoluene, TCLP	mg/L	0.03861		0.04000	0.00080 U	97	%	55-130	
Hexachlorobenzene, TCLP	mg/L	0.03729		0.04000	0.00107 U	93	%	57-120	
Pentachlorophenol, TCLP	mg/L	0.03609 J		0.04000	0.00504 U	90	%	33-134	

QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/17/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	E05DSPK006	51281 -004		07/12/2005	1259

Test Method.....: 8270C Equipment Code....: MSX Analyst...: jdw
Method Description.: Semivolatile Organics Batch.....: 51646

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Pyridine, TCLP	mg/L	0.00414		0.00800	0.00462 U	52	%	10-107	
1,4-Dichlorobenzene, TCLP	mg/L	0.00459		0.00800	0.00092 U	57	%	32-104	
2-Methylphenol, TCLP	mg/L	0.00603		0.00800	0.00118 U	75	%	42-117	
Hexachloroethane, TCLP	mg/L	0.00448		0.00800	0.00212 U	56	%	28-105	
4-Methylphenol, TCLP	mg/L	0.01222		0.01600	0.00066 U	76	%	37-117	
Nitrobenzene, TCLP	mg/L	0.00620		0.00800	0.00158 U	77	%	44-120	
Hexachlorobutadiene, TCLP	mg/L	0.00545		0.00800	0.00168 U	68	%	28-110	
2,4,6-Trichlorophenol, TCLP	mg/L	0.00696		0.00800	0.00158 U	87	%	50-121	
2,4,5-Trichlorophenol, TCLP	mg/L	0.00742 J		0.00800	0.00156 U	93	%	50-126	
2,4-Dinitrotoluene, TCLP	mg/L	0.00734		0.00800	0.00160 U	92	%	55-130	
Hexachlorobenzene, TCLP	mg/L	0.00634		0.00800	0.00214 U	79	%	54-129	
Pentachlorophenol, TCLP	mg/L	0.00784 J		0.00800	0.01008 U	98	%	35-154	

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

51060-1MB

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Lab File ID: U9624 Lab Sample ID: 51060-1MB

Instrument ID: MSU Date Extracted: 07/05/05

Matrix: (soil/water) WATER Date Analyzed: 07/07/05

Level: (low/med) LOW Time Analyzed: 1148

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	51060-2LCS	51060-2LCS	U9625	07/07/05
02	WC-01	210034-2	U9629	07/07/05
03				
04				
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COMMENTS:

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

51281-1MB

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Lab File ID: X0424 Lab Sample ID: 51281-1MB

Instrument ID: MSX Date Extracted: 07/11/05

Matrix: (soil/water) WATER Date Analyzed: 07/12/05

Level: (low/med) LOW Time Analyzed: 1213

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	51281-3EB1	51281-3EB1	X0425	07/12/05
02	51281-4LCS	51281-4LCS	X0426	07/12/05
03	WC-02	210034-1	X0428	07/12/05
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COMMENTS:

FORM IV SV

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Lab File ID: US9592 DFTPP Injection Date: 07/06/05

Instrument ID: MSU DFTPP Injection Time: 1104

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	39.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	50.1
70	Less than 2.0% of mass 69	0.9 (1.8)1
127	40.0 - 60.0% of mass 198	48.5
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	7.0
275	10.0 - 30.0% of mass 198	22.5
365	1.0 - 100.0% of mass 198	2.1
441	Present, but less than mass 443	7.6
442	40.0 - 100.0% of mass 198	52.4
443	17.0 - 23.0% of mass 442	11.1 (21.2)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
01	SSTD40	SSTD40	U9594	07/06/05	1148
02	SSTD4/10	SSTD4/10	U9595	07/06/05	1221
03	SSTD10/25	SSTD10/25	U9596	07/06/05	1248
04	SSTD20/30	SSTD20/30	U9597	07/06/05	1316
05	SSTD60	SSTD60	U9598	07/06/05	1345
06	SSTD80	SSTD80	U9599	07/06/05	1413
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Lab File ID: US9623 DFTPP Injection Date: 07/07/05

Instrument ID: MSU DFTPP Injection Time: 1105

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0% of mass 198	33.4	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Less than 100.0% of mass 198	46.2	
70	Less than 2.0% of mass 69	0.8	(1.7)1
127	40.0 - 60.0% of mass 198	49.5	
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	7.1	
275	10.0 - 30.0% of mass 198	22.5	
365	1.0 - 100.0% of mass 198	2.3	
441	Present, but less than mass 443	7.4	
442	40.0 - 100.0% of mass 198	50.9	
443	17.0 - 23.0% of mass 442	9.9	(19.4)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
01	SSTD40	SSTD40	U9623	07/07/05	1105
02	51060-1MB	51060-1MB	U9624	07/07/05	1148
03	51060-2LCS	51060-2LCS	U9625	07/07/05	1216
04	WC-01	210034-2	U9629	07/07/05	1407
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Lab File ID: XS0264 DFTPP Injection Date: 07/05/05

Instrument ID: MSX DFTPP Injection Time: 1340

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	50.7
68	Less than 2.0% of mass 69	0.8 (1.5)1
69	Less than 100.0% of mass 198	53.0
70	Less than 2.0% of mass 69	0.1 (0.1)1
127	40.0 - 60.0% of mass 198	56.2
197	Less than 1.0% of mass 198	1.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	23.4
365	1.0 - 100.0% of mass 198	3.3
441	Present, but less than mass 443	14.2
442	40.0 - 100.0% of mass 198	97.7
443	17.0 - 23.0% of mass 442	17.6 (18.0)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
01	SSTD2/5	SSTD2/5	X0264	07/05/05	1340
02	SSTD0.5/1.25	SSTD0.5/1.25	X0265	07/05/05	1403
03	SSTD1/2.5	SSTD1/2.5	X0266	07/05/05	1426
04	SSTD4/10	SSTD4/10	X0267	07/05/05	1449
05	SSTD5/12.5	SSTD5/12.5	X0268	07/05/05	1512
06	SSTD10/25	SSTD10/25	X0269	07/05/05	1535
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Lab File ID: XS0422 DFTPP Injection Date: 07/12/05

Instrument ID: MSX DFTPP Injection Time: 1119

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	55.9
68	Less than 2.0% of mass 69	1.1 (1.9)1
69	Less than 100.0% of mass 198	56.6
70	Less than 2.0% of mass 69	0.5 (0.8)1
127	40.0 - 60.0% of mass 198	58.4
197	Less than 1.0% of mass 198	0.1
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	21.7
365	1.0 - 100.0% of mass 198	3.2
441	Present, but less than mass 443	12.4
442	40.0 - 100.0% of mass 198	83.3
443	17.0 - 23.0% of mass 442	15.7 (18.8)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
01	SSTD4/10	SSTD4/10	X0422	07/12/05	1119
02	51281-1MB	51281-1MB	X0424	07/12/05	1213
03	51281-3EB1	51281-3EB1	X0425	07/12/05	1237
04	51281-4LCS	51281-4LCS	X0426	07/12/05	1259
05	WC-02	210034-1	X0428	07/12/05	1343
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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Lab File ID (Standard): U9623 Date Analyzed: 07/07/05

Instrument ID: MSU Time Analyzed: 1105

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	593802	4.41	2813910	6.29	2158900	9.03
	UPPER LIMIT	1187604	4.91	5627820	6.79	4317800	9.53
	LOWER LIMIT	296901	3.91	1406955	5.79	1079450	8.53
	EPA SAMPLE NO.						
01	51060-1MB	577026	4.42	2639100	6.30	2042824	9.03
02	51060-2LCS	569689	4.41	2631822	6.30	2013562	9.03
03	WC-01	557390	4.41	2556959	6.28	2048718	9.02
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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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Lab File ID (Standard): U9623 Date Analyzed: 07/07/05

Instrument ID: MSU Time Analyzed: 1105

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	4081043	10.54	3489444	13.04	3192113	15.01
	UPPER LIMIT	8162086	11.04	6978888	13.54	6384226	15.51
	LOWER LIMIT	2040522	10.04	1744722	12.54	1596057	14.51
	EPA SAMPLE NO.						
01	51060-1MB	3934293	10.54	3577861	13.05	3026134	15.02
02	51060-2LCS	3783363	10.54	3470154	13.04	2822047	15.01
03	WC-01	4089036	10.54	3771825	13.03	3088867	15.00
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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.

FORM VIII SV-2

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Lab File ID (Standard): X0422 Date Analyzed: 07/12/05

Instrument ID: MSX Time Analyzed: 1119

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	91925		4.07		404061		5.36		224165		7.27	
	UPPER LIMIT	183850		4.57		808122		5.86		448330		7.77	
	LOWER LIMIT	45963		3.57		202031		4.86		112083		6.77	
	EPA SAMPLE NO.												
01	51281-1MB	77968		4.07		336257		5.35		180236		7.27	
02	51281-3EB1	135869		4.07		596226		5.36		314372		7.27	
03	51281-4LCS	107341		4.07		468997		5.36		253964		7.27	
04	WC-02	92182		4.07		408078		5.35		220742		7.27	
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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.: 210034 SAS No.: SDG No.: 210034

Lab File ID (Standard): X0422 Date Analyzed: 07/12/05

Instrument ID: MSX Time Analyzed: 1119

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	357631	8.93	354176	11.27	396946	12.42
	UPPER LIMIT	715262	9.43	708352	11.77	793892	12.92
	LOWER LIMIT	178816	8.43	177088	10.77	198473	11.92
	EPA SAMPLE NO.						
01	51281-1MB	285705	8.92	272444	11.27	266264	12.42
02	51281-3EB1	504810	8.93	494705	11.27	499530	12.42
03	51281-4LCS	403401	8.92	392724	11.27	406766	12.42
04	WC-02	355072	8.92	347069	11.26	331132	12.40
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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.

Method 8270/625 Standard Concentrations

Compounds	Level 1 ug/ml	Level 2 ug/ml	Level 3 ug/ml	Level 4 ug/ml	Level 5 ug/ml	Level 6 ug/ml
Pyridine	4	10	20	40	60	80
n-nitrosodimethylamine	4	10	20	40	60	80
cyclohexanone	4	10	20	40	60	80
phenol	4	10	20	40	60	80
bis(2-chloroethyl)ether	4	10	20	40	60	80
1,3-dichlorobenzene	4	10	20	40	60	80
1,4-dichlorobenzene	4	10	20	40	60	80
1,2-dichlorobenzene	4	10	20	40	60	80
benzyl alcohol	4	10	20	40	60	80
2-methylphenol	4	10	20	40	60	80
bis(2-chloroisopropyl)ether	4	10	20	40	60	80
n-nitroso-di-n-propylamine	4	10	20	40	60	80
hexachloroethane	4	10	20	40	60	80
4-methylphenol	4	10	20	40	60	80
2-chlorophenol	4	10	20	40	60	80
nitrobenzene	4	10	20	40	60	80
bis(2-chloroethoxy)methane	4	10	20	40	60	80
1,2,4-trichlorobenzene	4	10	20	40	60	80
isophorone	4	10	20	40	60	80
2,4-Dimethylphenol	4	10	20	40	60	80
Benzoic Acid	10	25	30	40	60	80
Hexachlorobutadiene	4	10	20	40	60	80
Naphthalene	4	10	20	40	60	80
2,4-Dichlorophenol	4	10	20	40	60	80
4-chloroaniline	4	10	20	40	60	80
2,4,6-Trichlorophenol	4	10	20	40	60	80
2,4,5-Trichlorophenol	10	25	30	40	60	80
2,4,5-Trichlorotoluene	4	10	20	40	60	80
Hexachlorocyclopentadiene	4	10	20	40	60	80
2-Methylnaphthalene	4	10	20	40	60	80
2-Nitroaniline	4	10	20	40	60	80
2-Chloronaphthalene	4	10	20	40	60	80
4-Chloro-3-methylphenol	4	10	20	40	60	80
2,6-Dinitrotoluene	4	10	20	40	60	80
2-Nitrophenol	4	10	20	40	60	80
3-Nitroaniline	4	10	20	40	60	80
Dimethyl phthalate	10	25	30	40	60	80
2,4-Dinitrophenol	4	10	20	40	60	80
Acenaphthylene	4	10	20	40	60	80
2,4-Dinitrotoluene	4	10	20	40	60	80
Acenaphthene	4	10	20	40	60	80
Dibenzofuran	10	25	30	40	60	80
4-nitrophenol	4	10	20	40	60	80
Fluorene	4	10	20	40	60	80
4-Nitroaniline	4	10	20	40	60	80
azobenzene = 1,2-diphenylhydrazine	4	10	20	40	60	80
4-Bromophenyl phenyl ether	4	10	20	40	60	80
Hexachlorobenzene	4	10	20	40	60	80
Diethyl phthalate	4	10	20	40	60	80
4-Chlorophenyl phenyl ether	10	25	30	40	60	80
pentachlorophenol	4	10	20	40	60	80
n-nitrosodiphenylamine--diphenylamine	10	25	30	40	60	80
4,6-Dinitro-2-methylphenol	4	10	20	40	60	80
Phenanthrene	4	10	20	40	60	80
Carbazole	4	10	20	40	60	80
Anthracene	4	10	20	40	60	80
Di-n-butyl phthalate	4	10	20	40	60	80
Fluoranthene	4	10	20	40	60	80
Benzidine	4	10	20	40	60	80
Pyrene	4	10	20	40	60	80
Butyl benzyl phthalate	4	10	20	40	60	80
Benzo(a)anthracene	4	10	20	40	60	80
Chrysene	4	10	20	40	60	80
3,3-Dichlorobenzidine	4	10	20	40	60	80
Bis(2-ethylhexyl)phthalate	4	10	20	40	60	80
Di-n-octyl phthalate	4	10	20	40	60	80
Benzo(b)fluoranthene	4	10	20	40	60	80
Benzo(k)fluoranthene	4	10	20	40	60	80
Benzo(a)pyrene	4	10	20	40	60	80
Indeno(1,2,3-cd)pyrene	4	10	20	40	60	80
Dibenzo(a,h)anthracene	4	10	20	40	60	80
Benzo(ghi)perylene	4	10	20	40	60	80
Acetophenone	4	10	20	40	60	80
benzaldehyde	4	10	20	40	60	80
caprolactam	4	10	20	40	60	80
1,1'-Biphenyl	4	10	20	40	60	80
atrazine	0.8	2	4	8	12	16
Prometon	0.8	2	4	8	12	16
Simazine						

Method 8270/625 Standard Concentrations - MSX

Compounds	Level 1 ug/ml	Level 2 ug/ml	Level 3 ug/ml	Level 4 ug/ml	Level 5 ug/ml	Level 6 ug/ml	Level 7 ug/ml
Pyridine	0.5	1	2	4	5	10	20
n-nitrosodimethylamine	0.5	1	2	4	5	10	20
cyclohexanone	0.5	1	2	4	5	10	20
phenol	0.5	1	2	4	5	10	20
bis(2-chloroethyl)ether	0.5	1	2	4	5	10	20
1,3-dichlorobenzene	0.5	1	2	4	5	10	20
1,4-dichlorobenzene	0.5	1	2	4	5	10	20
1,2-dichlorobenzene	0.5	1	2	4	5	10	20
benzyl alcohol	0.5	1	2	4	5	10	20
2-methylphenol	0.5	1	2	4	5	10	20
bis(2-chloroisopropyl)ether	0.5	1	2	4	5	10	20
n-nitroso-di-n-propylamine	0.5	1	2	4	5	10	20
hexachloroethane	0.5	1	2	4	5	10	20
4-methylphenol	0.5	1	2	4	5	10	20
2-chlorophenol	0.5	1	2	4	5	10	20
nitrobenzene	0.5	1	2	4	5	10	20
bis(2-chloroethoxy)methane	0.5	1	2	4	5	10	20
1,2,4-trichlorobenzene	0.5	1	2	4	5	10	20
isophorone	0.5	1	2	4	5	10	20
2,4-Dimethylphenol	0.5	1	2	4	5	10	20
Benzoic Acid	1	2.5	5	10	12.5	25	30
Hexachlorobutadiene	0.5	1	2	4	5	10	20
Naphthalene	0.5	1	2	4	5	10	20
2,4-Dichlorophenol	0.5	1	2	4	5	10	20
4-chloroaniline	0.5	1	2	4	5	10	20
2,4,6-Trichlorophenol	0.5	1	2	4	5	10	20
2,4,5-Trichlorophenol	1	2.5	5	10	12.5	25	30
2,4,5-Trichlorotoluene	0.5	1	2	4	5	10	20
Hexachlorocyclopentadiene	0.5	1	2	4	5	10	20
2-Methylnaphthalene	0.5	1	2	4	5	10	20
2-Nitroaniline	0.5	1	2	4	5	10	20
2-Chloronaphthalene	0.5	1	2	4	5	10	20
4-Chloro-3-methylphenol	0.5	1	2	4	5	10	20
2,6-Dinitrotoluene	0.5	1	2	4	5	10	20
2-Nitrophenol	0.5	1	2	4	5	10	20
3-Nitroaniline	0.5	1	2	4	5	10	20
Dimethyl phthalate	0.5	1	2	4	5	10	20
2,4-Dinitrophenol	1	2.5	5	10	12.5	25	30
Acenaphthylene	0.5	1	2	4	5	10	20
2,4-Dinitrotoluene	0.5	1	2	4	5	10	20
Acenaphthene	0.5	1	2	4	5	10	20
Dibenzofuran	0.5	1	2	4	5	10	20
4-nitrophenol	1	2.5	5	10	12.5	25	30
Fluorene	0.5	1	2	4	5	10	20
4-Nitroaniline	0.5	1	2	4	5	10	20
azobenzene = 1,2-diphenylhydrazine	0.5	1	2	4	5	10	20
4-Bromophenyl phenyl ether	0.5	1	2	4	5	10	20
Hexachlorobenzene	0.5	1	2	4	5	10	20
Diethyl phthalate	0.5	1	2	4	5	10	20
4-Chlorophenyl phenyl ether	0.5	1	2	4	5	10	20
pentachlorophenol	1	2.5	5	10	12.5	25	30
n-nitrosodiphenylamine=diphenylamine	0.5	1	2	4	5	10	20
4,6-Dinitro-2-methylphenol	1	2.5	5	10	12.5	25	30
Phenanthrene	0.5	1	2	4	5	10	20
Carbazole	0.5	1	2	4	5	10	20
Anthracene	0.5	1	2	4	5	10	20
Di-n-butyl phthalate	0.5	1	2	4	5	10	20
Fluoranthene	0.5	1	2	4	5	10	20
Benzidine	0.5	1	2	4	5	10	20
Pyrene	0.5	1	2	4	5	10	20
Butyl benzyl phthalate	0.5	1	2	4	5	10	20
Benzo(a)anthracene	0.5	1	2	4	5	10	20
Chrysene	0.5	1	2	4	5	10	20
3,3-Dichlorobenzidine	0.5	1	2	4	5	10	20
Bis(2-ethylhexyl)phthalate	0.5	1	2	4	5	10	20
Di-n-octyl phthalate	0.5	1	2	4	5	10	20
Benzo(b)fluoranthene	0.5	1	2	4	5	10	20
Benzo(k)fluoranthene	0.5	1	2	4	5	10	20
Benzo(a)pyrene	0.5	1	2	4	5	10	20
Indeno(1,2,3-cd)pyrene	0.5	1	2	4	5	10	20
Dibenzo(a,h)anthracene	0.5	1	2	4	5	10	20
Benzo(ghi)perylene	0.5	1	2	4	5	10	20
Acetophenone	0.5	1	2	4	5	10	20
benzaldehyde	0.5	1	2	4	5	10	20
caprolactam	0.5	1	2	4	5	10	20
1,1'-Biphenyl	0.5	1	2	4	5	10	20
atrazine	0.5	1	2	4	5	10	20
Prometon	0.1	0.2	0.4	0.8	1	2	4
Simazine	0.1	0.2	0.4	0.8	1	2	4

Surrogates:

2-Fluorophenol	0.5	1	2	4	5	10	20
Phenol-d5	0.5	1	2	4	5	10	20
Nitrobenzene-d5	0.5	1	2	4	5	10	20
2-Fluorobiphenyl	0.5	1	2	4	5	10	20
2,4,6-Tribromophenol	1	2.5	5	10	12.5	25	30
Terphenyl-d14	0.5	1	2	4	5	10	20

DETECTION LIMIT STUDY

Method.....:8270C
Analyst.....:Dawn May
Equipment ID.:HP,MSU
Analysis Date:03/11/2005(grp 1)

Date..:2005-03-16
Units.:ug/L
Batch.:45957
T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
Pyridine	Water	5.52	ug/L	7.668960	0.792200	
Raw Data: 7.24323 8.58300 7.18065						
n-Nitrosodimethylamine	Water	0.18	ug/L	10.537467	0.025843	
Raw Data: 10.5190 10.5264 10.5670						
Cyclohexanone	Water	1.64	ug/L	11.126367	0.235729	
Raw Data: 11.3125 10.8613 11.2053						
Benzaldehyde	Water	3.18	ug/L	15.314133	0.456095	
Raw Data: 15.1647 15.8262 14.9515						
Phenol	Water	4.71	ug/L	10.204577	0.676695	
Raw Data: 9.59123 10.9305 10.0920						
Aniline	Water	2.65	ug/L	9.999700	0.379795	
Raw Data: 10.3173 10.1028 9.57900						
Bis(2-chloroethyl)ether	Water	2.02	ug/L	10.178377	0.290642	
Raw Data: 9.96693 10.0584 10.5098						
2-Chlorophenol	Water	2.08	ug/L	10.289733	0.298125	
Raw Data: 10.2059 10.6208 10.0425						
1,3-Dichlorobenzene	Water	1.96	ug/L	10.161347	0.280738	
Raw Data: 9.98704 10.4852 10.0118						
1,4-Dichlorobenzene	Water	5.41	ug/L	9.999343	0.776923	
Raw Data: 9.15933 10.6921 10.1466						
Benzyl alcohol	Water	4.42	ug/L	8.987260	0.634337	
Raw Data: 8.47316 9.69615 8.79247						
1,2-Dichlorobenzene	Water	2.96	ug/L	10.290207	0.424304	
Raw Data: 9.87022 10.7187 10.2817						
2,2-oxybis (1-chloropropane)	Water	4.10	ug/L	10.335530	0.588788	
Raw Data: 9.70659 10.8736 10.4264						
2-Methylphenol	Water	4.14	ug/L	10.007423	0.594922	
Raw Data: 10.0994 10.5510 9.37187						
Acetophenone	Water	3.96	ug/L	9.676830	0.567875	
Raw Data: 9.02203 10.0344 9.97406						
Hexachloroethane	Water	2.65	ug/L	9.844897	0.379962	
Raw Data: 10.0766 10.0517 9.40639						
n-Nitroso-di-n-propylamine	Water	2.71	ug/L	10.030387	0.389282	
Raw Data: 9.96044 10.4499 9.68082						
4-Methylphenol	Water	0.97	ug/L	9.473583	0.139977	
Raw Data: 9.31199 9.55132 9.55744						
Nitrobenzene	Water	0.98	ug/L	9.884033	0.140916	
Raw Data: 9.78405 9.82285 10.0452						
Isophorone	Water	1.66	ug/L	9.127757	0.238986	
Raw Data: 9.23915 8.85341 9.29071						

DETECTION LIMIT STUDY

Method.....:8270C
Analyst.....:Dawn May
Equipment ID.:HP,MSU
Analysis Date:03/11/2005(grp 1)

Date..:2005-03-16
Units.:ug/L
Batch.:45957
T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
2-Nitrophenol	Water	1.69	ug/L	8.306857	0.242311	
Raw Data: 8.05481 8.32767 8.53809						
2,4-Dimethylphenol	Water	1.54	ug/L	8.733183	0.221806	
Raw Data: 8.60870 8.60158 8.98927						
Benzoic acid	Water	4.83	ug/L	1.578583	0.693401	
Raw Data: 1.79756 2.13606 0.80213						
Bis(2-chloroethoxy)methane	Water	0.66	ug/L	9.638693	0.094307	
Raw Data: 9.72855 9.54049 9.64704						
2,4-Dichlorophenol	Water	2.67	ug/L	8.617513	0.382747	
Raw Data: 8.18788 8.92209 8.74257						
1,2,4-Trichlorobenzene	Water	1.13	ug/L	10.145093	0.161822	
Raw Data: 10.1335 9.98938 10.3124						
Naphthalene	Water	5.99	ug/L	9.613603	0.860264	
Raw Data: 10.1576 8.62181 10.0614						
4-Chloroaniline	Water	2.19	ug/L	8.909270	0.314330	
Raw Data: 8.54635 9.08625 9.09521						
Hexachlorobutadiene	Water	1.51	ug/L	9.209593	0.216141	
Raw Data: 9.40732 9.24262 8.97884						
Caprolactam	Water	1.65	ug/L	7.514553	0.236831	
Raw Data: 7.50740 7.75488 7.28138						
4-Chloro-3-methylphenol	Water	1.60	ug/L	8.374183	0.229478	
Raw Data: 8.27676 8.20949 8.63630						
2-Methylnaphthalene	Water	1.12	ug/L	9.635863	0.161185	
Raw Data: 9.45388 9.69306 9.76065						
2,4,5-Trichlorotoluene	Water	2.87	ug/L	9.884233	0.411980	
Raw Data: 10.3210 9.50259 9.82911						
Hexachlorocyclopentadiene	Water	1.01	ug/L	5.502963	0.144383	
Raw Data: 5.39736 5.66749 5.44404						
2,4,6-Trichlorophenol	Water	1.30	ug/L	8.627850	0.185930	
Raw Data: 8.65556 8.79837 8.42962						
2,4,5-Trichlorophenol	Water	2.50	ug/L	8.310043	0.359300	
Raw Data: 7.95344 8.67198 8.30471						
1,1'-Biphenyl	Water	1.08	ug/L	9.716223	0.154395	
Raw Data: 9.88243 9.57727 9.68897						
2-Chloronaphthalene	Water	1.37	ug/L	9.816123	0.196765	
Raw Data: 10.0145 9.62101 9.81286						
2-Nitroaniline	Water	1.76	ug/L	8.434237	0.252563	
Raw Data: 8.65348 8.15807 8.49116						
Acenaphthylene	Water	1.34	ug/L	9.369043	0.192278	
Raw Data: 9.54694 9.16505 9.39514						

DETECTION LIMIT STUDY

Method.....:8270C
Analyst.....: Dawn May
Equipment ID.:HP,MSU
Analysis Date:03/11/2005(grp 1)

Date..:2005-03-16
Units.:ug/L
Batch.:45957
T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
Dimethyl phthalate	Water	1.54	ug/L	9.411630	0.220588	
Raw Data: 9.66231 9.32539 9.24719						
2,6-Dinitrotoluene	Water	3.31	ug/L	8.713817	0.474924	
Raw Data: 9.11455 8.83766 8.18924						
Acenaphthene	Water	1.86	ug/L	9.795820	0.267246	
Raw Data: 10.0698 9.53586 9.78180						
3-Nitroaniline	Water	1.00	ug/L	8.575250	0.143532	
Raw Data: 8.67273 8.41043 8.64259						
2,4-Dinitrophenol	Water	1.85	ug/L	2.521530	0.266199	
Raw Data: 2.22891 2.58634 2.74934						
Dibenzofuran	Water	1.38	ug/L	10.005893	0.198185	
Raw Data: 10.2174 9.82447 9.97581						
2,4-Dinitrotoluene	Water	0.89	ug/L	8.883143	0.127314	
Raw Data: 8.94998 8.96312 8.73633						
4-Nitrophenol	Water	2.19	ug/L	6.267100	0.313903	
Raw Data: 6.62758 6.11966 6.05406						
Fluorene	Water	1.81	ug/L	9.672630	0.259212	
Raw Data: 9.90296 9.72300 9.39193						
4-Chlorophenyl phenyl ether	Water	1.82	ug/L	9.638430	0.261468	
Raw Data: 9.93881 9.51459 9.46189						
Diethyl phthalate	Water	1.12	ug/L	9.552940	0.160514	
Raw Data: 9.65438 9.63656 9.36788						
4-Nitroaniline	Water	3.24	ug/L	9.015853	0.465898	
Raw Data: 9.34919 9.21487 8.48350						
4,6-Dinitro-2-methylphenol	Water	1.35	ug/L	6.113783	0.193983	
Raw Data: 6.33772 5.99749 6.00614						
n-Nitrosodiphenylamine	Water	3.45	ug/L	10.031390	0.494886	
Raw Data: 10.5974 9.81648 9.68029						
1,2-Diphenylhydrazine	Water	1.28	ug/L	9.977693	0.183117	
Raw Data: 10.0510 10.1128 9.76928						
4-Bromophenyl phenyl ether	Water	3.15	ug/L	9.712583	0.451925	
Raw Data: 10.2332 9.42137 9.48318						
Prometon	Water	0.64	ug/L	1.608387	0.092008	
Raw Data: 1.71200 1.53624 1.57692						
Simazine	Water	0.58	ug/L	1.790230	0.083586	
Raw Data: 1.87407 1.70690 1.78972						
Atrazine	Water	3.19	ug/L	10.201650	0.457619	
Raw Data: 10.7056 10.0873 9.81205						
Hexachlorobenzene	Water	3.63	ug/L	9.737503	0.520619	
Raw Data: 10.3378 9.46524 9.40947						

DETECTION LIMIT STUDY

Method.....:8270C
Analyst.....:Dawn May
Equipment ID.:HP,MSU
Analysis Date:03/11/2005(grp 1)

Date..:2005-03-16
Units.:ug/L
Batch.:45957
T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
Pentachlorophenol	Water	3.72	ug/L	3.474577	0.534716	
Raw Data: 3.88132 3.67350 2.86891						
Phenanthrene	Water	3.92	ug/L	10.048527	0.562999	
Raw Data: 10.6769 9.59002 9.87866						
Carbazole	Water	3.23	ug/L	9.661403	0.463577	
Raw Data: 10.1940 9.44157 9.34864						
Anthracene	Water	3.84	ug/L	10.157807	0.551228	
Raw Data: 10.7943 9.84271 9.83641						
Di-n-butyl phthalate	Water	2.80	ug/L	9.188653	0.402095	
Raw Data: 9.65055 8.99856 8.91685						
Fluoranthene	Water	3.23	ug/L	10.267790	0.464405	
Raw Data: 10.7799 10.1495 9.87397						
Benzidine	Water	1.82	ug/L	8.919403	0.261035	
Raw Data: 8.61807 9.06389 9.07625						
Pyrene	Water	1.58	ug/L	9.395360	0.226917	
Raw Data: 9.23755 9.29312 9.65541						
Butyl benzyl phthalate	Water	0.83	ug/L	8.637890	0.118977	
Raw Data: 8.64196 8.75478 8.51693						
3,3-Dimethylbenzidine	Water	1.58	ug/L	11.516000	0.227036	
Raw Data: 11.6992 11.5868 11.2620						
3,3-Dichlorobenzidine	Water	0.46	ug/L	9.159860	0.065882	
Raw Data: 9.23593 9.12251 9.12114						
Benzo(a)anthracene	Water	0.47	ug/L	9.306427	0.067116	
Raw Data: 9.38391 9.26905 9.26632						
Chrysene	Water	4.58	ug/L	9.091590	0.656979	
Raw Data: 9.53405 8.33670 9.40402						
Bis(2-ethylhexyl)phthalate	Water	1.39	ug/L	8.123927	0.200005	
Raw Data: 8.29771 8.16876 7.90531						
Di-n-octyl phthalate	Water	0.54	ug/L	7.912577	0.077410	
Raw Data: 7.99001 7.91253 7.83519						
Benzo(b)fluoranthene	Water	4.79	ug/L	8.226210	0.687929	
Raw Data: 7.44167 8.72627 8.51069						
Benzo(k)fluoranthene	Water	3.90	ug/L	9.755460	0.560139	
Raw Data: 10.2343 9.13949 9.89259						
Benzo(a)pyrene	Water	1.00	ug/L	9.103007	0.143226	
Raw Data: 9.16116 8.93985 9.20801						
Indeno(1,2,3-cd)pyrene	Water	0.89	ug/L	8.828920	0.127356	
Raw Data: 8.87425 8.68510 8.92741						
Dibenzo(a,h)anthracene	Water	2.01	ug/L	8.732010	0.288865	
Raw Data: 8.88533 8.39881 8.91189						

DETECTION LIMIT STUDY

Method.....:8270C
Analyst.....: Dawn May
Equipment ID.:HP,MSU
Analysis Date:03/11/2005(grp 1)

Date..:2005-03-16
Units.:ug/L
Batch.:45957
T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
Benzo(ghi)perylene	Water	1.36	ug/L	9.223290	0.195373	
Raw Data: 9.24618 9.01748 9.40621						

DETECTION LIMIT STUDY

Method.....:8270C
Analyst.....:Dawn May
Equipment ID.:HP,MSX
Analysis Date:06/26/2005(grp 1)

Date..:2005-06-27
Units.:ug/L
Batch.:50571
T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
Pyridine	Water	2.26	ug/L	3.739127	0.324232	
Raw Data: 3.93966 3.91266 3.36506						
n-Nitrosodimethylamine	Water	1.12	ug/L	4.034240	0.160690	
Raw Data: 4.19213 4.03970 3.87089						
Cyclohexanone	Water	1.80	ug/L	4.311040	0.258876	
Raw Data: 4.60781 4.19368 4.13163						
Benzaldehyde	Water	0.55	ug/L	2.323233	0.079169	
Raw Data: 2.23512 2.38838 2.34620						
Phenol	Water	1.19	ug/L	3.782197	0.171227	
Raw Data: 3.96366 3.75945 3.62348						
Aniline	Water	1.88	ug/L	3.701953	0.269755	
Raw Data: 3.86349 3.85183 3.39054						
Bis(2-chloroethyl)ether	Water	0.51	ug/L	4.129480	0.073434	
Raw Data: 4.18328 4.15934 4.04582						
2-Chlorophenol	Water	1.41	ug/L	3.789793	0.202682	
Raw Data: 3.92023 3.89286 3.55629						
1,3-Dichlorobenzene	Water	0.65	ug/L	4.222163	0.093168	
Raw Data: 4.20245 4.32361 4.14043						
1,4-Dichlorobenzene	Water	0.89	ug/L	4.242753	0.127775	
Raw Data: 4.30797 4.32476 4.09553						
Benzyl alcohol	Water	1.76	ug/L	3.353897	0.253244	
Raw Data: 3.49102 3.50901 3.06166						
1,2-Dichlorobenzene	Water	1.12	ug/L	4.230893	0.161360	
Raw Data: 4.27030 4.36890 4.05348						
2,2-oxybis (1-chloropropane)	Water	1.39	ug/L	4.055667	0.200269	
Raw Data: 4.12055 4.21545 3.83100						
2-Methylphenol	Water	1.11	ug/L	3.630633	0.159197	
Raw Data: 3.81320 3.52076 3.55794						
Acetophenone	Water	1.48	ug/L	3.911100	0.212841	
Raw Data: 4.10109 3.95112 3.68109						
Hexachloroethane	Water	1.77	ug/L	4.021977	0.253588	
Raw Data: 4.31392 3.89559 3.85642						
n-Nitroso-di-n-propylamine	Water	1.08	ug/L	3.659843	0.155740	
Raw Data: 3.83707 3.59765 3.54481						
4-Methylphenol	Water	0.97	ug/L	3.577463	0.138941	
Raw Data: 3.69130 3.61845 3.42264						
Nitrobenzene	Water	1.73	ug/L	3.789217	0.248551	
Raw Data: 4.06224 3.72933 3.57608						
Isophorone	Water	0.99	ug/L	3.554413	0.142796	
Raw Data: 3.65266 3.61997 3.39061						

DETECTION LIMIT STUDY

Method.....:8270C
Analyst.....:Dawn May
Equipment ID.:HP,MSX
Analysis Date:06/26/2005(grp 1)

Date..:2005-06-27
Units.:ug/L
Batch.:50571
T-Val.:6.965

COMPOUND/ELEMENT/TEST				Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
2-Nitrophenol				Water	1.16	ug/L	3.049740	0.166807	
Raw Data:	3.22370	3.03437	2.89115						
2,4-Dimethylphenol				Water	1.80	ug/L	3.409090	0.258222	
Raw Data:	3.47663	3.62683	3.12381						
Bis(2-chloroethoxy)methane				Water	1.42	ug/L	3.930967	0.203594	
Raw Data:	4.14739	3.90226	3.74325						
2,4-Dichlorophenol				Water	0.63	ug/L	3.320023	0.091022	
Raw Data:	3.41511	3.31126	3.23370						
1,2,4-Trichlorobenzene				Water	0.53	ug/L	4.057017	0.076044	
Raw Data:	4.08790	4.11276	3.97039						
Naphthalene				Water	1.15	ug/L	4.117997	0.165567	
Raw Data:	4.15182	4.26404	3.93813						
4-Chloroaniline				Water	0.90	ug/L	3.395917	0.128624	
Raw Data:	3.46834	3.47200	3.24741						
Hexachlorobutadiene				Water	0.04	ug/L	4.169290	0.006137	
Raw Data:	4.16629	4.17635	4.16523						
Caprolactam				Water	0.54	ug/L	2.744017	0.078220	
Raw Data:	2.72839	2.82887	2.67479						
4-Chloro-3-methylphenol				Water	1.26	ug/L	3.105400	0.181552	
Raw Data:	3.30843	3.04911	2.95866						
2-Methylnaphthalene				Water	1.13	ug/L	4.018263	0.162087	
Raw Data:	4.10602	4.11755	3.83122						
2,4,5-Trichlorotoluene				Water	1.34	ug/L	4.270247	0.193023	
Raw Data:	4.39258	4.37043	4.04773						
2,4,6-Trichlorophenol				Water	0.86	ug/L	3.081067	0.123354	
Raw Data:	3.19324	3.10100	2.94896						
2,4,5-Trichlorophenol				Water	3.98	ug/L	8.192003	0.571896	
Raw Data:	8.52600	8.51836	7.53165						
1,1'-Biphenyl				Water	1.29	ug/L	4.047053	0.185721	
Raw Data:	4.14540	4.16292	3.83284						
2-Chloronaphthalene				Water	1.03	ug/L	3.972790	0.148023	
Raw Data:	4.09301	4.01790	3.80746						
2-Nitroaniline				Water	2.02	ug/L	3.024920	0.289306	
Raw Data:	3.28591	3.07501	2.71384						
Acenaphthylene				Water	1.33	ug/L	3.614250	0.191089	
Raw Data:	3.75420	3.69201	3.39654						
Dimethyl phthalate				Water	1.51	ug/L	3.701993	0.217077	
Raw Data:	3.86564	3.78460	3.45574						
2,6-Dinitrotoluene				Water	2.37	ug/L	2.780063	0.339592	
Raw Data:	3.13279	2.75206	2.45534						

DETECTION LIMIT STUDY

Method.....:8270C
Analyst.....:Dawn May
Equipment ID.:HP,MSX
Analysis Date:06/26/2005(grp 1)

Date..:2005-06-27
Units.:ug/L
Batch.:50571
T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
Acenaphthene	Water	0.83	ug/L	3.997747	0.119752	
Raw Data: 4.04971 4.08274 3.86079						
3-Nitroaniline	Water	0.85	ug/L	2.701300	0.121853	
Raw Data: 2.80046 2.73817 2.56527						
2,4-Dinitrophenol	Water	2.22	ug/L	3.667283	0.318155	
Raw Data: 3.74023 3.94263 3.31899						
Dibenzofuran	Water	1.05	ug/L	4.028363	0.150399	
Raw Data: 4.12078 4.10949 3.85482						
2,4-Dinitrotoluene	Water	1.07	ug/L	2.859850	0.154240	
Raw Data: 3.03776 2.77803 2.76376						
4-Nitrophenol	Water	1.51	ug/L	7.536063	0.216829	
Raw Data: 7.77678 7.47534 7.35607						
Fluorene	Water	1.81	ug/L	3.877937	0.259431	
Raw Data: 4.03706 4.01818 3.57857						
4-Chlorophenyl phenyl ether	Water	1.26	ug/L	3.911897	0.181226	
Raw Data: 3.94595 4.07368 3.71606						
Diethyl phthalate	Water	1.20	ug/L	3.626810	0.172316	
Raw Data: 3.78548 3.65145 3.44350						
4-Nitroaniline	Water	1.27	ug/L	2.855070	0.182044	
Raw Data: 3.06429 2.76807 2.73285						
4,6-Dinitro-2-methylphenol	Water	2.21	ug/L	6.152427	0.317007	
Raw Data: 6.18519 6.45178 5.82031						
n-Nitrosodiphenylamine	Water	1.34	ug/L	3.786390	0.191903	
Raw Data: 3.89714 3.89723 3.56480						
1,2-Diphenylhydrazine	Water	1.41	ug/L	3.766943	0.202288	
Raw Data: 3.89955 3.86717 3.53411						
4-Bromophenyl phenyl ether	Water	1.71	ug/L	3.813250	0.245579	
Raw Data: 4.00297 3.90091 3.53587						
Prometon	Water	0.63	ug/L	0.538093	0.089834	
Raw Data: 0.63511 0.52138 0.45779						
Simazine	Water	0.20	ug/L	0.613157	0.028913	
Raw Data: 0.63516 0.58041 0.62390						
Atrazine	Water	1.94	ug/L	3.524357	0.278396	
Raw Data: 3.83744 3.43097 3.30466						
Hexachlorobenzene	Water	0.74	ug/L	3.878500	0.105571	
Raw Data: 3.97533 3.89422 3.76595						
Pentachlorophenol	Water	1.05	ug/L	6.735817	0.151008	
Raw Data: 6.90510 6.61497 6.68738						
Phenanthrene	Water	0.95	ug/L	4.059090	0.135894	
Raw Data: 4.11028 4.15535 3.90364						

DETECTION LIMIT STUDY

Method.....:8270C
Analyst.....:Dawn May
Equipment ID.:HP,MSX
Analysis Date:06/26/2005(grp 1)

Date..:2005-06-27
Units.:ug/L
Batch.:50571
T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
Carbazole	Water	0.76	ug/L	3.627713	0.109315	
Raw Data: 3.74321 3.61407 3.52586						
Anthracene	Water	1.17	ug/L	3.618713	0.167679	
Raw Data: 3.73465 3.69504 3.42645						
Di-n-butyl phthalate	Water	1.25	ug/L	2.926977	0.179373	
Raw Data: 3.07243 2.98195 2.72655						
Fluoranthene	Water	0.89	ug/L	3.498203	0.127567	
Raw Data: 3.57899 3.56448 3.35114						
Pyrene	Water	1.23	ug/L	3.575773	0.176149	
Raw Data: 3.70715 3.64456 3.37561						
Butyl benzyl phthalate	Water	1.10	ug/L	2.417637	0.158122	
Raw Data: 2.54896 2.46183 2.24212						
3,3-Dimethylbenzidine	Water	1.37	ug/L	2.119890	0.196813	
Raw Data: 2.19225 2.27028 1.89714						
3,3-Dichlorobenzidine	Water	1.14	ug/L	2.390607	0.163634	
Raw Data: 2.56711 2.36076 2.24395						
Benzo(a)anthracene	Water	0.95	ug/L	3.363390	0.136876	
Raw Data: 3.41072 3.47032 3.20913						
Chrysene	Water	0.96	ug/L	3.762207	0.137844	
Raw Data: 3.81350 3.86705 3.60607						
Di-n-octyl phthalate	Water	0.97	ug/L	1.582663	0.139706	
Raw Data: 1.70153 1.61768 1.42878						
Benzo(b)fluoranthene	Water	1.13	ug/L	3.353040	0.162453	
Raw Data: 3.46101 3.43190 3.16621						
Benzo(k)fluoranthene	Water	1.08	ug/L	3.431107	0.155593	
Raw Data: 3.44503 3.57927 3.26902						
Benzo(a)pyrene	Water	1.02	ug/L	3.017473	0.145947	
Raw Data: 3.12233 3.07930 2.85079						
Indeno(1,2,3-cd)pyrene	Water	1.09	ug/L	2.879773	0.156332	
Raw Data: 2.93616 3.00009 2.70307						
Dibenzo(a,h)anthracene	Water	1.18	ug/L	3.131537	0.169308	
Raw Data: 3.19011 3.26378 2.94072						
Benzo(ghi)perylene	Water	0.72	ug/L	3.339823	0.102776	
Raw Data: 3.41533 3.38136 3.22278						
~~Pyridine~~	Water	NaNQ	ug/L	0.000000	NaNQ	
Raw Data:						
Benzoic acid	Water	3.01	ug/L	3.273333	0.432474	
Raw Data: 3.77 3.07 2.98						
Hexachlorocyclopentadiene	Water	1.15	ug/L	3.190000	0.164621	
~~Raw Data: 3.29 3.28 3.00~~						

DETECTION LIMIT STUDY

Method.....:8270C
Analyst.....:Dawn May
Equipment ID.:HP,MSX
Analysis Date:06/26/2005(grp 1)

Date..:2005-06-27
Units.:ug/L
Batch.:50571
T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
Benzidine	Water	0.35	ug/L	1.683333	0.050332	
Raw Data: 1.69 1.73 1.63						

LABORATORY TEST RESULTS

Job Number: 210034 Date:07/17/2005

CUSTOMER: ERM PROJECT: RABCO PRODUCTS ATTN: Andy Coenen

Customer Sample ID: WC-02
Date Sampled.....: 06/28/2005
Time Sampled.....: 10:05
Sample Matrix.....: Soil

Laboratory Sample ID: 210034-1
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
8270C	Semivolatile Organics											
	Pyridine, TCLP	ND	U		0.005	0.040	10.00000	mg/L	51646		07/12/05 1343	jdw
	1,4-Dichlorobenzene, TCLP	ND	U		0.0009	0.020	10.00000	mg/L	51646		07/12/05 1343	jdw
	2-Methylphenol, TCLP	ND	U		0.001	0.020	10.00000	mg/L	51646		07/12/05 1343	jdw
	Hexachloroethane, TCLP	ND	U		0.002	0.020	10.00000	mg/L	51646		07/12/05 1343	jdw
	4-Methylphenol, TCLP	ND	U		0.0007	0.020	10.00000	mg/L	51646		07/12/05 1343	jdw
	Nitrobenzene, TCLP	ND	U		0.002	0.020	10.00000	mg/L	51646		07/12/05 1343	jdw
	Hexachlorobutadiene, TCLP	ND	U		0.002	0.020	10.00000	mg/L	51646		07/12/05 1343	jdw
	2,4,6-Trichlorophenol, TCLP	ND	U		0.002	0.020	10.00000	mg/L	51646		07/12/05 1343	jdw
	2,4,5-Trichlorophenol, TCLP	ND	U		0.002	0.10	10.00000	mg/L	51646		07/12/05 1343	jdw
	2,4-Dinitrotoluene, TCLP	ND	U		0.002	0.020	10.00000	mg/L	51646		07/12/05 1343	jdw
	Hexachlorobenzene, TCLP	ND	U		0.002	0.020	10.00000	mg/L	51646		07/12/05 1343	jdw
	Pentachlorophenol, TCLP	ND	U		0.010	0.10	10.00000	mg/L	51646		07/12/05 1343	jdw

* In Description = Dry Wgt.

STL-Connecticut

Semivolatile REPORT SW-846 Method 8270

Data file : \\target1_ct\files\chem\BNA\msx.i\X050419.b\X0428.D
Lab Smp Id: 210034-1 Client Smp ID: WC-02
Inj Date : 12-JUL-2005 13:43 MS Autotune Date: 15-JUN-2004 12:29
Operator : D.MAY Inst ID: msx.i
Smp Info : 210034-1
Misc Info : : ;51281;0.500;
Comment :
Method : \\target1_ct\Files\chem\BNA\msx.i\X050419.b\MSX-8270LL.m
Meth Date : 15-Jul-2005 16:15 joan Quant Type: ISTD
Cal Date : 05-JUL-2005 15:58 Cal File: X0270.D
Als bottle: 5
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: tclp.sub
Target Version: 4.10
Processing Host: CONSVOA

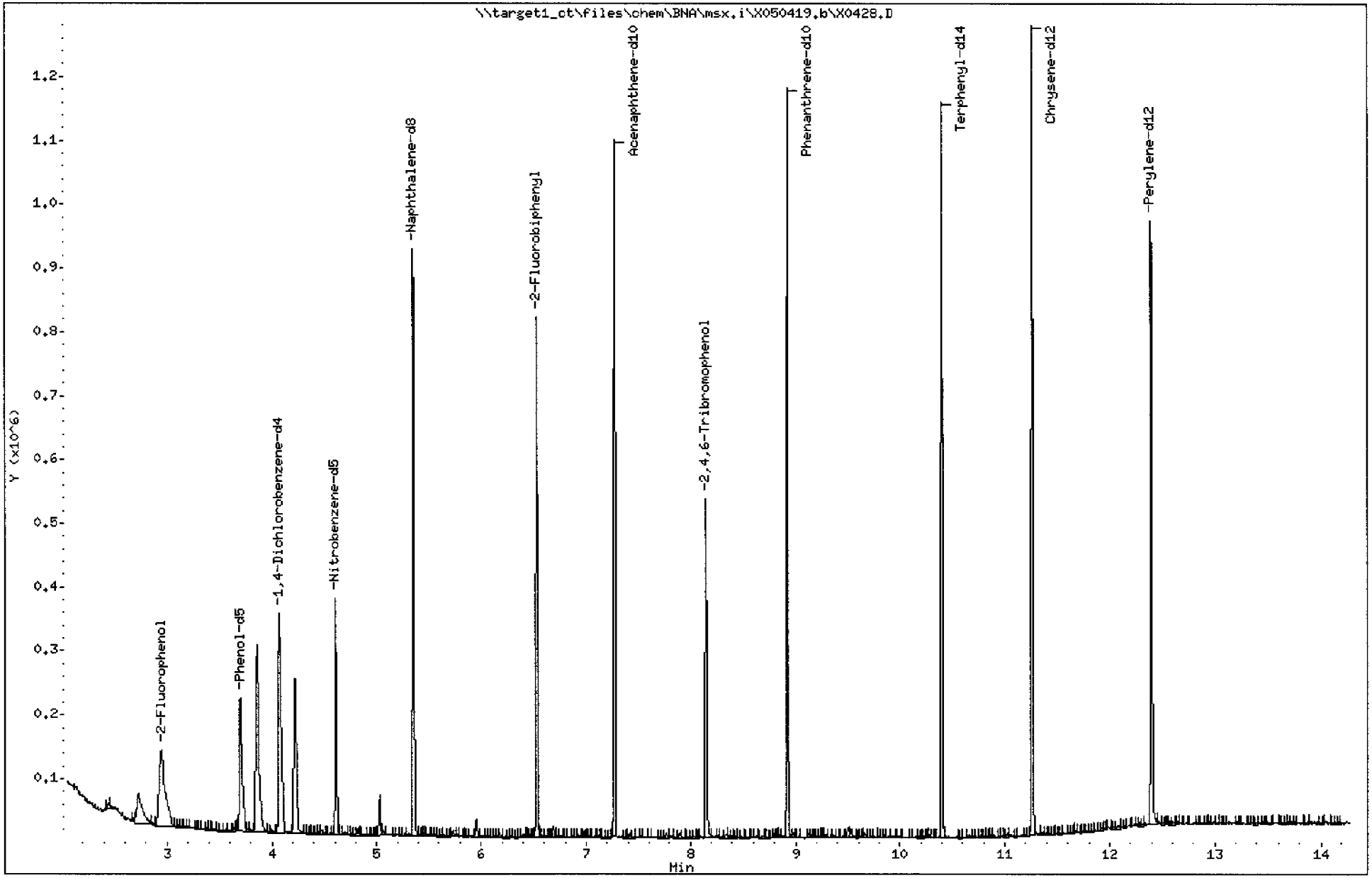
Concentration Formula: Amt * DF * Uf * Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	500.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
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	4.068	4.074	(1.000)	92182	5.00000	
$ 2	2-Fluorophenol	112	2.945	2.939	(0.724)	125308	4.52232	90
$ 3	Phenol-d5	99	3.704	3.704	(0.910)	135047	3.51627	70
* 20	Naphthalene-d8	136	5.351	5.356	(1.000)	408078	5.00000	
$ 21	Nitrobenzene-d5	82	4.609	4.609	(0.861)	123638	3.62066	72
* 35	Acenaphthene-d10	164	7.268	7.274	(1.000)	220742	5.00000	
$ 40	2-Fluorobiphenyl	172	6.533	6.533	(0.899)	223789	3.55343	71
$ 56	2,4,6-Tribromophenol	330	8.150	8.150	(1.121)	53873	7.35509	150
* 57	Phenanthrene-d10	188	8.921	8.927	(1.000)	355072	5.00000	
* 70	Chrysene-d12	240	11.262	11.268	(1.000)	347069	5.00000	
$ 73	Terphenyl-d14	244	10.403	10.403	(0.924)	288546	4.29670	86
* 79	Perylene-d12	264	12.403	12.415	(1.000)	331132	5.00000	

Data File: \\target1_ct\files\chem\BNA\msx.i\X050419.b\X0428.D
Date : 12-JUL-2005 13:43
Client ID: WC-02
Sample Info: 210034-1
Volume Injected (uL): 1.0
Column phase: ZEBRON-5MS

Instrument: msx.i
Operator: D.MAY
Column diameter: 0.50



STL-Connecticut

LABORATORY TEST RESULTS

Job Number: 210034 Date:07/17/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

Customer Sample ID: WC-01
Date Sampled.....: 06/28/2005
Time Sampled.....: 10:40
Sample Matrix.....: Water

Laboratory Sample ID: 210034-2
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
8270C	Semivolatile Organics											
	Pyridine, TCLP	ND	U		0.003	0.022	1.00000	mg/L	51645		07/07/05 1407	jdw
	1,4-Dichlorobenzene, TCLP	ND	U		0.0005	0.011	1.00000	mg/L	51645		07/07/05 1407	jdw
	2-Methylphenol, TCLP	ND	U		0.0007	0.011	1.00000	mg/L	51645		07/07/05 1407	jdw
	Hexachloroethane, TCLP	ND	U		0.001	0.011	1.00000	mg/L	51645		07/07/05 1407	jdw
	4-Methylphenol, TCLP	ND	U		0.0004	0.011	1.00000	mg/L	51645		07/07/05 1407	jdw
	Nitrobenzene, TCLP	ND	U		0.0009	0.011	1.00000	mg/L	51645		07/07/05 1407	jdw
	Hexachlorobutadiene, TCLP	ND	U		0.0009	0.011	1.00000	mg/L	51645		07/07/05 1407	jdw
	2,4,6-Trichlorophenol, TCLP	ND	U		0.0009	0.011	1.00000	mg/L	51645		07/07/05 1407	jdw
	2,4,5-Trichlorophenol, TCLP	ND	U		0.0009	0.056	1.00000	mg/L	51645		07/07/05 1407	jdw
	2,4-Dinitrotoluene, TCLP	ND	U		0.0009	0.011	1.00000	mg/L	51645		07/07/05 1407	jdw
	Hexachlorobenzene, TCLP	ND	U		0.001	0.011	1.00000	mg/L	51645		07/07/05 1407	jdw
	Pentachlorophenol, TCLP	ND	U		0.006	0.056	1.00000	mg/L	51645		07/07/05 1407	jdw

* In Description = Dry Wgt.

STL-Connecticut

Semivolatile REPORT SW-846 Method 8270

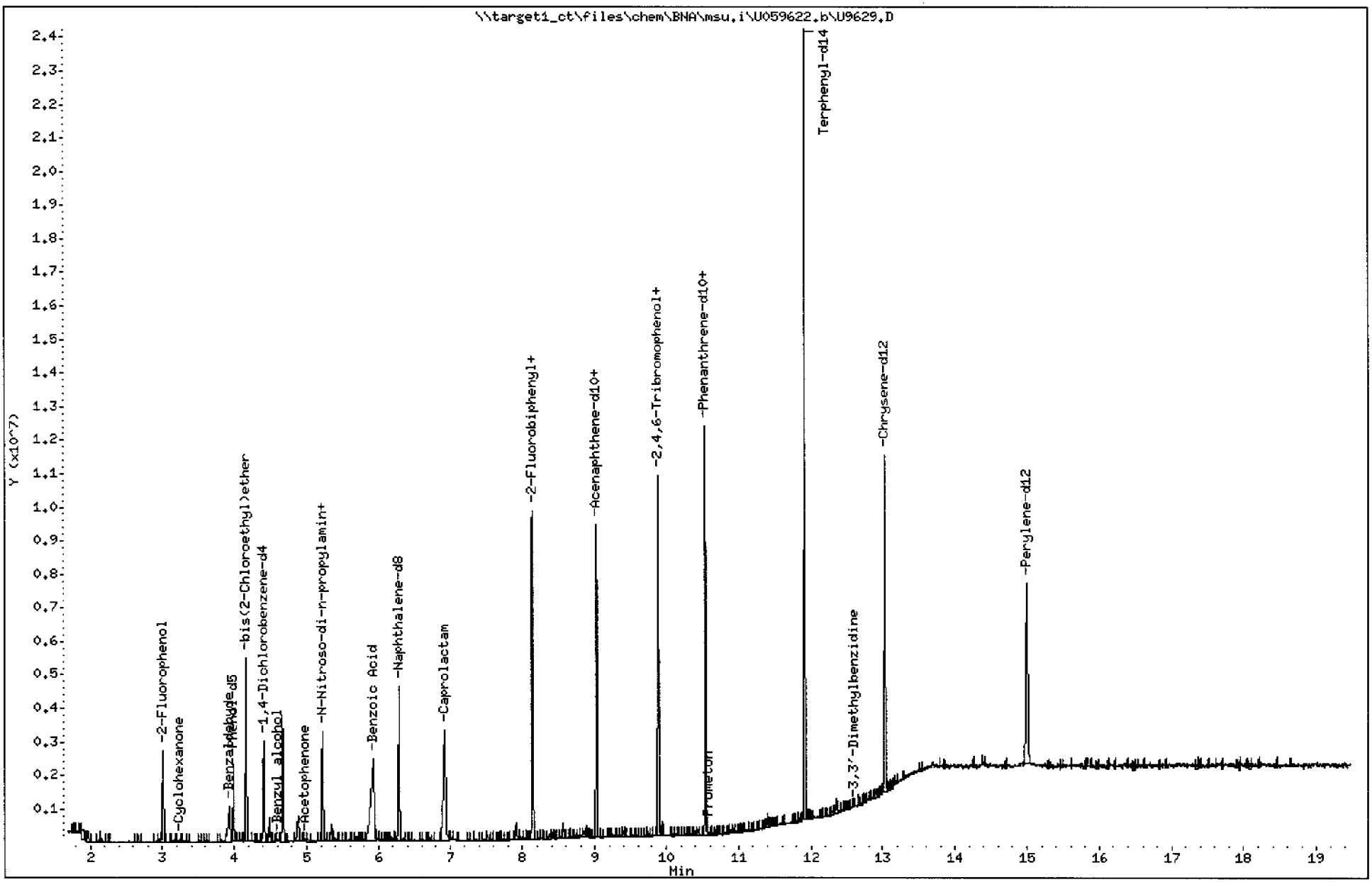
Data file : \\target1_ct\files\chem\BNA\msu.i\U059622.b\U9629.D
Lab Smp Id: 210034-2 Client Smp ID: WC-01
Inj Date : 07-JUL-2005 14:07 MS Autotune Date: 04-FEB-2005 14:15
Operator : k.wilczak Inst ID: msu.i
Smp Info : 210034-2
Misc Info : : ;51060;0.500;
Comment :
Method : \\Target1_ct\Files\chem\BNA\msu.i\U059622.b\Msu8270.m
Meth Date : 15-Jul-2005 13:18 joan Quant Type: ISTD
Cal Date : 06-JUL-2005 14:13 Cal File: U9599.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: tclp.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	900.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
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	4.409	4.414	(1.000)	557390	20.0000	
$ 2	2-Fluorophenol	112	3.009	3.009	(0.683)	889975	28.3104	31
$ 3	Phenol-d5	99	3.992	3.998	(0.905)	850875	18.9506	21
* 20	Naphthalene-d8	136	6.284	6.290	(1.000)	2556959	20.0000	
$ 21	Nitrobenzene-d5	82	5.221	5.232	(0.831)	1289896	30.0567	33
* 35	Acenaphthene-d10	164	9.019	9.025	(1.000)	2048718	20.0000	
$ 40	2-Fluorobiphenyl	172	8.138	8.143	(0.902)	3780499	30.4894	34
$ 56	2,4,6-Tribromophenol	330	9.890	9.896	(1.097)	945926	64.0765	71
* 57	Phenanthrene-d10	188	10.537	10.542	(1.000)	4089036	20.0000	
* 70	Chrysene-d12	240	13.031	13.042	(1.000)	3771825	20.0000	
$ 73	Terphenyl-d14	244	11.909	11.920	(0.914)	7232399	42.9066	48
* 79	Perylene-d12	264	14.997	15.013	(1.000)	3088867	20.0000	

Data File: \\target1_ct\files\chem\BNA\msu.i\U059622.b\U9629.D
Date : 07-JUL-2005 14:07
Client ID: WC-01
Instrument: msu.i
Sample Info: 210034-2
Volume Injected (uL): 1.0
Operator: k.wilczak
Column phase: RTX-5
Column diameter: 0.25



6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSU Calibration Date(s): 07/06/05 07/06/05

Calibration Time(s): 1148 1413

LAB FILE ID: RRF4 =U9595 RRF10 =U9596
RRF20 =U9597 RRF40 =U9594 RRF60 =U9598

COMPOUND	RRF4	RRF10	RRF20	RRF40	RRF60	$\overline{RRF}$	% RSD
Pyridine	0.268	0.452	0.519	0.547	0.586		
N-Nitrosodimethylamine	0.425	0.384	0.403	0.404	0.380		
Cyclohexanone	0.471	0.452	0.490	0.468	0.439		
Phenol	1.690	1.413	1.725	1.723	1.635		
Aniline	2.256	1.897	2.098	2.118	1.910		
bis(2-Chloroethyl)ether	0.829	0.771	0.837	0.817	0.735		
2-Chlorophenol	1.336	1.276	1.428	1.376	1.370		
1,3-Dichlorobenzene	1.675	1.462	1.646	1.607	1.570		
1,4-Dichlorobenzene	1.745	1.505	1.672	1.662	1.612		
Benzyl alcohol	0.815	0.736	0.791	0.845	0.809		
1,2-Dichlorobenzene	1.591	1.415	1.493	1.485	1.500		
2,2'-oxybis(1-Chloropropane)	1.333	1.184	1.293	1.228	1.226		
2-Methylphenol	1.246	1.194	1.228	1.296	1.236		
Hexachloroethane	0.689	0.639	0.689	0.715	0.671		
N-Nitroso-di-n-propylamine *	0.975	0.867	0.982	0.959	0.894		*
4-Methylphenol	1.357	1.292	1.391	1.400	1.348		
Nitrobenzene	0.323	0.316	0.327	0.310	0.316		
Isophorone	0.571	0.560	0.570	0.594	0.589		
2-Nitrophenol	0.156	0.159	0.173	0.182	0.176		
2,4-Dimethylphenol	0.262	0.268	0.282	0.273	0.284		
Benzoic Acid	0.098	0.132	0.147	0.180	0.173		
Bis(2-Chloroethoxy)methane	0.391	0.371	0.387	0.375	0.371		
2,4-Dichlorophenol	0.278	0.273	0.283	0.296	0.277		
1,2,4-Trichlorobenzene	0.328	0.323	0.349	0.331	0.335		
Naphthalene	0.992	0.947	1.039	0.984	1.024		
4-Chloroaniline	0.429	0.410	0.431	0.410	0.405		
Hexachlorobutadiene	0.202	0.195	0.203	0.202	0.189		
4-Chloro-3-methylphenol	0.314	0.300	0.307	0.319	0.319		
2-Methylnaphthalene	0.782	0.729	0.753	0.716	0.724		
2,4,5-Trichlorotoluene	1.381	1.354	1.427	1.394	1.376		
Hexachlorocyclopentadiene *	0.237	0.278	0.290	0.340	0.312		*
2,4,6-Trichlorophenol	0.310	0.311	0.332	0.355	0.332		
2,4,5-Trichlorophenol	0.350	0.358	0.365	0.364	0.352		
2-Chloronaphthalene	1.073	1.064	1.075	1.142	1.062		
2-Nitroaniline	0.292	0.279	0.309	0.314	0.294		
Acenaphthylene	1.826	1.830	1.779	1.892	1.682		
Dimethylphthalate	1.246	1.156	1.191	1.245	1.203		

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM VI SV-1

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSU Calibration Date(s): 07/06/05 07/06/05

Calibration Time(s): 1148 1413

LAB FILE ID: RRF4 =U9595 RRF10 =U9596
RRF20 =U9597 RRF40 =U9594 RRF60 =U9598

COMPOUND		RRF4	RRF10	RRF20	RRF40	RRF60	$\overline{RRF}$	% RSD	
2,6-Dinitrotoluene		0.249	0.253	0.250	0.266	0.274			
Acenaphthene		1.188	1.112	1.176	1.207	1.154			
3-Nitroaniline		0.275	0.270	0.318	0.308	0.314			
2,4-Dinitrophenol	*	0.089	0.117	0.129	0.160	0.152			*
Dibenzofuran		1.820	1.712	1.753	1.779	1.566			
2,4-Dinitrotoluene		0.359	0.352	0.385	0.397	0.384			
4-Nitrophenol	*	0.169	0.166	0.175	0.183	0.181			*
Fluorene		1.487	1.419	1.450	1.501	1.388			
4-Chlorophenyl-phenylether		0.684	0.677	0.655	0.720	0.687			
Diethylphthalate		1.296	1.203	1.249	1.336	1.287			
4-Nitroaniline		0.323	0.289	0.338	0.352	0.329			
4,6-Dinitro-2-methylphenol		0.082	0.114	0.112	0.115	0.137			
N-Nitrosodiphenylamine (1)		0.524	0.610	0.545	0.532	0.599			
1,2-Diphenylhydrazine		0.764	0.896	0.797	0.854	0.804			
4-Bromophenyl-phenylether		0.203	0.202	0.201	0.217	0.220			
Hexachlorobenzene		0.197	0.208	0.183	0.203	0.209			
Pentachlorophenol		0.076	0.107	0.096	0.117	0.117			
Phenanthrene		1.178	1.278	1.162	1.042	0.871			
Carbazole		1.060	1.163	1.106	0.997	0.877			
Anthracene		1.191	1.284	1.185	1.027	0.942			
Di-n-butylphthalate		1.194	1.273	1.126	1.066	0.920			
Fluoranthene		1.234	1.278	1.233	1.087	0.968			
Benzidine		0.484	0.431	0.431	0.454	0.471			
Pyrene		1.459	1.387	1.415	1.335	1.129			
Butylbenzylphthalate		0.547	0.498	0.542	0.614	0.609			
3,3'-Dichlorobenzidine		0.375	0.330	0.398	0.423	0.407			
Benzo(a)anthracene		1.338	1.264	1.314	1.310	1.193			
Chrysene		1.297	1.180	1.236	1.293	1.133			
Bis(2-Ethylhexyl)phthalate		0.775	0.680	0.707	0.860	0.838			
Di-n-octylphthalate		1.432	1.322	1.413	1.534	1.308			
Benzo(b)fluoranthene		1.269	1.262	1.257	1.250	1.136			
Benzo(k)fluoranthene		1.329	1.180	1.286	1.266	1.208			
Benzo(a)pyrene		1.058	1.033	1.067	1.115	1.094			
Indeno(1,2,3-cd)pyrene		1.129	1.110	1.126	1.461	1.426			
Dibenzo(a,h)anthracene		0.909	0.904	0.941	1.200	1.163			
Benzo(g,h,i)perylene		0.960	0.609	0.974	1.276	1.227			
3,3'-Dimethylbenzidine		0.521	0.399	0.417	0.392	0.352			

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM VI SV-2

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSU Calibration Date(s): 07/06/05 07/06/05

Calibration Time(s): 1148 1413

LAB FILE ID: RRF4 =U9595 RRF10 =U9596
RRF20 =U9597 RRF40 =U9594 RRF60 =U9598

COMPOUND	RRF4	RRF10	RRF20	RRF40	RRF60	$\overline{RRF}$	% RSD
Acetophenone	1.998	1.785	1.900	1.972	1.890		
Benzaldehyde	0.968	0.563	0.739	0.508	0.307		
Caprolactam	0.085	0.077	0.098	0.091	0.095		
1,1'-Biphenyl	1.439	1.347	1.324	1.354	1.331		
Atrazine	0.174	0.191	0.189	0.198	0.198		
Prometon	0.095	0.133	0.122	0.141	0.137		
Simazine	0.108	0.098	0.100	0.110	0.113		
2-Fluorophenol	1.158	1.050	1.136	1.185	1.115		
Phenol-d5	1.745	1.504	1.640	1.564	1.595		
Nitrobenzene-d5	0.343	0.304	0.344	0.345	0.336		
2-Fluorobiphenyl	1.226	1.184	1.204	1.291	1.110		
2,4,6-Tribromophenol	0.125	0.142	0.142	0.151	0.140		
Terphenyl-d14	0.877	0.920	0.893	0.976	0.899		

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM VI SV-3

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSU Calibration Date(s): 07/06/05 07/06/05

Calibration Time(s): 1148 1413

LAB FILE ID: RRF80 =U9599

COMPOUND	RRF80					$\overline{RRF}$	% RSD
Pyridine	0.579					0.492	24.4
N-Nitrosodimethylamine	0.379					0.396	4.6
Cyclohexanone	0.305					0.438	15.3
Phenol	1.675					1.644	7.2
Aniline	1.776					2.009	8.8
bis(2-Chloroethyl)ether	0.800					0.798	4.9
2-Chlorophenol	1.352					1.356	3.7
1,3-Dichlorobenzene	1.597					1.593	4.6
1,4-Dichlorobenzene	1.538					1.622	5.5
Benzyl alcohol	0.820					0.803	4.6
1,2-Dichlorobenzene	1.522					1.501	3.8
2,2'-oxybis(1-Chloropropane)	1.142					1.234	5.7
2-Methylphenol	1.195					1.232	3.1
Hexachloroethane	0.663					0.678	3.9
N-Nitroso-di-n-propylamine *	0.943					0.937	5.0*
4-Methylphenol	1.343					1.355	2.8
Nitrobenzene	0.316					0.318	1.9
Isophorone	0.606					0.582	3.0
2-Nitrophenol	0.186					0.172	7.2
2,4-Dimethylphenol	0.272					0.274	3.0
Benzoic Acid	0.206					0.156	24.7
Bis(2-Chloroethoxy)methane	0.382					0.380	2.2
2,4-Dichlorophenol	0.287					0.282	2.9
1,2,4-Trichlorobenzene	0.349					0.336	3.2
Naphthalene	1.009					0.999	3.3
4-Chloroaniline	0.409					0.416	2.7
Hexachlorobutadiene	0.198					0.198	2.8
4-Chloro-3-methylphenol	0.319					0.313	2.6
2-Methylnaphthalene	0.765					0.745	3.5
2,4,5-Trichlorotoluene	1.378					1.385	1.8
Hexachlorocyclopentadiene *	0.349					0.301	13.9*
2,4,6-Trichlorophenol	0.368					0.335	7.0
2,4,5-Trichlorophenol	0.389					0.363	3.9
2-Chloronaphthalene	1.163					1.096	4.0
2-Nitroaniline	0.310					0.300	4.5
Acenaphthylene	1.488					1.750	8.3
Dimethylphthalate	1.252					1.216	3.1

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSU Calibration Date(s): 07/06/05 07/06/05

Calibration Time(s): 1148 1413

LAB FILE ID: RRF80 =U9599

COMPOUND		RRF80						$\overline{RRF}$	% RSD	
2,6-Dinitrotoluene		0.305						0.266	8.0	
Acenaphthene		1.210						1.174	3.1	
3-Nitroaniline		0.342						0.304	9.1	
2,4-Dinitrophenol	*	0.193						0.140	25.8	*
Dibenzofuran		1.359						1.665	10.4	
2,4-Dinitrotoluene		0.436						0.386	7.8	
4-Nitrophenol	*	0.200						0.179	6.8	*
Fluorene		1.292						1.423	5.4	
4-Chlorophenyl-phenylether		0.764						0.698	5.5	
Diethylphthalate		1.275						1.274	3.5	
4-Nitroaniline		0.379						0.335	9.0	
4,6-Dinitro-2-methylphenol		0.151						0.118	20.0	
N-Nitrosodiphenylamine (1)		0.568						0.563	6.4	
1,2-Diphenylhydrazine		0.708						0.804	8.2	
4-Bromophenyl-phenylether		0.246						0.215	8.1	
Hexachlorobenzene		0.226						0.204	7.0	
Pentachlorophenol		0.138						0.108	19.5	
Phenanthrene		0.807						1.056	17.6	
Carbazole		0.754						0.993	15.4	
Anthracene		0.807						1.073	16.7	
Di-n-butylphthalate		0.760						1.056	17.8	
Fluoranthene		0.848						1.108	15.5	
Benzidine		0.422						0.449	5.5	
Pyrene		0.965						1.282	15.1	
Butylbenzylphthalate		0.640						0.575	9.4	
3,3'-Dichlorobenzidine		0.427						0.393	9.2	
Benzo(a)anthracene		1.067						1.248	8.2	
Chrysene		0.996						1.189	9.6	
Bis(2-Ethylhexyl)phthalate		0.806						0.778	9.2	
Di-n-octylphthalate		1.103						1.352	10.9	
Benzo(b)fluoranthene		1.175						1.225	4.5	
Benzo(k)fluoranthene		1.213						1.247	4.5	
Benzo(a)pyrene		1.127						1.082	3.3	
Indeno(1,2,3-cd)pyrene		1.670						1.320	17.6	
Dibenzo(a,h)anthracene		1.352						1.078	17.3	
Benzo(g,h,i)perylene		1.450						1.083	27.5	
3,3'-Dimethylbenzidine		0.356						0.406	15.2	

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSU Calibration Date(s): 07/06/05 07/06/05

Calibration Time(s): 1148 1413

LAB FILE ID: RRF80 =U9599

COMPOUND	RRF80					$\overline{RRF}$	% RSD
Acetophenone	1.888					1.906	3.9
Benzaldehyde	0.399					0.581	41.4
Caprolactam	0.103					0.092	10.2
1,1'-Biphenyl	1.378					1.362	3.1
Atrazine	0.180					0.188	5.1
Prometon	0.150					0.130	15.0
Simazine	0.139					0.111	13.3
2-Fluorophenol	1.123					1.128	4.1
Phenol-d5	1.617					1.611	5.0
Nitrobenzene-d5	0.343					0.336	4.7
2-Fluorobiphenyl	1.247					1.210	5.1
2,4,6-Tribromophenol	0.164					0.144	8.9
Terphenyl-d14	0.798					0.894	6.5

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM VI SV-6

STLCT

Semivolatile REPORT SW-846 Method 8270

Data file : \\Target1_ct\Files\chem\BNA\msu.i\U059592.b\U9594.D
Lab Smp Id: SSTD40 Client Smp ID: SSTD40
Inj Date : 06-JUL-2005 11:48 MS Autotune Date: 04-FEB-2005 14:15
Operator : k.wilczak Inst ID: msu.i
Smp Info : SSTD40
Misc Info : :S ;50913;0.500;
Comment :
Method : \\Target1_ct\Files\chem\BNA\msu.i\U059592.b\Msu8270.m
Meth Date : 06-Jul-2005 13:33 msu.i Quant Type: ISTD
Cal Date : 06-JUL-2005 12:48 Cal File: U9596.D
Als bottle: 27 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: std2.sub
Target Version: 4.14
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	InjectionVol
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	4.484	4.484	(1.000)	680232	20.0000	
$	2	2-Fluorophenol	112	3.068	3.068	(0.684)	1612043	40.0000	43
$	3	Phenol-d5	99	4.062	4.062	(0.906)	2128339	40.0000	39
	4	Pyridine	52	1.770	1.770	(0.395)	744746	40.0000	61
	5	N-Nitrosodimethylamine	42	1.754	1.754	(0.391)	549740	40.0000	40
	6	Cyclohexanone	42	3.303	3.303	(0.737)	636480	40.0000	41
	128	Benzaldehyde	77	3.971	3.971	(0.886)	691088	40.0000	27
	7	Phenol	94	4.073	4.073	(0.908)	2344711	40.0000	44
	8	Aniline	93	4.126	4.126	(0.920)	2881911	40.0000	41
	9	bis(2-Chloroethyl)ether	63	4.179	4.179	(0.932)	1111904	40.0000	41
	10	2-Chlorophenol	128	4.254	4.254	(0.949)	1872191	40.0000	42
	11	1,3-Dichlorobenzene	146	4.436	4.436	(0.989)	2186738	40.0000	41
	12	1,4-Dichlorobenzene	146	4.505	4.505	(1.005)	2260458	40.0000	41
	13	Benzyl alcohol	108	4.682	4.682	(1.044)	1150069	40.0000	44
	14	1,2-Dichlorobenzene	146	4.772	4.772	(1.064)	2020730	40.0000	40
	15	2,2'-oxybis(1-Chloropropane)	45	4.901	4.901	(1.093)	1671230	40.0000	39
	16	2-Methylphenol	108	4.847	4.847	(1.081)	1763619	40.0000	43
	92	Acetophenone	105	5.077	5.077	(1.132)	2682579	40.0000	42
	17	Hexachloroethane	117	5.210	5.210	(1.162)	973294	40.0000	43
	18	N-Nitroso-di-n-propylamine	70	5.098	5.098	(1.137)	1304799	40.0000	42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
19	4-Methylphenol	108	5.050	5.050	(1.126)	1904767	40.0000	42
* 20	Naphthalene-d8	136	6.370	6.370	(1.000)	3085238	20.0000	
$ 21	Nitrobenzene-d5	82	5.307	5.307	(0.833)	2127208	40.0000	43
22	Nitrobenzene	77	5.339	5.339	(0.838)	1910806	40.0000	39
23	Isophorone	82	5.665	5.665	(0.889)	3665816	40.0000	42
24	2-Nitrophenol	139	5.814	5.814	(0.913)	1120385	40.0000	46
25	2,4-Dimethylphenol	122	5.852	5.852	(0.919)	1682197	40.0000	41
26	Benzoic Acid	122	5.974	5.974	(0.938)	1107614	40.0000	62 (M)
27	Bis(2-Chloroethoxy)methane	93	6.006	6.006	(0.943)	2312881	40.0000	39
28	2,4-Dichlorophenol	162	6.161	6.161	(0.967)	1823768	40.0000	43
29	1,2,4-Trichlorobenzene	180	6.306	6.306	(0.990)	2044240	40.0000	41
30	Naphthalene	128	6.407	6.407	(1.006)	6070174	40.0000	41
31	4-Chloroaniline	127	6.519	6.519	(1.023)	2527262	40.0000	39
32	Hexachlorobutadiene	225	6.696	6.696	(1.051)	1247155	40.0000	41
129	Caprolactam	113	7.048	7.048	(1.107)	559333	40.0000	45
33	4-Chloro-3-methylphenol	107	7.390	7.390	(1.160)	1968593	40.0000	42
34	2-Methylnaphthalene	142	7.620	7.620	(1.196)	4420256	40.0000	38
* 35	Acenaphthene-d10	164	9.094	9.094	(1.000)	2163458	20.0000	
36	2,4,5-Trichlorotoluene	159	7.615	7.615	(1.698)	1896863	40.0000	41
37	Hexachlorocyclopentadiene	237	7.983	7.983	(0.878)	1473490	40.0000	53
38	2,4,6-Trichlorophenol	196	8.106	8.106	(0.891)	1536151	40.0000	46
39	2,4,5-Trichlorophenol	196	8.159	8.159	(0.897)	1575770	40.0000	41
$ 40	2-Fluorobiphenyl	172	8.213	8.213	(0.903)	5588121	40.0000	43
130	1,1'-Biphenyl	154	8.341	8.341	(0.917)	5860156	40.0000	39
41	2-Chloronaphthalene	162	8.357	8.357	(0.919)	4939400	40.0000	43
42	2-Nitroaniline	65	8.544	8.544	(0.939)	1359359	40.0000	44
43	Acenaphthylene	152	8.907	8.907	(0.979)	8186748	40.0000	41
44	Dimethylphthalate	163	8.806	8.806	(0.968)	5385372	40.0000	41
45	2,6-Dinitrotoluene	165	8.897	8.897	(0.978)	1153074	40.0000	42
46	Acenaphthene	153	9.126	9.126	(1.004)	5223088	40.0000	42
47	3-Nitroaniline	138	9.062	9.062	(0.996)	1334577	40.0000	45
48	2,4-Dinitrophenol	184	9.174	9.174	(1.009)	694343	40.0000	62
49	Dibenzofuran	168	9.308	9.308	(1.023)	7698025	40.0000	40
50	2,4-Dinitrotoluene	165	9.345	9.345	(1.028)	1719355	40.0000	45
51	4-Nitrophenol	109	9.244	9.244	(1.016)	790336	40.0000	44
52	Fluorene	166	9.682	9.682	(1.065)	6493203	40.0000	41
53	4-Chlorophenyl-phenylether	204	9.671	9.671	(1.063)	3114638	40.0000	42
54	Diethylphthalate	149	9.596	9.596	(1.055)	5779911	40.0000	43
55	4-Nitroaniline	138	9.741	9.741	(1.071)	1522684	40.0000	46
$ 56	2,4,6-Tribromophenol	330	9.954	9.954	(1.095)	654422	40.0000	45
* 57	Phenanthrene-d10	188	10.601	10.601	(1.000)	3997039	20.0000	
58	4,6-Dinitro-2-methylphenol	198	9.778	9.778	(0.922)	921767	40.0000	47
59	N-Nitrosodiphenylamine (1)	169	9.799	9.799	(0.924)	4252287	40.0000	37
60	1,2-Diphenylhydrazine	77	9.832	9.832	(0.927)	6824632	40.0000	41
61	4-Bromophenyl-phenylether	248	10.163	10.163	(0.959)	1738468	40.0000	43
166	Prometon	58	10.254	10.254	(0.967)	225403	8.00000	10
167	Simazine	201	10.291	10.291	(0.971)	175584	8.00000	9
131	Atrazine	200	10.328	10.328	(0.974)	1579980	40.0000	43
62	Hexachlorobenzene	284	10.318	10.318	(0.973)	1620046	40.0000	40
63	Pentachlorophenol	266	10.478	10.478	(0.988)	934053	40.0000	51
64	Phenanthrene	178	10.622	10.622	(1.002)	8328475	40.0000	34
65	Carbazole	167	10.804	10.804	(1.019)	7971433	40.0000	36
66	Anthracene	178	10.665	10.665	(1.006)	8211811	40.0000	33
67	Di-n-butylphthalate	149	11.076	11.076	(1.045)	8522093	40.0000	35

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
	68 Fluoranthene	202	11.680	11.680	(1.102)	8688970	40.0000	35
*	70 Chrysene-d12	240	13.122	13.122	(1.000)	3425767	20.0000	
	71 Benzidine	184	11.765	11.765	(0.897)	3107376	40.0000	40
	72 Pyrene	202	11.899	11.899	(0.907)	9145782	40.0000	38
$	73 Terphenyl-d14	244	11.990	11.990	(0.914)	6684523	40.0000	43
	74 Butylbenzylphthalate	149	12.449	12.449	(0.949)	4203449	40.0000	47(H)
	124 3,3'-Dimethylbenzidine	212	12.471	12.471	(0.950)	2683212	40.0000	34
	75 3,3'-Dichlorobenzidine	252	13.037	13.037	(0.993)	2901033	40.0000	48
	76 Benzo(a)anthracene	228	13.101	13.101	(0.998)	8979222	40.0000	40
	77 Chrysene	228	13.154	13.154	(1.002)	8858258	40.0000	42
	78 Bis(2-Ethylhexyl)phthalate	149	12.983	12.983	(0.989)	5891357	40.0000	47
*	79 Perylene-d12	264	15.147	15.147	(1.000)	3087226	20.0000	
	80 Di-n-octylphthalate	149	13.678	13.678	(0.903)	9474851	40.0000	45
	81 Benzo(b)fluoranthene	252	14.517	14.517	(0.958)	7717690	40.0000	40
	82 Benzo(k)fluoranthene	252	14.549	14.549	(0.960)	7815246	40.0000	40
	83 Benzo(a)pyrene	252	15.056	15.056	(0.994)	6882778	40.0000	43
	84 Indeno(1,2,3-cd)pyrene	276	17.364	17.364	(1.146)	9022593	40.0000	52
	85 Dibenzo(a,h)anthracene	278	17.359	17.359	(1.146)	7411917	40.0000	53
	86 Benzo(g,h,i)perylene	276	18.053	18.053	(1.192)	7877082	40.0000	65

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\Target1_ot\Files\chem\BNA\msu.i\U059592.b\U9594.D

Date : 06-JUL-2005 11:48

Client ID: SSTD40

Instrument: msu.i

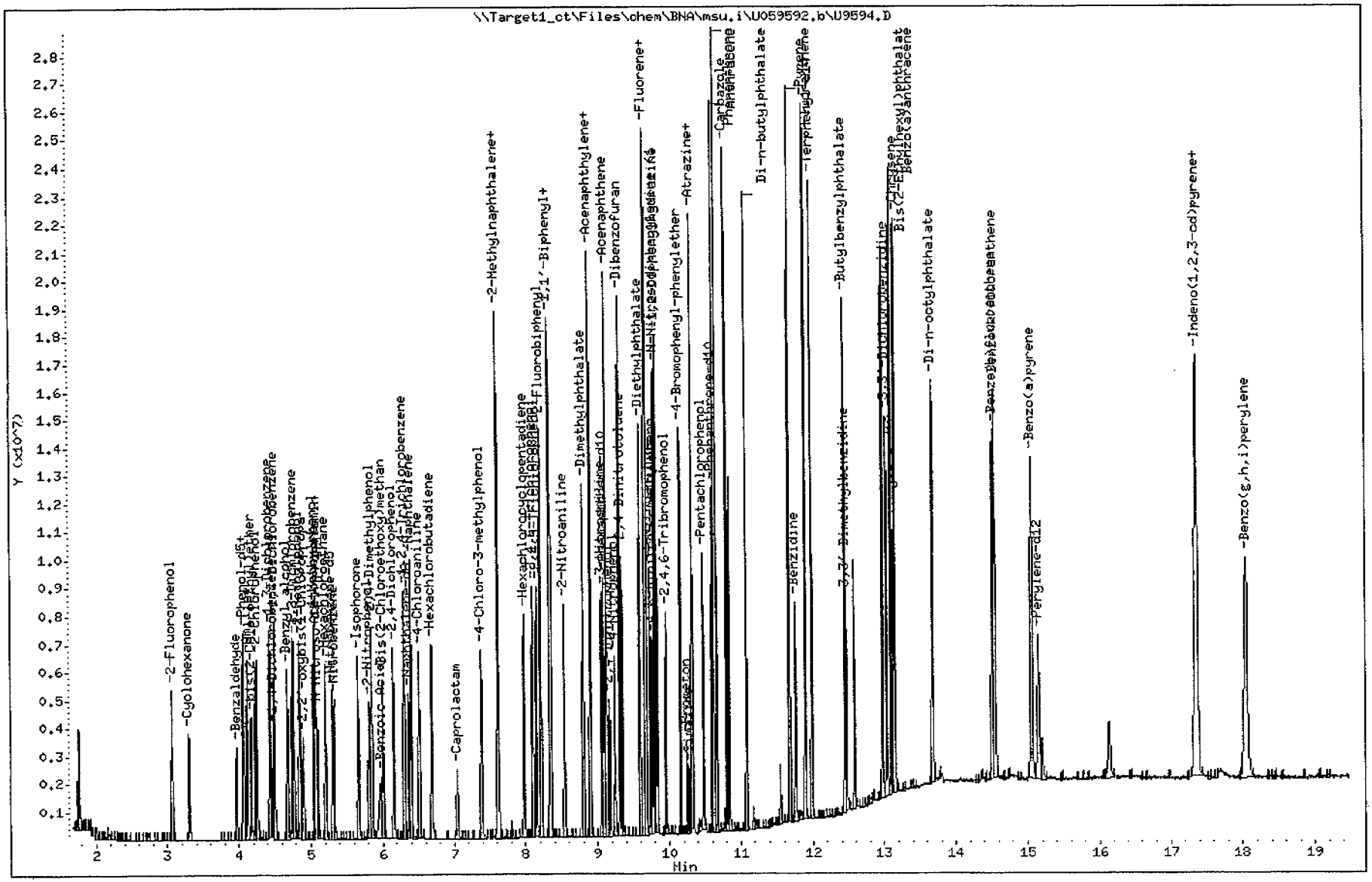
Sample Info: SSTD40

Volume Injected (uL): 1.0

Operator: k.wilczak

Column phase: RTX-5

Column diameter: 0.25



STLCT

Semivolatile REPORT SW-846 Method 8270

Data file : \\Target1_ct\Files\chem\BNA\msu.i\U059592.b\U9595.D
Lab Smp Id: SSTD4/10 Client Smp ID: SSTD4/10
Inj Date : 06-JUL-2005 12:21 MS Autotune Date: 04-FEB-2005 14:15
Operator : k.wilczak Inst ID: msu.i
Smp Info : SSTD4/10
Misc Info : :S ;50913;0.500;
Comment :
Method : \\Target1_ct\Files\chem\BNA\msu.i\U059592.b\Msu8270.m
Meth Date : 06-Jul-2005 13:33 kathrinw Quant Type: ISTD
Cal Date : 06-JUL-2005 12:21 Cal File: U9595.D
Als bottle: 28 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: std2.sub
Target Version: 4.14
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	InjectionVol
Cpnd Variable		Local Compound Variable

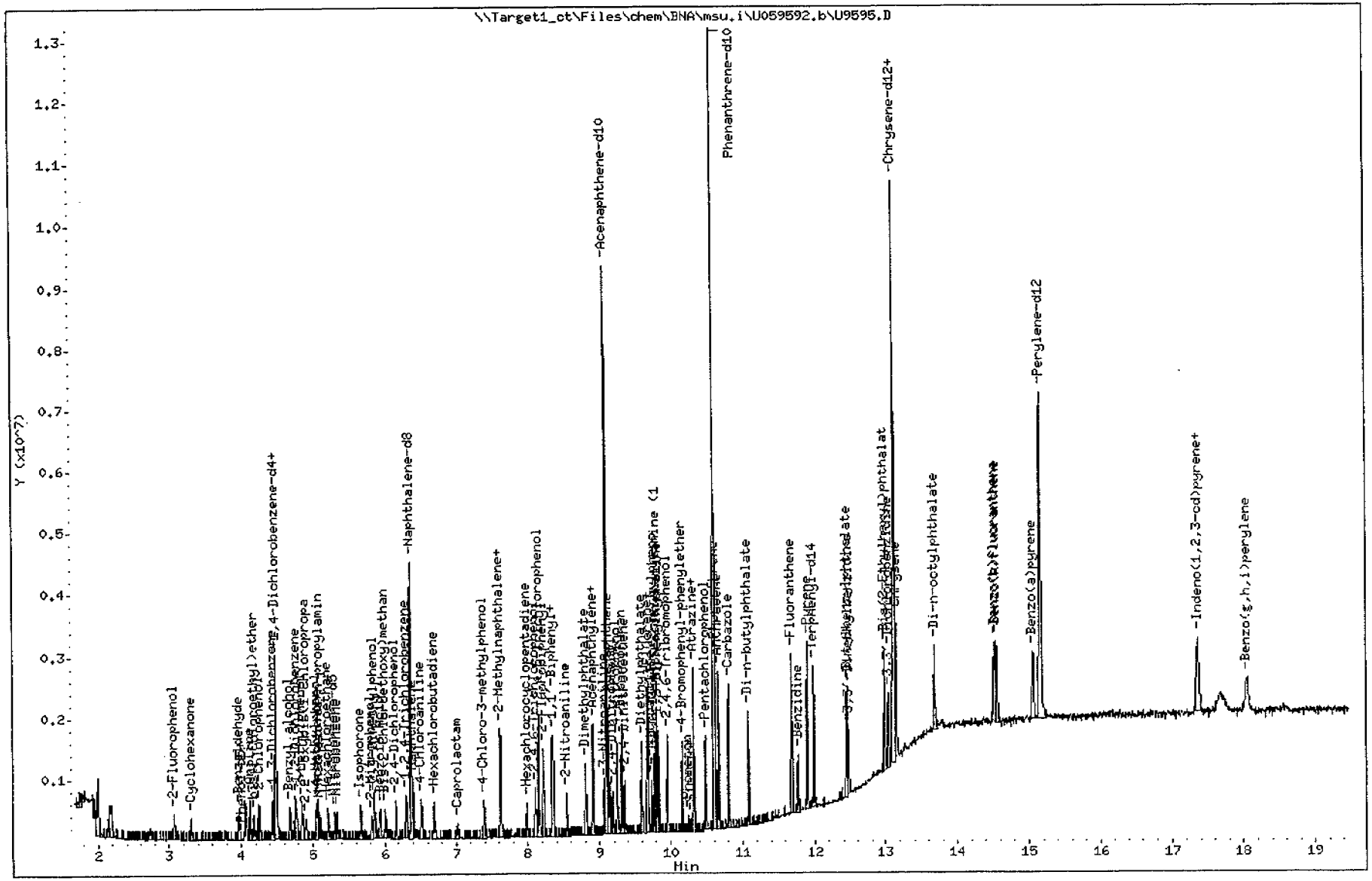
		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
*	1	1,4-Dichlorobenzene-d4	152	4.484	4.484	(1.000)	565325	20.0000	
$	2	2-Fluorophenol	112	3.068	3.068	(0.684)	130965	4.00000	4
$	3	Phenol-d5	99	4.057	4.057	(0.905)	197325	4.00000	4
	4	Pyridine	52	1.797	1.797	(0.401)	30320	4.00000	4
	5	N-Nitrosodimethylamine	42	1.749	1.749	(0.390)	48082	4.00000	4
	6	Cyclohexanone	42	3.309	3.309	(0.738)	53230	4.00000	4
	128	Benzaldehyde	77	3.971	3.971	(0.886)	109476	4.00000	4
	7	Phenol	94	4.073	4.073	(0.908)	191144	4.00000	4
	8	Aniline	93	4.126	4.126	(0.920)	255135	4.00000	4
	9	bis(2-Chloroethyl)ether	63	4.179	4.179	(0.932)	93687	4.00000	4
	10	2-Chlorophenol	128	4.254	4.254	(0.949)	151068	4.00000	4
	11	1,3-Dichlorobenzene	146	4.441	4.441	(0.990)	189403	4.00000	4
	12	1,4-Dichlorobenzene	146	4.505	4.505	(1.005)	197277	4.00000	4
	13	Benzyl alcohol	108	4.682	4.682	(1.044)	92146	4.00000	4
	14	1,2-Dichlorobenzene	146	4.772	4.772	(1.064)	179894	4.00000	4
	15	2,2'-oxybis(1-Chloropropane)	45	4.901	4.901	(1.093)	150703	4.00000	4
	16	2-Methylphenol	108	4.847	4.847	(1.081)	140837	4.00000	4
	92	Acetophenone	105	5.077	5.077	(1.132)	225948	4.00000	4
	17	Hexachloroethane	117	5.216	5.216	(1.163)	77929	4.00000	4
	18	N-Nitroso-di-n-propylamine	70	5.098	5.098	(1.137)	110222	4.00000	4

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
	19	4-Methylphenol	108	5.050	5.050	(1.126)	153482	4.00000	4
*	20	Naphthalene-d8	136	6.375	6.375	(1.000)	2591844	20.0000	
$	21	Nitrobenzene-d5	82	5.307	5.307	(0.832)	177644	4.00000	4
	22	Nitrobenzene	77	5.339	5.339	(0.837)	167480	4.00000	4
	23	Isophorone	82	5.670	5.670	(0.889)	296123	4.00000	4
	24	2-Nitrophenol	139	5.820	5.820	(0.913)	80610	4.00000	4
	25	2,4-Dimethylphenol	122	5.852	5.852	(0.918)	135996	4.00000	4
	26	Benzoic Acid	122	5.937	5.937	(0.931)	126591	10.0000	10
	27	Bis(2-Chloroethoxy)methane	93	6.012	6.012	(0.943)	202477	4.00000	4
	28	2,4-Dichlorophenol	162	6.161	6.161	(0.966)	143984	4.00000	4
	29	1,2,4-Trichlorobenzene	180	6.306	6.306	(0.989)	170154	4.00000	4
	30	Naphthalene	128	6.402	6.402	(1.004)	514459	4.00000	4
	31	4-Chloroaniline	127	6.519	6.519	(1.023)	222621	4.00000	4
	32	Hexachlorobutadiene	225	6.701	6.701	(1.051)	104922	4.00000	4
	129	Caprolactam	113	7.016	7.016	(1.101)	44069	4.00000	4
	33	4-Chloro-3-methylphenol	107	7.390	7.390	(1.159)	163044	4.00000	4
	34	2-Methylnaphthalene	142	7.625	7.625	(1.196)	405435	4.00000	4
*	35	Acenaphthene-d10	164	9.094	9.094	(1.000)	1986977	20.0000	
	36	2,4,5-Trichlorotoluene	159	7.620	7.620	(1.699)	156186	4.00000	4
	38	2,4,6-Trichlorophenol	196	8.106	8.106	(0.891)	123059	4.00000	4
	39	2,4,5-Trichlorophenol	196	8.154	8.154	(0.897)	347580	10.0000	10
$	40	2-Fluorobiphenyl	172	8.218	8.218	(0.904)	487118	4.00000	4
	130	1,1'-Biphenyl	154	8.341	8.341	(0.917)	571906	4.00000	4
	41	2-Chloronaphthalene	162	8.357	8.357	(0.919)	426521	4.00000	4
	42	2-Nitroaniline	65	8.544	8.544	(0.939)	116148	4.00000	4
	43	Acenaphthylene	152	8.913	8.913	(0.980)	725608	4.00000	4
	44	Dimethylphthalate	163	8.806	8.806	(0.968)	495141	4.00000	4
	45	2,6-Dinitrotoluene	165	8.902	8.902	(0.979)	99003	4.00000	4
	46	Acenaphthene	153	9.132	9.132	(1.004)	472337	4.00000	4
	47	3-Nitroaniline	138	9.062	9.062	(0.996)	109312	4.00000	4
	48	2,4-Dinitrophenol	184	9.180	9.180	(1.009)	88779	10.0000	10
	49	Dibenzofuran	168	9.308	9.308	(1.023)	723171	4.00000	4
	50	2,4-Dinitrotoluene	165	9.351	9.351	(1.028)	142595	4.00000	4
	51	4-Nitrophenol	109	9.244	9.244	(1.016)	168365	10.0000	10
	52	Fluorene	166	9.687	9.687	(1.065)	590859	4.00000	4
	53	4-Chlorophenyl-phenylether	204	9.677	9.677	(1.064)	271783	4.00000	4
	54	Diethylphthalate	149	9.602	9.602	(1.056)	515037	4.00000	4
	55	4-Nitroaniline	138	9.741	9.741	(1.071)	128499	4.00000	4
$	56	2,4,6-Tribromophenol	330	9.960	9.960	(1.095)	124482	10.0000	10
*	57	Phenanthrene-d10	188	10.606	10.606	(1.000)	3959643	20.0000	
	58	4,6-Dinitro-2-methylphenol	198	9.778	9.778	(0.922)	162174	10.0000	10
	59	N-Nitrosodiphenylamine (1)	169	9.805	9.805	(0.924)	415277	4.00000	4
	60	1,2-Diphenylhydrazine	77	9.837	9.837	(0.927)	605294	4.00000	4
	61	4-Bromophenyl-phenylether	248	10.163	10.163	(0.958)	161063	4.00000	4
	166	Prometon	58	10.254	10.254	(0.967)	14984	0.80000	0.8
	167	Simazine	201	10.296	10.296	(0.971)	17052	0.80000	0.8
	131	Atrazine	200	10.323	10.323	(0.973)	137903	4.00000	4
	62	Hexachlorobenzene	284	10.323	10.323	(0.973)	156095	4.00000	4
	63	Pentachlorophenol	266	10.483	10.483	(0.988)	149493	10.0000	10
	64	Phenanthrene	178	10.628	10.628	(1.002)	932778	4.00000	4
	65	Carbazole	167	10.809	10.809	(1.019)	839561	4.00000	4
	66	Anthracene	178	10.670	10.670	(1.006)	943436	4.00000	4
	67	Di-n-butylphthalate	149	11.087	11.087	(1.045)	945453	4.00000	4
	68	Fluoranthene	202	11.685	11.685	(1.102)	977370	4.00000	4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	70 Chrysene-d12	240	13.128	13.128	(1.000)	3552127	20.0000	
	72 Pyrene	202	11.904	11.904	(0.907)	1036640	4.00000	4
$	73 Terphenyl-d14	244	11.995	11.995	(0.914)	622909	4.00000	4
	74 Butylbenzylphthalate	149	12.455	12.455	(0.949)	388456	4.00000	4
	124 3,3'-Dimethylbenzidine	212	12.476	12.476	(0.950)	370292	4.00000	4
	75 3,3'-Dichlorobenzidine	252	13.042	13.042	(0.993)	266461	4.00000	4
	76 Benzo(a)anthracene	228	13.106	13.106	(0.998)	950469	4.00000	4
	77 Chrysene	228	13.160	13.160	(1.002)	921524	4.00000	4
	78 Bis(2-Ethylhexyl)phthalate	149	12.989	12.989	(0.989)	550355	4.00000	4
*	79 Perylene-d12	264	15.163	15.163	(1.000)	3029386	20.0000	
	80 Di-n-octylphthalate	149	13.689	13.689	(0.903)	867965	4.00000	4
	81 Benzo(b)fluoranthene	252	14.522	14.522	(0.958)	768794	4.00000	4
	82 Benzo(k)fluoranthene	252	14.554	14.554	(0.960)	805471	4.00000	4
	83 Benzo(a)pyrene	252	15.067	15.067	(0.994)	641343	4.00000	4
	84 Indeno(1,2,3-cd)pyrene	276	17.364	17.364	(1.145)	684128	4.00000	4
	85 Dibenzo(a,h)anthracene	278	17.359	17.359	(1.145)	550887	4.00000	4
	86 Benzo(g,h,i)perylene	276	18.053	18.053	(1.191)	581422	4.00000	4

Data File: \\Target1_ct\Files\chem\BNA\msu.i\U059592.b\U9595.D
Date : 06-JUL-2005 12:21
Client ID: SSTD4/10
Sample Info: SSTD4/10
Volume Injected (uL): 1.0
Column phase: RTX-5

Instrument: msu.i
Operator: k.wilczak
Column diameter: 0.25



STLCT

Semivolatile REPORT SW-846 Method 8270

Data file : \\Target1_ct\Files\chem\BNA\msu.i\U059592.b\U9596.D
Lab Smp Id: SSTD10/25 Client Smp ID: SSTD10/25
Inj Date : 06-JUL-2005 12:48 MS Autotune Date: 04-FEB-2005 14:15
Operator : k.wilczak Inst ID: msu.i
Smp Info : SSTD10/25
Misc Info : :S ;50913;0.500;
Comment :
Method : \\Target1_ct\Files\chem\BNA\msu.i\U059592.b\Msu8270.m
Meth Date : 06-Jul-2005 13:33 kathrinw Quant Type: ISTD
Cal Date : 06-JUL-2005 12:48 Cal File: U9596.D
Als bottle: 29 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: std2.sub
Target Version: 4.14
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	InjectionVol
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	4.484	4.484	(1.000)	773630	20.0000	
S 2	2-Fluorophenol	112	3.068	3.068	(0.684)	406247	10.0000	10
S 3	Phenol-d5	99	4.057	4.057	(0.905)	581958	10.0000	9
4	Pyridine	52	1.775	1.775	(0.396)	175042	10.0000	13
5	N-Nitrosodimethylamine	42	1.754	1.754	(0.391)	148381	10.0000	9
6	Cyclohexanone	42	3.303	3.303	(0.737)	174881	10.0000	10
128	Benzaldehyde	77	3.971	3.971	(0.886)	217787	10.0000	7
7	Phenol	94	4.067	4.067	(0.907)	546561	10.0000	9
8	Aniline	93	4.121	4.121	(0.919)	733924	10.0000	9
9	bis(2-Chloroethyl)ether	63	4.174	4.174	(0.931)	298082	10.0000	10
10	2-Chlorophenol	128	4.254	4.254	(0.949)	493649	10.0000	10
11	1,3-Dichlorobenzene	146	4.436	4.436	(0.989)	565635	10.0000	9
12	1,4-Dichlorobenzene	146	4.505	4.505	(1.005)	582336	10.0000	9
13	Benzyl alcohol	108	4.682	4.682	(1.044)	284520	10.0000	9
14	1,2-Dichlorobenzene	146	4.767	4.767	(1.063)	547472	10.0000	9
15	2,2'-oxybis(1-Chloropropane)	45	4.901	4.901	(1.093)	458003	10.0000	9
16	2-Methylphenol	108	4.847	4.847	(1.081)	461761	10.0000	10
92	Acetophenone	105	5.072	5.072	(1.131)	690470	10.0000	9
17	Hexachloroethane	117	5.210	5.210	(1.162)	247229	10.0000	10
18	N-Nitroso-di-n-propylamine	70	5.098	5.098	(1.137)	335297	10.0000	9

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
	19	4-Methylphenol	108	5.050	5.050	(1.126)	499914	10.0000	10
*	20	Naphthalene-d8	136	6.370	6.370	(1.000)	3355337	20.0000	
$	21	Nitrobenzene-d5	82	5.307	5.307	(0.833)	510743	10.0000	9
	22	Nitrobenzene	77	5.333	5.333	(0.837)	530848	10.0000	10
	23	Isophorone	82	5.665	5.665	(0.889)	939707	10.0000	10
	24	2-Nitrophenol	139	5.814	5.814	(0.913)	266108	10.0000	10
	25	2,4-Dimethylphenol	122	5.852	5.852	(0.919)	449005	10.0000	10
	26	Benzoic Acid	122	5.964	5.964	(0.936)	554096	25.0000	29
	27	Bis(2-Chloroethoxy)methane	93	6.006	6.006	(0.943)	622287	10.0000	10
	28	2,4-Dichlorophenol	162	6.161	6.161	(0.967)	458131	10.0000	10
	29	1,2,4-Trichlorobenzene	180	6.306	6.306	(0.990)	542630	10.0000	10
	30	Naphthalene	128	6.407	6.407	(1.006)	1588572	10.0000	10
	31	4-Chloroaniline	127	6.514	6.514	(1.023)	688638	10.0000	10
	32	Hexachlorobutadiene	225	6.696	6.696	(1.051)	326570	10.0000	10
	129	Caprolactam	113	7.027	7.027	(1.103)	129420	10.0000	10
	33	4-Chloro-3-methylphenol	107	7.385	7.385	(1.159)	502773	10.0000	10
	34	2-Methylnaphthalene	142	7.620	7.620	(1.196)	1222785	10.0000	10
*	35	Acenaphthene-d10	164	9.089	9.089	(1.000)	2478918	20.0000	
	36	2,4,5-Trichlorotoluene	159	7.614	7.614	(1.698)	523572	10.0000	10
	37	Hexachlorocyclopentadiene	237	7.983	7.983	(0.878)	344637	10.0000	11
	38	2,4,6-Trichlorophenol	196	8.106	8.106	(0.892)	385611	10.0000	10
	39	2,4,5-Trichlorophenol	196	8.154	8.154	(0.897)	1109608	25.0000	25
$	40	2-Fluorobiphenyl	172	8.213	8.213	(0.904)	1467910	10.0000	10
	130	1,1'-Biphenyl	154	8.341	8.341	(0.918)	1669081	10.0000	10
	41	2-Chloronaphthalene	162	8.357	8.357	(0.919)	1319057	10.0000	10
	42	2-Nitroaniline	65	8.539	8.539	(0.939)	345804	10.0000	10
	43	Acenaphthylene	152	8.907	8.907	(0.980)	2268163	10.0000	10
	44	Dimethylphthalate	163	8.806	8.806	(0.969)	1433419	10.0000	10
	45	2,6-Dinitrotoluene	165	8.897	8.897	(0.979)	314001	10.0000	10
	46	Acenaphthene	153	9.126	9.126	(1.004)	1378554	10.0000	10
	47	3-Nitroaniline	138	9.057	9.057	(0.996)	334542	10.0000	10
	48	2,4-Dinitrophenol	184	9.174	9.174	(1.009)	363412	25.0000	28
	49	Dibenzofuran	168	9.308	9.308	(1.024)	2122647	10.0000	10
	50	2,4-Dinitrotoluene	165	9.345	9.345	(1.028)	436309	10.0000	10
	51	4-Nitrophenol	109	9.239	9.239	(1.016)	513131	25.0000	25
	52	Fluorene	166	9.682	9.682	(1.065)	1758804	10.0000	10
	53	4-Chlorophenyl-phenylether	204	9.671	9.671	(1.064)	839299	10.0000	10
	54	Diethylphthalate	149	9.596	9.596	(1.056)	1490595	10.0000	10
	55	4-Nitroaniline	138	9.735	9.735	(1.071)	357734	10.0000	9
$	56	2,4,6-Tribromophenol	330	9.954	9.954	(1.095)	440148	25.0000	27
*	57	Phenanthrene-d10	188	10.601	10.601	(1.000)	4194982	20.0000	
	58	4,6-Dinitro-2-methylphenol	198	9.778	9.778	(0.922)	597358	25.0000	29
	59	N-Nitrosodiphenylamine (1)	169	9.805	9.805	(0.925)	1280711	10.0000	11
	60	1,2-Diphenylhydrazine	77	9.831	9.831	(0.927)	1879423	10.0000	11
	61	4-Bromophenyl-phenylether	248	10.163	10.163	(0.959)	423798	10.0000	10
	166	Prometon	58	10.248	10.248	(0.967)	55985	2.00000	2
	167	Simazine	201	10.291	10.291	(0.971)	40912	2.00000	2
	131	Atrazine	200	10.323	10.323	(0.974)	400722	10.0000	10
	62	Hexachlorobenzene	284	10.318	10.318	(0.973)	437103	10.0000	10
	63	Pentachlorophenol	266	10.478	10.478	(0.988)	563468	25.0000	29
	64	Phenanthrene	178	10.622	10.622	(1.002)	2681555	10.0000	10
	65	Carbazole	167	10.804	10.804	(1.019)	2439874	10.0000	10
	66	Anthracene	178	10.665	10.665	(1.006)	2692834	10.0000	10
	67	Di-n-butylphthalate	149	11.082	11.082	(1.045)	2670854	10.0000	10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
	68 Fluoranthene	202	11.680	11.680	(1.102)	2680813	10.0000	10
*	70 Chrysene-d12	240	13.122	13.122	(1.000)	3789463	20.0000	
	71 Benzidine	184	11.765	11.765	(0.897)	816291	10.0000	9
	72 Pyrene	202	11.899	11.899	(0.907)	2628181	10.0000	10
$	73 Terphenyl-d14	244	11.990	11.990	(0.914)	1743806	10.0000	10
	74 Butylbenzylphthalate	149	12.449	12.449	(0.949)	944156	10.0000	10
	124 3,3'-Dimethylbenzidine	212	12.471	12.471	(0.950)	756165	10.0000	9
	75 3,3'-Dichlorobenzidine	252	13.042	13.042	(0.994)	625679	10.0000	9
	76 Benzo(a)anthracene	228	13.101	13.101	(0.998)	2394489	10.0000	10
	77 Chrysene	228	13.149	13.149	(1.002)	2235739	10.0000	10
	78 Bis(2-Ethylhexyl)phthalate	149	12.983	12.983	(0.989)	1288002	10.0000	9
*	79 Perylene-d12	264	15.152	15.152	(1.000)	2931665	20.0000	
	80 Di-n-octylphthalate	149	13.683	13.683	(0.903)	1937229	10.0000	10
	81 Benzo(b)fluoranthene	252	14.511	14.511	(0.958)	1849326	10.0000	10
	82 Benzo(k)fluoranthene	252	14.549	14.549	(0.960)	1729160	10.0000	9
	83 Benzo(a)pyrene	252	15.056	15.056	(0.994)	1514651	10.0000	10
	84 Indeno(1,2,3-cd)pyrene	276	17.348	17.348	(1.145)	1627722	10.0000	10
	85 Dibenzo(a,h)anthracene	278	17.348	17.348	(1.145)	1325821	10.0000	10
	86 Benzo(g,h,i)perylene	276	18.043	18.043	(1.191)	893220	10.0000	8

Data File: \\Target1_ct\Files\chem\BNA\msu.i\U059592.b\U9596.D
Date : 06-JUL-2005 12:48
Client ID: SSTD10/25
Sample Info: SSTD10/25
Volume Injected (uL): 1.0
Column phase: RTX-5
Instrument: msu.i
Operator: k.wilczak
Column diameter: 0.25
Page 1
Y (x10^7)
Min
\\Target1_ct\Files\chem\BNA\msu.i\U059592.b\U9596.D
-2-Fluorophenol
-Cyclohexanone
-Benzaldehyde
-2-Chlorophenol
-Benzyl alcohol
-Isophorone
-2,4-Dichlorophenol
-Naphthalene-d8
-4-Chloroaniline
-Hexachlorobutadiene
-Caprolactam
-4-Chloro-3-methylphenol
-2-Methylnaphthalene+
-Hexachlorocyclopentadiene
-2-Fluorobiphenyl
-2,4,5-Trichlorophenol
-1,1'-Biphenyl+
-2-Nitroaniline
-Dimethylphthalate
-Acenaphthylene+
-Acenaphthene-d10
-Diethylphthalate
-Fluorene+
-2,4,6-Tribromophenol
-4-Bromophenyl-phenylether
-Atrazine+
-Pentachlorophenol
-Carbazole
Phenanthrene-d10
-Di-n-butylphthalate
-Fluoranthene
-Benzidine
-Pyrene
-Terphenyl-d14
-Chrysene-d12
-Di-n-octylphthalate
-Benzo(a)pyrene
-Perylene-d12
-Indeno(1,2,3-cd)pyrene+
-Benzo(g,h,i)perylene

STLCT

Semivolatile REPORT SW-846 Method 8270

Data file : \\Target1_ct\Files\chem\BNA\msu.i\U059592.b\U9597.D
Lab Smp Id: SSTD20/30 Client Smp ID: SSTD20/30
Inj Date : 06-JUL-2005 13:16 MS Autotune Date: 04-FEB-2005 14:15
Operator : k.wilczak Inst ID: msu.i
Smp Info : SSTD20/30
Misc Info : :S ;50913;0.500;
Comment :
Method : \\Target1_ct\Files\chem\BNA\msu.i\U059592.b\Msu8270.m
Meth Date : 06-Jul-2005 14:02 kathrinw Quant Type: ISTD
Cal Date : 06-JUL-2005 13:16 Cal File: U9597.D
Als bottle: 30 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: std2.sub
Target Version: 4.14
Processing Host: CONMSU

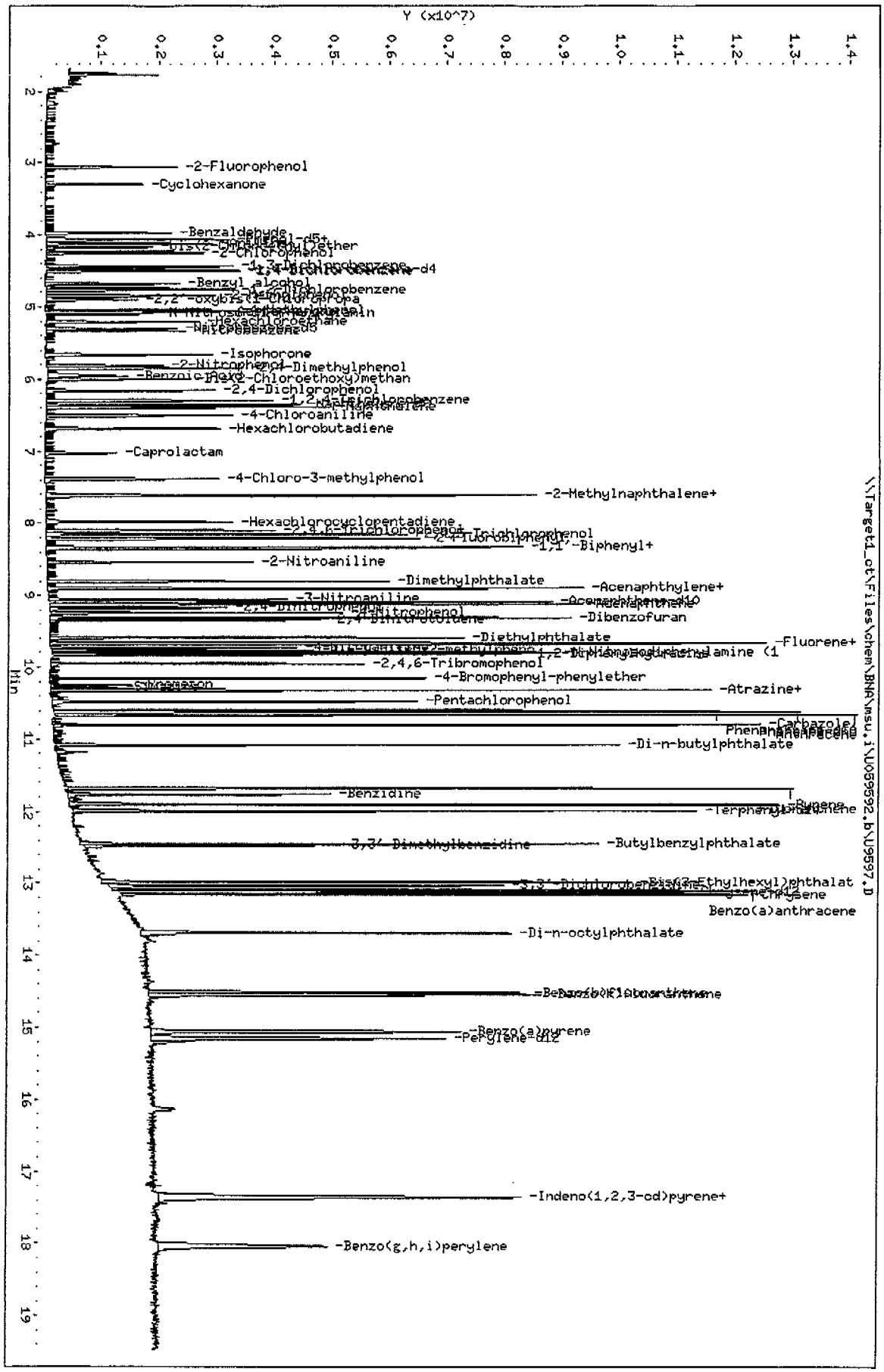
Concentration Formula: Amt * DF * Uf * Vt/(Vo*Vi) * CpndVariable

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	InjectionVol
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	4.484	4.484	(1.000)	583008	20.0000	
$ 2	2-Fluorophenol	112	3.068	3.068	(0.684)	662500	20.0000	20
$ 3	Phenol-d5	99	4.057	4.057	(0.905)	955994	20.0000	20
4	Pyridine	52	1.770	1.770	(0.395)	302371	20.0000	23
5	N-Nitrosodimethylamine	42	1.749	1.749	(0.390)	234953	20.0000	20
6	Cyclohexanone	42	3.303	3.303	(0.737)	285630	20.0000	21
128	Benzaldehyde	77	3.971	3.971	(0.886)	431010	20.0000	21
7	Phenol	94	4.073	4.073	(0.908)	1005863	20.0000	21
8	Aniline	93	4.126	4.126	(0.920)	1223430	20.0000	20
9	bis(2-Chloroethyl)ether	63	4.174	4.174	(0.931)	487784	20.0000	21
10	2-Chlorophenol	128	4.254	4.254	(0.949)	832670	20.0000	21
11	1,3-Dichlorobenzene	146	4.436	4.436	(0.989)	959813	20.0000	21
12	1,4-Dichlorobenzene	146	4.505	4.505	(1.005)	974655	20.0000	20
13	Benzyl alcohol	108	4.676	4.676	(1.043)	461098	20.0000	20
14	1,2-Dichlorobenzene	146	4.767	4.767	(1.063)	870277	20.0000	20
15	2,2'-oxybis(1-Chloropropane)	45	4.901	4.901	(1.093)	753927	20.0000	21
16	2-Methylphenol	108	4.847	4.847	(1.081)	716145	20.0000	20
92	Acetophenone	105	5.077	5.077	(1.132)	1107830	20.0000	20
17	Hexachloroethane	117	5.211	5.211	(1.162)	401528	20.0000	20
18	N-Nitroso-di-n-propylamine	70	5.098	5.098	(1.137)	572574	20.0000	21

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
	19	4-Methylphenol	108	5.050	5.050	(1.126)	811013	20.0000	20
*	20	Naphthalene-d8	136	6.375	6.375	(1.000)	2664387	20.0000	
$	21	Nitrobenzene-d5	82	5.307	5.307	(0.832)	915979	20.0000	21
	22	Nitrobenzene	77	5.333	5.333	(0.837)	870985	20.0000	20
	23	Isophorone	82	5.665	5.665	(0.889)	1517441	20.0000	20
	24	2-Nitrophenol	139	5.814	5.814	(0.912)	460033	20.0000	21
	25	2,4-Dimethylphenol	122	5.852	5.852	(0.918)	752249	20.0000	21
	26	Benzoic Acid	122	5.964	5.964	(0.935)	587483	30.0000	32
	27	Bis(2-Chloroethoxy)methane	93	6.007	6.007	(0.942)	1031541	20.0000	20
	28	2,4-Dichlorophenol	162	6.156	6.156	(0.966)	753638	20.0000	20
	29	1,2,4-Trichlorobenzene	180	6.306	6.306	(0.989)	929583	20.0000	21
	30	Naphthalene	128	6.402	6.402	(1.004)	2767606	20.0000	21
	31	4-Chloroaniline	127	6.514	6.514	(1.022)	1149402	20.0000	21
	32	Hexachlorobutadiene	225	6.696	6.696	(1.050)	540708	20.0000	20
	129	Caprolactam	113	7.032	7.032	(1.103)	261717	20.0000	22
	33	4-Chloro-3-methylphenol	107	7.385	7.385	(1.158)	817330	20.0000	20
	34	2-Methylnaphthalene	142	7.620	7.620	(1.195)	2005967	20.0000	20
*	35	Acenaphthene-d10	164	9.094	9.094	(1.000)	2041718	20.0000	
	36	2,4,5-Trichlorotoluene	159	7.615	7.615	(1.698)	832143	20.0000	21
	37	Hexachlorocyclopentadiene	237	7.983	7.983	(0.878)	591176	20.0000	20
	38	2,4,6-Trichlorophenol	196	8.106	8.106	(0.891)	677993	20.0000	20
	39	2,4,5-Trichlorophenol	196	8.154	8.154	(0.897)	1116873	30.0000	30
$	40	2-Fluorobiphenyl	172	8.218	8.218	(0.904)	2458653	20.0000	20
	130	1,1'-Biphenyl	154	8.341	8.341	(0.917)	2703501	20.0000	19
	41	2-Chloronaphthalene	162	8.357	8.357	(0.919)	2195260	20.0000	20
	42	2-Nitroaniline	65	8.544	8.544	(0.939)	631431	20.0000	21
	43	Acenaphthylene	152	8.907	8.907	(0.979)	3632181	20.0000	19
	44	Dimethylphthalate	163	8.806	8.806	(0.968)	2431952	20.0000	20
	45	2,6-Dinitrotoluene	165	8.897	8.897	(0.978)	511313	20.0000	20
	46	Acenaphthene	153	9.126	9.126	(1.004)	2400898	20.0000	20
	47	3-Nitroaniline	138	9.062	9.062	(0.996)	650288	20.0000	22
	48	2,4-Dinitrophenol	184	9.174	9.174	(1.009)	396415	30.0000	31
	49	Dibenzofuran	168	9.308	9.308	(1.023)	3579813	20.0000	20
	50	2,4-Dinitrotoluene	165	9.345	9.345	(1.028)	786847	20.0000	21
	51	4-Nitrophenol	109	9.239	9.239	(1.016)	534738	30.0000	30
	52	Fluorene	166	9.682	9.682	(1.065)	2960274	20.0000	20
	53	4-Chlorophenyl-phenylether	204	9.671	9.671	(1.063)	1338159	20.0000	19
	54	Diethylphthalate	149	9.596	9.596	(1.055)	2549847	20.0000	20
	55	4-Nitroaniline	138	9.741	9.741	(1.071)	690637	20.0000	21
$	56	2,4,6-Tribromophenol	330	9.954	9.954	(1.095)	436219	30.0000	30
*	57	Phenanthrene-d10	188	10.601	10.601	(1.000)	3988466	20.0000	
	58	4,6-Dinitro-2-methylphenol	198	9.778	9.778	(0.922)	668095	30.0000	32
	59	N-Nitrosodiphenylamine (1)	169	9.805	9.805	(0.925)	2173732	20.0000	20
	60	1,2-Diphenylhydrazine	77	9.832	9.832	(0.927)	3180468	20.0000	19
	61	4-Bromophenyl-phenylether	248	10.163	10.163	(0.959)	800231	20.0000	19
	166	Prometon	58	10.254	10.254	(0.967)	97768	4.00000	4
	167	Simazine	201	10.291	10.291	(0.971)	80216	4.00000	4
	131	Atrazine	200	10.323	10.323	(0.974)	752989	20.0000	20
	62	Hexachlorobenzene	284	10.318	10.318	(0.973)	728322	20.0000	18
	63	Pentachlorophenol	266	10.478	10.478	(0.988)	574593	30.0000	29
	64	Phenanthrene	178	10.622	10.622	(1.002)	4633489	20.0000	20
	65	Carbazole	167	10.804	10.804	(1.019)	4409890	20.0000	20
	66	Anthracene	178	10.665	10.665	(1.006)	4728030	20.0000	20
	67	Di-n-butylphthalate	149	11.082	11.082	(1.045)	4489722	20.0000	19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
68	Fluoranthene	202	11.680	11.680	(1.102)	4917215	20.0000	20
* 70	Chrysene-d12	240	13.122	13.122	(1.000)	3615365	20.0000	
71	Benzidine	184	11.765	11.765	(0.897)	1557934	20.0000	19
72	Pyrene	202	11.904	11.904	(0.907)	5114894	20.0000	20
$ 73	Terphenyl-d14	244	11.990	11.990	(0.914)	3228352	20.0000	19
74	Butylbenzylphthalate	149	12.449	12.449	(0.949)	1961373	20.0000	20
124	3,3'-Dimethylbenzidine	212	12.471	12.471	(0.950)	1507840	20.0000	19
75	3,3'-Dichlorobenzidine	252	13.037	13.037	(0.993)	1440601	20.0000	21
76	Benzo(a)anthracene	228	13.101	13.101	(0.998)	4749770	20.0000	20
77	Chrysene	228	13.154	13.154	(1.002)	4467808	20.0000	20
78	Bis(2-Ethylhexyl)phthalate	149	12.983	12.983	(0.989)	2557502	20.0000	19
* 79	Perylene-d12	264	15.152	15.152	(1.000)	3073636	20.0000	
80	Di-n-octylphthalate	149	13.683	13.683	(0.903)	4343800	20.0000	20
81	Benzo(b)fluoranthene	252	14.517	14.517	(0.958)	3862675	20.0000	20
82	Benzo(k)fluoranthene	252	14.549	14.549	(0.960)	3954023	20.0000	20
83	Benzo(a)pyrene	252	15.056	15.056	(0.994)	3280423	20.0000	20
84	Indeno(1,2,3-cd)pyrene	276	17.359	17.359	(1.146)	3461756	20.0000	19
85	Dibenzo(a,h)anthracene	278	17.353	17.353	(1.145)	2892143	20.0000	19
86	Benzo(g,h,i)perylene	276	18.043	18.043	(1.191)	2993618	20.0000	20


Y (x10^7)
Min
-2-Fluorophenol
-Cyclohexanone
-Benzaldehyde
-2-Chlorophenol
-Benzyl alcohol
-Isophorone
-2-Nitrophenol
-2,4-Dichlorophenol
-4-Chloroaniline
-Hexachlorobutadiene
-Caprolactam
-4-Chloro-3-methylphenol
-2-Methylnaphthalene+
-Hexachlorocyclopentadiene
-2-Nitroaniline
-Dimethylphthalate
-Acenaphthylene+
-3-Nitroaniline
-Dibenzofuran
-Diethylphthalate
-Fluorene+
-2,4,6-Tribromophenol
-4-Bromophenyl-phenylether
-Atrazine+
-Pentachlorophenol
-Carbazole
-Di-n-butylphthalate
-Benzidine
-Butylbenzylphthalate
Benzo(a)anthracene
-Di-n-octylphthalate
-Benzo(a)pyrene
-Indeno(1,2,3-cd)pyrene+
-Benzo(g,h,i)perylene
\\Target1_ct\Files\chem\BNA\msu.i\U059592.b\U9597.D
Data File: \\Target1_ct\Files\chem\BNA\msu.i\U059592.b\U9597.D
Date : 06-JUL-2005 13:16
Client ID: SSTD20/30
Sample Info: SSTD20/30
Volume Injected (uL): 1.0
Column phase: RTX-5
Instrument: msu.i
Operator: k.wilczak
Column diameter: 0.25
Page 1

STLCT

Semivolatile REPORT SW-846 Method 8270

Data file : \\Target1_ct\Files\chem\BNA\msu.i\U059592.b\U9598.D
Lab Smp Id: SSTD60 Client Smp ID: SSTD60
Inj Date : 06-JUL-2005 13:45 MS Autotune Date: 04-FEB-2005 14:15
Operator : k.wilczak Inst ID: msu.i
Smp Info : SSTD60
Misc Info : :S ;50913;0.500;
Comment :
Method : \\Target1_ct\Files\chem\BNA\msu.i\U059592.b\Msu8270.m
Meth Date : 06-Jul-2005 14:44 kathrinw Quant Type: ISTD
Cal Date : 06-JUL-2005 13:45 Cal File: U9598.D
Als bottle: 31 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: std2.sub
Target Version: 4.14
Processing Host: CONMSU

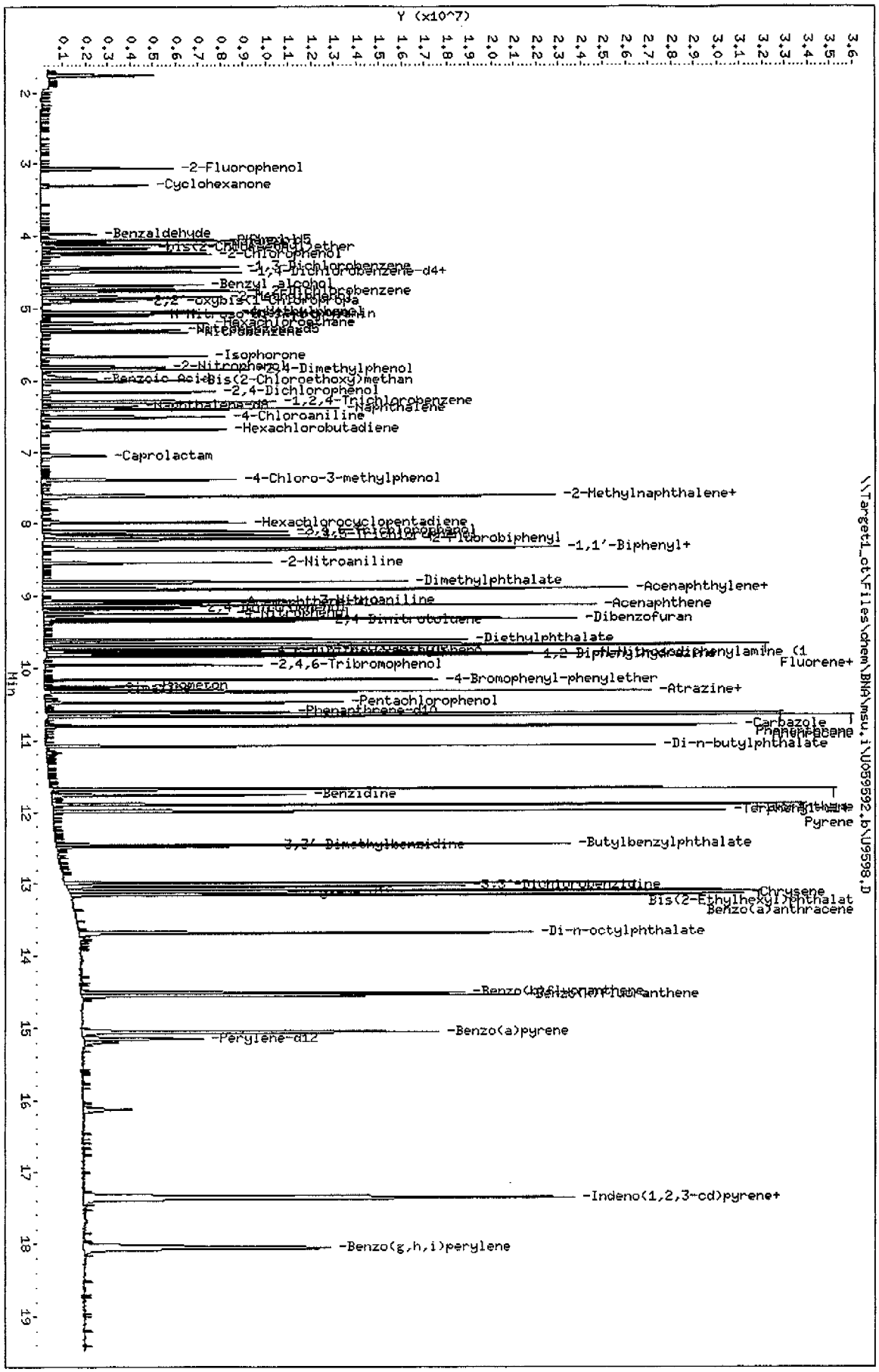
Concentration Formula: Amt * DF * Uf * Vt/(Vo*Vi) * CpndVariable

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	InjectionVol
Cpnd Variable		Local Compound Variable

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
*	1	1,4-Dichlorobenzene-d4	152	4.484	4.484	(1.000)	558452	20.0000	
S	2	2-Fluorophenol	112	3.068	3.068	(0.684)	1867661	60.0000	59
S	3	Phenol-d5	99	4.056	4.056	(0.905)	2672502	60.0000	59
	4	Pyridine	52	1.765	1.765	(0.394)	982514	60.0000	74
	5	N-Nitrosodimethylamine	42	1.749	1.749	(0.390)	636431	60.0000	57
	6	Cyclohexanone	42	3.303	3.303	(0.737)	735543	60.0000	57
	128	Benzaldehyde	77	3.971	3.971	(0.886)	514725	60.0000	30
	7	Phenol	94	4.072	4.072	(0.908)	2738981	60.0000	60
	8	Aniline	93	4.126	4.126	(0.920)	3200030	60.0000	56
	9	bis(2-Chloroethyl)ether	63	4.174	4.174	(0.931)	1230867	60.0000	55
	10	2-Chlorophenol	128	4.254	4.254	(0.949)	2294630	60.0000	61
	11	1,3-Dichlorobenzene	146	4.436	4.436	(0.989)	2630618	60.0000	59
	12	1,4-Dichlorobenzene	146	4.505	4.505	(1.005)	2700055	60.0000	59
	13	Benzyl alcohol	108	4.681	4.681	(1.044)	1355685	60.0000	61
	14	1,2-Dichlorobenzene	146	4.767	4.767	(1.063)	2512870	60.0000	60
	15	2,2'-oxybis(1-Chloropropane)	45	4.900	4.900	(1.093)	2053761	60.0000	59
	16	2-Methylphenol	108	4.847	4.847	(1.081)	2070227	60.0000	60
	92	Acetophenone	105	5.077	5.077	(1.132)	3165734	60.0000	59
	17	Hexachloroethane	117	5.210	5.210	(1.162)	1124326	60.0000	59
	18	N-Nitroso-di-n-propylamine	70	5.098	5.098	(1.137)	1497763	60.0000	57

			QUANT SIG					AMOUNTS CAL-AMT	AMOUNTS ON-COL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(NG)	(NG)
	19	4-Methylphenol	108	5.050	5.050	(1.126)	2258810	60.0000	60
*	20	Naphthalene-d8	136	6.370	6.370	(1.000)	2491093	20.0000	
$	21	Nitrobenzene-d5	82	5.306	5.306	(0.833)	2508055	60.0000	60
	22	Nitrobenzene	77	5.333	5.333	(0.837)	2362909	60.0000	60
	23	Isophorone	82	5.664	5.664	(0.889)	4402643	60.0000	61
	24	2-Nitrophenol	139	5.814	5.814	(0.913)	1312931	60.0000	62
	25	2,4-Dimethylphenol	122	5.851	5.851	(0.919)	2121321	60.0000	62
	26	Benzoic Acid	122	5.985	5.985	(0.940)	1296226	60.0000	71
	27	Bis(2-Chloroethoxy)methane	93	6.006	6.006	(0.943)	2776071	60.0000	59
	28	2,4-Dichlorophenol	162	6.156	6.156	(0.966)	2067404	60.0000	59
	29	1,2,4-Trichlorobenzene	180	6.305	6.305	(0.990)	2504899	60.0000	60
	30	Naphthalene	128	6.402	6.402	(1.005)	7650521	60.0000	62
	31	4-Chloroaniline	127	6.514	6.514	(1.023)	3030255	60.0000	58
	32	Hexachlorobutadiene	225	6.690	6.690	(1.050)	1411055	60.0000	57
	129	Caprolactam	113	7.059	7.059	(1.108)	710926	60.0000	64
	33	4-Chloro-3-methylphenol	107	7.390	7.390	(1.160)	2383768	60.0000	61
	34	2-Methylnaphthalene	142	7.620	7.620	(1.196)	5411577	60.0000	59
*	35	Acenaphthene-d10	164	9.089	9.089	(1.000)	1897807	20.0000	
	36	2,4,5-Trichlorotoluene	159	7.614	7.614	(1.698)	2304736	60.0000	60
	37	Hexachlorocyclopentadiene	237	7.983	7.983	(0.878)	1779102	60.0000	64
	38	2,4,6-Trichlorophenol	196	8.106	8.106	(0.892)	1892460	60.0000	61
	39	2,4,5-Trichlorophenol	196	8.154	8.154	(0.897)	2006247	60.0000	59
$	40	2-Fluorobiphenyl	172	8.218	8.218	(0.904)	6321055	60.0000	55
	130	1,1'-Biphenyl	154	8.341	8.341	(0.918)	7580480	60.0000	59
	41	2-Chloronaphthalene	162	8.357	8.357	(0.919)	6043616	60.0000	59
	42	2-Nitroaniline	65	8.544	8.544	(0.940)	1675477	60.0000	59
	43	Acenaphthylene	152	8.907	8.907	(0.980)	9575794	60.0000	56
	44	Dimethylphthalate	163	8.806	8.806	(0.969)	6851349	60.0000	60
	45	2,6-Dinitrotoluene	165	8.896	8.896	(0.979)	1560876	60.0000	64
	46	Acenaphthene	153	9.132	9.132	(1.005)	6569577	60.0000	59
	47	3-Nitroaniline	138	9.062	9.062	(0.997)	1789928	60.0000	63
	48	2,4-Dinitrophenol	184	9.174	9.174	(1.009)	865930	60.0000	70
	49	Dibenzofuran	168	9.308	9.308	(1.024)	8918486	60.0000	54
	50	2,4-Dinitrotoluene	165	9.345	9.345	(1.028)	2189033	60.0000	61
	51	4-Nitrophenol	109	9.244	9.244	(1.017)	1029840	60.0000	62
	52	Fluorene	166	9.682	9.682	(1.065)	7901663	60.0000	57
	53	4-Chlorophenyl-phenylether	204	9.671	9.671	(1.064)	3909632	60.0000	60
	54	Diethylphthalate	149	9.602	9.602	(1.056)	7327394	60.0000	61
	55	4-Nitroaniline	138	9.741	9.741	(1.072)	1871940	60.0000	60
$	56	2,4,6-Tribromophenol	330	9.960	9.960	(1.096)	795119	60.0000	60
*	57	Phenanthrene-d10	188	10.601	10.601	(1.000)	3385376	20.0000	
	58	4,6-Dinitro-2-methylphenol	198	9.778	9.778	(0.922)	1390711	60.0000	73
	59	N-Nitrosodiphenylamine (1)	169	9.805	9.805	(0.925)	6087842	60.0000	64
	60	1,2-Diphenylhydrazine	77	9.831	9.831	(0.927)	8169713	60.0000	59
	61	4-Bromophenyl-phenylether	248	10.163	10.163	(0.959)	2239584	60.0000	63
	166	Prometon	58	10.253	10.253	(0.967)	278242	12.0000	13
	167	Simazine	201	10.296	10.296	(0.971)	229849	12.0000	13
	131	Atrazine	200	10.328	10.328	(0.974)	2014011	60.0000	63
	62	Hexachlorobenzene	284	10.318	10.318	(0.973)	2121227	60.0000	63
	63	Pentachlorophenol	266	10.478	10.478	(0.988)	1189829	60.0000	69
	64	Phenanthrene	178	10.622	10.622	(1.002)	8847536	60.0000	47
	65	Carbazole	167	10.804	10.804	(1.019)	8907229	60.0000	51
	66	Anthracene	178	10.659	10.659	(1.006)	9563582	60.0000	50
	67	Di-n-butylphthalate	149	11.076	11.076	(1.045)	9341769	60.0000	49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
68	Fluoranthene	202	11.680	11.680	(1.102)	9830529	60.0000	50
* 70	Chrysene-d12	240	13.122	13.122	(1.000)	3171525	20.0000	
71	Benzidine	184	11.765	11.765	(0.897)	4478498	60.0000	62
72	Pyrene	202	11.893	11.893	(0.906)	10744086	60.0000	50
$ 73	Terphenyl-d14	244	11.990	11.990	(0.914)	8551196	60.0000	59
74	Butylbenzylphthalate	149	12.449	12.449	(0.949)	5793158	60.0000	65
124	3,3'-Dimethylbenzidine	212	12.470	12.470	(0.950)	3348345	60.0000	51
75	3,3'-Dichlorobenzidine	252	13.037	13.037	(0.993)	3873852	60.0000	63
76	Benzo(a)anthracene	228	13.095	13.095	(0.998)	11347730	60.0000	56
77	Chrysene	228	13.149	13.149	(1.002)	10778441	60.0000	55
78	Bis(2-Ethylhexyl)phthalate	149	12.983	12.983	(0.989)	7969809	60.0000	65
* 79	Perylene-d12	264	15.147	15.147	(1.000)	3060259	20.0000	
80	Di-n-octylphthalate	149	13.678	13.678	(0.903)	12004569	60.0000	56
81	Benzo(b)fluoranthene	252	14.511	14.511	(0.958)	10433188	60.0000	55
82	Benzo(k)fluoranthene	252	14.549	14.549	(0.960)	11088101	60.0000	58
83	Benzo(a)pyrene	252	15.056	15.056	(0.994)	10045062	60.0000	61
84	Indeno(1,2,3-cd)pyrene	276	17.364	17.364	(1.146)	13092329	60.0000	68
85	Dibenzo(a,h)anthracene	278	17.359	17.359	(1.146)	10680830	60.0000	68
86	Benzo(g,h,i)perylene	276	18.048	18.048	(1.192)	11261553	60.0000	73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Client ID: SSTD60
Sample Info: SSTD60
Volume Injected (uL): 1.0
Column phase: RTX-5
Instrument: msu.i
Operator: k.wilczak
Column diameter: 0.25
Y (x10^7)
Min
-2-Fluorophenol
-Cyclohexanone
-Benzaldehyde
-2-Chlorophenol
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4
-Benzyl alcohol
-Isophorone
-2-Nitrophenol
-2,4-Dimethylphenol
-Benzoic Acid
-Bis(2-Chloroethoxy)methan
-2,4-Dichlorophenol
-1,2,4-Trichlorobenzene
-Naphthalene
-Naphthalene-d8
-4-Chloroaniline
-Hexachlorobutadiene
-Caprolactam
-4-Chloro-3-methylphenol
-2-Methylnaphthalene+
-Hexachlorocyclopentadiene
-2-Fluorobiphenyl
-1,1'-Biphenyl+
-2-Nitroaniline
-Dimethylphthalate
-Acenaphthylene+
-Acenaphthene
-Dibenzofuran
-Diethylphthalate
-2,4,6-Tribromophenol
-4-Bromophenyl-phenylether
-Atrazine+
-Pentachlorophenol
-Carbazole
-Di-n-butylphthalate
-Benzidine
-Butylbenzylphthalate
-Chrysene
-Di-n-octylphthalate
-Benzo(a)pyrene
-Perylene-d12
-Indeno(1,2,3-cd)pyrene+
-Benzo(g,h,i)perylene
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Page 1

STLCT

Semivolatile REPORT SW-846 Method 8270

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Inj Date : 06-JUL-2005 14:13 MS Autotune Date: 04-FEB-2005 14:15
Operator : k.wilczak Inst ID: msu.i
Smp Info : SSTD80
Misc Info : :S ;50913;0.500;
Comment :
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Cal Date : 06-JUL-2005 14:13 Cal File: U9599.D
Als bottle: 32 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: std2.sub
Target Version: 4.14
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	InjectionVol
Cpnd Variable		Local Compound Variable

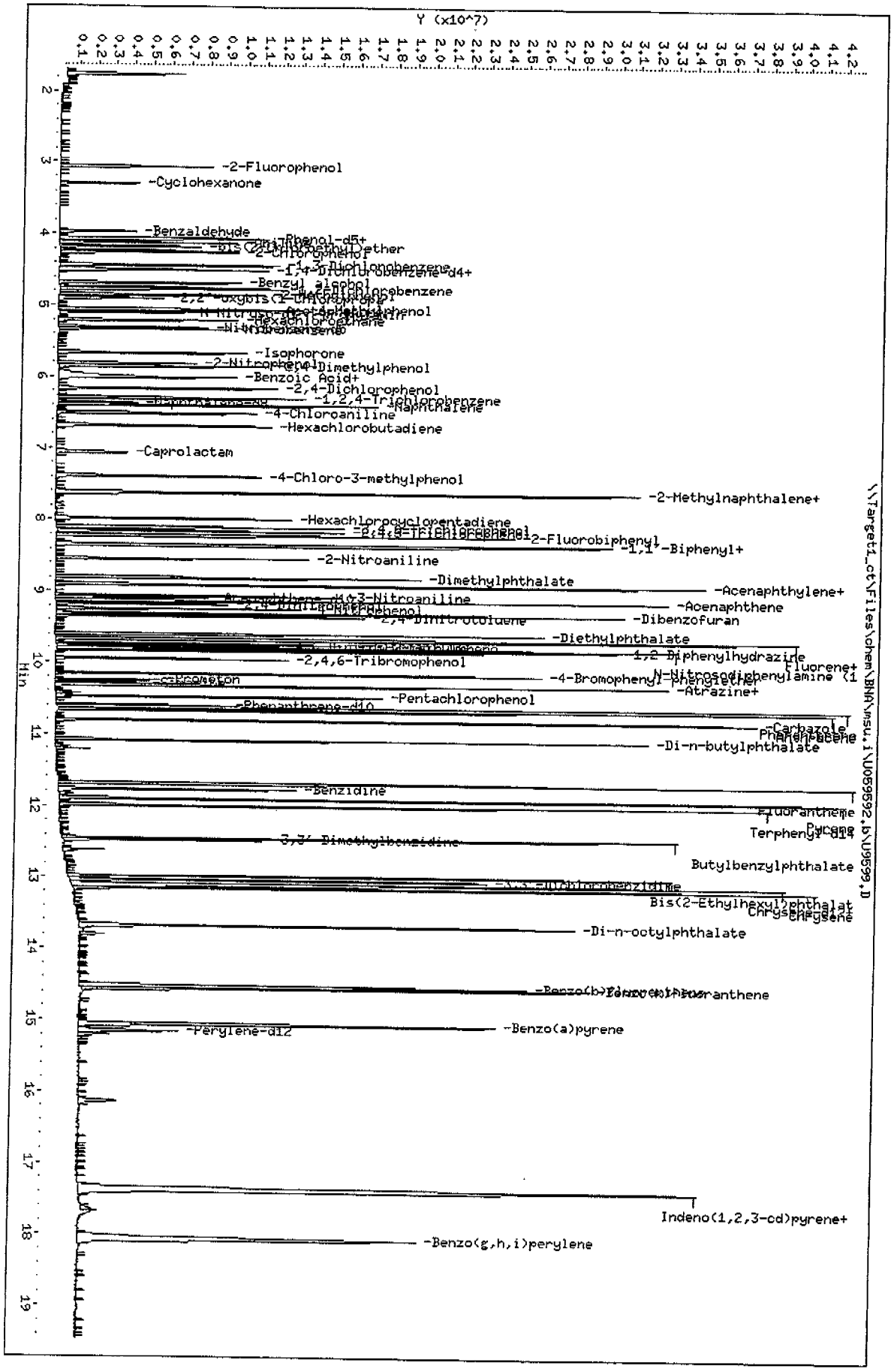
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.484	4.484	(1.000)	559596	20.0000	
$ 2	2-Fluorophenol	112	3.068	3.068	(0.684)	2514353	80.0000	80
$ 3	Phenol-d5	99	4.062	4.062	(0.906)	3620122	80.0000	80(A)
4	Pyridine	52	1.765	1.765	(0.394)	1296897	80.0000	94(A)
5	N-Nitrosodimethylamine	42	1.754	1.754	(0.391)	848965	80.0000	77
6	Cyclohexanone	42	3.303	3.303	(0.737)	683118	80.0000	56
128	Benzaldehyde	77	3.971	3.971	(0.886)	893784	80.0000	55
7	Phenol	94	4.078	4.078	(0.909)	3749345	80.0000	82(A)
8	Aniline	93	4.126	4.126	(0.920)	3974797	80.0000	71
9	bis(2-Chloroethyl)ether	63	4.179	4.179	(0.932)	1789697	80.0000	80(A)
10	2-Chlorophenol	128	4.254	4.254	(0.949)	3025756	80.0000	80
11	1,3-Dichlorobenzene	146	4.436	4.436	(0.989)	3575086	80.0000	80(A)
12	1,4-Dichlorobenzene	146	4.511	4.511	(1.006)	3442677	80.0000	76
13	Benzyl alcohol	108	4.682	4.682	(1.044)	1835286	80.0000	82(A)
14	1,2-Dichlorobenzene	146	4.772	4.772	(1.064)	3406808	80.0000	81(A)
15	2,2'-oxybis(1-Chloropropane)	45	4.901	4.901	(1.093)	2555404	80.0000	74
16	2-Methylphenol	108	4.853	4.853	(1.082)	2675067	80.0000	78
92	Acetophenone	105	5.077	5.077	(1.132)	4224977	80.0000	79
17	Hexachloroethane	117	5.211	5.211	(1.162)	1483422	80.0000	78
18	N-Nitroso-di-n-propylamine	70	5.104	5.104	(1.138)	2110228	80.0000	81(A)

			QUANT SIG					AMOUNTS CAL-AMT	AMOUNTS ON-COL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(NG)	(NG)
	19	4-Methylphenol	108	5.056	5.056	(1.127)	3006300	80.0000	79
*	20	Naphthalene-d8	136	6.375	6.375	(1.000)	2470802	20.0000	
$	21	Nitrobenzene-d5	82	5.312	5.312	(0.833)	3387892	80.0000	82(A)
	22	Nitrobenzene	77	5.339	5.339	(0.837)	3118185	80.0000	79
	23	Isophorone	82	5.670	5.670	(0.889)	5990107	80.0000	83(A)
	24	2-Nitrophenol	139	5.820	5.820	(0.913)	1841672	80.0000	87(A)
	25	2,4-Dimethylphenol	122	5.857	5.857	(0.919)	2692675	80.0000	80
	26	Benzoic Acid	122	5.996	5.996	(0.941)	2037298	80.0000	110(A)
	27	Bis(2-Chloroethoxy)methane	93	6.012	6.012	(0.943)	3773450	80.0000	80(A)
	28	2,4-Dichlorophenol	162	6.161	6.161	(0.966)	2834121	80.0000	81(A)
	29	1,2,4-Trichlorobenzene	180	6.311	6.311	(0.990)	3451005	80.0000	83(A)
	30	Naphthalene	128	6.407	6.407	(1.005)	9968666	80.0000	81(A)
	31	4-Chloroaniline	127	6.519	6.519	(1.023)	4041005	80.0000	79
	32	Hexachlorobutadiene	225	6.696	6.696	(1.050)	1956574	80.0000	80
	129	Caprolactam	113	7.075	7.075	(1.110)	1017023	80.0000	90(A)
	33	4-Chloro-3-methylphenol	107	7.390	7.390	(1.159)	3153971	80.0000	82(A)
	34	2-Methylnaphthalene	142	7.625	7.625	(1.196)	7561883	80.0000	82(A)
*	35	Acenaphthene-d10	164	9.094	9.094	(1.000)	1764622	20.0000	
	36	2,4,5-Trichlorotoluene	159	7.620	7.620	(1.699)	3085002	80.0000	80
	37	Hexachlorocyclopentadiene	237	7.983	7.983	(0.878)	2466873	80.0000	93(A)
	38	2,4,6-Trichlorophenol	196	8.106	8.106	(0.891)	2596784	80.0000	88(A)
	39	2,4,5-Trichlorophenol	196	8.159	8.159	(0.897)	2746937	80.0000	86(A)
$	40	2-Fluorobiphenyl	172	8.218	8.218	(0.904)	8799772	80.0000	82(A)
	130	1,1'-Biphenyl	154	8.341	8.341	(0.917)	9726883	80.0000	81(A)
	41	2-Chloronaphthalene	162	8.357	8.357	(0.919)	8209420	80.0000	85(A)
	42	2-Nitroaniline	65	8.544	8.544	(0.939)	2185481	80.0000	83(A)
	43	Acenaphthylene	152	8.907	8.907	(0.979)	10507223	80.0000	68
	44	Dimethylphthalate	163	8.806	8.806	(0.968)	8834806	80.0000	82(A)
	45	2,6-Dinitrotoluene	165	8.902	8.902	(0.979)	2150970	80.0000	92(A)
	46	Acenaphthene	153	9.132	9.132	(1.004)	8541555	80.0000	82(A)
	47	3-Nitroaniline	138	9.062	9.062	(0.996)	2417171	80.0000	90(A)
	48	2,4-Dinitrophenol	184	9.180	9.180	(1.009)	1360808	80.0000	110(A)
	49	Dibenzofuran	168	9.308	9.308	(1.023)	9593535	80.0000	65
	50	2,4-Dinitrotoluene	165	9.351	9.351	(1.028)	3077851	80.0000	90(A)
	51	4-Nitrophenol	109	9.244	9.244	(1.016)	1409755	80.0000	89(A)
	52	Fluorene	166	9.682	9.682	(1.065)	9118128	80.0000	73
	53	4-Chlorophenyl-phenylether	204	9.677	9.677	(1.064)	5394707	80.0000	88(A)
	54	Diethylphthalate	149	9.602	9.602	(1.056)	8998675	80.0000	80(A)
	55	4-Nitroaniline	138	9.746	9.746	(1.072)	2672531	80.0000	90(A)
$	56	2,4,6-Tribromophenol	330	9.960	9.960	(1.095)	1157631	80.0000	91(A)
*	57	Phenanthrene-d10	188	10.601	10.601	(1.000)	3201113	20.0000	
	58	4,6-Dinitro-2-methylphenol	198	9.783	9.783	(0.923)	1932236	80.0000	100(A)
	59	N-Nitrosodiphenylamine (1)	169	9.805	9.805	(0.925)	7270952	80.0000	81(A)
	60	1,2-Diphenylhydrazine	77	9.832	9.832	(0.927)	9067120	80.0000	70
	61	4-Bromophenyl-phenylether	248	10.163	10.163	(0.959)	3154100	80.0000	92(A)
	166	Prometon	58	10.254	10.254	(0.967)	383863	16.0000	18(A)
	167	Simazine	201	10.296	10.296	(0.971)	355832	16.0000	20
	131	Atrazine	200	10.328	10.328	(0.974)	2310976	80.0000	77
	62	Hexachlorobenzene	284	10.318	10.318	(0.973)	2889290	80.0000	88(A)
	63	Pentachlorophenol	266	10.478	10.478	(0.988)	1762196	80.0000	100(A)
	64	Phenanthrene	178	10.622	10.622	(1.002)	10328449	80.0000	61
	65	Carbazole	167	10.804	10.804	(1.019)	9655731	80.0000	61
	66	Anthracene	178	10.665	10.665	(1.006)	10337943	80.0000	60
	67	Di-n-butylphthalate	149	11.076	11.076	(1.045)	9725416	80.0000	58

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
	68 Fluoranthene	202	11.680	11.680	(1.102)	10865279	80.0000	61
*	70 Chrysene-d12	240	13.128	13.128	(1.000)	3007850	20.0000	
	71 Benzidine	184	11.765	11.765	(0.896)	5080966	80.0000	75
	72 Pyrene	202	11.899	11.899	(0.906)	11610332	80.0000	60
S	73 Terphenyl-d14	244	11.990	11.990	(0.913)	9604340	80.0000	71
	74 Butylbenzylphthalate	149	12.449	12.449	(0.948)	7694291	80.0000	89(A)
	124 3,3'-Dimethylbenzidine	212	12.476	12.476	(0.950)	4278439	80.0000	70
	75 3,3'-Dichlorobenzidine	252	13.042	13.042	(0.993)	5134538	80.0000	87(A)
	76 Benzo(a)anthracene	228	13.101	13.101	(0.998)	12835192	80.0000	68(M)
	77 Chrysene	228	13.149	13.149	(1.002)	11983918	80.0000	67
	78 Bis(2-Ethylhexyl)phthalate	149	12.983	12.983	(0.989)	9694346	80.0000	83(A)
*	79 Perylene-d12	264	15.158	15.158	(1.000)	3092089	20.0000	
	80 Di-n-octylphthalate	149	13.678	13.678	(0.902)	13647044	80.0000	65
	81 Benzo(b)fluoranthene	252	14.522	14.522	(0.958)	14536323	80.0000	77
	82 Benzo(k)fluoranthene	252	14.549	14.549	(0.960)	15000890	80.0000	78
	83 Benzo(a)pyrene	252	15.062	15.062	(0.994)	13936368	80.0000	83(A)
	84 Indeno(1,2,3-cd)pyrene	276	17.385	17.385	(1.147)	20649250	80.0000	100(A)
	85 Dibenzo(a,h)anthracene	278	17.380	17.380	(1.147)	16726079	80.0000	100(A)
	86 Benzo(g,h,i)perylene	276	18.069	18.069	(1.192)	17941336	80.0000	110(A)

QC Flag Legend

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


Y (x10^7)
Min
-2-Fluorophenol
-Cyclohexanone
-Benzaldehyde
-Phenol-d5+
-2-Chlorophenol
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-Benzyl alcohol
-Isophorone
-2-Nitrophenol
-2,4-Dimethylphenol
-Benzoic Acid+
-2,4-Dichlorophenol
-1,2,4-Trichlorobenzene
-Naphthalene
-4-Chloroaniline
-Hexachlorobutadiene
-Caprolactam
-4-Chloro-3-methylphenol
-2-Methylnaphthalene+
-Hexachlorocyclopentadiene
-2-Fluorobiphenyl
-1,1'-Biphenyl+
-2-Nitroaniline
-Dimethylphthalate
-Acenaphthylene+
-Acenaphthene
-2,4-Dinitrotoluene
-Dibenzofuran
-Diethylphthalate
-2,4,6-Tribromophenol
-4-Bromophenyl-phenylether
-Atrazine+
-Pentachlorophenol
-Carbazole
-Di-n-butylphthalate
-Benzidine
-Fluoranthene
-Pyrene
-3,3'-Dimethylbenzidine
-Butylbenzylphthalate
-Bis(2-Ethylhexyl)phthalat
-Chrysene
-Di-n-octylphthalate
-Benzo(b)fluoranthene
-Benzo(a)pyrene
-Perylene-d12
-Indeno(1,2,3-cd)pyrene+
-Benzo(g,h,i)perylene
Data File: \\Target1_ct\Files\chem\BNA\msu.i\U059592.b\U9599.D
Date : 06-JUL-2005 14:13
Client ID: SSTD80
Sample Info: SSTD80
Volume Injected (uL): 1.0
Column phase: RTX-5
\\Target1_ct\Files\chem\BNA\msu.i\U059592.b\U9599.D
Instrument: msu.i
Operator: k.wilczak
Column diameter: 0.25
Page 1

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSX Calibration Date(s): 07/05/05 07/05/05

Calibration Time(s): 1340 1558

LAB FILE ID: RRF0.5=X0265 RRF1 =X0266
RRF2 =X0264 RRF4 =X0267 RRF5 =X0268

COMPOUND	RRF0.5	RRF1	RRF2	RRF4	RRF5	$\overline{RRF}$	% RSD	
Pyridine	1.570	1.460	1.158	1.316	1.169			
N-Nitrosodimethylamine	0.554	0.639	0.401	0.588	0.430			
Cyclohexanone	1.239	1.036	1.172	1.157	1.156			
Phenol	2.257	2.250	2.350	2.380	2.101			
Aniline	2.902	2.848	3.007	3.089	2.612			
bis(2-Chloroethyl)ether	1.614	1.599	1.560	1.530	1.412			
2-Chlorophenol	1.617	1.651	1.689	1.718	1.583			
1,3-Dichlorobenzene	1.899	1.850	1.858	1.861	1.680			
1,4-Dichlorobenzene	1.843	1.861	1.879	1.848	1.694			
Benzyl alcohol	1.075	1.005	1.108	1.113	0.987			
1,2-Dichlorobenzene	1.747	1.789	1.780	1.746	1.625			
2,2'-oxybis(1-Chloropropane)	3.326	3.226	3.228	3.232	2.939			
2-Methylphenol	1.515	1.425	1.580	1.585	1.455			
Hexachloroethane	0.786	0.769	0.790	0.786	0.723			
N-Nitroso-di-n-propylamine *	0.940	0.909	0.946	0.983	0.877			*
4-Methylphenol	1.542	1.566	1.552	1.618	1.488			
Nitrobenzene	0.398	0.408	0.419	0.432	0.400			
Isophorone	0.802	0.818	0.855	0.864	0.785			
2-Nitrophenol	0.139	0.149	0.157	0.173	0.167			
2,4-Dimethylphenol	0.290	0.297	0.300	0.316	0.290			
Benzoic Acid	0.041	0.065	0.094	0.114	0.134			
Bis(2-Chloroethoxy)methane	0.534	0.531	0.530	0.536	0.480			
2,4-Dichlorophenol	0.245	0.232	0.253	0.274	0.241			
1,2,4-Trichlorobenzene	0.292	0.314	0.302	0.301	0.277			
Naphthalene	1.200	1.213	1.182	1.190	1.087			
4-Chloroaniline	0.456	0.456	0.465	0.473	0.426			
Hexachlorobutadiene	0.164	0.162	0.154	0.163	0.152			
4-Chloro-3-methylphenol	0.254	0.263	0.291	0.304	0.274			
2-Methylnaphthalene	0.742	0.764	0.753	0.751	0.681			
2,4,5-Trichlorotoluene	1.205	1.175	1.164	1.134	1.167			
Hexachlorocyclopentadiene *	0.235	0.242	0.253	0.294	0.265			*
2,4,6-Trichlorophenol	0.294	0.300	0.324	0.330	0.312			
2,4,5-Trichlorophenol	0.289	0.317	0.328	0.353	0.334			
2-Chloronaphthalene	1.431	1.350	1.346	1.347	1.220			
2-Nitroaniline	0.344	0.383	0.442	0.448	0.429			
Acenaphthylene	2.008	2.065	2.115	2.123	1.966			
Dimethylphthalate	1.526	1.498	1.518	1.553	1.399			

* 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.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSX Calibration Date(s): 07/05/05 07/05/05

Calibration Time(s): 1340 1558

LAB FILE ID: RRF0.5=X0265 RRF1 =X0266
RRF2 =X0264 RRF4 =X0267 RRF5 =X0268

COMPOUND		RRF0.5	RRF1	RRF2	RRF4	RRF5	$\overline{RRF}$	% RSD	
2,6-Dinitrotoluene		0.206	0.234	0.272	0.304	0.275			
Acenaphthene		1.337	1.371	1.335	1.353	1.204			
3-Nitroaniline		0.279	0.300	0.340	0.367	0.346			
2,4-Dinitrophenol	*	0.035	0.048	0.076	0.102	0.105			*
Dibenzofuran		1.994	1.923	1.926	1.930	1.735			
2,4-Dinitrotoluene		0.309	0.353	0.391	0.430	0.392			
4-Nitrophenol	*	0.123	0.142	0.161	0.177	0.166			*
Fluorene		1.502	1.540	1.515	1.541	1.388			
4-Chlorophenyl-phenylether		0.706	0.659	0.676	0.664	0.599			
Diethylphthalate		1.448	1.531	1.542	1.584	1.430			
4-Nitroaniline		0.274	0.313	0.349	0.362	0.322			
4,6-Dinitro-2-methylphenol		0.044	0.067	0.091	0.115	0.112			
N-Nitrosodiphenylamine (1)		0.674	0.729	0.744	0.744	0.666			
1,2-Diphenylhydrazine		1.225	1.270	1.328	1.324	1.207			
4-Bromophenyl-phenylether		0.222	0.241	0.241	0.246	0.226			
Hexachlorobenzene		0.271	0.286	0.282	0.277	0.252			
Pentachlorophenol		0.085	0.104	0.116	0.126	0.118			
Phenanthrene		1.495	1.457	1.437	1.434	1.285			
Carbazole		1.295	1.348	1.378	1.335	1.176			
Anthracene		1.350	1.379	1.429	1.442	1.308			
Di-n-butylphthalate		1.428	1.526	1.752	1.772	1.603			
Fluoranthene		1.284	1.284	1.396	1.425	1.268			
Benzidine		0.268	0.370	0.424	0.416	0.306			
Pyrene		1.518	1.550	1.586	1.582	1.385			
Butylbenzylphthalate		0.510	0.613	0.724	0.779	0.680			
3,3'-Dichlorobenzidine		0.259	0.325	0.373	0.404	0.384			
Benzo(a)anthracene		1.372	1.366	1.390	1.470	1.305			
Chrysene		1.394	1.459	1.439	1.410	1.254			
Bis(2-Ethylhexyl)phthalate		0.761	0.814	1.011	1.028	0.931			
Di-n-octylphthalate		0.839	0.962	1.376	1.517	1.396			
Benzo(b)fluoranthene		0.988	1.208	1.248	1.257	1.161			
Benzo(k)fluoranthene		1.482	1.494	1.492	1.602	1.452			
Benzo(a)pyrene		0.994	1.041	1.080	1.162	1.093			
Indeno(1,2,3-cd)pyrene		0.984	1.113	1.241	1.321	1.170			
Dibenzo(a,h)anthracene		0.712	0.821	0.978	1.043	0.984			
Benzo(g,h,i)perylene		0.954	0.990	1.060	1.132	1.032			
3,3'-Dimethylbenzidine		0.267	0.339	0.396	0.414	0.287			

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM VI SV-2

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSX Calibration Date(s): 07/05/05 07/05/05

Calibration Time(s): 1340 1558

LAB FILE ID: RRF0.5=X0265 RRF1 =X0266
RRF2 =X0264 RRF4 =X0267 RRF5 =X0268

COMPOUND	RRF0.5	RRF1	RRF2	RRF4	RRF5	$\overline{RRF}$	% RSD
Acetophenone	2.528	2.579	2.475	2.483	2.288		
Benzaldehyde	1.434	1.460	1.479	1.490	0.822		
Caprolactam	0.075	0.085	0.105	0.110	0.103		
1,1'-Biphenyl	1.738	1.710	1.714	1.702	1.555		
Atrazine	0.225	0.228	0.251	0.243	0.227		
Prometon	0.034	0.035	0.048	0.048	0.044		
Simazine	0.021	0.022	0.024	0.027	0.022		
2-Fluorophenol	1.353	1.241	1.644	1.551	1.519		
Phenol-d5	1.988	2.051	2.118	2.187	2.020		
Nitrobenzene-d5	0.410	0.419	0.415	0.436	0.407		
2-Fluorobiphenyl	1.509	1.499	1.515	1.485	1.354		
2,4,6-Tribromophenol	0.149	0.159	0.165	0.173	0.167		
Terphenyl-d14	0.963	0.961	1.003	1.049	0.909		

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSX Calibration Date(s): 07/05/05 07/05/05

Calibration Time(s): 1340 1558

LAB FILE ID: RRF10 =X0269 RRF20 =X0270

COMPOUND	RRF10	RRF20				$\overline{RRF}$	% RSD
Pyridine	0.954	1.357				1.283	16.1
N-Nitrosodimethylamine	0.528	0.604				0.535	16.7
Cyclohexanone	1.194	1.142				1.156	5.4
Phenol	2.229	2.211				2.254	4.1
Aniline	2.859	2.769				2.869	5.4
bis(2-Chloroethyl)ether	1.489	1.464				1.524	4.8
2-Chlorophenol	1.631	1.637				1.646	2.8
1,3-Dichlorobenzene	1.747	1.729				1.803	4.6
1,4-Dichlorobenzene	1.757	1.716				1.800	4.2
Benzyl alcohol	1.078	1.063				1.061	4.5
1,2-Dichlorobenzene	1.628	1.599				1.702	4.8
2,2'-oxybis(1-Chloropropane)	3.018	2.972				3.134	4.9
2-Methylphenol	1.532	1.523				1.516	3.9
Hexachloroethane	0.749	0.740				0.763	3.5
N-Nitroso-di-n-propylamine *	0.928	0.905				0.927	3.7*
4-Methylphenol	1.579	1.559				1.558	2.5
Nitrobenzene	0.414	0.423				0.413	3.0
Isophorone	0.824	0.809				0.822	3.5
2-Nitrophenol	0.176	0.183				0.163	9.6
2,4-Dimethylphenol	0.299	0.293				0.298	3.0
Benzoic Acid	0.161	0.159				0.110	41.9
Bis(2-Chloroethoxy)methane	0.489	0.477				0.511	5.4
2,4-Dichlorophenol	0.260	0.261				0.252	5.6
1,2,4-Trichlorobenzene	0.278	0.273				0.291	5.3
Naphthalene	1.088	1.067				1.147	5.5
4-Chloroaniline	0.450	0.436				0.452	3.5
Hexachlorobutadiene	0.151	0.147				0.156	4.4
4-Chloro-3-methylphenol	0.296	0.297				0.283	6.7
2-Methylnaphthalene	0.696	0.670				0.722	5.3
2,4,5-Trichlorotoluene	1.180	1.131				1.165	2.2
Hexachlorocyclopentadiene *	0.289	0.293				0.267	9.3*
2,4,6-Trichlorophenol	0.328	0.328				0.316	4.6
2,4,5-Trichlorophenol	0.323	0.340				0.326	6.2
2-Chloronaphthalene	1.212	1.138				1.292	8.0
2-Nitroaniline	0.449	0.441				0.419	9.6
Acenaphthylene	1.953	1.877				2.015	4.5
Dimethylphthalate	1.397	1.361				1.464	5.2

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM VI SV-4

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSX Calibration Date(s): 07/05/05 07/05/05

Calibration Time(s): 1340 1558

LAB FILE ID: RRF10 =X0269 RRF20 =X0270

COMPOUND	RRF10	RRF20				$\overline{RRF}$	% RSD
2,6-Dinitrotoluene	0.290	0.297				0.268	13.3
Acenaphthene	1.186	1.127				1.273	7.7
3-Nitroaniline	0.344	0.344				0.331	9.2
2,4-Dinitrophenol *	0.131	0.142				0.091	44.1*
Dibenzofuran	1.725	1.631				1.838	7.5
2,4-Dinitrotoluene	0.406	0.393				0.382	10.3
4-Nitrophenol *	0.170	0.174				0.159	12.3*
Fluorene	1.365	1.263				1.445	7.4
4-Chlorophenyl-phenylether	0.583	0.540				0.632	9.4
Diethylphthalate	1.452	1.404				1.484	4.5
4-Nitroaniline	0.338	0.310				0.324	9.0
4,6-Dinitro-2-methylphenol	0.138	0.133				0.100	34.8
N-Nitrosodiphenylamine (1)	0.681	0.646				0.698	5.8
1,2-Diphenylhydrazine	1.241	1.184				1.254	4.5
4-Bromophenyl-phenylether	0.230	0.225				0.233	4.1
Hexachlorobenzene	0.250	0.239				0.265	6.9
Pentachlorophenol	0.128	0.130				0.115	14.0
Phenanthrene	1.299	1.214				1.374	7.8
Carbazole	1.128	1.038				1.242	10.4
Anthracene	1.328	1.239				1.354	5.2
Di-n-butylphthalate	1.687	1.601				1.624	7.6
Fluoranthene	1.303	1.224				1.312	5.5
Benzidine	0.392	0.407				0.369	16.2
Pyrene	1.470	1.433				1.503	5.1
Butylbenzylphthalate	0.762	0.757				0.689	14.1
3,3'-Dichlorobenzidine	0.434	0.460				0.377	18.0
Benzo(a)anthracene	1.338	1.315				1.365	4.1
Chrysene	1.264	1.275				1.356	6.5
Bis(2-Ethylhexyl)phthalate	1.006	0.945				0.928	11.2
Di-n-octylphthalate	1.578	1.624				1.327	23.1
Benzo(b)fluoranthene	1.223	1.270				1.194	8.2
Benzo(k)fluoranthene	1.400	1.263				1.455	7.2
Benzo(a)pyrene	1.113	1.117				1.086	5.0
Indeno(1,2,3-cd)pyrene	1.290	1.304				1.203	10.2
Dibenzo(a,h)anthracene	1.058	1.068				0.952	14.2
Benzo(g,h,i)perylene	1.106	1.120				1.056	6.4
3,3'-Dimethylbenzidine	0.355	0.390				0.350	16.0

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSX Calibration Date(s): 07/05/05 07/05/05

Calibration Time(s): 1340 1558

LAB FILE ID: RRF10 =X0269 RRF20 =X0270

COMPOUND	RRF10	RRF20				$\overline{RRF}$	% RSD
Acetophenone	2.344					2.450	4.5
Benzaldehyde	0.832					1.253	26.4
Caprolactam	0.070					0.091	18.4
1,1'-Biphenyl	1.538					1.660	5.3
Atrazine	0.224					0.233	4.8
Prometon	0.054					0.044	17.9
Simazine	0.024					0.023	8.8
2-Fluorophenol	1.608	1.604				1.503	10.0
Phenol-d5	2.120	2.097				2.083	3.3
Nitrobenzene-d5	0.420	0.422				0.418	2.2
2-Fluorobiphenyl	1.355	1.269				1.426	6.9
2,4,6-Tribromophenol	0.176	0.172				0.166	5.7
Terphenyl-d14	0.944	0.943				0.967	4.7

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

STL Connecticut

Semivolatile REPORT SW-846 Method 8270

Data file : \\target1_ct\Files\chem\BNA\msx.i\X050257.b\X0264.D
Lab Smp Id: SSTD2/5 Client Smp ID: SSTD2/5
Inj Date : 05-JUL-2005 13:40 MS Autotune Date: 15-JUN-2004 12:29
Operator : d.may Inst ID: msx.i
Smp Info : SSTD2/5
Misc Info : : ;50;0.500;
Comment :
Method : \\target1_ct\Files\chem\BNA\msx.i\X050257.b\zebron-1.m
Meth Date : 06-Jul-2005 12:45 dawn Quant Type: ISTD
Cal Date : 05-JUL-2005 13:40 Cal File: X0264.D
Als bottle: 26 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: std2.sub
Target Version: 4.10
Processing Host: CONSVOA

Concentration Formula:
Amt * DF * Uf * Vt/(Ws *Vi* ((100 - M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	10000.000	Volume of final extract (uL)(1000 low, 2
Ws	15.000	Weight of sample extracted (g)
Vi	1.000	InjectionVol
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.172	4.172	(1.000)	165822	5.00000	
$ 2	2-Fluorophenol	112	3.031	3.031	(0.727)	109022	2.00000	2
$ 3	Phenol-d5	99	3.790	3.796	(0.908)	140501	2.00000	2
4	Pyridine	52	2.196	2.190	(0.526)	76800	2.00000	2(M)
5	N-Nitrosodimethylamine	42	2.178	2.184	(0.522)	26615	2.00000	2
6	Cyclohexanone	42	3.266	3.266	(0.783)	77711	2.00000	2
128	Benzaldehyde	77	3.778	3.778	(0.906)	98119	2.00000	2
7	Phenol	94	3.808	3.808	(0.913)	155893	2.00000	2
8	Aniline	93	3.866	3.866	(0.927)	199483	2.00000	2
9	bis(2-Chloroethyl)ether	63	3.913	3.919	(0.938)	103483	2.00000	2
10	2-Chlorophenol	128	3.972	3.972	(0.952)	112044	2.00000	2
11	1,3-Dichlorobenzene	146	4.119	4.119	(0.987)	123206	2.00000	2
12	1,4-Dichlorobenzene	146	4.190	4.190	(1.004)	124659	2.00000	2
13	Benzyl alcohol	108	4.290	4.296	(1.028)	73477	2.00000	2
14	1,2-Dichlorobenzene	146	4.337	4.337	(1.039)	118037	2.00000	2
15	2,2'-oxybis(1-Chloropropane)	45	4.431	4.431	(1.062)	214105	2.00000	2
16	2-Methylphenol	108	4.384	4.390	(1.051)	104796	2.00000	2
92	Acetophenone	105	4.560	4.560	(1.093)	164145	2.00000	2

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
	17	Hexachloroethane	117	4.672	4.672	(1.120)	52398	2.00000	2
	18	N-Nitroso-di-n-propylamine	70	4.555	4.566	(1.092)	62718	2.00000	2
*	20	Naphthalene-d8	136	5.460	5.460	(1.000)	736577	5.00000	
$	21	Nitrobenzene-d5	82	4.713	4.713	(0.863)	122350	2.00000	2
	22	Nitrobenzene	77	4.731	4.737	(0.866)	123513	2.00000	2
	23	Isophorone	82	4.972	4.978	(0.911)	252042	2.00000	2
	24	2-Nitrophenol	139	5.055	5.060	(0.926)	46336	2.00000	2
	26	Benzoic Acid	122	5.137	5.225	(0.941)	68959	5.00000	5(M)
	27	Bis(2-Chloroethoxy)methane	93	5.202	5.202	(0.953)	156240	2.00000	2
	28	2,4-Dichlorophenol	162	5.302	5.302	(0.971)	74495	2.00000	2
	29	1,2,4-Trichlorobenzene	180	5.402	5.402	(0.989)	89131	2.00000	2
	30	Naphthalene	128	5.484	5.484	(1.004)	348235	2.00000	2
	31	4-Chloroaniline	127	5.537	5.537	(1.014)	137008	2.00000	2
	32	Hexachlorobutadiene	225	5.613	5.613	(1.028)	45344	2.00000	2
	129	Caprolactam	113	5.878	5.925	(1.076)	30839	2.00000	2
	33	4-Chloro-3-methylphenol	107	6.055	6.066	(1.109)	85753	2.00000	2
	34	2-Methylnaphthalene	142	6.237	6.237	(1.142)	221844	2.00000	2
*	35	Acenaphthene-d10	164	7.384	7.384	(1.000)	376541	5.00000	
	36	2,4,5-Trichlorotoluene	159	6.184	6.190	(1.482)	77215	2.00000	2
	38	2,4,6-Trichlorophenol	196	6.537	6.543	(0.885)	48751	2.00000	2
	39	2,4,5-Trichlorophenol	196	6.572	6.578	(0.890)	123723	5.00000	5
$	40	2-Fluorobiphenyl	172	6.643	6.643	(0.900)	228249	2.00000	2
	130	1,1'-Biphenyl	154	6.749	6.754	(0.914)	258176	2.00000	2
	41	2-Chloronaphthalene	162	6.766	6.772	(0.916)	202729	2.00000	2
	42	2-Nitroaniline	65	6.878	6.884	(0.931)	66572	2.00000	2
	43	Acenaphthylene	152	7.231	7.231	(0.979)	318549	2.00000	2
	44	Dimethylphthalate	163	7.096	7.102	(0.961)	228697	2.00000	2
	45	2,6-Dinitrotoluene	165	7.154	7.160	(0.969)	41052	2.00000	2
	46	Acenaphthene	153	7.419	7.425	(1.005)	201108	2.00000	2
	47	3-Nitroaniline	138	7.337	7.343	(0.994)	51254	2.00000	2
	48	2,4-Dinitrophenol	184	7.454	7.461	(1.010)	28744	5.00000	5
	49	Dibenzofuran	168	7.619	7.619	(1.032)	290091	2.00000	2
	50	2,4-Dinitrotoluene	165	7.601	7.607	(1.029)	58937	2.00000	2
	51	4-Nitrophenol	109	7.513	7.531	(1.018)	60580	5.00000	5
	52	Fluorene	166	8.001	8.001	(1.084)	228250	2.00000	2
	53	4-Chlorophenyl-phenylether	204	8.007	8.007	(1.084)	101813	2.00000	2
	54	Diethylphthalate	149	7.890	7.896	(1.069)	232203	2.00000	2
	55	4-Nitroaniline	138	8.013	8.031	(1.085)	52626	2.00000	2
$	56	2,4,6-Tribromophenol	330	8.266	8.272	(1.119)	62103	5.00000	5
*	57	Phenanthrene-d10	188	9.037	9.037	(1.000)	572309	5.00000	
	58	4,6-Dinitro-2-methylphenol	198	8.054	8.060	(0.891)	51921	5.00000	5
	59	N-Nitrosodiphenylamine (1)	169	8.137	8.143	(0.900)	170270	2.00000	2
	60	1,2-Diphenylhydrazine	77	8.184	8.190	(0.906)	304120	2.00000	2
	61	4-Bromophenyl-phenylether	248	8.554	8.560	(0.947)	55101	2.00000	2
	166	Prometon	58	8.678	8.684	(0.960)	10989	2.00000	2
	167	Simazine	201	8.707	8.713	(0.964)	5584	2.00000	2
	131	Atrazine	200	8.748	8.754	(0.968)	57496	2.00000	2
	62	Hexachlorobenzene	284	8.607	8.613	(0.952)	64545	2.00000	2
	63	Pentachlorophenol	266	8.825	8.831	(0.977)	66499	5.00000	5
	64	Phenanthrene	178	9.060	9.060	(1.003)	328950	2.00000	2
	65	Carbazole	167	9.278	9.278	(1.027)	315495	2.00000	2
	66	Anthracene	178	9.113	9.113	(1.008)	327164	2.00000	2
	67	Di-n-butylphthalate	149	9.625	9.625	(1.065)	401066	2.00000	2
	68	Fluoranthene	202	10.172	10.172	(1.126)	319627	2.00000	2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	70 Chrysene-d12	240	11.372	11.360	(1.000)	553516	5.00000	
	71 Benzidine	184	10.290	10.290	(0.905)	93967	2.00000	2
	72 Pyrene	202	10.366	10.366	(0.912)	351233	2.00000	2
$	73 Terphenyl-d14	244	10.501	10.495	(0.923)	222057	2.00000	2
	74 Butylbenzylphthalate	149	10.907	10.895	(0.959)	160394	2.00000	2
	124 3,3'-Dimethylbenzidine	212	10.895	10.884	(0.958)	87687	2.00000	2
	75 3,3'-Dichlorobenzidine	252	11.337	11.325	(0.997)	82604	2.00000	2
	76 Benzo(a)anthracene	228	11.366	11.348	(0.999)	307663	2.00000	2
	77 Chrysene	228	11.395	11.384	(1.002)	318621	2.00000	2
	78 Bis(2-Ethylhexyl)phthalate	149	11.372	11.354	(1.000)	223934	2.00000	2
*	79 Perylene-d12	264	12.548	12.519	(1.000)	565783	5.00000	
	80 Di-n-octylphthalate	149	11.889	11.860	(0.948)	311521	2.00000	2
	81 Benzo(b)fluoranthene	252	12.219	12.195	(0.974)	282516	2.00000	2
	82 Benzo(k)fluoranthene	252	12.242	12.219	(0.976)	337606	2.00000	2
	83 Benzo(a)pyrene	252	12.501	12.472	(0.996)	244459	2.00000	2
	84 Indeno(1,2,3-cd)pyrene	276	13.642	13.619	(1.087)	280815	2.00000	2
	85 Dibenzo(a,h)anthracene	278	13.660	13.630	(1.089)	221360	2.00000	2
	86 Benzo(g,h,i)perylene	276	13.966	13.948	(1.113)	239867	2.00000	2

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target1_ct\Files\chem\BNA\msx.i\X050257.b\X0264.D
Date : 05-JUL-2005 13:40
Client ID: SSTD2/5
Sample Info: SSTD2/5
Volume Injected (uL): 1.0
Column phase: ZEBRON-5MS
Instrument: msx.i
Operator: d.may
Column diameter: 0.50
\\target1_ct\Files\chem\BNA\msx.i\X050257.b\X0264.D
Y (x10^6)
Min
-2-Fluorophenol
-Cyclohexanone
-Phenol-d5+
-2-Chlorophenol
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-Benzyl alcohol
-Hexachloroethane
-Isophorone
-2-Nitrophenol
-2,4-Dichlorophenol
-1,2,4-Trichlorobenzene
-Naphthalene-d8
-Hexachlorobutadiene
-Caprolactam
-4-Chloro-3-methylphenol
-2,4,5-Trichlorotoluene
-Hexachlorocyclopentadiene
-2,4,6-Trichlorophenol
-2-Fluorobiphenyl
-2-Nitroaniline
-Dimethylphthalate
-Acenaphthylene
-3-Nitroaniline
-Acenaphthene-d10
-Diethylphthalate
-Fluorene+
-2,4,6-Tribromophenol
-4-Bromophenyl-phenylether
-Hexachlorobenzene
-Atrazine
-Pentachlorophenol
-Phenanthrene-d10
-Carbazole
-Di-n-butylphthalate
-Fluoranthene
-Benzidine
-Pyrene
-Terphenyl-d14
-Butylbenzylphthalate+
-Chrysene
Chrysene-d12+
-Di-n-octylphthalate
-Perylene-d12
-Indeno(1,2,3-cd)pyrene+
-Benzo(g,h,i)perylene

STL Connecticut

Semivolatile REPORT SW-846 Method 8270

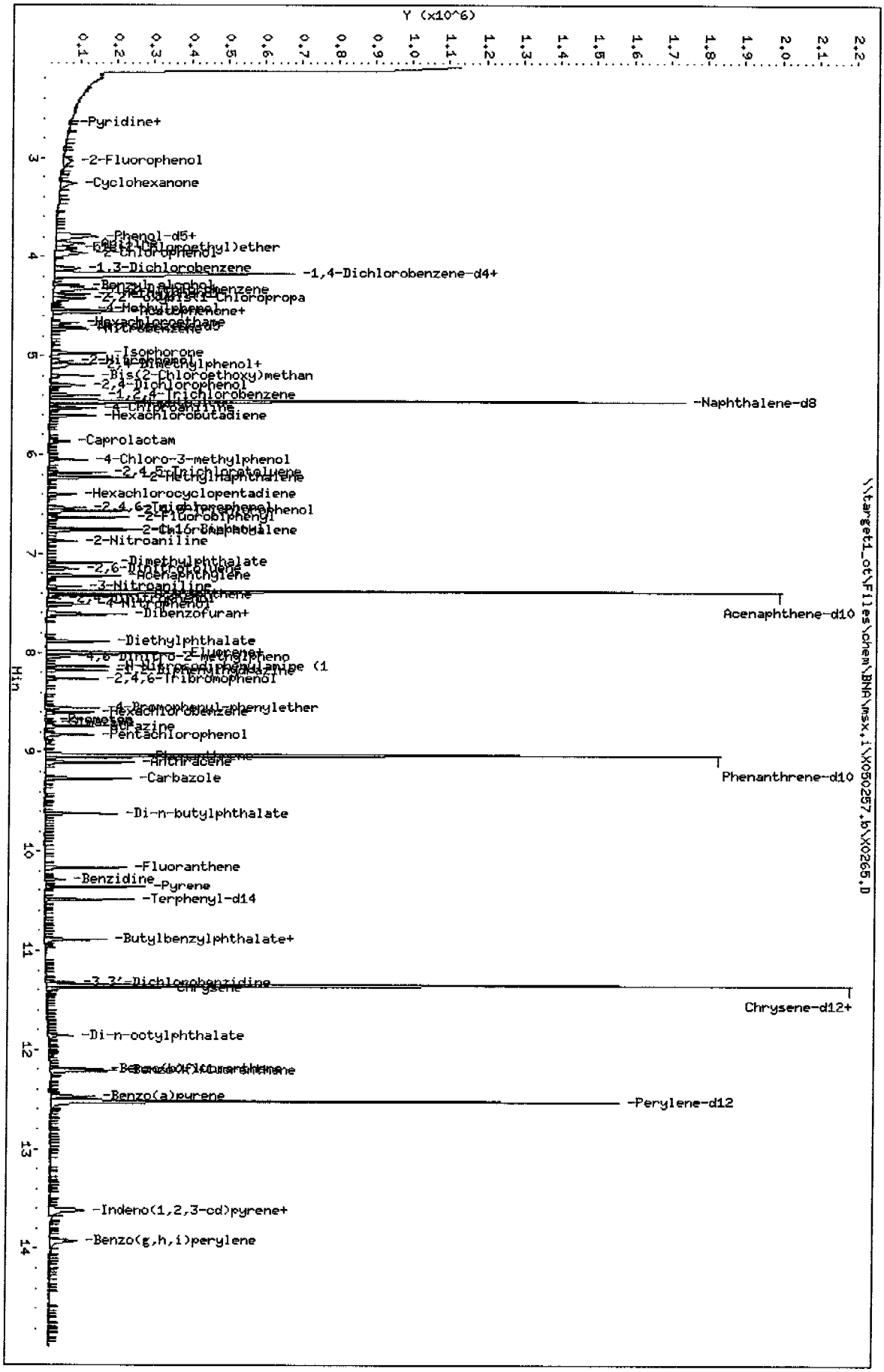
Data file : \\target1_ct\Files\chem\BNA\msx.i\X050257.b\X0265.D
Lab Smp Id: SSTD0.5/1.25 Client Smp ID: SSTD0.5/1.25
Inj Date : 05-JUL-2005 14:03 MS Autotune Date: 15-JUN-2004 12:29
Operator : d.may Inst ID: msx.i
Smp Info : SSTD0.5/1.25
Misc Info : : ;50;0.500;
Comment :
Method : \\target1_ct\Files\chem\BNA\msx.i\X050257.b\zebron-1.m
Meth Date : 06-Jul-2005 12:45 dawn Quant Type: ISTD
Cal Date : 05-JUL-2005 14:03 Cal File: X0265.D
Als bottle: 27 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: std2.sub
Target Version: 4.10
Processing Host: CONSVOA

Concentration Formula:
Amt * DF * Uf * Vt/(Ws *Vi* ((100 - M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	10000.000	Volume of final extract (uL)(1000 low, 2
Ws	15.000	Weight of sample extracted (g)
Vi	1.000	InjectionVol
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.172	4.172	(1.000)	160592	5.00000	
$ 2	2-Fluorophenol	112	3.031	3.031	(0.727)	21733	0.50000	0.5
$ 3	Phenol-d5	99	3.790	3.796	(0.908)	31925	0.50000	0.5
6	Cyclohexanone	42	3.266	3.266	(0.783)	19895	0.50000	0.5
128	Benzaldehyde	77	3.778	3.778	(0.906)	23037	0.50000	0.5
92	Acetophenone	105	4.560	4.560	(1.093)	40591	0.50000	0.5
* 20	Naphthalene-d8	136	5.460	5.460	(1.000)	705007	5.00000	
$ 21	Nitrobenzene-d5	82	4.713	4.713	(0.863)	28904	0.50000	0.5
129	Caprolactam	113	5.872	5.925	(1.075)	5301	0.50000	0.4
* 35	Acenaphthene-d10	164	7.384	7.384	(1.000)	353438	5.00000	
$ 40	2-Fluorobiphenyl	172	6.637	6.643	(0.899)	53335	0.50000	0.5
130	1,1'-Biphenyl	154	6.748	6.754	(0.914)	61435	0.50000	0.5
$ 56	2,4,6-Tribromophenol	330	8.260	8.272	(1.119)	13158	1.25000	1
* 57	Phenanthrene-d10	188	9.031	9.037	(1.000)	544538	5.00000	
166	Prometon	58	8.678	8.684	(0.961)	1835	0.50000	0.4
167	Simazine	201	8.701	8.713	(0.964)	1159	0.50000	0.5
131	Atrazine	200	8.742	8.754	(0.968)	12259	0.50000	0.5
* 70	Chrysene-d12	240	11.354	11.360	(1.000)	521986	5.00000	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
$ 73 Terphenyl-d14	244	10.495	10.495	(0.924)	50284	0.50000	0.5
* 79 Perylene-d12	264	12.519	12.519	(1.000)	497384	5.00000	


Y (x10^6)
Min
-Pyridine+
-2-Fluorophenol
-Cyclohexanone
-Phenol-d5+
-2-Chlorophenol
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-Isophorone
-Naphthalene-d8
-Caprolactam
-4-Chloro-3-methylphenol
-Hexachlorocyclopentadiene
-2-Nitroaniline
-Dimethylphthalate
-Acenaphthylene
-3-Nitroaniline
-Dibenzofuran+
Acenaphthene-d10
-Diethylphthalate
-Fluorene+
-2,4,6-Tribromophenol
-Pentachlorophenol
-Phenanthrene
-Anthracene
-Carbazole
Phenanthrene-d10
-Di-n-butylphthalate
-Fluoranthene
-Benzidine
-Pyrene
-Terphenyl-d14
-Butylbenzylphthalate+
-3,3'-Dichlorobenzidine
-Chrysene
Chrysene-d12+
-Di-n-octylphthalate
-Benzo(a)pyrene
-Perylene-d12
-Indeno(1,2,3-cd)pyrene+
-Benzo(g,h,i)perylene
\\target1_ct\Files\chem\BNA\msx.i\X050257.b\X0265.D
Data File: \\target1_ct\Files\chem\BNA\msx.i\X050257.b\X0265.D
Date : 05-JUL-2005 14:03
Client ID: SSTD0.5/1.25
Sample Info: SSTD0.5/1.25
Volume Injected (uL): 1.0
Column phase: ZEBRON-5MS
Instrument: msx.i
Operator: d.may
Column diameter: 0.50

STL Connecticut

Semivolatile REPORT SW-846 Method 8270

Data file : \\target1_ct\Files\chem\BNA\msx.i\X050257.b\X0266.D
Lab Smp Id: SSTD1/2.5 Client Smp ID: SSTD1/2.5
Inj Date : 05-JUL-2005 14:26 MS Autotune Date: 15-JUN-2004 12:29
Operator : d.may Inst ID: msx.i
Smp Info : SSTD1/2.5
Misc Info : : ;50;0.500;
Comment :
Method : \\target1_ct\Files\chem\BNA\msx.i\X050257.b\zebron-1.m
Meth Date : 06-Jul-2005 12:45 dawn Quant Type: ISTD
Cal Date : 05-JUL-2005 14:26 Cal File: X0266.D
Als bottle: 28 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: std2.sub
Target Version: 4.10
Processing Host: CONSVOA

Concentration Formula:
Amt * DF * Uf * Vt/(Ws *Vi* ((100 - M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	10000.000	Volume of final extract (uL)(1000 low, 2
Ws	15.000	Weight of sample extracted (g)
Vi	1.000	InjectionVol
M	0.00000	% Moisture
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	4.172	4.172	(1.000)	161980	5.00000	
$	2 2-Fluorophenol	112	3.025	3.031	(0.725)	40204	1.00000	0.9
$	3 Phenol-d5	99	3.790	3.796	(0.908)	66443	1.00000	1.0
	4 Pyridine	52	2.202	2.190	(0.528)	47303	1.00000	1(M)
	5 N-Nitrosodimethylamine	42	2.184	2.184	(0.524)	20689	1.00000	1(M)
	6 Cyclohexanone	42	3.266	3.266	(0.783)	33581	1.00000	0.9
	128 Benzaldehyde	77	3.778	3.778	(0.906)	47305	1.00000	1
	9 bis(2-Chloroethyl)ether	63	3.913	3.919	(0.938)	51797	1.00000	1
	11 1,3-Dichlorobenzene	146	4.119	4.119	(0.987)	59950	1.00000	1.0
	12 1,4-Dichlorobenzene	146	4.190	4.190	(1.004)	60300	1.00000	1
	13 Benzyl alcohol	108	4.290	4.296	(1.028)	32561	1.00000	0.9
	14 1,2-Dichlorobenzene	146	4.337	4.337	(1.039)	57971	1.00000	1
	15 2,2'-oxybis(1-Chloropropane)	45	4.431	4.431	(1.062)	104523	1.00000	1.0
	92 Acetophenone	105	4.561	4.560	(1.093)	83562	1.00000	1
	17 Hexachloroethane	117	4.672	4.672	(1.120)	24915	1.00000	1.0
	18 N-Nitroso-di-n-propylamine	70	4.555	4.566	(1.092)	29458	1.00000	1.0
*	20 Naphthalene-d8	136	5.460	5.460	(1.000)	711289	5.00000	
$	21 Nitrobenzene-d5	82	4.708	4.713	(0.862)	59608	1.00000	1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
	22 Nitrobenzene	77	4.731	4.737	(0.866)	58053	1.00000	1.0
	23 Isophorone	82	4.972	4.978	(0.911)	116339	1.00000	1.0
	26 Benzoic Acid	122	5.119	5.225	(0.938)	23254	2.50000	2
	27 Bis(2-Chloroethoxy)methane	93	5.202	5.202	(0.953)	75552	1.00000	1.0
	29 1,2,4-Trichlorobenzene	180	5.396	5.402	(0.988)	44615	1.00000	1
	30 Naphthalene	128	5.484	5.484	(1.004)	172508	1.00000	1
	129 Caprolactam	113	5.872	5.925	(1.075)	12135	1.00000	1.0
	34 2-Methylnaphthalene	142	6.231	6.237	(1.141)	108712	1.00000	1
*	35 Acenaphthene-d10	164	7.384	7.384	(1.000)	361316	5.00000	
	39 2,4,5-Trichlorophenol	196	6.572	6.578	(0.890)	57206	2.50000	3
$	40 2-Fluorobiphenyl	172	6.637	6.643	(0.899)	108326	1.00000	1.0
	130 1,1'-Biphenyl	154	6.749	6.754	(0.914)	123534	1.00000	1.0
	41 2-Chloronaphthalene	162	6.766	6.772	(0.916)	97588	1.00000	1.0
	42 2-Nitroaniline	65	6.878	6.884	(0.931)	27651	1.00000	1.0
	43 Acenaphthylene	152	7.225	7.231	(0.978)	149207	1.00000	1
	44 Dimethylphthalate	163	7.090	7.102	(0.960)	108255	1.00000	1.0
	45 2,6-Dinitrotoluene	165	7.154	7.160	(0.969)	16915	1.00000	1.0
	46 Acenaphthene	153	7.419	7.425	(1.005)	99081	1.00000	1
	49 Dibenzofuran	168	7.613	7.619	(1.031)	138944	1.00000	1.0
	50 2,4-Dinitrotoluene	165	7.596	7.607	(1.029)	25539	1.00000	1
	51 4-Nitrophenol	109	7.513	7.531	(1.018)	25726	2.50000	3
	52 Fluorene	166	7.996	8.001	(1.083)	111311	1.00000	1
	53 4-Chlorophenyl-phenylether	204	8.007	8.007	(1.084)	47636	1.00000	1.0
	54 Diethylphthalate	149	7.884	7.896	(1.068)	110651	1.00000	1
	55 4-Nitroaniline	138	8.007	8.031	(1.084)	22610	1.00000	1
$	56 2,4,6-Tribromophenol	330	8.260	8.272	(1.119)	28719	2.50000	3
*	57 Phenanthrene-d10	188	9.031	9.037	(1.000)	550606	5.00000	
	59 N-Nitrosodiphenylamine (1)	169	8.137	8.143	(0.901)	80239	1.00000	1
	60 1,2-Diphenylhydrazine	77	8.184	8.190	(0.906)	139837	1.00000	1.0
	61 4-Bromophenyl-phenylether	248	8.554	8.560	(0.947)	26536	1.00000	1
	166 Prometon	58	8.672	8.684	(0.960)	3894	1.00000	0.9
	167 Simazine	201	8.701	8.713	(0.964)	2471	1.00000	1.0
	131 Atrazine	200	8.743	8.754	(0.968)	25164	1.00000	1.0
	62 Hexachlorobenzene	284	8.607	8.613	(0.953)	31495	1.00000	1
	64 Phenanthrene	178	9.054	9.060	(1.003)	160463	1.00000	1.0
	65 Carbazole	167	9.272	9.278	(1.027)	148394	1.00000	1
	66 Anthracene	178	9.107	9.113	(1.008)	151898	1.00000	1.0
	67 Di-n-butylphthalate	149	9.625	9.625	(1.066)	168027	1.00000	1.0
	68 Fluoranthene	202	10.166	10.172	(1.126)	141445	1.00000	1.0
*	70 Chrysene-d12	240	11.354	11.360	(1.000)	522657	5.00000	
	71 Benzidine	184	10.284	10.290	(0.906)	38721	1.00000	1
	72 Pyrene	202	10.360	10.366	(0.912)	162057	1.00000	1.0
$	73 Terphenyl-d14	244	10.495	10.495	(0.924)	100493	1.00000	1.0
	74 Butylbenzylphthalate	149	10.895	10.895	(0.960)	64073	1.00000	1.0
	124 3,3'-Dimethylbenzidine	212	10.884	10.884	(0.959)	35484	1.00000	1
	75 3,3'-Dichlorobenzidine	252	11.319	11.325	(0.997)	34023	1.00000	1
	76 Benzo(a)anthracene	228	11.348	11.348	(0.999)	142738	1.00000	1.0
	77 Chrysene	228	11.378	11.384	(1.002)	152488	1.00000	1
	78 Bis(2-Ethylhexyl)phthalate	149	11.354	11.354	(1.000)	85071	1.00000	0.9
*	79 Perylene-d12	264	12.519	12.519	(1.000)	503149	5.00000	
	80 Di-n-octylphthalate	149	11.854	11.860	(0.947)	96853	1.00000	0.9
	82 Benzo(k)fluoranthene	252	12.213	12.219	(0.976)	150366	1.00000	1
	83 Benzo(a)pyrene	252	12.466	12.472	(0.996)	104784	1.00000	1
	84 Indeno(1,2,3-cd)pyrene	276	13.607	13.619	(1.087)	111964	1.00000	1

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
85 Dibenzo(a,h)anthracene	278	13.619	13.630	(1.088)	82624	1.00000	1.0
86 Benzo(g,h,i)perylene	276	13.930	13.948	(1.113)	99648	1.00000	1.0

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target1_ct\Files\chem\BNA\msx.i\X050257.b\X0266.D
Date : 05-JUL-2005 14:26
Client ID: SSTD1/2.5
Sample Info: SSTD1/2.5
Volume Injected (uL): 1.0
Column phase: ZEBRON-5MS
Instrument: msx.i
Operator: d.may
Column diameter: 0.50
\\target1_ct\Files\chem\BNA\msx.i\X050257.b\X0266.D
Y (x10^6)
Min
-Pyridine+
-2-Fluorophenol
-Cyclohexanone
-Phenol-d5+
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-Isophorone
-2,4-Dichlorophenol
-Naphthalene-d8
-Hexachlorobutadiene
-Caprolactam
-4-Chloro-3-methylphenol
-Hexachlorocyclopentadiene
-2-Nitroaniline
-Dimethylphthalate
-3-Nitroaniline
-Acenaphthene-d10
-Dibenzofuran+
-Diethylphthalate
-2,4,6-Tribromophenol
-Atrazine
-Pentachlorophenol
-Phenanthrene-d10
-Carbazole
-Di-n-butylphthalate
-Fluoranthene
-Benzidine
-Pyrene
-Terphenyl-d14
-Butylbenzylphthalate+
-3,3'-Dichlorobenzidine
Chrysene-d12+
-Di-n-octylphthalate
-Benzo(a)pyrene
-Perylene-d12
-Indeno(1,2,3-cd)pyrene+
-Benzo(g,h,i)perylene

STL Connecticut

Semivolatile REPORT SW-846 Method 8270

Data file : \\target1_ct\Files\chem\BNA\msx.i\X050257.b\X0267.D
Lab Smp Id: SSTD4/10 Client Smp ID: SSTD4/10
Inj Date : 05-JUL-2005 14:49 MS Autotune Date: 15-JUN-2004 12:29
Operator : d.may Inst ID: msx.i
Smp Info : SSTD4/10
Misc Info : : ;50;0.500;
Comment :
Method : \\target1_ct\Files\chem\BNA\msx.i\X050257.b\zebron-1.m
Meth Date : 06-Jul-2005 12:45 dawn Quant Type: ISTD
Cal Date : 05-JUL-2005 14:49 Cal File: X0267.D
Als bottle: 29 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: std2.sub
Target Version: 4.10
Processing Host: CONSVOA

Concentration Formula:
Amt * DF * Uf * Vt/(Ws *Vi* ((100 - M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	10000.000	Volume of final extract (uL)(1000 low, 2
Ws	15.000	Weight of sample extracted (g)
Vi	1.000	InjectionVol
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.172	4.172	(1.000)	165132	5.00000	
$ 2 2-Fluorophenol	112	3.031	3.031	(0.727)	204955	4.00000	4
$ 3 Phenol-d5	99	3.790	3.796	(0.908)	288931	4.00000	4
4 Pyridine	52	2.190	2.190	(0.525)	173792	4.00000	4 (M)
5 N-Nitrosodimethylamine	42	2.184	2.184	(0.524)	77723	4.00000	4 (M)
6 Cyclohexanone	42	3.266	3.266	(0.783)	152797	4.00000	4
128 Benzaldehyde	77	3.778	3.778	(0.906)	196802	4.00000	4
7 Phenol	94	3.802	3.808	(0.911)	314362	4.00000	4
8 Aniline	93	3.866	3.866	(0.927)	408103	4.00000	4
9 bis(2-Chloroethyl)ether	63	3.913	3.919	(0.938)	202133	4.00000	4
10 2-Chlorophenol	128	3.972	3.972	(0.952)	227031	4.00000	4
11 1,3-Dichlorobenzene	146	4.119	4.119	(0.987)	245831	4.00000	4
12 1,4-Dichlorobenzene	146	4.190	4.190	(1.004)	244208	4.00000	4
13 Benzyl alcohol	108	4.290	4.296	(1.028)	147068	4.00000	4
14 1,2-Dichlorobenzene	146	4.337	4.337	(1.039)	230691	4.00000	4
15 2,2'-oxybis(1-Chloropropane)	45	4.431	4.431	(1.062)	427036	4.00000	4
16 2-Methylphenol	108	4.384	4.390	(1.051)	209337	4.00000	4
92 Acetophenone	105	4.560	4.560	(1.093)	328068	4.00000	4

		QUANT SIG					AMOUNTS CAL-AMT	ON-COL
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(NG)	(NG)
	17 Hexachloroethane	117	4.666	4.672	(1.118)	103786	4.00000	4
	18 N-Nitroso-di-n-propylamine	70	4.554	4.566	(1.092)	129853	4.00000	4
	19 4-Methylphenol	108	4.537	4.543	(1.087)	213719	4.00000	4
*	20 Naphthalene-d8	136	5.460	5.460	(1.000)	726189	5.00000	
$	21 Nitrobenzene-d5	82	4.713	4.713	(0.863)	253067	4.00000	4
	22 Nitrobenzene	77	4.731	4.737	(0.866)	250935	4.00000	4
	23 Isophorone	82	4.972	4.978	(0.911)	502269	4.00000	4
	24 2-Nitrophenol	139	5.054	5.060	(0.926)	100626	4.00000	4
	25 2,4-Dimethylphenol	122	5.090	5.090	(0.932)	183406	4.00000	4
	26 Benzoic Acid	122	5.160	5.225	(0.945)	165019	10.0000	15(H)
	27 Bis(2-Chloroethoxy)methane	93	5.201	5.202	(0.953)	311130	4.00000	4
	28 2,4-Dichlorophenol	162	5.301	5.302	(0.971)	158982	4.00000	4
	29 1,2,4-Trichlorobenzene	180	5.396	5.402	(0.988)	174712	4.00000	4
	30 Naphthalene	128	5.484	5.484	(1.004)	691179	4.00000	4
	31 4-Chloroaniline	127	5.537	5.537	(1.014)	274746	4.00000	4
	32 Hexachlorobutadiene	225	5.613	5.613	(1.028)	94692	4.00000	4
	129 Caprolactam	113	5.890	5.925	(1.079)	63872	4.00000	5
	33 4-Chloro-3-methylphenol	107	6.054	6.066	(1.109)	176427	4.00000	4
	34 2-Methylnaphthalene	142	6.231	6.237	(1.141)	436376	4.00000	4
*	35 Acenaphthene-d10	164	7.384	7.384	(1.000)	371503	5.00000	
	36 2,4,5-Trichlorotoluene	159	6.184	6.190	(1.482)	149797	4.00000	4
	37 Hexachlorocyclopentadiene	237	6.401	6.402	(0.867)	87381	4.00000	5
	38 2,4,6-Trichlorophenol	196	6.537	6.543	(0.885)	97959	4.00000	4
	39 2,4,5-Trichlorophenol	196	6.572	6.578	(0.890)	262444	10.0000	11
$	40 2-Fluorobiphenyl	172	6.637	6.643	(0.899)	441237	4.00000	4
	130 1,1'-Biphenyl	154	6.748	6.754	(0.914)	505787	4.00000	4
	41 2-Chloronaphthalene	162	6.766	6.772	(0.916)	400345	4.00000	4
	42 2-Nitroaniline	65	6.878	6.884	(0.931)	133172	4.00000	4
	43 Acenaphthylene	152	7.225	7.231	(0.978)	631025	4.00000	4
	44 Dimethylphthalate	163	7.090	7.102	(0.960)	461637	4.00000	4
	45 2,6-Dinitrotoluene	165	7.154	7.160	(0.969)	90435	4.00000	5
	46 Acenaphthene	153	7.419	7.425	(1.005)	401997	4.00000	4
	47 3-Nitroaniline	138	7.337	7.343	(0.994)	109016	4.00000	5
	48 2,4-Dinitrophenol	184	7.454	7.461	(1.010)	75723	10.0000	11
	49 Dibenzofuran	168	7.613	7.619	(1.031)	573638	4.00000	4
	50 2,4-Dinitrotoluene	165	7.601	7.607	(1.029)	127684	4.00000	5
	51 4-Nitrophenol	109	7.513	7.531	(1.018)	131755	10.0000	12
	52 Fluorene	166	7.995	8.001	(1.083)	458018	4.00000	4
	53 4-Chlorophenyl-phenylether	204	8.007	8.007	(1.084)	197371	4.00000	4
	54 Diethylphthalate	149	7.890	7.896	(1.069)	470724	4.00000	4
	55 4-Nitroaniline	138	8.013	8.031	(1.085)	107540	4.00000	4
$	56 2,4,6-Tribromophenol	330	8.266	8.272	(1.119)	128554	10.0000	11
*	57 Phenanthrene-d10	188	9.031	9.037	(1.000)	569069	5.00000	
	58 4,6-Dinitro-2-methylphenol	198	8.048	8.060	(0.891)	131073	10.0000	15
	59 N-Nitrosodiphenylamine (1)	169	8.137	8.143	(0.901)	338503	4.00000	4
	60 1,2-Diphenylhydrazine	77	8.184	8.190	(0.906)	602802	4.00000	4
	61 4-Bromophenyl-phenylether	248	8.554	8.560	(0.947)	112114	4.00000	4
	166 Prometon	58	8.678	8.684	(0.961)	21738	4.00000	5
	167 Simazine	201	8.701	8.713	(0.964)	12379	4.00000	5
	131 Atrazine	200	8.742	8.754	(0.968)	110853	4.00000	4
	62 Hexachlorobenzene	284	8.607	8.613	(0.953)	126313	4.00000	4
	63 Pentachlorophenol	266	8.825	8.831	(0.977)	143873	10.0000	12
	64 Phenanthrene	178	9.060	9.060	(1.003)	652962	4.00000	4
	65 Carbazole	167	9.272	9.278	(1.027)	607732	4.00000	4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
66	Anthracene	178	9.113	9.113	(1.009)	656710	4.00000	4
67	Di-n-butylphthalate	149	9.625	9.625	(1.066)	806730	4.00000	4
68	Fluoranthene	202	10.172	10.172	(1.126)	648800	4.00000	4
* 70	Chrysene-d12	240	11.354	11.360	(1.000)	549396	5.00000	
71	Benzidine	184	10.283	10.290	(0.906)	182925	4.00000	5
72	Pyrene	202	10.360	10.366	(0.912)	695362	4.00000	4
$ 73	Terphenyl-d14	244	10.495	10.495	(0.924)	460910	4.00000	4
74	Butylbenzylphthalate	149	10.895	10.895	(0.960)	342324	4.00000	5
124	3,3'-Dimethylbenzidine	212	10.883	10.884	(0.959)	182057	4.00000	5
75	3,3'-Dichlorobenzidine	252	11.319	11.325	(0.997)	177524	4.00000	5
76	Benzo(a)anthracene	228	11.342	11.348	(0.999)	646133	4.00000	4
77	Chrysene	228	11.372	11.384	(1.002)	619693	4.00000	4
78	Bis(2-Ethylhexyl)phthalate	149	11.348	11.354	(0.999)	452063	4.00000	5
* 79	Perylene-d12	264	12.507	12.519	(1.000)	556330	5.00000	
80	Di-n-octylphthalate	149	11.848	11.860	(0.947)	675067	4.00000	5
81	Benzo(b)fluoranthene	252	12.177	12.195	(0.974)	559495	4.00000	4
82	Benzo(k)fluoranthene	252	12.201	12.219	(0.976)	713112	4.00000	4
83	Benzo(a)pyrene	252	12.460	12.472	(0.996)	516956	4.00000	4
84	Indeno(1,2,3-cd)pyrene	276	13.595	13.619	(1.087)	588114	4.00000	5
85	Dibenzo(a,h)anthracene	278	13.607	13.630	(1.088)	464414	4.00000	5
86	Benzo(g,h,i)perylene	276	13.919	13.948	(1.113)	504042	4.00000	4

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\target1_ct\Files\chem\BNA\msx.i\X050257.b\X0267.D
Date : 05-JUL-2005 14:49
Client ID: SSTD4/10
Sample Info: SSTD4/10
Volume Injected (uL): 1.0
Column phase: ZEBRON-5MS
Instrument: msx.i
Operator: d.may
Column diameter: 0.50
\\target1_ct\Files\chem\BNA\msx.i\X050257.b\X0267.D
Y (x10^6)
Min
-2-Fluorophenol
-Cyclohexanone
-Phenol-d5+
-2-Chlorophenol
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-Benzyl alcohol
-4-Methylphenol+
-Isophorone
-2-Nitrophenol
-2,4-Dichlorophenol
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Caprolactam
-4-Chloro-3-methylphenol
-Hexachlorocyclopentadiene
-2-Fluorobiphenyl
-2-Nitroaniline
-Dimethylphthalate
-Acenaphthylene
-3-Nitroaniline
-Acenaphthene-d10
-Dibenzofuran+
-Diethylphthalate
-2,4,6-Tribromophenol
-4-Bromophenyl-phenylether
-Hexachlorobenzene
-Atrazine
-Pentachlorophenol
-Phenanthrene-d10
-Anthracene
-Carbazole
-Di-n-butylphthalate
-Fluoranthene
-Benzidine
-Pyrene
-Terphenyl-d14
-Butylbenzylphthalate+
-3,3'-Dichlorobenzidine
-Chrysene-d12+
-Di-n-octylphthalate
-Benzo(b)fluoranthene
-Benzo(k)fluoranthene
-Benzo(a)pyrene
-Perylene-d12
-Indeno(1,2,3-cd)pyrene+
-Benzo(g,h,i)perylene

STL Connecticut

Semivolatile REPORT SW-846 Method 8270

Data file : \\target1_ct\Files\chem\BNA\msx.i\X050257.b\X0268.D
Lab Smp Id: SSTD5/12.5 Client Smp ID: SSTD5/12.5
Inj Date : 05-JUL-2005 15:12 MS Autotune Date: 15-JUN-2004 12:29
Operator : d.may Inst ID: msx.i
Smp Info : SSTD5/12.5
Misc Info : : ;50;0.500;
Comment :
Method : \\target1_ct\Files\chem\BNA\msx.i\X050257.b\zebron-1.m
Meth Date : 06-Jul-2005 12:45 dawn Quant Type: ISTD
Cal Date : 05-JUL-2005 15:12 Cal File: X0268.D
Als bottle: 30 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: std2.sub
Target Version: 4.10
Processing Host: CONSVOA

Concentration Formula:
Amt * DF * Uf * Vt/(Ws *Vi* ((100 - M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	10000.000	Volume of final extract (uL)(1000 low, 2
Ws	15.000	Weight of sample extracted (g)
Vi	1.000	InjectionVol
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.172	4.172	(1.000)	165419	5.00000	
$ 2	2-Fluorophenol	112	3.031	3.031	(0.727)	251227	5.00000	5
$ 3	Phenol-d5	99	3.790	3.796	(0.908)	334224	5.00000	5
4	Pyridine	52	2.184	2.190	(0.524)	193385	5.00000	4 (M)
5	N-Nitrosodimethylamine	42	2.190	2.184	(0.525)	71121	5.00000	4 (M)
6	Cyclohexanone	42	3.266	3.266	(0.783)	191191	5.00000	5
128	Benzaldehyde	77	3.778	3.778	(0.906)	135966	5.00000	3
7	Phenol	94	3.802	3.808	(0.911)	347499	5.00000	5
8	Aniline	93	3.866	3.866	(0.927)	432139	5.00000	5
9	bis(2-Chloroethyl)ether	63	3.913	3.919	(0.938)	233523	5.00000	5
10	2-Chlorophenol	128	3.966	3.972	(0.951)	261802	5.00000	5
11	1,3-Dichlorobenzene	146	4.119	4.119	(0.987)	277913	5.00000	5
12	1,4-Dichlorobenzene	146	4.190	4.190	(1.004)	280265	5.00000	5
13	Benzyl alcohol	108	4.290	4.296	(1.028)	163304	5.00000	5
14	1,2-Dichlorobenzene	146	4.337	4.337	(1.039)	268833	5.00000	5
15	2,2'-oxybis(1-Chloropropane)	45	4.431	4.431	(1.062)	486200	5.00000	5
16	2-Methylphenol	108	4.384	4.390	(1.051)	240707	5.00000	5
92	Acetophenone	105	4.560	4.560	(1.093)	378438	5.00000	5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
	17 Hexachloroethane	117	4.666	4.672	(1.118)	119537	5.00000	5
	18 N-Nitroso-di-n-propylamine	70	4.554	4.566	(1.092)	145151	5.00000	5
	19 4-Methylphenol	108	4.537	4.543	(1.087)	246134	5.00000	5
*	20 Naphthalene-d8	136	5.460	5.460	(1.000)	725931	5.00000	
$	21 Nitrobenzene-d5	82	4.713	4.713	(0.863)	295388	5.00000	5
	22 Nitrobenzene	77	4.731	4.737	(0.866)	290519	5.00000	5
	23 Isophorone	82	4.972	4.978	(0.911)	569700	5.00000	5
	24 2-Nitrophenol	139	5.054	5.060	(0.926)	121450	5.00000	5
	25 2,4-Dimethylphenol	122	5.090	5.090	(0.932)	210527	5.00000	5
	26 Benzoic Acid	122	5.172	5.225	(0.947)	243421	12.5000	19 (MH)
	27 Bis(2-Chloroethoxy)methane	93	5.201	5.202	(0.953)	348525	5.00000	5
	28 2,4-Dichlorophenol	162	5.301	5.302	(0.971)	175098	5.00000	5
	29 1,2,4-Trichlorobenzene	180	5.396	5.402	(0.988)	200871	5.00000	5
	30 Naphthalene	128	5.484	5.484	(1.004)	789237	5.00000	5
	31 4-Chloroaniline	127	5.537	5.537	(1.014)	309613	5.00000	5
	32 Hexachlorobutadiene	225	5.613	5.613	(1.028)	110022	5.00000	5
	129 Caprolactam	113	5.890	5.925	(1.079)	74893	5.00000	5
	33 4-Chloro-3-methylphenol	107	6.054	6.066	(1.109)	198824	5.00000	5
	34 2-Methylnaphthalene	142	6.231	6.237	(1.141)	494576	5.00000	5
*	35 Acenaphthene-d10	164	7.384	7.384	(1.000)	370575	5.00000	
	36 2,4,5-Trichlorotoluene	159	6.184	6.190	(1.482)	193049	5.00000	5
	37 Hexachlorocyclopentadiene	237	6.401	6.402	(0.867)	98269	5.00000	5
	38 2,4,6-Trichlorophenol	196	6.537	6.543	(0.885)	115769	5.00000	5
	39 2,4,5-Trichlorophenol	196	6.572	6.578	(0.890)	309961	12.5000	13
$	40 2-Fluorobiphenyl	172	6.637	6.643	(0.899)	501600	5.00000	5
	130 1,1'-Biphenyl	154	6.748	6.754	(0.914)	576231	5.00000	5
	41 2-Chloronaphthalene	162	6.766	6.772	(0.916)	452169	5.00000	5
	42 2-Nitroaniline	65	6.878	6.884	(0.931)	158943	5.00000	5
	43 Acenaphthylene	152	7.225	7.231	(0.978)	728616	5.00000	5
	44 Dimethylphthalate	163	7.090	7.102	(0.960)	518316	5.00000	5
	45 2,6-Dinitrotoluene	165	7.154	7.160	(0.969)	102005	5.00000	5
	46 Acenaphthene	153	7.419	7.425	(1.005)	446077	5.00000	5
	47 3-Nitroaniline	138	7.337	7.343	(0.994)	128171	5.00000	5
	48 2,4-Dinitrophenol	184	7.454	7.461	(1.010)	97136	12.5000	14
	49 Dibenzofuran	168	7.613	7.619	(1.031)	642844	5.00000	5
	50 2,4-Dinitrotoluene	165	7.601	7.607	(1.029)	145457	5.00000	5
	51 4-Nitrophenol	109	7.519	7.531	(1.018)	153970	12.5000	13
	52 Fluorene	166	7.995	8.001	(1.083)	514516	5.00000	5
	53 4-Chlorophenyl-phenylether	204	8.007	8.007	(1.084)	221949	5.00000	5
	54 Diethylphthalate	149	7.890	7.896	(1.069)	530067	5.00000	5
	55 4-Nitroaniline	138	8.013	8.031	(1.085)	119212	5.00000	5
$	56 2,4,6-Tribromophenol	330	8.266	8.272	(1.119)	154983	12.5000	13
*	57 Phenanthrene-d10	188	9.031	9.037	(1.000)	569594	5.00000	
	58 4,6-Dinitro-2-methylphenol	198	8.054	8.060	(0.892)	158817	12.5000	16
	59 N-Nitrosodiphenylamine (1)	169	8.137	8.143	(0.901)	379477	5.00000	5
	60 1,2-Diphenylhydrazine	77	8.184	8.190	(0.906)	687304	5.00000	5
	61 4-Bromophenyl-phenylether	248	8.554	8.560	(0.947)	128824	5.00000	5
	166 Prometon	58	8.678	8.684	(0.961)	25189	5.00000	5
	167 Simazine	201	8.701	8.713	(0.964)	12843	5.00000	5
	131 Atrazine	200	8.742	8.754	(0.968)	129130	5.00000	5
	62 Hexachlorobenzene	284	8.607	8.613	(0.953)	143355	5.00000	5
	63 Pentachlorophenol	266	8.825	8.831	(0.977)	167863	12.5000	13
	64 Phenanthrene	178	9.060	9.060	(1.003)	731749	5.00000	5
	65 Carbazole	167	9.272	9.278	(1.027)	670159	5.00000	5

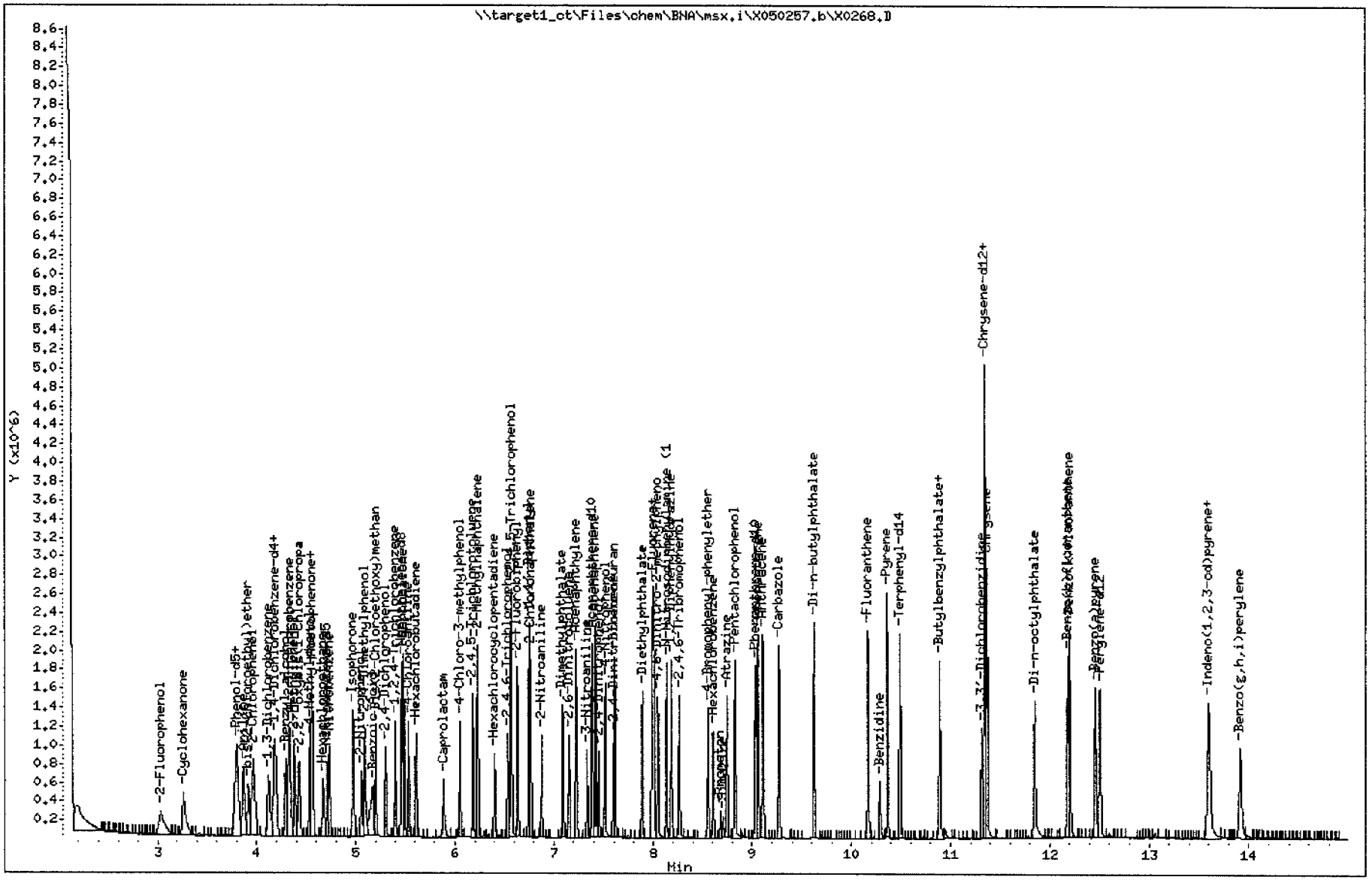
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
66	Anthracene	178	9.113	9.113	(1.009)	744910	5.00000	5
67	Di-n-butylphthalate	149	9.625	9.625	(1.066)	913029	5.00000	5
68	Fluoranthene	202	10.172	10.172	(1.126)	722217	5.00000	5
* 70	Chrysene-d12	240	11.348	11.360	(1.000)	560260	5.00000	
71	Benzidine	184	10.283	10.290	(0.906)	171227	5.00000	4
72	Pyrene	202	10.360	10.366	(0.913)	776014	5.00000	5
$ 73	Terphenyl-d14	244	10.495	10.495	(0.925)	509328	5.00000	5
74	Butylbenzylphthalate	149	10.895	10.895	(0.960)	381155	5.00000	5
124	3,3'-Dimethylbenzidine	212	10.883	10.884	(0.959)	161027	5.00000	4
75	3,3'-Dichlorobenzidine	252	11.319	11.325	(0.997)	215120	5.00000	6
76	Benzo(a)anthracene	228	11.342	11.348	(0.999)	731271	5.00000	5
77	Chrysene	228	11.372	11.384	(1.002)	702419	5.00000	5
78	Bis(2-Ethylhexyl)phthalate	149	11.348	11.354	(1.000)	521385	5.00000	5
* 79	Perylene-d12	264	12.507	12.519	(1.000)	555892	5.00000	
80	Di-n-octylphthalate	149	11.848	11.860	(0.947)	776040	5.00000	6
81	Benzo(b)fluoranthene	252	12.177	12.195	(0.974)	645323	5.00000	5
82	Benzo(k)fluoranthene	252	12.201	12.219	(0.976)	807067	5.00000	5
83	Benzo(a)pyrene	252	12.454	12.472	(0.996)	607816	5.00000	5
84	Indeno(1,2,3-cd)pyrene	276	13.595	13.619	(1.087)	650342	5.00000	5
85	Dibenzo(a,h)anthracene	278	13.607	13.630	(1.088)	546830	5.00000	5
86	Benzo(g,h,i)perylene	276	13.919	13.948	(1.113)	573415	5.00000	5

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\target1_ct\Files\chem\BNA\msx.i\X050257.b\X0268.D
Date : 05-JUL-2005 15:12
Client ID: SSTD5/12.5
Sample Info: SSTD5/12.5
Volume Injected (uL): 1.0
Column phase: ZEBRON-5MS

Instrument: msx.i
Operator: d.may
Column diameter: 0.50



STL Connecticut

Semivolatile REPORT SW-846 Method 8270

Data file : \\target1_ct\Files\chem\BNA\msx.i\X050257.b\X0269.D
Lab Smp Id: SSTD10/25 Client Smp ID: SSTD10/25
Inj Date : 05-JUL-2005 15:35 MS Autotune Date: 15-JUN-2004 12:29
Operator : d.may Inst ID: msx.i
Smp Info : SSTD10/25
Misc Info : : ;50;0.500;
Comment :
Method : \\target1_ct\Files\chem\BNA\msx.i\X050257.b\zebron-1.m
Meth Date : 06-Jul-2005 12:45 dawn Quant Type: ISTD
Cal Date : 05-JUL-2005 15:35 Cal File: X0269.D
Als bottle: 31 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: std2.sub
Target Version: 4.10
Processing Host: CONSVOA

Concentration Formula:
Amt * DF * Uf * Vt/(Ws *Vi* ((100 - M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	10000.000	Volume of final extract (uL)(1000 low, 2
Ws	15.000	Weight of sample extracted (g)
Vi	1.000	InjectionVol
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.172	4.172	(1.000)	160427	5.00000	
$ 2	2-Fluorophenol	112	3.031	3.031	(0.727)	516015	10.0000	11
$ 3	Phenol-d5	99	3.796	3.796	(0.910)	680314	10.0000	10
4	Pyridine	52	2.196	2.190	(0.526)	306209	10.0000	8
5	N-Nitrosodimethylamine	42	2.184	2.184	(0.524)	169260	10.0000	10(M)
6	Cyclohexanone	42	3.266	3.266	(0.783)	383101	10.0000	10
128	Benzaldehyde	77	3.778	3.778	(0.906)	266909	10.0000	7
7	Phenol	94	3.807	3.808	(0.913)	715069	10.0000	10
8	Aniline	93	3.866	3.866	(0.927)	917337	10.0000	10
9	bis(2-Chloroethyl)ether	63	3.913	3.919	(0.938)	477665	10.0000	10
10	2-Chlorophenol	128	3.972	3.972	(0.952)	523432	10.0000	10
11	1,3-Dichlorobenzene	146	4.119	4.119	(0.987)	560632	10.0000	10
12	1,4-Dichlorobenzene	146	4.190	4.190	(1.004)	563870	10.0000	10
13	Benzyl alcohol	108	4.290	4.296	(1.028)	345726	10.0000	10
14	1,2-Dichlorobenzene	146	4.337	4.337	(1.039)	522390	10.0000	9
15	2,2'-oxybis(1-Chloropropane)	45	4.431	4.431	(1.062)	968374	10.0000	10
16	2-Methylphenol	108	4.384	4.390	(1.051)	491557	10.0000	10
92	Acetophenone	105	4.560	4.560	(1.093)	752110	10.0000	10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
	17 Hexachloroethane	117	4.672	4.672	(1.120)	240430	10.0000	10
	18 N-Nitroso-di-n-propylamine	70	4.560	4.566	(1.093)	297667	10.0000	10
	19 4-Methylphenol	108	4.537	4.543	(1.087)	506673	10.0000	10
*	20 Naphthalene-d8	136	5.460	5.460	(1.000)	713214	5.00000	
$	21 Nitrobenzene-d5	82	4.713	4.713	(0.863)	599171	10.0000	10
	22 Nitrobenzene	77	4.731	4.737	(0.866)	591311	10.0000	10
	23 Isophorone	82	4.978	4.978	(0.912)	1174753	10.0000	10
	24 2-Nitrophenol	139	5.054	5.060	(0.926)	250883	10.0000	11
	25 2,4-Dimethylphenol	122	5.090	5.090	(0.932)	427156	10.0000	10
	26 Benzoic Acid	122	5.207	5.225	(0.954)	574075	25.0000	40
	27 Bis(2-Chloroethoxy)methane	93	5.201	5.202	(0.953)	697054	10.0000	9
	28 2,4-Dichlorophenol	162	5.301	5.302	(0.971)	370877	10.0000	10
	29 1,2,4-Trichlorobenzene	180	5.395	5.402	(0.988)	396598	10.0000	9
	30 Naphthalene	128	5.484	5.484	(1.004)	1552086	10.0000	9
	31 4-Chloroaniline	127	5.537	5.537	(1.014)	641798	10.0000	10
	32 Hexachlorobutadiene	225	5.613	5.613	(1.028)	214846	10.0000	10
	129 Caprolactam	113	5.901	5.925	(1.081)	100055	10.0000	8
	33 4-Chloro-3-methylphenol	107	6.054	6.066	(1.109)	421569	10.0000	11
	34 2-Methylnaphthalene	142	6.231	6.237	(1.141)	993566	10.0000	10
*	35 Acenaphthene-d10	164	7.384	7.384	(1.000)	373047	5.00000	
	36 2,4,5-Trichlorotoluene	159	6.184	6.190	(1.482)	378676	10.0000	10
	37 Hexachlorocyclopentadiene	237	6.401	6.402	(0.867)	215604	10.0000	11
	38 2,4,6-Trichlorophenol	196	6.537	6.543	(0.885)	245144	10.0000	10
	39 2,4,5-Trichlorophenol	196	6.572	6.578	(0.890)	603213	25.0000	25
$	40 2-Fluorobiphenyl	172	6.642	6.643	(0.900)	1010748	10.0000	9
	130 1,1'-Biphenyl	154	6.748	6.754	(0.914)	1147265	10.0000	9
	41 2-Chloronaphthalene	162	6.766	6.772	(0.916)	904586	10.0000	9
	42 2-Nitroaniline	65	6.878	6.884	(0.931)	334930	10.0000	11
	43 Acenaphthylene	152	7.225	7.231	(0.978)	1457236	10.0000	10
	44 Dimethylphthalate	163	7.095	7.102	(0.961)	1042055	10.0000	9
	45 2,6-Dinitrotoluene	165	7.154	7.160	(0.969)	216342	10.0000	11
	46 Acenaphthene	153	7.419	7.425	(1.005)	885252	10.0000	9
	47 3-Nitroaniline	138	7.336	7.343	(0.994)	256491	10.0000	10
	48 2,4-Dinitrophenol	184	7.454	7.461	(1.010)	243622	25.0000	32
	49 Dibenzofuran	168	7.619	7.619	(1.032)	1287136	10.0000	9
	50 2,4-Dinitrotoluene	165	7.601	7.607	(1.029)	303279	10.0000	11
	51 4-Nitrophenol	109	7.525	7.531	(1.019)	317861	25.0000	27
	52 Fluorene	166	8.001	8.001	(1.084)	1018235	10.0000	9
	53 4-Chlorophenyl-phenylether	204	8.007	8.007	(1.084)	434751	10.0000	9
	54 Diethylphthalate	149	7.895	7.896	(1.069)	1083401	10.0000	10
	55 4-Nitroaniline	138	8.025	8.031	(1.087)	251837	10.0000	10
$	56 2,4,6-Tribromophenol	330	8.266	8.272	(1.119)	328103	25.0000	27
*	57 Phenanthrene-d10	188	9.036	9.037	(1.000)	558701	5.00000	
	58 4,6-Dinitro-2-methylphenol	198	8.054	8.060	(0.891)	384460	25.0000	37
	59 N-Nitrosodiphenylamine (1)	169	8.136	8.143	(0.900)	761017	10.0000	10
	60 1,2-Diphenylhydrazine	77	8.183	8.190	(0.906)	1386655	10.0000	10
	61 4-Bromophenyl-phenylether	248	8.554	8.560	(0.947)	257078	10.0000	10
	166 Prometon	58	8.678	8.684	(0.960)	60079	10.0000	12
	167 Simazine	201	8.707	8.713	(0.964)	27268	10.0000	10
	131 Atrazine	200	8.748	8.754	(0.968)	250868	10.0000	10
	62 Hexachlorobenzene	284	8.607	8.613	(0.952)	278931	10.0000	9
	63 Pentachlorophenol	266	8.831	8.831	(0.977)	358917	25.0000	28
	64 Phenanthrene	178	9.060	9.060	(1.003)	1452027	10.0000	9
	65 Carbazole	167	9.278	9.278	(1.027)	1260513	10.0000	9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
	66 Anthracene	178	9.113	9.113	(1.008)	1484538	10.0000	10
	67 Di-n-butylphthalate	149	9.625	9.625	(1.065)	1884960	10.0000	10
	68 Fluoranthene	202	10.172	10.172	(1.126)	1455825	10.0000	10
*	70 Chrysene-d12	240	11.360	11.360	(1.000)	531331	5.00000	
	71 Benzidine	184	10.289	10.290	(0.906)	416112	10.0000	11
	72 Pyrene	202	10.366	10.366	(0.912)	1561829	10.0000	10
$	73 Terphenyl-d14	244	10.495	10.495	(0.924)	1002826	10.0000	10
	74 Butylbenzylphthalate	149	10.895	10.895	(0.959)	809275	10.0000	11
	124 3,3'-Dimethylbenzidine	212	10.883	10.884	(0.958)	377679	10.0000	10
	75 3,3'-Dichlorobenzidine	252	11.324	11.325	(0.997)	461585	10.0000	12
	76 Benzo(a)anthracene	228	11.354	11.348	(0.999)	1421614	10.0000	10
	77 Chrysene	228	11.383	11.384	(1.002)	1342904	10.0000	9
	78 Bis(2-Ethylhexyl)phthalate	149	11.354	11.354	(0.999)	1069204	10.0000	11
*	79 Perylene-d12	264	12.519	12.519	(1.000)	567811	5.00000	
	80 Di-n-octylphthalate	149	11.860	11.860	(0.947)	1791761	10.0000	12
	81 Benzo(b)fluoranthene	252	12.195	12.195	(0.974)	1388470	10.0000	10
	82 Benzo(k)fluoranthene	252	12.219	12.219	(0.976)	1589914	10.0000	9
	83 Benzo(a)pyrene	252	12.477	12.472	(0.997)	1263690	10.0000	10
	84 Indeno(1,2,3-cd)pyrene	276	13.618	13.619	(1.088)	1465485	10.0000	11
	85 Dibenzo(a,h)anthracene	278	13.630	13.630	(1.089)	1200936	10.0000	11
	86 Benzo(g,h,i)perylene	276	13.942	13.948	(1.114)	1256351	10.0000	11

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target1_ct\Files\chem\BNA\msx.i\X050257.b\X0269.D
Date : 05-JUL-2005 15:35
Client ID: SSTD10/25
Sample Info: SSTD10/25
Volume Injected (uL): 1.0
Column phase: ZEBRON-5MS
Instrument: msx.i
Operator: d.may
Column diameter: 0.50
\\target1_ct\Files\chem\BNA\msx.i\X050257.b\X0269.D
Y (x10^7)
Min
-2-Fluorophenol
-Cyclohexanone
-Phenol-d5+
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-Hexachloroethane-d5
-Isophorone
-Benzoic Acid+
-2,4-Dichlorophenol
-Hexachlorobutadiene
-Caprolactam
-4-Chloro-3-methylphenol
-Hexachlorocyclopentadiene
-2-Nitroaniline
-Dimethylphthalate
-Dibenzofuran+
-Diethylphthalate
-2,4,6-Tribromophenol
-Hexachlorobenzene
-Atrazine
-Pentachlorophenol
-Phenanthrene
-Carbazole
-Di-n-butylphthalate
-Fluoranthene
-Benzidine
-Pyrene
-Terphenyl-d14
-Butylbenzylphthalate+
-Chrysene
-Chrysene-d12+
-Di-n-octylphthalate
-Benzo(a)pyrene
-Indeno(1,2,3-cd)pyrene+
-Benzo(g,h,i)perylene

STL Connecticut

Semivolatile REPORT SW-846 Method 8270

Data file : \\target1_ct\Files\chem\BNA\msx.i\X050257.b\X0270.D
Lab Smp Id: SSTD20/30 Client Smp ID: SSTD20/30
Inj Date : 05-JUL-2005 15:58 MS Autotune Date: 15-JUN-2004 12:29
Operator : d.may Inst ID: msx.i
Smp Info : SSTD20/30
Misc Info : : ;50;0.500;
Comment :
Method : \\target1_ct\Files\chem\BNA\msx.i\X050257.b\zebron-1.m
Meth Date : 06-Jul-2005 12:45 dawn Quant Type: ISTD
Cal Date : 05-JUL-2005 15:58 Cal File: X0270.D
Als bottle: 32 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: std2.sub
Target Version: 4.10
Processing Host: CONSVOA

Concentration Formula:
Amt * DF * Uf * Vt/(Ws *Vi* ((100 - M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	10000.000	Volume of final extract (uL)(1000 low, 2
Ws	15.000	Weight of sample extracted (g)
Vi	1.000	InjectionVol
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
*	1 1,4-Dichlorobenzene-d4	152	4.172	4.172	(1.000)	162864	5.00000		
$	2 2-Fluorophenol	112	3.031	3.031	(0.727)	1045036	20.0000	21	
$	3 Phenol-d5	99	3.796	3.796	(0.910)	1366226	20.0000	20	
	4 Pyridine	52	2.190	2.190	(0.525)	883986	20.0000	21	(M)
	5 N-Nitrosodimethylamine	42	2.184	2.184	(0.524)	393513	20.0000	23	(M)
	6 Cyclohexanone	42	3.266	3.266	(0.783)	743897	20.0000	20	
	128 Benzaldehyde	77	3.778	3.778	(0.906)	709998	20.0000	17	
	7 Phenol	94	3.808	3.808	(0.913)	1440111	20.0000	20	
	8 Aniline	93	3.866	3.866	(0.927)	1804119	20.0000	19	
	9 bis(2-Chloroethyl)ether	63	3.919	3.919	(0.939)	953884	20.0000	19	
	10 2-Chlorophenol	128	3.972	3.972	(0.952)	1066711	20.0000	20	
	11 1,3-Dichlorobenzene	146	4.119	4.119	(0.987)	1126352	20.0000	19	
	12 1,4-Dichlorobenzene	146	4.190	4.190	(1.004)	1118105	20.0000	19	
	13 Benzyl alcohol	108	4.296	4.296	(1.030)	692577	20.0000	20	
	14 1,2-Dichlorobenzene	146	4.337	4.337	(1.039)	1041779	20.0000	19	
	15 2,2'-oxybis(1-Chloropropane)	45	4.431	4.431	(1.062)	1936238	20.0000	19	
	16 2-Methylphenol	108	4.390	4.390	(1.052)	992032	20.0000	20	
	92 Acetophenone	105	4.560	4.560	(1.093)	1473345	20.0000	18	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
	17 Hexachloroethane	117	4.672	4.672	(1.120)	481966	20.0000	19
	18 N-Nitroso-di-n-propylamine	70	4.566	4.566	(1.094)	589686	20.0000	20
	19 4-Methylphenol	108	4.543	4.543	(1.089)	1015522	20.0000	20
*	20 Naphthalene-d8	136	5.460	5.460	(1.000)	718894	5.00000	
$	21 Nitrobenzene-d5	82	4.713	4.713	(0.863)	1213390	20.0000	20
	22 Nitrobenzene	77	4.737	4.737	(0.868)	1216731	20.0000	20
	23 Isophorone	82	4.978	4.978	(0.912)	2327064	20.0000	20
	24 2-Nitrophenol	139	5.060	5.060	(0.927)	525260	20.0000	22
	25 2,4-Dimethylphenol	122	5.090	5.090	(0.932)	843803	20.0000	20
	26 Benzoic Acid	122	5.225	5.225	(0.957)	686805	30.0000	44
	27 Bis(2-Chloroethoxy)methane	93	5.202	5.202	(0.953)	1371599	20.0000	19
	28 2,4-Dichlorophenol	162	5.302	5.302	(0.971)	751547	20.0000	21
	29 1,2,4-Trichlorobenzene	180	5.402	5.402	(0.989)	785358	20.0000	19
	30 Naphthalene	128	5.484	5.484	(1.004)	3069423	20.0000	19
	31 4-Chloroaniline	127	5.537	5.537	(1.014)	1255282	20.0000	19
	32 Hexachlorobutadiene	225	5.613	5.613	(1.028)	422995	20.0000	19
	129 Caprolactam	113	5.925	5.925	(1.085)	270011	20.0000	21
	33 4-Chloro-3-methylphenol	107	6.066	6.066	(1.111)	854655	20.0000	21
	34 2-Methylnaphthalene	142	6.237	6.237	(1.142)	1927530	20.0000	19
*	35 Acenaphthene-d10	164	7.384	7.384	(1.000)	383533	5.00000	
	36 2,4,5-Trichlorotoluene	159	6.190	6.190	(1.483)	737081	20.0000	19
	37 Hexachlorocyclopentadiene	237	6.402	6.402	(0.867)	448901	20.0000	22
	38 2,4,6-Trichlorophenol	196	6.543	6.543	(0.886)	503344	20.0000	21
	39 2,4,5-Trichlorophenol	196	6.578	6.578	(0.891)	783672	30.0000	31
$	40 2-Fluorobiphenyl	172	6.643	6.643	(0.900)	1947039	20.0000	18
	130 1,1'-Biphenyl	154	6.754	6.754	(0.915)	2187348	20.0000	17
	41 2-Chloronaphthalene	162	6.772	6.772	(0.917)	1746135	20.0000	18
	42 2-Nitroaniline	65	6.884	6.884	(0.932)	676601	20.0000	21
	43 Acenaphthylene	152	7.231	7.231	(0.979)	2880004	20.0000	19
	44 Dimethylphthalate	163	7.102	7.102	(0.962)	2087995	20.0000	19
	45 2,6-Dinitrotoluene	165	7.160	7.160	(0.970)	455688	20.0000	22
	46 Acenaphthene	153	7.425	7.425	(1.006)	1729252	20.0000	18
	47 3-Nitroaniline	138	7.343	7.343	(0.994)	528441	20.0000	21
	48 2,4-Dinitrophenol	184	7.460	7.461	(1.010)	325885	30.0000	38
	49 Dibenzofuran	168	7.619	7.619	(1.032)	2501733	20.0000	18
	50 2,4-Dinitrotoluene	165	7.607	7.607	(1.030)	603551	20.0000	21
	51 4-Nitrophenol	109	7.531	7.531	(1.020)	401437	30.0000	33
	52 Fluorene	166	8.001	8.001	(1.084)	1937466	20.0000	17
	53 4-Chlorophenyl-phenylether	204	8.007	8.007	(1.084)	828728	20.0000	17
	54 Diethylphthalate	149	7.896	7.896	(1.069)	2154021	20.0000	19
	55 4-Nitroaniline	138	8.031	8.031	(1.088)	476219	20.0000	19
$	56 2,4,6-Tribromophenol	330	8.272	8.272	(1.120)	396570	30.0000	31
*	57 Phenanthrene-d10	188	9.037	9.037	(1.000)	580513	5.00000	
	58 4,6-Dinitro-2-methylphenol	198	8.060	8.060	(0.892)	463665	30.0000	40
	59 N-Nitrosodiphenylamine (1)	169	8.143	8.143	(0.901)	1499218	20.0000	19
	60 1,2-Diphenylhydrazine	77	8.190	8.190	(0.906)	2749325	20.0000	19
	61 4-Bromophenyl-phenylether	248	8.560	8.560	(0.947)	522047	20.0000	19
	166 Prometon	58	8.684	8.684	(0.961)	128690	20.0000	25(A)
	167 Simazine	201	8.713	8.713	(0.964)	58522	20.0000	21
	131 Atrazine	200	8.754	8.754	(0.969)	504378	20.0000	19
	62 Hexachlorobenzene	284	8.613	8.613	(0.953)	554995	20.0000	18
	63 Pentachlorophenol	266	8.831	8.831	(0.977)	454531	30.0000	34
	64 Phenanthrene	178	9.060	9.060	(1.003)	2819487	20.0000	18
	65 Carbazole	167	9.278	9.278	(1.027)	2410809	20.0000	17

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
66	Anthracene	178	9.113	9.113	(1.008)	2876274	20.0000	18
67	Di-n-butylphthalate	149	9.625	9.625	(1.065)	3718256	20.0000	20
68	Fluoranthene	202	10.172	10.172	(1.126)	2843099	20.0000	19
* 70	Chrysene-d12	240	11.360	11.360	(1.000)	527928	5.00000	
71	Benzidine	184	10.290	10.290	(0.906)	860149	20.0000	22
72	Pyrene	202	10.366	10.366	(0.912)	3025940	20.0000	19
$ 73	Terphenyl-d14	244	10.495	10.495	(0.924)	1991676	20.0000	19
74	Butylbenzylphthalate	149	10.895	10.895	(0.959)	1598558	20.0000	22
124	3,3'-Dimethylbenzidine	212	10.884	10.884	(0.958)	823301	20.0000	22
75	3,3'-Dichlorobenzidine	252	11.325	11.325	(0.997)	971525	20.0000	24
76	Benzo(a)anthracene	228	11.348	11.348	(0.999)	2776878	20.0000	19
77	Chrysene	228	11.384	11.384	(1.002)	2692215	20.0000	19
78	Bis(2-Ethylhexyl)phthalate	149	11.354	11.354	(0.999)	1994794	20.0000	20
* 79	Perylene-d12	264	12.519	12.519	(1.000)	595810	5.00000	
80	Di-n-octylphthalate	149	11.860	11.860	(0.947)	3869443	20.0000	24
81	Benzo(b)fluoranthene	252	12.195	12.195	(0.974)	3026800	20.0000	21
82	Benzo(k)fluoranthene	252	12.219	12.219	(0.976)	3010646	20.0000	17
83	Benzo(a)pyrene	252	12.472	12.472	(0.996)	2662200	20.0000	21
84	Indeno(1,2,3-cd)pyrene	276	13.619	13.619	(1.088)	3108029	20.0000	22
85	Dibenzo(a,h)anthracene	278	13.630	13.630	(1.089)	2544671	20.0000	22
86	Benzo(g,h,i)perylene	276	13.948	13.948	(1.114)	2669797	20.0000	21

QC Flag Legend

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

Data File: \\target1_ct\Files\chem\BNA\msx.i\X050257.b\X0270.D
Date : 05-JUL-2005 15:58
Client ID: SSTD20/30
Sample Info: SSTD20/30
Volume Injected (uL): 1.0
Column phase: ZEBRON-5MS
Instrument: msx.i
Operator: d.may
Column diameter: 0.50
\\target1_ct\Files\chem\BNA\msx.i\X050257.b\X0270.D
Y (x10^7)
Min
-2-Fluorophenol
-Cyclohexanone
-Phenol-d5+
-Isophorone
-Benzoic Acid+
-Caprolactam
-4-Chloro-3-methylphenol
-Hexachlorocyclopentadiene
-2-Nitroaniline
-Dimethylphthalate
-Acenaphthylene
-Acenaphthene
-Dibenzofuran+
-Diethylphthalate
-Fluorene+
-2,4,6-Tribromophenol
-Hexachlorobenzene
-Atrazine
-Pentachlorophenol
-Phenanthrene
-Carbazole
-Di-n-butylphthalate
-Fluoranthene
-Benzidine
-Pyrene
-Terphenyl-d14
-Butylbenzylphthalate+
-Chrysene-d12+
-Di-n-octylphthalate
-Benzo(a)pyrene
-Indeno(1,2,3-cd)pyrene+
-Benzo(g,h,i)perylene

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSU Calibration Date: 07/07/05 Time: 1105

Lab File ID: U9623 Init. Calib. Date(s): 07/06/05 07/06/05

Init. Calib. Times: 1148 1413

GC Column: RTX-5 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF40	MIN RRF	%D	MAX %D
Pyridine	0.492	0.613	0.01	24.6	50.0
N-Nitrosodimethylamine	0.396	0.362	0.01	8.6	50.0
Cyclohexanone	0.438	0.444	0.01	1.4	50.0
Phenol	1.644	1.695	0.01	3.1	20.0
Aniline	2.009	2.068	0.01	2.9	50.0
bis(2-Chloroethyl)ether	0.798	0.806	0.01	1.0	50.0
2-Chlorophenol	1.356	1.454	0.01	7.2	50.0
1,3-Dichlorobenzene	1.593	1.596	0.01	0.2	50.0
1,4-Dichlorobenzene	1.622	1.638	0.01	1.0	20.0
Benzyl alcohol	0.803	0.799	0.01	0.5	50.0
1,2-Dichlorobenzene	1.501	1.611	0.01	7.3	50.0
2,2'-oxybis(1-Chloropropane)	1.234	1.318	0.01	6.8	50.0
2-Methylphenol	1.233	1.282	0.01	4.0	50.0
Hexachloroethane	0.678	0.689	0.01	1.6	50.0
N-Nitroso-di-n-propylamine	0.937	0.959	0.05	2.3	50.0
4-Methylphenol	1.355	1.344	0.01	0.8	50.0
Nitrobenzene	0.318	0.302	0.01	5.0	50.0
Isophorone	0.582	0.535	0.01	8.1	50.0
2-Nitrophenol	0.172	0.177	0.01	2.9	20.0
2,4-Dimethylphenol	0.274	0.255	0.01	6.9	50.0
Benzoic Acid	0.156	0.192	0.01	23.1	100
Bis(2-Chloroethoxy)methane	0.380	0.372	0.01	2.1	50.0
2,4-Dichlorophenol	0.282	0.290	0.01	2.8	20.0
1,2,4-Trichlorobenzene	0.336	0.339	0.01	0.9	50.0
Naphthalene	0.999	1.016	0.01	1.7	50.0
4-Chloroaniline	0.416	0.413	0.01	0.7	50.0
Hexachlorobutadiene	0.198	0.204	0.01	3.0	20.0
4-Chloro-3-methylphenol	0.313	0.311	0.01	0.6	20.0
2-Methylnaphthalene	0.745	0.729	0.01	2.1	50.0
2,4,5-Trichlorotoluene	1.385	1.462	0.01	5.6	50.0
Hexachlorocyclopentadiene	0.301	0.319	0.05	6.0	50.0
2,4,6-Trichlorophenol	0.335	0.326	0.01	2.7	20.0
2,4,5-Trichlorophenol	0.363	0.356	0.01	1.9	50.0
2-Chloronaphthalene	1.097	1.029	0.01	6.2	50.0
2-Nitroaniline	0.300	0.264	0.01	12.0	50.0
Acenaphthylene	1.750	1.815	0.01	3.7	50.0
Dimethylphthalate	1.216	1.174	0.01	3.5	50.0

FORM VII SV-1

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSU Calibration Date: 07/07/05 Time: 1105

Lab File ID: U9623 Init. Calib. Date(s): 07/06/05 07/06/05

Init. Calib. Times: 1148 1413

GC Column: RTX-5 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF40	MIN RRF	%D	MAX %D
2,6-Dinitrotoluene	0.266	0.247	0.01	7.1	50.0
Acenaphthene	1.175	1.098	0.01	6.6	20.0
3-Nitroaniline	0.305	0.311	0.01	2.0	50.0
2,4-Dinitrophenol	0.140	0.140	0.05	0.0	100
Dibenzofuran	1.665	1.689	0.01	1.4	50.0
2,4-Dinitrotoluene	0.386	0.363	0.01	6.0	50.0
4-Nitrophenol	0.179	0.160	0.05	10.6	50.0
Fluorene	1.423	1.424	0.01	0.1	50.0
4-Chlorophenyl-phenylether	0.698	0.663	0.01	5.0	50.0
Diethylphthalate	1.274	1.284	0.01	0.8	50.0
4-Nitroaniline	0.335	0.319	0.01	4.8	50.0
4,6-Dinitro-2-methylphenol	0.119	0.122	0.01	2.5	50.0
N-Nitrosodiphenylamine (1)	0.563	0.549	0.01	2.5	20.0
1,2-Diphenylhydrazine	0.804	0.771	0.01	4.1	50.0
4-Bromophenyl-phenylether	0.215	0.208	0.01	3.3	50.0
Hexachlorobenzene	0.204	0.191	0.01	6.4	50.0
Pentachlorophenol	0.109	0.105	0.01	3.7	20.0
Phenanthrene	1.056	0.973	0.01	7.9	50.0
Carbazole	0.993	0.951	0.01	4.2	50.0
Anthracene	1.073	0.982	0.01	8.5	50.0
Di-n-butylphthalate	1.057	0.993	0.01	6.1	50.0
Fluoranthene	1.108	1.076	0.01	2.9	20.0
Benzidine	0.449	0.438	0.01	2.4	100
Pyrene	1.282	1.325	0.01	3.4	40.0
Butylbenzylphthalate	0.575	0.627	0.01	9.0	40.0
3,3'-Dichlorobenzidine	0.393	0.417	0.01	6.1	100
Benzo(a)anthracene	1.248	1.313	0.01	5.2	40.0
Chrysene	1.189	1.253	0.01	5.4	40.0
Bis(2-Ethylhexyl)phthalate	0.778	0.875	0.01	12.5	40.0
Di-n-octylphthalate	1.352	1.483	0.01	9.7	20.0
Benzo(b)fluoranthene	1.225	1.203	0.01	1.8	40.0
Benzo(k)fluoranthene	1.247	1.196	0.01	4.1	40.0
Benzo(a)pyrene	1.083	1.088	0.01	0.5	20.0
Indeno(1,2,3-cd)pyrene	1.320	1.337	0.01	1.3	40.0
Dibenzo(a,h)anthracene	1.078	1.100	0.01	2.0	40.0
Benzo(g,h,i)perylene	1.083	1.136	0.01	4.9	40.0
3,3'-Dimethylbenzidine	0.406	0.395	0.01	2.7	100

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSU Calibration Date: 07/07/05 Time: 1105

Lab File ID: U9623 Init. Calib. Date(s): 07/06/05 07/06/05

Init. Calib. Times: 1148 1413

GC Column: RTX-5 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF40	MIN RRF	%D	MAX %D	
Acetophenone	1.906	1.920	0.01	0.7	40.0	
Benzaldehyde	0.581	0.550	0.01	5.3	40.0	
Caprolactam	0.092	0.094	0.01	2.2	40.0	
1,1'-Biphenyl	1.362	1.326	0.01	2.6	40.0	
Atrazine	0.188	0.126	0.01	33.0	40.0	
Prometon	0.130	0.405	0.01	211.5	50.0	<-
Simazine	0.112	0.090	0.01	19.6	50.0	
2-Fluorophenol	1.128	1.103	0.01	2.2	50.0	
Phenol-d5	1.611	1.673	0.01	3.8	50.0	
Nitrobenzene-d5	0.336	0.329	0.01	2.1	50.0	
2-Fluorobiphenyl	1.210	1.126	0.01	6.9	50.0	
2,4,6-Tribromophenol	0.144	0.144	0.01	0.0	50.0	
Terphenyl-d14	0.894	0.965	0.01	7.9	40.0	

STLCT

Semivolatile REPORT SW-846 Method 8270

Data file : \\Target1_ct\Files\chem\BNA\msu.i\U059622.b\U9623.D
Lab Smp Id: SSTD40 Client Smp ID: SSTD40
Inj Date : 07-JUL-2005 11:05 MS Autotune Date: 04-FEB-2005 14:15
Operator : k.wilczak Inst ID: msu.i
Smp Info : SSTD40
Misc Info : : ;50;0.500;
Comment :
Method : \\Target1_ct\Files\chem\BNA\msu.i\U059622.b\Msu8270.m
Meth Date : 07-Jul-2005 11:36 kathrinw Quant Type: ISTD
Cal Date : 06-JUL-2005 14:13 Cal File: U9599.D
Als bottle: 27 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: std2.sub
Target Version: 4.14
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	InjectionVol
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	4.414	4.414	(1.000)	593802	20.0000	
$ 2	2-Fluorophenol	112	3.009	3.009	(0.682)	1310160	40.0000	39
$ 3	Phenol-d5	99	3.998	3.998	(0.906)	1986897	40.0000	42
4	Pyridine	52	1.717	1.717	(0.389)	727675	40.0000	50
5	N-Nitrosodimethylamine	42	1.701	1.701	(0.385)	430503	40.0000	37
6	Cyclohexanone	42	3.244	3.244	(0.735)	526833	40.0000	41
128	Benzaldehyde	77	3.907	3.907	(0.885)	652786	40.0000	38
7	Phenol	94	4.014	4.014	(0.909)	2013272	40.0000	41
8	Aniline	93	4.062	4.062	(0.920)	2456437	40.0000	41
9	bis(2-Chloroethyl)ether	63	4.115	4.115	(0.932)	957276	40.0000	40
10	2-Chlorophenol	128	4.190	4.190	(0.949)	1727325	40.0000	43
11	1,3-Dichlorobenzene	146	4.366	4.366	(0.989)	1894859	40.0000	40
12	1,4-Dichlorobenzene	146	4.430	4.430	(1.004)	1944765	40.0000	40
13	Benzyl alcohol	108	4.607	4.607	(1.044)	948649	40.0000	40
14	1,2-Dichlorobenzene	146	4.692	4.692	(1.063)	1913136	40.0000	43
15	2,2'-oxybis(1-Chloropropane)	45	4.826	4.826	(1.093)	1565056	40.0000	43
16	2-Methylphenol	108	4.778	4.778	(1.082)	1522201	40.0000	42
92	Acetophenone	105	5.002	5.002	(1.133)	2280097	40.0000	40
17	Hexachloroethane	117	5.130	5.130	(1.162)	818718	40.0000	41
18	N-Nitroso-di-n-propylamine	70	5.023	5.023	(1.138)	1138537	40.0000	41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
	19 4-Methylphenol	108	4.981	4.981	(1.128)	1595798	40.0000	40
*	20 Naphthalene-d8	136	6.290	6.290	(1.000)	2813910	20.0000	(H)
$	21 Nitrobenzene-d5	82	5.232	5.232	(0.826)	1849221	40.0000	39
	22 Nitrobenzene	77	5.258	5.258	(0.830)	1702235	40.0000	38
	23 Isophorone	82	5.584	5.584	(0.881)	3008314	40.0000	37
	24 2-Nitrophenol	139	5.734	5.734	(0.905)	995370	40.0000	41(H)
	25 2,4-Dimethylphenol	122	5.777	5.777	(0.911)	1436239	40.0000	37
	26 Benzoic Acid	122	5.905	5.905	(0.932)	1078345	40.0000	49(H)
	27 Bis(2-Chloroethoxy)methane	93	5.932	5.932	(0.936)	2090883	40.0000	39(H)
	28 2,4-Dichlorophenol	162	6.081	6.081	(0.960)	1633850	40.0000	41(H)
	29 1,2,4-Trichlorobenzene	180	6.225	6.225	(0.982)	1905590	40.0000	40
	30 Naphthalene	128	6.322	6.322	(0.997)	5715421	40.0000	41(H)
	31 4-Chloroaniline	127	6.434	6.434	(1.015)	2325488	40.0000	40
	32 Hexachlorobutadiene	225	6.605	6.605	(1.042)	1146876	40.0000	41
	129 Caprolactam	113	6.952	6.952	(1.097)	531287	40.0000	41(H)
	33 4-Chloro-3-methylphenol	107	7.305	7.305	(1.153)	1750492	40.0000	40
	34 2-Methylnaphthalene	142	7.534	7.534	(1.189)	4100999	40.0000	39
*	35 Acenaphthene-d10	164	9.025	9.025	(1.000)	2158900	20.0000	
	36 2,4,5-Trichlorotoluene	159	7.529	7.529	(1.705)	1736763	40.0000	42
	37 Hexachlorocyclopentadiene	237	7.908	7.908	(0.876)	1379432	40.0000	42
	38 2,4,6-Trichlorophenol	196	8.031	8.031	(0.890)	1408724	40.0000	39
	39 2,4,5-Trichlorophenol	196	8.085	8.085	(0.896)	1536234	40.0000	39
$	40 2-Fluorobiphenyl	172	8.143	8.143	(0.902)	4860470	40.0000	37
	130 1,1'-Biphenyl	154	8.266	8.266	(0.916)	5727550	40.0000	39
	41 2-Chloronaphthalene	162	8.282	8.282	(0.918)	4445018	40.0000	38
	42 2-Nitroaniline	65	8.469	8.469	(0.938)	1139520	40.0000	35
	43 Acenaphthylene	152	8.838	8.838	(0.979)	7837215	40.0000	41
	44 Dimethylphthalate	163	8.742	8.742	(0.969)	5067991	40.0000	39
	45 2,6-Dinitrotoluene	165	8.832	8.832	(0.979)	1067869	40.0000	37
	46 Acenaphthene	153	9.062	9.062	(1.004)	4738941	40.0000	37
	47 3-Nitroaniline	138	8.998	8.998	(0.997)	1341859	40.0000	41
	48 2,4-Dinitrophenol	184	9.116	9.116	(1.010)	605175	40.0000	40
	49 Dibenzofuran	168	9.244	9.244	(1.024)	7291126	40.0000	41
	50 2,4-Dinitrotoluene	165	9.287	9.287	(1.029)	1567547	40.0000	38
	51 4-Nitrophenol	109	9.185	9.185	(1.018)	692490	40.0000	36
	52 Fluorene	166	9.618	9.618	(1.066)	6148046	40.0000	40
	53 4-Chlorophenyl-phenylether	204	9.612	9.612	(1.065)	2864544	40.0000	38
	54 Diethylphthalate	149	9.538	9.538	(1.057)	5544688	40.0000	40
	55 4-Nitroaniline	138	9.677	9.677	(1.072)	1376359	40.0000	38
$	56 2,4,6-Tribromophenol	330	9.896	9.896	(1.096)	620533	40.0000	40
*	57 Phenanthrene-d10	188	10.542	10.542	(1.000)	4081043	20.0000	(H)
	58 4,6-Dinitro-2-methylphenol	198	9.714	9.714	(0.918)	992129	40.0000	41(H)
	59 N-Nitrosodiphenylamine (1)	169	9.741	9.741	(0.920)	4481793	40.0000	39(H)
	60 1,2-Diphenylhydrazine	77	9.773	9.773	(0.923)	6292489	40.0000	38
	61 4-Bromophenyl-phenylether	248	10.099	10.099	(0.954)	1695974	40.0000	39(H)
	166 Prometon	58	10.195	10.195	(0.963)	660380	8.00000	25(AH)
	167 Simazine	201	10.237	10.237	(0.967)	146543	8.00000	6(H)
	131 Atrazine	200	10.270	10.270	(0.970)	1029141	40.0000	27(H)
	62 Hexachlorobenzene	284	10.253	10.253	(0.969)	1562414	40.0000	37
	63 Pentachlorophenol	266	10.419	10.419	(0.984)	860340	40.0000	39(H)
	64 Phenanthrene	178	10.563	10.563	(0.998)	7941732	40.0000	37(H)
	65 Carbazole	167	10.745	10.745	(1.015)	7762049	40.0000	38(H)
	66 Anthracene	178	10.601	10.601	(1.002)	8018004	40.0000	37(H)
	67 Di-n-butylphthalate	149	11.023	11.023	(1.041)	8100988	40.0000	38(H)

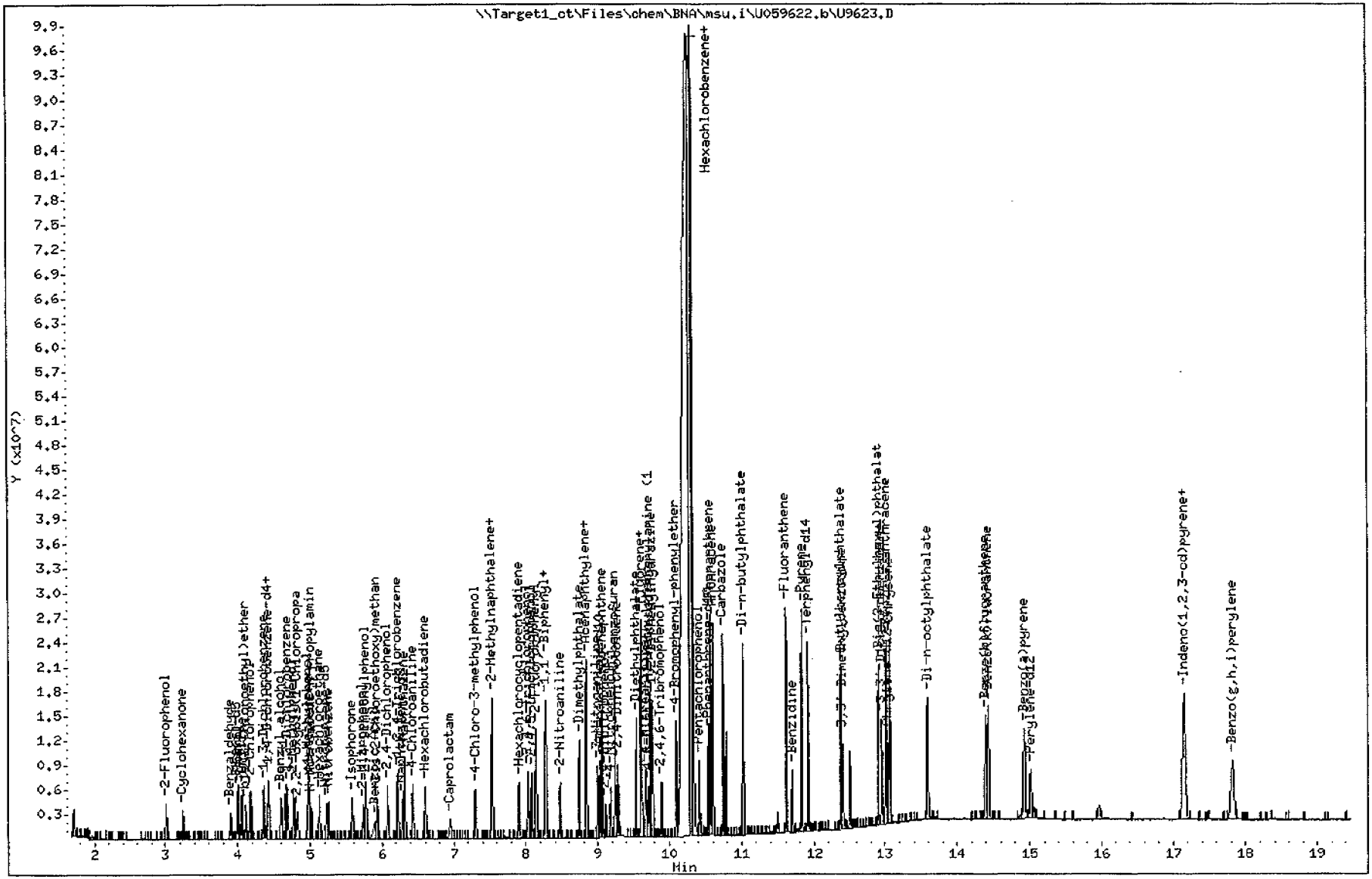
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
68	Fluoranthene	202	11.616	11.616	(1.097)	8781386	40.0000	39(H)
* 70	Chrysene-d12	240	13.042	13.042	(1.000)	3489444	20.0000	(H)
71	Benzidine	184	11.696	11.696	(0.891)	3054314	40.0000	39(H)
72	Pyrene	202	11.829	11.829	(0.901)	9245534	40.0000	41(H)
S 73	Terphenyl-d14	244	11.920	11.920	(0.908)	6736511	40.0000	43(H)
74	Butylbenzylphthalate	149	12.380	12.380	(0.943)	4375066	40.0000	44(H)
124	3,3'-Dimethylbenzidine	212	12.401	12.401	(0.945)	2758910	40.0000	39(H)
75	3,3'-Dichlorobenzidine	252	12.962	12.962	(0.988)	2913187	40.0000	42(H)
76	Benzo(a)anthracene	228	13.021	13.021	(0.992)	9166492	40.0000	42(H)
77	Chrysene	228	13.069	13.069	(0.996)	8747391	40.0000	42(H)
78	Bis(2-Ethylhexyl)phthalate	149	12.909	12.909	(0.984)	6106211	40.0000	45(H)
* 79	Perylene-d12	264	15.013	15.013	(1.000)	3192113	20.0000	(H)
80	Di-n-octylphthalate	149	13.592	13.592	(0.898)	9466999	40.0000	44(H)
81	Benzo(b)fluoranthene	252	14.399	14.399	(0.951)	7680125	40.0000	39(H)
82	Benzo(k)fluoranthene	252	14.431	14.431	(0.953)	7637495	40.0000	38(H)
83	Benzo(a)pyrene	252	14.923	14.923	(0.986)	6943706	40.0000	40(H)
84	Indeno(1,2,3-cd)pyrene	276	17.156	17.156	(1.143)	8532683	40.0000	40(M)
85	Dibenzo(a,h)anthracene	278	17.150	17.150	(1.133)	7020080	40.0000	41(H)
86	Benzo(g,h,i)perylene	276	17.818	17.818	(1.187)	7254879	40.0000	42(M)

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\msu.i\U059622.b\U9623.D
Date : 07-JUL-2005 11:05
Client ID: SSTD40
Sample Info: SSTD40
Volume Injected (uL): 1.0
Column phase: RTX-5

Instrument: msu.i
Operator: k.wilozak
Column diameter: 0.25



7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSX Calibration Date: 07/12/05 Time: 1119

Lab File ID: X0422 Init. Calib. Date(s): 07/05/05 07/05/05

Init. Calib. Times: 1340 1558

GC Column: ZEBRON-5MS ID: 0.50 (mm)

COMPOUND	$\overline{RRF}$	RRF4	MIN RRF	%D	MAX %D
Pyridine	1.283	1.171	0.01	8.7	50.0
N-Nitrosodimethylamine	0.535	0.370	0.01	30.8	50.0
Cyclohexanone	1.157	1.078	0.01	6.8	50.0
Phenol	2.254	2.243	0.01	0.5	20.0
Aniline	2.869	2.571	0.01	10.4	50.0
bis(2-Chloroethyl)ether	1.524	1.365	0.01	10.4	50.0
2-Chlorophenol	1.647	1.617	0.01	1.8	50.0
1,3-Dichlorobenzene	1.804	1.692	0.01	6.2	50.0
1,4-Dichlorobenzene	1.800	1.745	0.01	3.1	20.0
Benzyl alcohol	1.061	1.021	0.01	3.8	50.0
1,2-Dichlorobenzene	1.702	1.619	0.01	4.9	50.0
2,2'-oxybis(1-Chloropropane)	3.135	2.725	0.01	13.1	50.0
2-Methylphenol	1.516	1.549	0.01	2.2	50.0
Hexachloroethane	0.763	0.727	0.01	4.7	50.0
N-Nitroso-di-n-propylamine	0.927	0.921	0.05	0.6	50.0
4-Methylphenol	1.558	1.621	0.01	4.0	50.0
Nitrobenzene	0.414	0.431	0.01	4.1	50.0
Isophorone	0.823	0.822	0.01	0.1	50.0
2-Nitrophenol	0.163	0.187	0.01	14.7	20.0
2,4-Dimethylphenol	0.298	0.330	0.01	10.7	50.0
Benzoic Acid	0.110	0.122	0.01	10.9	100
Bis(2-Chloroethoxy)methane	0.511	0.493	0.01	3.5	50.0
2,4-Dichlorophenol	0.252	0.287	0.01	13.9	20.0
1,2,4-Trichlorobenzene	0.291	0.285	0.01	2.1	50.0
Naphthalene	1.147	1.096	0.01	4.4	50.0
4-Chloroaniline	0.452	0.442	0.01	2.2	50.0
Hexachlorobutadiene	0.156	0.157	0.01	0.6	20.0
4-Chloro-3-methylphenol	0.283	0.326	0.01	15.2	20.0
2-Methylnaphthalene	0.723	0.719	0.01	0.6	50.0
2,4,5-Trichlorotoluene	1.165	1.220	0.01	4.7	50.0
Hexachlorocyclopentadiene	0.267	0.207	0.05	22.5	50.0
2,4,6-Trichlorophenol	0.317	0.348	0.01	9.8	20.0
2,4,5-Trichlorophenol	0.327	0.337	0.01	3.1	50.0
2-Chloronaphthalene	1.292	1.184	0.01	8.4	50.0
2-Nitroaniline	0.419	0.435	0.01	3.8	50.0
Acenaphthylene	2.015	1.934	0.01	4.0	50.0
Dimethylphthalate	1.465	1.442	0.01	1.6	50.0

FORM VII SV-1

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSX Calibration Date: 07/12/05 Time: 1119

Lab File ID: X0422 Init. Calib. Date(s): 07/05/05 07/05/05

Init. Calib. Times: 1340 1558

GC Column: ZEBRON-5MS ID: 0.50 (mm)

COMPOUND	$\overline{RRF}$	RRF4	MIN RRF	%D	MAX %D
2,6-Dinitrotoluene	0.268	0.292	0.01	9.0	50.0
Acenaphthene	1.273	1.193	0.01	6.3	20.0
3-Nitroaniline	0.331	0.349	0.01	5.4	50.0
2,4-Dinitrophenol	0.091	0.075	0.05	17.6	100
Dibenzofuran	1.838	1.732	0.01	5.8	50.0
2,4-Dinitrotoluene	0.382	0.406	0.01	6.3	50.0
4-Nitrophenol	0.159	0.176	0.05	10.7	50.0
Fluorene	1.445	1.404	0.01	2.8	50.0
4-Chlorophenyl-phenylether	0.632	0.609	0.01	3.6	50.0
Diethylphthalate	1.484	1.498	0.01	0.9	50.0
4-Nitroaniline	0.324	0.303	0.01	6.5	50.0
4,6-Dinitro-2-methylphenol	0.100	0.096	0.01	4.0	50.0
N-Nitrosodiphenylamine (1)	0.698	0.661	0.01	5.3	20.0
1,2-Diphenylhydrazine	1.254	1.109	0.01	11.6	50.0
4-Bromophenyl-phenylether	0.233	0.218	0.01	6.4	50.0
Hexachlorobenzene	0.265	0.251	0.01	5.3	50.0
Pentachlorophenol	0.115	0.133	0.01	15.7	20.0
Phenanthrene	1.374	1.259	0.01	8.4	50.0
Carbazole	1.243	1.183	0.01	4.8	50.0
Anthracene	1.354	1.277	0.01	5.7	50.0
Di-n-butylphthalate	1.624	1.702	0.01	4.8	50.0
Fluoranthene	1.312	1.250	0.01	4.7	20.0
Benzidine	0.369	0.216	0.01	41.5	100
Pyrene	1.503	1.364	0.01	9.2	40.0
Butylbenzylphthalate	0.689	0.747	0.01	8.4	40.0
3,3'-Dichlorobenzidine	0.377	0.371	0.01	1.6	100
Benzo(a)anthracene	1.365	1.242	0.01	9.0	40.0
Chrysene	1.356	1.186	0.01	12.5	40.0
Bis(2-Ethylhexyl)phthalate	0.928	1.037	0.01	11.7	40.0
Di-n-octylphthalate	1.328	1.528	0.01	15.1	20.0
Benzo(b)fluoranthene	1.194	1.043	0.01	12.6	40.0
Benzo(k)fluoranthene	1.455	1.230	0.01	15.5	40.0
Benzo(a)pyrene	1.086	0.960	0.01	11.6	20.0
Indeno(1,2,3-cd)pyrene	1.203	1.063	0.01	11.6	40.0
Dibenzo(a,h)anthracene	0.952	0.867	0.01	8.9	40.0
Benzo(g,h,i)perylene	1.056	0.898	0.01	15.0	40.0
3,3'-Dimethylbenzidine	0.350	0.227	0.01	35.1	100

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210034 SAS No.: SDG No.: 210034

Instrument ID: MSX Calibration Date: 07/12/05 Time: 1119

Lab File ID: X0422 Init. Calib. Date(s): 07/05/05 07/05/05

Init. Calib. Times: 1340 1558

GC Column: ZEBRON-5MS ID: 0.50 (mm)

COMPOUND	$\overline{RRF}$	RRF4	MIN RRF	%D	MAX %D	
Acetophenone	2.450	2.332	0.01	4.8	40.0	
Benzaldehyde	1.253	0.364	0.01	70.9	40.0	<-
Caprolactam	0.091	0.116	0.01	27.5	40.0	
1,1'-Biphenyl	1.660	1.509	0.01	9.1	40.0	
Atrazine	0.233	0.213	0.01	8.6	40.0	
Prometon	0.227	0.230	0.01	1.3	50.0	
Simazine	0.120	0.119	0.01	0.8	50.0	
2-Fluorophenol	1.503	1.596	0.01	6.2	50.0	
Phenol-d5	2.083	2.111	0.01	1.3	50.0	
Nitrobenzene-d5	0.418	0.430	0.01	2.9	50.0	
2-Fluorobiphenyl	1.427	1.323	0.01	7.3	50.0	
2,4,6-Tribromophenol	0.166	0.186	0.01	12.0	50.0	
Terphenyl-d14	0.967	0.894	0.01	7.5	40.0	

STL-Connecticut

Semivolatile REPORT SW-846 Method 8270

Data file : \\target1_ct\files\chem\BNA\msx.i\X050419.b\X0422.D
Lab Smp Id: SSTD4/10 Client Smp ID: SSTD4/10
Inj Date : 12-JUL-2005 11:19 MS Autotune Date: 15-JUN-2004 12:29
Operator : D.MAY Inst ID: msx.i
Smp Info : SSTD4/10
Misc Info : : ;50;0.500;
Comment :
Method : \\target1_ct\Files\chem\BNA\msx.i\X050419.b\MSX-8270LL.m
Meth Date : 13-Jul-2005 10:18 liz Quant Type: ISTD
Cal Date : 05-JUL-2005 15:58 Cal File: X0270.D
Als bottle: 26 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: std2.sub
Target Version: 4.10
Processing Host: CONSVOA

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	InjectionVol
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	4.074	4.074	(1.000)	91925	5.00000	
$ 2	2-Fluorophenol	112	2.939	2.939	(0.721)	117384	4.00000	4
$ 3	Phenol-d5	99	3.704	3.704	(0.909)	155237	4.00000	4
4	Pyridine	52	2.121	2.121	(0.521)	86098	4.00000	4(M)
5	N-Nitrosodimethylamine	42	2.104	2.104	(0.516)	27205	4.00000	3(M)
6	Cyclohexanone	42	3.174	3.174	(0.779)	79272	4.00000	4
128	Benzaldehyde	77	3.680	3.680	(0.903)	26758	4.00000	1
7	Phenol	94	3.715	3.715	(0.912)	164963	4.00000	4
8	Aniline	93	3.768	3.768	(0.925)	189091	4.00000	4
9	bis(2-Chloroethyl)ether	63	3.821	3.821	(0.938)	100401	4.00000	4
10	2-Chlorophenol	128	3.874	3.874	(0.951)	118883	4.00000	4
11	1,3-Dichlorobenzene	146	4.021	4.021	(0.987)	124403	4.00000	4
12	1,4-Dichlorobenzene	146	4.086	4.086	(1.003)	128342	4.00000	4
13	Benzyl alcohol	108	4.192	4.192	(1.029)	75093	4.00000	4
14	1,2-Dichlorobenzene	146	4.233	4.233	(1.039)	119069	4.00000	4
15	2,2'-oxybis(1-Chloropropane)	45	4.333	4.333	(1.064)	200427	4.00000	3
16	2-Methylphenol	108	4.292	4.292	(1.053)	113920	4.00000	4
92	Acetophenone	105	4.462	4.462	(1.095)	171466	4.00000	4
17	Hexachloroethane	117	4.562	4.562	(1.120)	53458	4.00000	4
18	N-Nitroso-di-n-propylamine	70	4.456	4.456	(1.094)	67726	4.00000	4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
	19 4-Methylphenol	108	4.439	4.439	(1.090)	119195	4.00000	4
*	20 Naphthalene-d8	136	5.356	5.356	(1.000)	404061	5.00000	
$	21 Nitrobenzene-d5	82	4.609	4.609	(0.861)	139026	4.00000	4
	22 Nitrobenzene	77	4.627	4.627	(0.864)	139189	4.00000	4
	23 Isophorone	82	4.874	4.874	(0.910)	265610	4.00000	4
	24 2-Nitrophenol	139	4.951	4.951	(0.924)	60355	4.00000	5
	25 2,4-Dimethylphenol	122	4.992	4.992	(0.932)	106760	4.00000	4
	26 Benzoic Acid	122	5.068	5.068	(0.946)	98542	10.0000	11(H)
	27 Bis(2-Chloroethoxy)methane	93	5.098	5.098	(0.952)	159490	4.00000	4
	28 2,4-Dichlorophenol	162	5.198	5.198	(0.970)	92903	4.00000	5
	29 1,2,4-Trichlorobenzene	180	5.292	5.292	(0.988)	92148	4.00000	4
	30 Naphthalene	128	5.374	5.374	(1.003)	354184	4.00000	4
	31 4-Chloroaniline	127	5.433	5.433	(1.014)	142726	4.00000	4
	32 Hexachlorobutadiene	225	5.509	5.509	(1.029)	50662	4.00000	4
	129 Caprolactam	113	5.786	5.786	(1.080)	37557	4.00000	5
	33 4-Chloro-3-methylphenol	107	5.956	5.956	(1.112)	105450	4.00000	5
	34 2-Methylnaphthalene	142	6.127	6.127	(1.144)	232286	4.00000	4
*	35 Acenaphthene-d10	164	7.274	7.274	(1.000)	224165	5.00000	
	36 2,4,5-Trichlorotoluene	159	6.074	6.074	(1.491)	89712	4.00000	4
	37 Hexachlorocyclopentadiene	237	6.297	6.297	(0.866)	37104	4.00000	3
	38 2,4,6-Trichlorophenol	196	6.433	6.433	(0.884)	62430	4.00000	4
	39 2,4,5-Trichlorophenol	196	6.468	6.468	(0.889)	150896	10.0000	10
$	40 2-Fluorobiphenyl	172	6.533	6.533	(0.898)	237244	4.00000	4
	130 1,1'-Biphenyl	154	6.639	6.639	(0.913)	270617	4.00000	4
	41 2-Chloronaphthalene	162	6.656	6.656	(0.915)	212292	4.00000	4
	42 2-Nitroaniline	65	6.768	6.768	(0.930)	77938	4.00000	4
	43 Acenaphthylene	152	7.115	7.115	(0.978)	346866	4.00000	4
	44 Dimethylphthalate	163	6.986	6.986	(0.960)	258602	4.00000	4
	45 2,6-Dinitrotoluene	165	7.050	7.050	(0.969)	52279	4.00000	4
	46 Acenaphthene	153	7.309	7.309	(1.005)	213958	4.00000	4
	47 3-Nitroaniline	138	7.227	7.227	(0.994)	62674	4.00000	4
	48 2,4-Dinitrophenol	184	7.344	7.344	(1.010)	33664	10.0000	8
	49 Dibenzofuran	168	7.503	7.503	(1.032)	310602	4.00000	4
	50 2,4-Dinitrotoluene	165	7.492	7.492	(1.030)	72823	4.00000	4
	51 4-Nitrophenol	109	7.421	7.421	(1.020)	79111	10.0000	11
	52 Fluorene	166	7.886	7.886	(1.084)	251828	4.00000	4
	53 4-Chlorophenyl-phenylether	204	7.897	7.897	(1.086)	109198	4.00000	4
	54 Diethylphthalate	149	7.780	7.780	(1.070)	268588	4.00000	4
	55 4-Nitroaniline	138	7.903	7.903	(1.087)	54308	4.00000	4
$	56 2,4,6-Tribromophenol	330	8.150	8.150	(1.120)	83309	10.0000	11
*	57 Phenanthrene-d10	188	8.927	8.927	(1.000)	357631	5.00000	
	58 4,6-Dinitro-2-methylphenol	198	7.944	7.944	(0.890)	68763	10.0000	10
	59 N-Nitrosodiphenylamine (1)	169	8.027	8.027	(0.899)	189180	4.00000	4
	60 1,2-Diphenylhydrazine	77	8.074	8.074	(0.904)	317306	4.00000	4
	61 4-Bromophenyl-phenylether	248	8.444	8.444	(0.946)	62311	4.00000	4
	166 Prometon	58	8.568	8.568	(0.960)	13166	0.80000	0.8
	167 Simazine	201	8.597	8.597	(0.963)	6827	0.80000	0.8
	131 Atrazine	200	8.639	8.639	(0.968)	60882	4.00000	4
	62 Hexachlorobenzene	284	8.491	8.491	(0.951)	71739	4.00000	4
	63 Pentachlorophenol	266	8.715	8.715	(0.976)	94892	10.0000	11
	64 Phenanthrene	178	8.950	8.950	(1.003)	360239	4.00000	4
	65 Carbazole	167	9.174	9.174	(1.028)	338432	4.00000	4
	66 Anthracene	178	9.003	9.003	(1.009)	365354	4.00000	4
	67 Di-n-butylphthalate	149	9.533	9.533	(1.068)	487039	4.00000	4

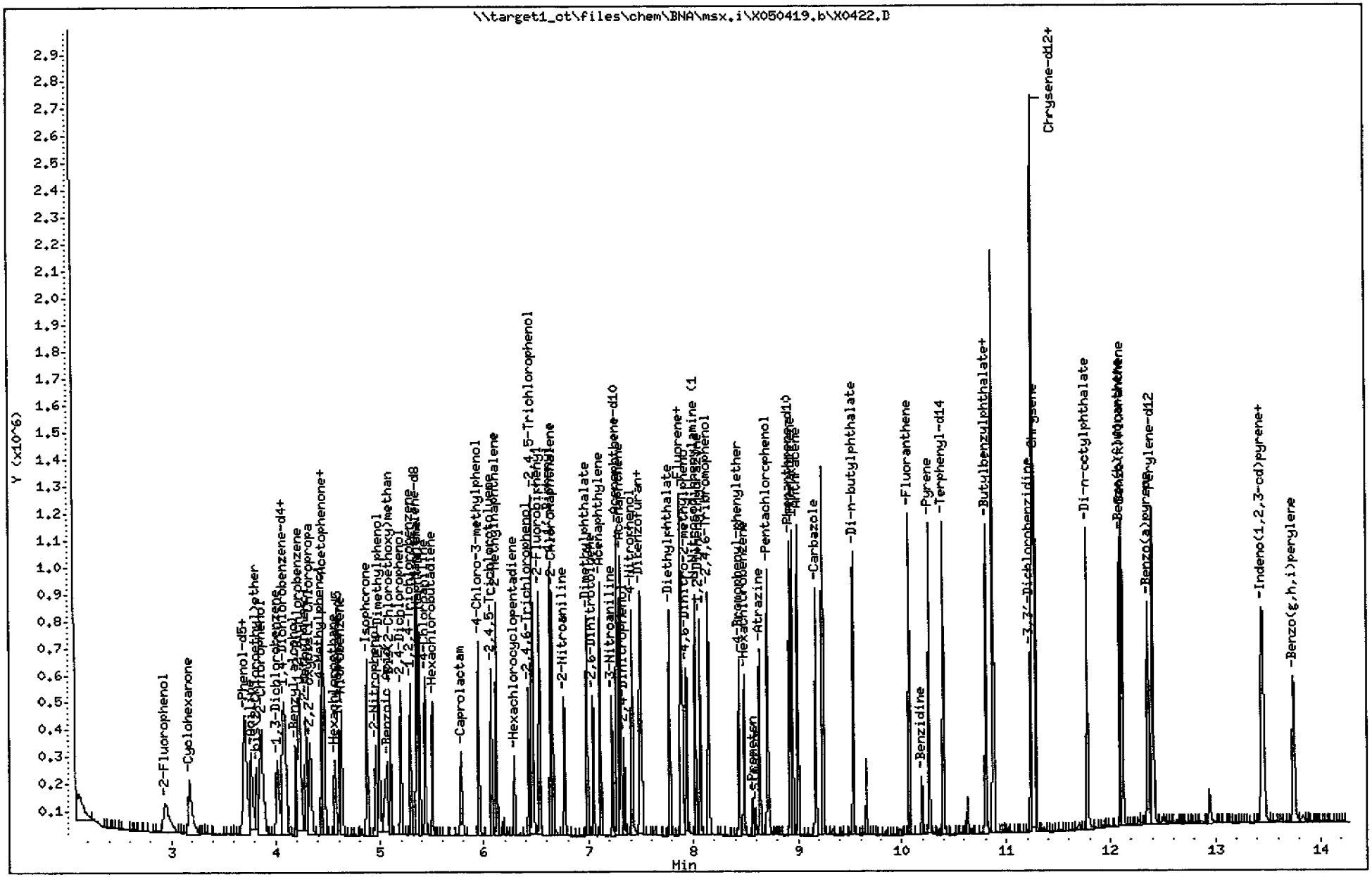
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
68	Fluoranthene	202	10.074	10.074	(1.128)	357762	4.00000	4
* 70	Chrysene-d12	240	11.268	11.268	(1.000)	354176	5.00000	
71	Benzidine	184	10.191	10.191	(0.904)	61139	4.00000	2
72	Pyrene	202	10.268	10.268	(0.911)	386603	4.00000	4
$ 73	Terphenyl-d14	244	10.403	10.403	(0.923)	253401	4.00000	4
74	Butylbenzylphthalate	149	10.809	10.809	(0.959)	211780	4.00000	4
124	3,3'-Dimethylbenzidine	212	10.797	10.797	(0.958)	64342	4.00000	3
75	3,3'-Dichlorobenzidine	252	11.232	11.232	(0.997)	105053	4.00000	4
76	Benzo(a)anthracene	228	11.256	11.256	(0.999)	351973	4.00000	4
77	Chrysene	228	11.285	11.285	(1.002)	336042	4.00000	3
78	Bis(2-Ethylhexyl)phthalate	149	11.268	11.268	(1.000)	293821	4.00000	4
* 79	Perylene-d12	264	12.415	12.415	(1.000)	396946	5.00000	
80	Di-n-octylphthalate	149	11.779	11.779	(0.949)	485266	4.00000	5
81	Benzo(b)fluoranthene	252	12.103	12.103	(0.975)	331095	4.00000	3
82	Benzo(k)fluoranthene	252	12.121	12.121	(0.976)	390546	4.00000	3
83	Benzo(a)pyrene	252	12.368	12.368	(0.996)	304765	4.00000	4
84	Indeno(1,2,3-cd)pyrene	276	13.444	13.444	(1.083)	337532	4.00000	4
85	Dibenzo(a,h)anthracene	278	13.456	13.456	(1.084)	275200	4.00000	4
86	Benzo(g,h,i)perylene	276	13.750	13.750	(1.108)	285312	4.00000	3

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\target1_ct\files\chem\BNA\msx.i\X050419.b\X0422.D
Date : 12-JUL-2005 11:19
Client ID: SSTD4/10
Sample Info: SSTD4/10
Volume Injected (uL): 1.0
Column phase: ZEBRON-5MS

Instrument: msx.i
Operator: D.MAY
Column diameter: 0.50



STL-Connecticut

Data File: \\Target1_ct\Files\chem\BNA\msu.i\U059592.b\Us9592.D

Date : 06-JUL-2005 11:04

Client ID: DFTPP02

Instrument: msu.i

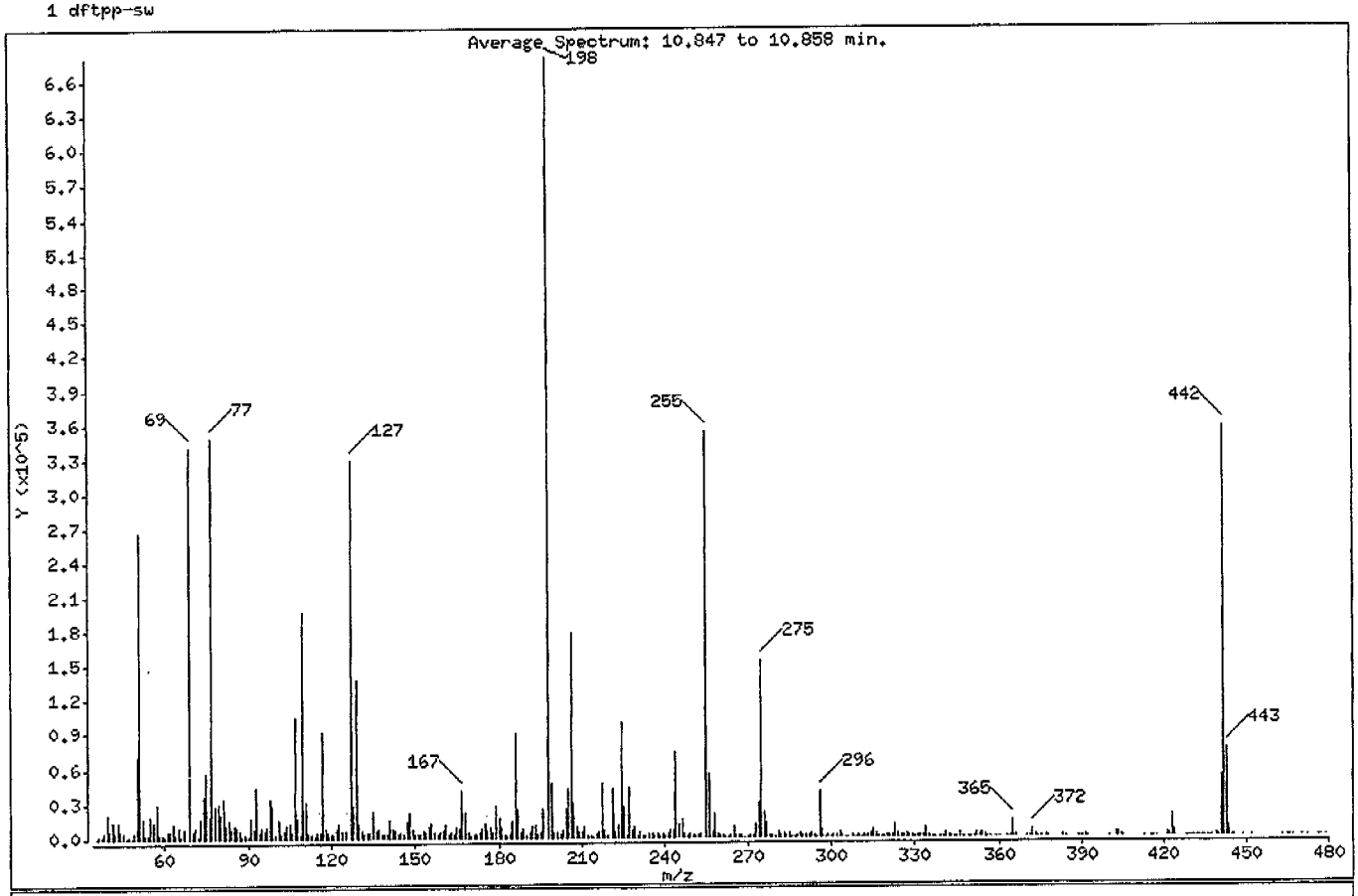
Sample Info: DFTPP25

Operator: k.wilczak

Column phase:

Column diameter: 2.00

1 dftpp-sw



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	39.21
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Less than 100.00% of mass 198	50.11
70	Less than 2.00% of mass 69	0.91 (1.81)
127	40.00 - 60.00% of mass 198	48.46
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.98
275	10.00 - 30.00% of mass 198	22.49
365	1.00 - 100.00% of mass 198	2.14
441	Present, but less than mass 443	7.65
442	40.00 - 100.00% of mass 198	52.40
443	17.00 - 23.00% of mass 442	11.09 (21.16)

Data File: \\Target1_ct\Files\chem\BNA\msu.i\U059592.b\Us9592.D

Date : 06-JUL-2005 11:04

Client ID: DFTPP02

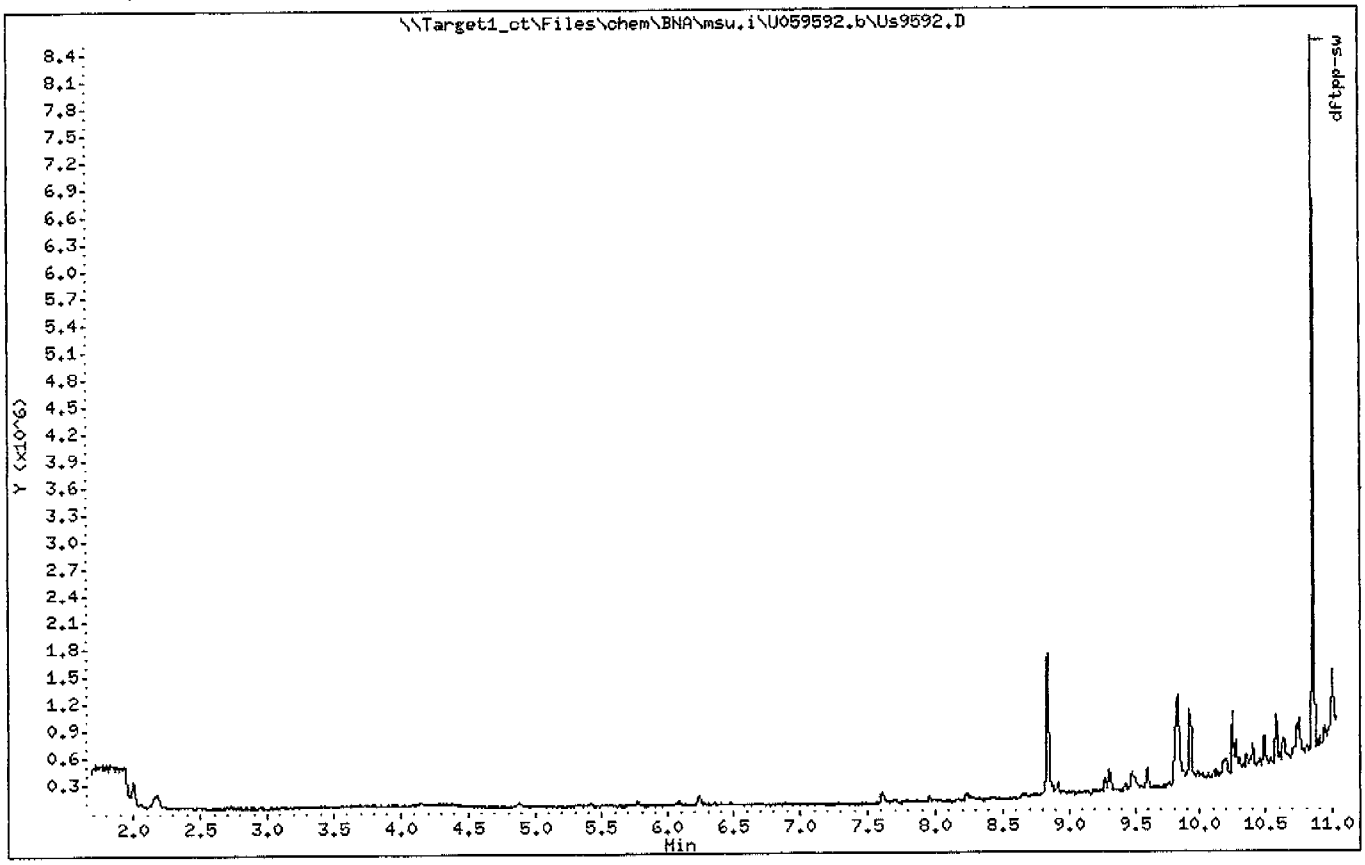
Instrument: msu.i

Sample Info: DFTPP25

Operator: k.wilczak

Column phase:

Column diameter: 2.00



Data File: \\Target1_ct\Files\chem\BNA\msu.i\U059592.b\Us9592.D

Date : 06-JUL-2005 11:04

Client ID: DFTPP02

Instrument: msu.i

Sample Info: DFTPP25

Operator: k.wilczak

Column phase:

Column diameter: 2.00

Data File: Us9592.D

Spectrum: Average Spectrum: 10.847 to 10.858 min.

Location of Maximum: 198.00

Number of points: 377

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	195	132.00	3315	229.00	9755	326.00	988
36.00	925	133.00	4992	230.00	1376	327.00	3716
37.00	2081	134.00	5066	231.00	3996	328.00	1577
38.00	4440	135.00	23592	232.00	1617	329.00	1192
39.00	20312	136.00	6634	233.00	1796	330.00	211
40.00	6435	137.00	7787	234.00	2978	331.00	1447
41.00	13892	138.00	2465	235.00	2848	332.00	1261
42.00	3990	139.00	2498	236.00	2038	333.00	2046
43.00	14806	140.00	2703	237.00	3661	334.00	7570
44.00	6917	141.00	15959	238.00	923	335.00	2215
45.00	3977	142.00	7689	239.00	2731	336.00	363
46.00	498	143.00	5815	240.00	1813	337.00	204
47.00	1052	144.00	2470	241.00	2563	339.00	186
48.00	762	145.00	3931	242.00	6180	340.00	512
49.00	5074	146.00	3705	243.00	5523	341.00	2361
50.00	70568	147.00	13861	244.00	73848	342.00	941
51.00	266624	148.00	22640	245.00	10216	343.00	413
52.00	16704	149.00	7449	246.00	15959	344.00	312
53.00	3486	150.00	3181	247.00	3568	345.00	191
54.00	3694	151.00	3342	248.00	1111	346.00	2716
55.00	18288	152.00	3843	249.00	3668	347.00	555
56.00	13938	153.00	5903	250.00	1533	349.00	168
57.00	30168	154.00	5108	251.00	1749	350.00	607
58.00	3535	155.00	10076	252.00	1248	351.00	584
59.00	2577	156.00	12793	253.00	3905	352.00	3340
60.00	2086	157.00	4859	255.00	353024	353.00	1928
61.00	5569	158.00	3761	256.00	54280	354.00	3032
62.00	6002	159.00	4008	257.00	5058	355.00	1433
63.00	12967	160.00	5819	258.00	21088	356.00	295
64.00	2468	161.00	10254	259.00	3400	357.00	186
65.00	8890	162.00	3590	260.00	817	359.00	419
66.00	1540	163.00	4185	261.00	1512	360.00	219
67.00	8298	164.00	2584	262.00	293	363.00	196
69.00	340800	165.00	10026	263.00	391	364.00	209
70.00	6178	166.00	7049	264.00	1004	365.00	14541

Data File: \\Target1_ct\Files\chem\BNA\msu.i\U059592.b\Us9592.D

Date : 06-JUL-2005 11:04

Client ID: DFTPP02

Instrument: msu.i

Sample Info: DFTPP25

Operator: k.wilczak

Column phase:

Column diameter: 2.00

Data File: Us9592.D

Spectrum: Average Spectrum: 10.847 to 10.858 min.

Location of Maximum: 198.00

Number of points: 377

m/z	Y	m/z	Y	m/z	Y	m/z	Y
71.00	8979	167.00	40040	265.00	9570	366.00	2100
72.00	1324	168.00	21208	266.00	1832	370.00	669
73.00	17680	169.00	4346	267.00	1270	371.00	775
74.00	35952	170.00	1903	268.00	972	372.00	5906
75.00	56928	171.00	2407	269.00	639	373.00	1323
76.00	18640	172.00	3706	270.00	626	374.00	589
77.00	348160	173.00	4935	271.00	1370	375.00	426
78.00	27568	174.00	7302	272.00	1997	377.00	941
79.00	29944	175.00	13005	273.00	11104	378.00	373
80.00	20256	176.00	5560	274.00	29880	383.00	1710
81.00	34944	177.00	10052	275.00	152896	384.00	261
82.00	10531	178.00	5320	276.00	22528	389.00	269
83.00	15819	179.00	27728	277.00	13282	390.00	719
84.00	7905	180.00	17800	278.00	2182	391.00	1098
85.00	10847	181.00	9174	279.00	1177	392.00	217
86.00	9671	182.00	2535	280.00	176	400.00	203
87.00	5502	183.00	2038	281.00	4266	402.00	2870
88.00	1501	184.00	3111	282.00	1700	403.00	3424
89.00	2371	185.00	13696	283.00	3043	404.00	1118
90.00	845	186.00	90328	284.00	1085	405.00	451
91.00	17384	187.00	24680	285.00	3151	413.00	200
92.00	8193	188.00	4064	286.00	673	415.00	350
93.00	43040	189.00	7730	287.00	595	416.00	195
94.00	4928	190.00	2036	288.00	881	417.00	329
95.00	8962	191.00	4661	289.00	2420	421.00	3803
96.00	6012	192.00	9607	290.00	1933	422.00	1097
97.00	9264	193.00	10395	291.00	1750	423.00	18600
98.00	34792	194.00	3619	292.00	1663	424.00	4733
99.00	27504	195.00	4901	293.00	3535	428.00	574
100.00	3426	196.00	25288	294.00	1010	429.00	477
101.00	15018	198.00	680128	295.00	641	430.00	207
102.00	3417	199.00	47448	296.00	39032	431.00	205
103.00	6552	200.00	5058	297.00	5632	432.00	408
104.00	10498	201.00	4900	298.00	573	433.00	224
105.00	12440	202.00	3581	299.00	1641	434.00	190

Data File: \\Target1_ct\Files\chem\BNA\msu.i\U059592.b\Us9592.D

Date : 06-JUL-2005 11:04

Client ID: DFTPP02 Instrument: msu.i

Sample Info: DFTPP25

Operator: k.wilczak

Column phase: Column diameter: 2.00

Data File: Us9592.D
Spectrum: Average Spectrum: 10.847 to 10.858 min.
Location of Maximum: 198.00
Number of points: 377

m/z	Y	m/z	Y	m/z	Y	m/z	Y
106.00	3975	203.00	6611	300.00	175	435.00	756
107.00	104992	204.00	25752	301.00	1775	436.00	463
108.00	17392	205.00	42792	302.00	1747	437.00	654
109.00	2828	206.00	179008	303.00	4909	439.00	1201
110.00	196544	207.00	30368	304.00	1516	440.00	396
111.00	30768	208.00	9020	305.00	581	441.00	52024
112.00	4486	209.00	5243	306.00	524	442.00	356416
113.00	2365	210.00	4053	308.00	871	443.00	75400
114.00	1703	211.00	8957	309.00	667	444.00	7492
115.00	4392	212.00	1897	310.00	820	445.00	430
116.00	5324	213.00	1513	311.00	206	446.00	179
117.00	92000	214.00	660	312.00	1132	449.00	169
118.00	7065	215.00	2460	313.00	857	452.00	265
119.00	4642	216.00	4803	314.00	2697	463.00	227
120.00	2785	217.00	47392	315.00	5654	465.00	193
121.00	3606	218.00	6860	316.00	3371	466.00	169
122.00	8229	219.00	1223	317.00	426	467.00	220
123.00	12441	221.00	42448	318.00	373	470.00	587
124.00	6153	222.00	4926	319.00	627	472.00	171
125.00	6202	223.00	10679	320.00	944	476.00	207
127.00	329536	224.00	99520	321.00	1469	477.00	348
128.00	28568	225.00	26040	322.00	1312	479.00	435
129.00	137536	226.00	2182	323.00	11561		
130.00	12044	227.00	44360	324.00	2787		
131.00	5969	228.00	6767	325.00	880		

Data File: \\Target1_ct\Files\chem\BNA\msu.i\U059622.b\Us9623.D

Date : 07-JUL-2005 11:05

Client ID: SSTD40

Instrument: msu.i

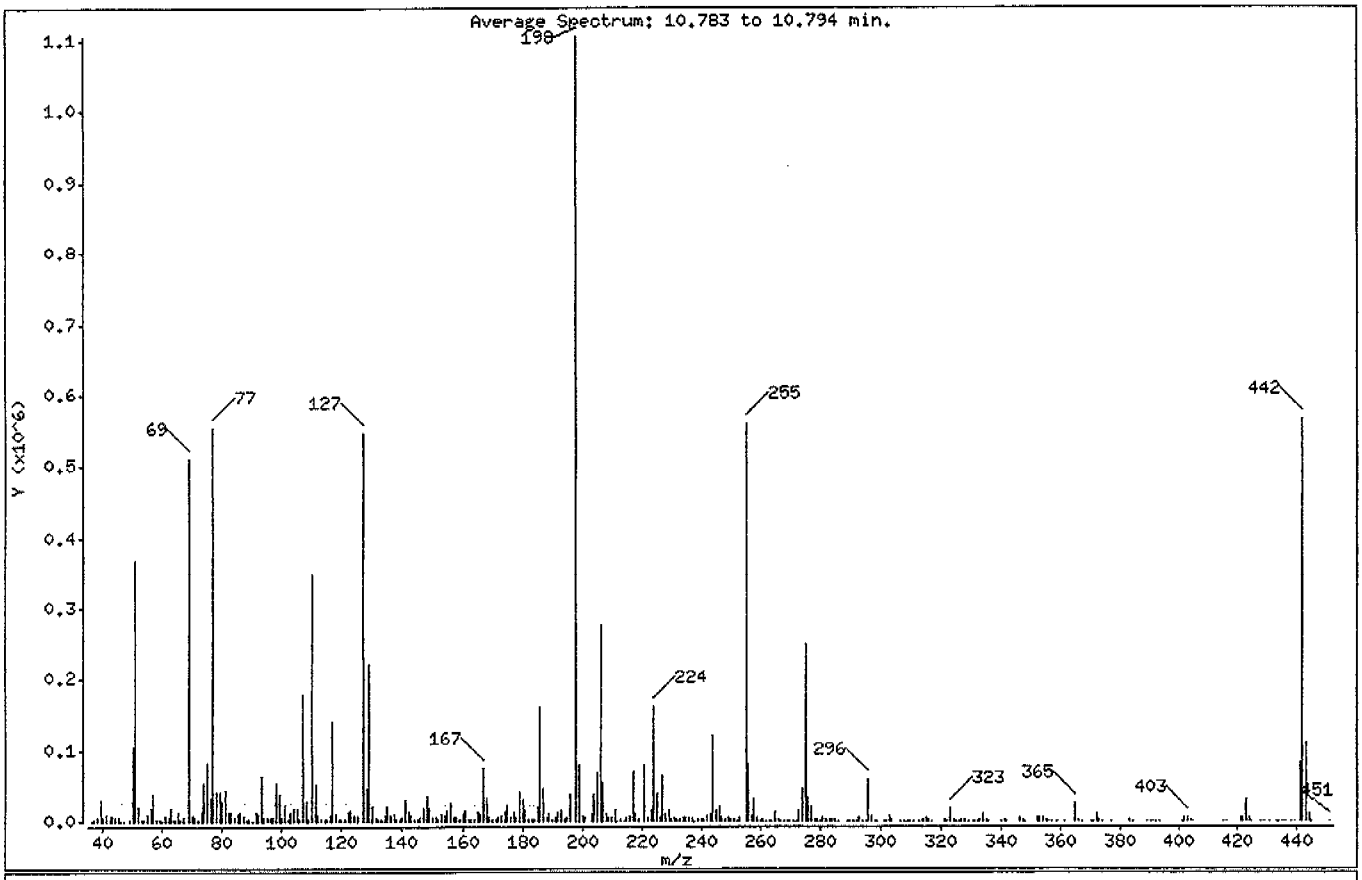
Sample Info: SSTD40

Operator: k.wilczak

Column phase:

Column diameter: 2.00

1 dftpp-sw



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	33.39
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Less than 100.00% of mass 198	46.22
70	Less than 2.00% of mass 69	0.77 (1.66)
127	40.00 - 60.00% of mass 198	49.47
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.11
275	10.00 - 30.00% of mass 198	22.48
365	1.00 - 100.00% of mass 198	2.29
441	Present, but less than mass 443	7.42
442	40.00 - 100.00% of mass 198	50.94
443	17.00 - 23.00% of mass 442	9.87 (19.37)

Data File: \\Target1_ct\Files\chem\BNA\msu.i\U059622.b\Us9623.D

Date : 07-JUL-2005 11:05

Client ID: SSTD40

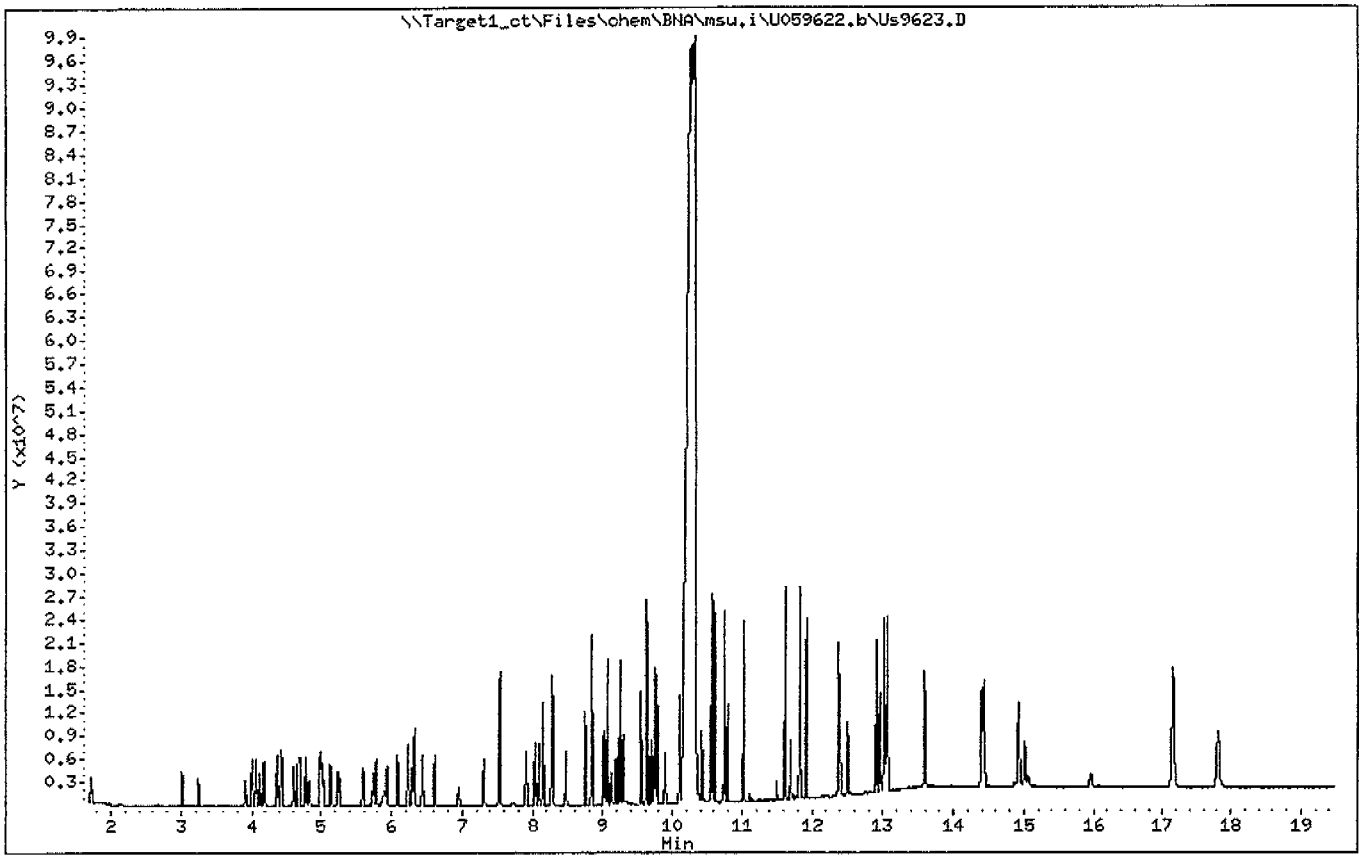
Instrument: msu.i

Sample Info: SSTD40

Operator: k.wilczak

Column phase:

Column diameter: 2.00



Data File: \\Target1_ct\Files\chem\BNA\msu.i\U059622.b\Us9623.D

Date : 07-JUL-2005 11:05

Client ID: SSTD40 Instrument: msu.i

Sample Info: SSTD40

Operator: k.wilczak

Column phase: Column diameter: 2.00

Data File: Us9623.D
Spectrum: Average Spectrum: 10.783 to 10.794 min.
Location of Maximum: 198.00
Number of points: 341

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	973	124.00	7361	213.00	1491	304.00	1760
37.00	2371	125.00	6915	214.00	370	307.00	219
38.00	4661	127.00	547008	215.00	4241	308.00	615
39.00	29536	128.00	46456	216.00	6694	309.00	509
40.00	4985	129.00	221056	217.00	68960	310.00	1180
41.00	9145	130.00	19160	218.00	10313	311.00	174
42.00	2531	131.00	4042	219.00	2149	313.00	1171
43.00	6908	132.00	2888	221.00	78024	314.00	3367
44.00	5063	133.00	3690	222.00	3875	315.00	6017
45.00	4056	134.00	8176	223.00	15740	316.00	3364
46.00	337	135.00	21280	224.00	160192	317.00	322
47.00	314	136.00	8307	225.00	37488	321.00	2474
49.00	3158	137.00	10593	226.00	5307	322.00	384
50.00	104144	138.00	2932	227.00	63544	323.00	18600
51.00	369216	139.00	2859	228.00	8926	324.00	3353
52.00	20040	140.00	4179	229.00	14209	325.00	922
53.00	2554	141.00	29384	230.00	3104	326.00	464
54.00	1874	142.00	12132	231.00	5937	327.00	3456
55.00	10649	143.00	6970	232.00	1368	328.00	2154
56.00	16696	144.00	1988	233.00	1463	329.00	666
57.00	37392	145.00	2288	234.00	4604	331.00	427
58.00	3145	146.00	4921	235.00	4643	332.00	1150
59.00	2983	147.00	17520	236.00	4292	333.00	1823
60.00	941	148.00	36272	237.00	5202	334.00	10214
61.00	6453	149.00	17512	238.00	1081	335.00	2646
62.00	5486	150.00	4008	239.00	3315	336.00	178
63.00	18616	151.00	4732	240.00	2387	340.00	224
64.00	3072	152.00	2891	241.00	3663	341.00	2574
65.00	11857	153.00	9531	242.00	8399	342.00	589
66.00	1857	154.00	6610	243.00	9852	346.00	4169
67.00	4470	155.00	15795	244.00	119040	347.00	1377
69.00	510976	156.00	25576	245.00	15220	348.00	264
70.00	8459	157.00	6090	246.00	21056	352.00	5397
71.00	4662	158.00	5726	247.00	5613	353.00	4015
72.00	1537	159.00	3755	248.00	1324	354.00	4442

Data File: \\Target1_ct\Files\chem\BNA\msu.i\U059622.b\Us9623.D

Date : 07-JUL-2005 11:05

Client ID: SSTD40 Instrument: msu.i

Sample Info: SSTD40

Operator: k.wilczak

Column phase: Column diameter: 2.00

Data File: Us9623.D
Spectrum: Average Spectrum: 10.783 to 10.794 min.
Location of Maximum: 198.00
Number of points: 341

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	11465	160.00	8909	249.00	4806	355.00	1567
74.00	52816	161.00	14476	250.00	1748	356.00	652
75.00	80696	162.00	3511	251.00	3320	357.00	170
76.00	32528	163.00	2579	252.00	1165	359.00	729
77.00	554944	164.00	1448	253.00	5542	361.00	239
78.00	40800	165.00	12045	255.00	558976	365.00	25296
79.00	40080	166.00	10742	256.00	78472	366.00	3467
80.00	27144	167.00	72616	257.00	7157	367.00	186
81.00	43112	168.00	32072	258.00	31184	370.00	549
82.00	11468	169.00	5696	259.00	5026	371.00	1221
83.00	12987	170.00	2290	260.00	1104	372.00	9446
84.00	5902	171.00	3378	261.00	1412	373.00	2148
85.00	9683	172.00	5718	262.00	460	374.00	175
86.00	13641	173.00	6870	263.00	647	377.00	634
87.00	6623	174.00	13305	264.00	1012	383.00	2073
88.00	3324	175.00	23424	265.00	12698	384.00	196
89.00	3782	176.00	5953	266.00	3164	389.00	602
90.00	1172	177.00	11997	267.00	1162	390.00	1253
91.00	12858	178.00	4927	268.00	1128	391.00	878
92.00	10919	179.00	40984	269.00	1087	392.00	624
93.00	63648	180.00	29688	270.00	1171	393.00	184
94.00	5484	181.00	14116	271.00	1229	401.00	449
95.00	5779	182.00	2638	272.00	1043	402.00	4504
96.00	5774	183.00	2514	273.00	15066	403.00	4879
97.00	4367	184.00	3412	274.00	45400	404.00	1699
98.00	54168	185.00	20736	275.00	248576	405.00	1040
99.00	39320	186.00	158976	276.00	33064	415.00	477
100.00	4221	187.00	45152	277.00	19408	416.00	177
101.00	22944	188.00	4619	278.00	3024	421.00	4648
102.00	2155	189.00	10648	279.00	1578	422.00	4219
103.00	11951	190.00	1960	280.00	243	423.00	31472
104.00	18744	191.00	4916	281.00	4170	424.00	5836
105.00	17072	192.00	12789	282.00	1371	425.00	926
106.00	3231	193.00	15566	283.00	2175	428.00	181
107.00	177024	194.00	3033	284.00	1694	429.00	588

Date : 07-JUL-2005 11:05

Client ID: SSTD40 Instrument: msu.i

Sample Info: SSTD40

Operator: k.wilczak

Column phase: Column diameter: 2.00

Data File: Us9623.D
Spectrum: Average Spectrum: 10.783 to 10.794 min.
Location of Maximum: 198.00
Number of points: 341

m/z	Y	m/z	Y	m/z	Y	m/z	Y
108.00	27088	195.00	3912	285.00	3541	431.00	197
109.00	2404	196.00	38840	286.00	1102	433.00	287
110.00	347008	198.00	1105408	289.00	974	434.00	177
111.00	51896	199.00	78632	290.00	617	435.00	990
112.00	7923	200.00	7185	291.00	289	436.00	578
113.00	3599	201.00	6302	292.00	796	438.00	851
114.00	1476	203.00	9794	293.00	4959	439.00	889
115.00	1887	204.00	36896	294.00	1115	441.00	81992
116.00	8888	205.00	69312	295.00	613	442.00	563136
117.00	139520	206.00	276736	296.00	57624	443.00	109104
118.00	9587	207.00	52104	297.00	7300	444.00	9460
119.00	2777	208.00	11382	298.00	528	445.00	314
120.00	2897	209.00	4873	299.00	652	451.00	235
121.00	2863	210.00	6225	301.00	933		
122.00	13819	211.00	14151	302.00	1133		
123.00	16440	212.00	753	303.00	6536		

Data File: \\target1_ct\Files\chem\BNA\msx.i\X050257.b\Xs0264.D

Date : 05-JUL-2005 13:40

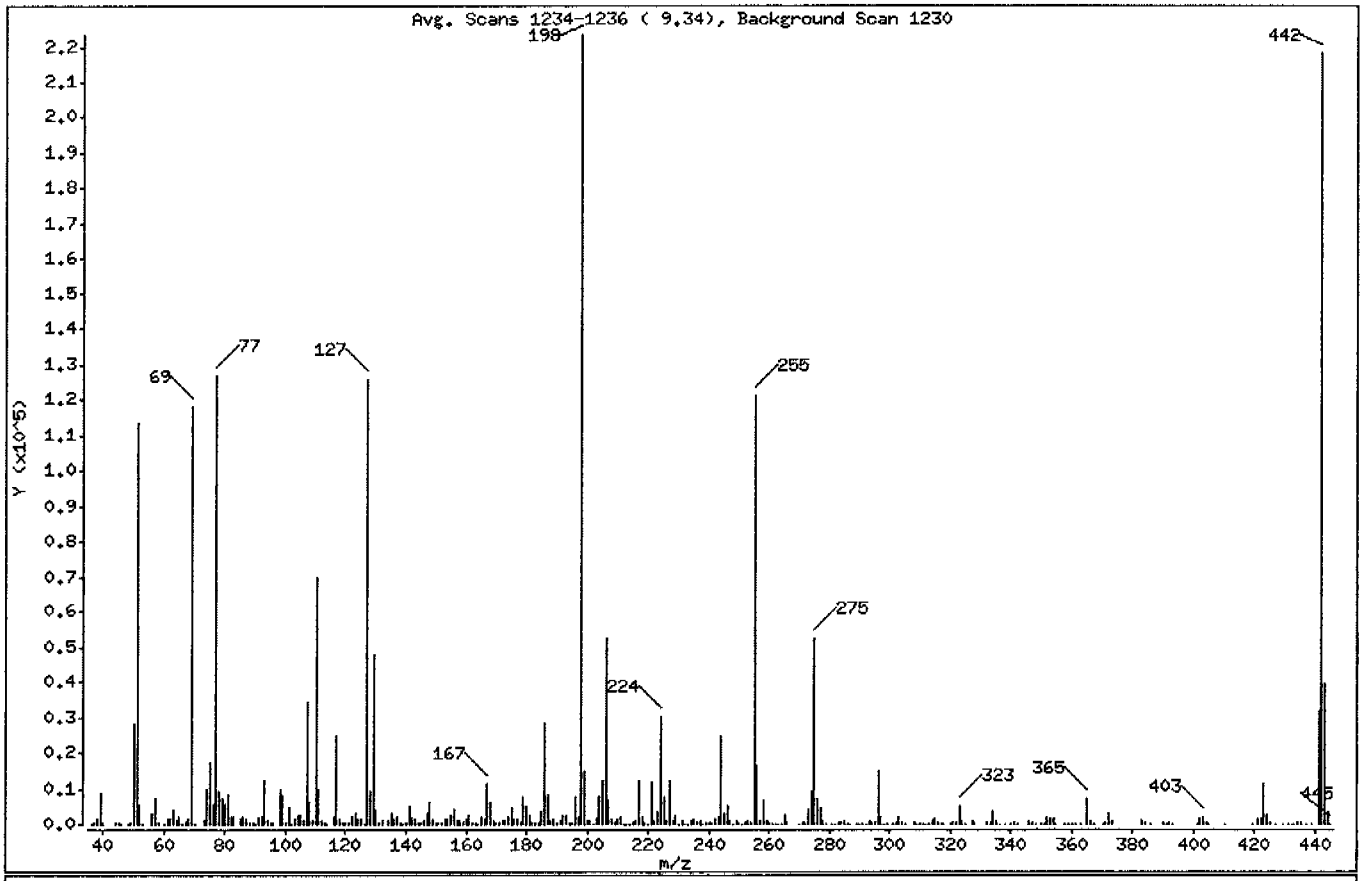
Client ID: DFTPP02 Instrument: msx.i

Sample Info: SSTD2/5

Operator: d.may

Column phase: Column diameter: 2.00

1 dftpp-sw



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	50.72
68	Less than 2.00% of mass 69	0.79 (1.49)
69	Less than 100.00% of mass 198	52.98
70	Less than 2.00% of mass 69	0.05 (0.10)
127	40.00 - 60.00% of mass 198	56.21
197	Less than 1.00% of mass 198	0.99
199	5.00 - 9.00% of mass 198	6.77
275	10.00 - 30.00% of mass 198	23.41
365	1.00 - 100.00% of mass 198	3.25
441	Present, but less than mass 443	14.19
442	40.00 - 100.00% of mass 198	97.65
443	17.00 - 23.00% of mass 442	17.61 (18.04)

Data File: \\target1_ot\Files\chem\BNA\msx.i\X050257.b\Xs0264.D

Date : 05-JUL-2005 13:40

Client ID: DFTPP02

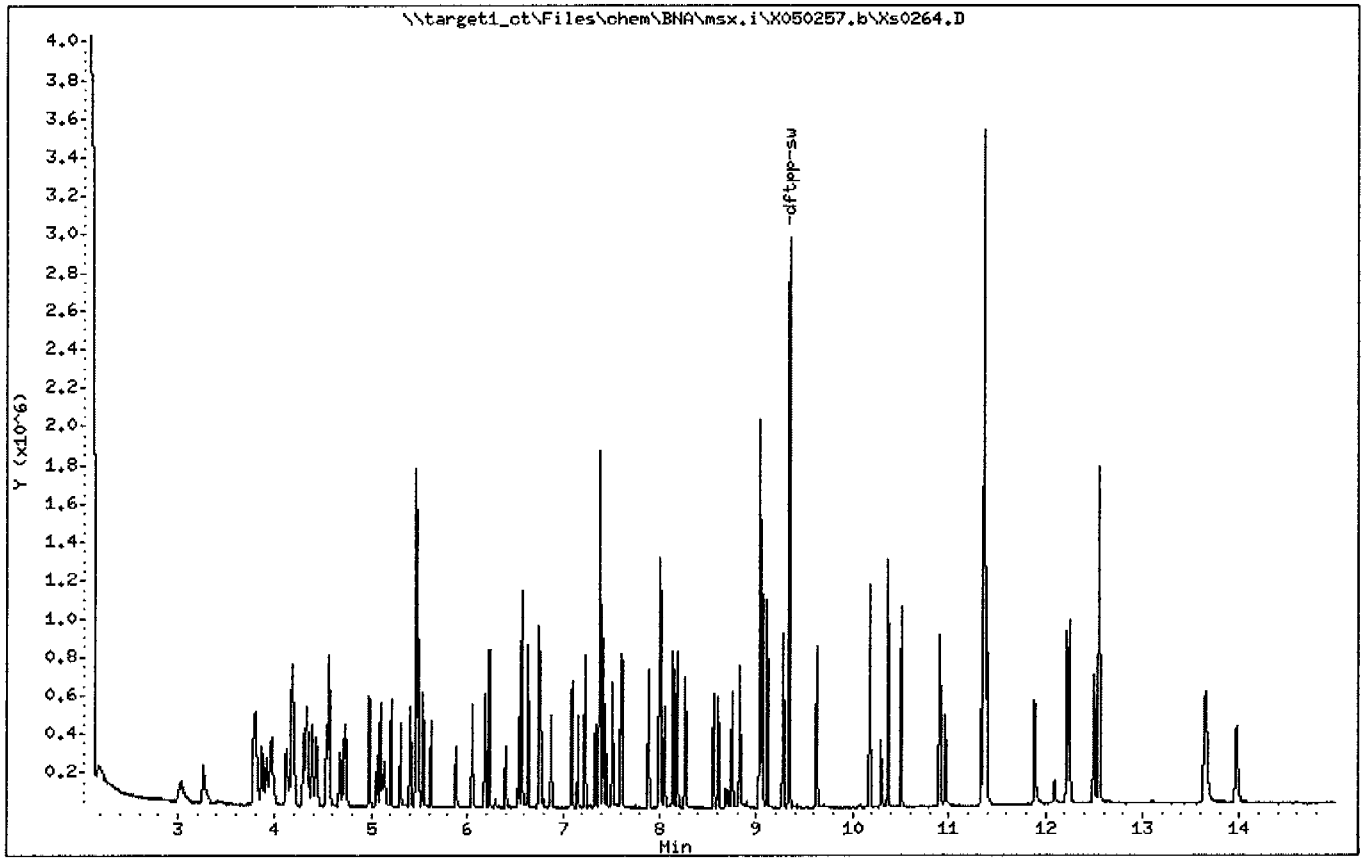
Instrument: msx.i

Sample Info: SSTD2/5

Operator: d.may

Column phase:

Column diameter: 2.00



Date : 05-JUL-2005 13:40

Client ID: DFTPP02 Instrument: msx.i

Sample Info: SSTD2/5

Operator: d.may

Column phase: Column diameter: 2.00

Data File: Xs0264.D
Spectrum: Avg. Scans 1234-1236 (9.34), Background Scan 1230
Location of Maximum: 198.00
Number of points: 333

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	167	132.00	835	217.00	12430	309.00	146
37.00	400	134.00	1166	218.00	2046	310.00	151
38.00	1296	135.00	3033	219.00	361	311.00	114
39.00	8552	136.00	1641	220.00	241	312.00	121
40.00	300	137.00	2047	221.00	11690	313.00	205
44.00	268	138.00	645	222.00	923	314.00	875
45.00	274	139.00	98	223.00	3480	315.00	1725
46.00	65	140.00	407	224.00	30216	316.00	719
48.00	25	141.00	5133	225.00	7741	317.00	218
49.00	314	142.00	1906	226.00	877	318.00	52
50.00	28440	143.00	1331	227.00	12484	320.00	133
51.00	113280	144.00	327	228.00	1223	321.00	687
52.00	5630	145.00	334	229.00	2670	322.00	318
53.00	231	146.00	890	230.00	244	323.00	5068
56.00	3126	147.00	2903	231.00	1184	324.00	1128
57.00	7183	148.00	6157	232.00	201	325.00	173
58.00	351	149.00	1324	233.00	191	327.00	1007
60.00	113	150.00	350	234.00	861	328.00	699
61.00	1325	151.00	721	235.00	1340	332.00	538
62.00	1392	152.00	564	236.00	563	333.00	433
63.00	4082	153.00	1583	237.00	878	334.00	3579
64.00	849	154.00	1362	238.00	190	335.00	911
65.00	2169	155.00	2598	239.00	469	336.00	145
66.00	130	156.00	4294	240.00	350	338.00	65
67.00	312	157.00	951	241.00	636	340.00	134
68.00	1758	158.00	959	242.00	1582	341.00	764
69.00	118336	159.00	600	243.00	1874	342.00	95
70.00	114	160.00	1636	244.00	24656	346.00	1184
73.00	922	161.00	2801	245.00	3049	347.00	261
74.00	9661	162.00	769	246.00	5043	348.00	54
75.00	17560	163.00	272	247.00	1047	350.00	59
76.00	5649	164.00	231	248.00	247	351.00	61
77.00	126960	165.00	1955	249.00	1068	352.00	1931
78.00	9004	166.00	1605	250.00	258	353.00	1500
79.00	7291	167.00	11552	251.00	245	354.00	1778

Date : 05-JUL-2005 13:40

Client ID: DFTPP02 Instrument: msx.i

Sample Info: SSTD2/5

Operator: d.may

Column phase: Column diameter: 2.00

Data File: Xs0264.D
Spectrum: Avg. Scans 1234-1236 (9.34), Background Scan 1230
Location of Maximum: 198.00
Number of points: 333

m/z	Y	m/z	Y	m/z	Y	m/z	Y
80.00	5620	168.00	5979	252.00	670	355.00	232
81.00	8058	169.00	948	253.00	994	358.00	54
82.00	2186	170.00	411	254.00	475	359.00	154
83.00	1851	171.00	590	255.00	121072	360.00	77
85.00	1482	172.00	864	256.00	16624	361.00	125
86.00	2066	173.00	1183	257.00	1263	363.00	75
87.00	1361	174.00	2080	258.00	6629	365.00	7265
88.00	385	175.00	4702	259.00	1125	366.00	1036
89.00	268	176.00	1365	260.00	304	367.00	199
90.00	110	177.00	1677	261.00	239	370.00	157
91.00	1901	178.00	713	262.00	70	371.00	565
92.00	2069	179.00	7602	263.00	68	372.00	3302
93.00	12238	180.00	4980	264.00	197	373.00	799
94.00	859	181.00	2359	265.00	2515	383.00	788
95.00	337	182.00	439	266.00	549	384.00	418
96.00	740	183.00	297	270.00	188	386.00	55
98.00	9658	184.00	452	271.00	353	390.00	373
99.00	8335	185.00	3483	272.00	579	391.00	190
100.00	717	186.00	28464	273.00	3962	392.00	388
101.00	4710	187.00	8459	274.00	9419	393.00	74
102.00	175	188.00	1036	275.00	52288	401.00	85
103.00	1743	189.00	1717	276.00	6970	402.00	1483
104.00	2517	190.00	389	277.00	4374	403.00	1929
105.00	2675	191.00	874	278.00	840	404.00	452
106.00	1144	192.00	2595	279.00	128	405.00	253
107.00	34192	193.00	2823	281.00	63	410.00	102
108.00	6025	194.00	670	282.00	149	419.00	57
109.00	1156	195.00	424	283.00	711	421.00	1625
110.00	69992	196.00	7872	284.00	417	422.00	1648
111.00	9880	197.00	2203	285.00	863	423.00	11294
112.00	1219	198.00	223360	286.00	56	424.00	2317
113.00	357	199.00	15117	287.00	72	425.00	573
114.00	70	200.00	1004	289.00	60	427.00	64
116.00	1818	201.00	1260	290.00	178	429.00	115
117.00	24600	202.00	109	291.00	114	431.00	207

Date : 05-JUL-2005 13:40

Client ID: DFTPP02 Instrument: msx.i

Sample Info: SSTD2/5

Operator: d.may

Column phase: Column diameter: 2.00

Data File: Xs0264.D

Spectrum: Avg. Scans 1234-1236 (9.34), Background Scan 1230

Location of Maximum: 198.00

Number of points: 333

m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	1785	203.00	1403	292.00	237	432.00	152
119.00	261	204.00	7464	293.00	1047	433.00	190
120.00	569	205.00	12185	294.00	365	434.00	268
121.00	264	206.00	52592	295.00	276	435.00	357
122.00	1805	207.00	6865	296.00	14958	437.00	217
123.00	3256	208.00	1426	297.00	1932	439.00	119
124.00	1476	209.00	534	298.00	87	441.00	31696
125.00	1374	210.00	1501	299.00	59	442.00	218112
126.00	187	211.00	2147	301.00	83	443.00	39344
127.00	125560	212.00	223	302.00	271	444.00	3702
128.00	9137	213.00	86	303.00	2052	445.00	65
129.00	47864	214.00	213	304.00	564		
130.00	4018	215.00	716	305.00	51		
131.00	656	216.00	892	308.00	296		

Data File: \\target1_ct\files\chem\BNA\msx.i\X050419.b\Xs0422.D

Date : 12-JUL-2005 11:19

Client ID: SSTD4/10

Instrument: msx.i

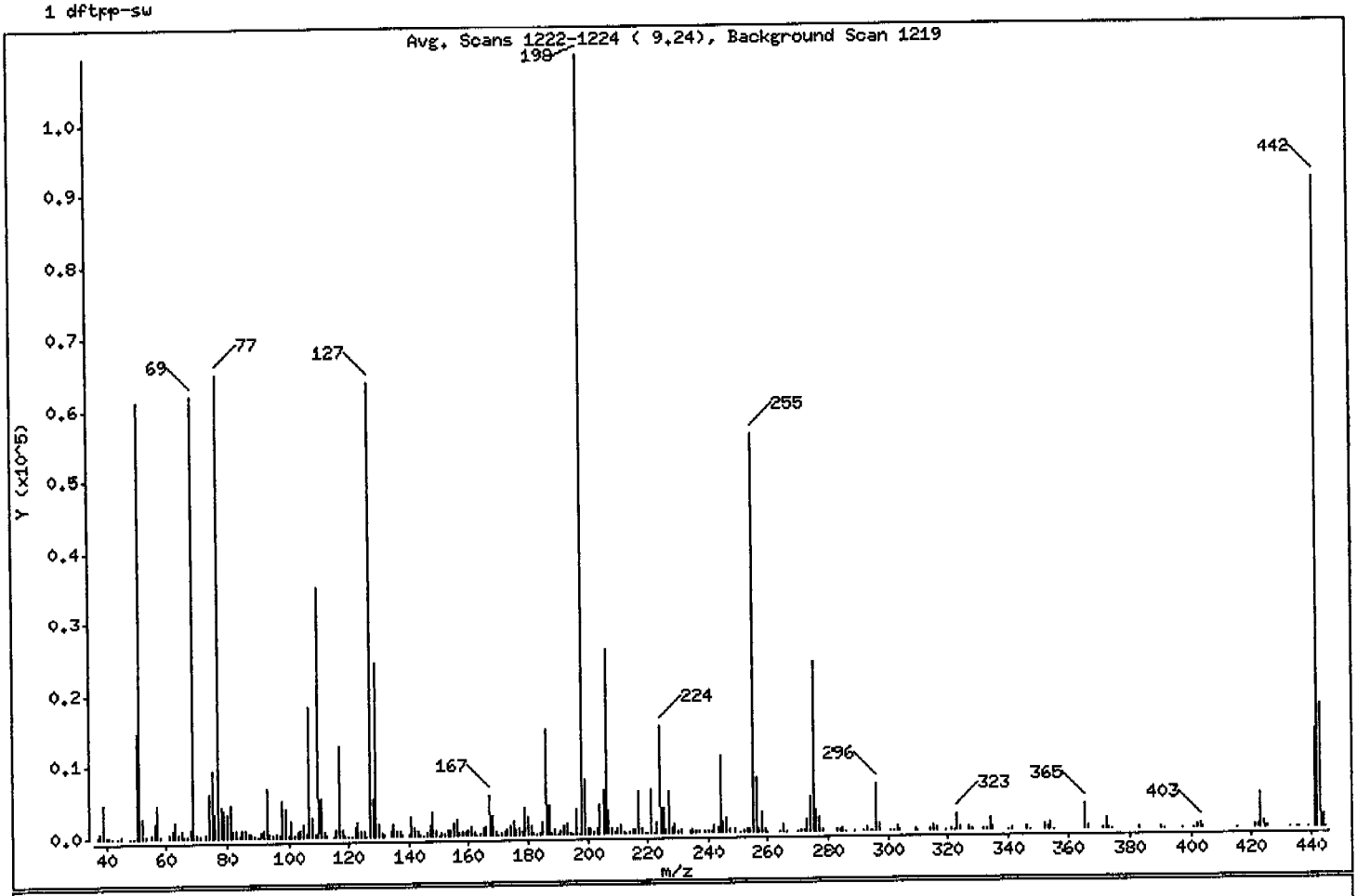
Sample Info: SSTD4/10

Operator: D.MAY

Column phase:

Column diameter: 2.00

1 dftpp-sw



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative aburdance	100.00
51	30.00 - 60.00% of mass 198	55.92
68	Less than 2.00% of mass 69	1.09 (1.93)
69	Less than 100.00% of mass 198	56.65
70	Less than 2.00% of mass 69	0.48 (0.84)
127	40.00 - 60.00% of mass 198	58.36
197	Less than 1.00% of mass 198	0.10
199	5.00 - 9.00% of mass 198	6.96
275	10.00 - 30.00% of mass 198	21.75
365	1.00 - 100.00% of mass 198	3.21
441	Present, but less than mass 443	12.43
442	40.00 - 100.00% of mass 198	83.31
443	17.00 - 23.00% of mass 442	15.70 (18.85)

Data File: \\target1_ct\files\chem\BNA\msx.i\X050419.b\Xs0422.D

Date : 12-JUL-2005 11:19

Client ID: SSTD4/10

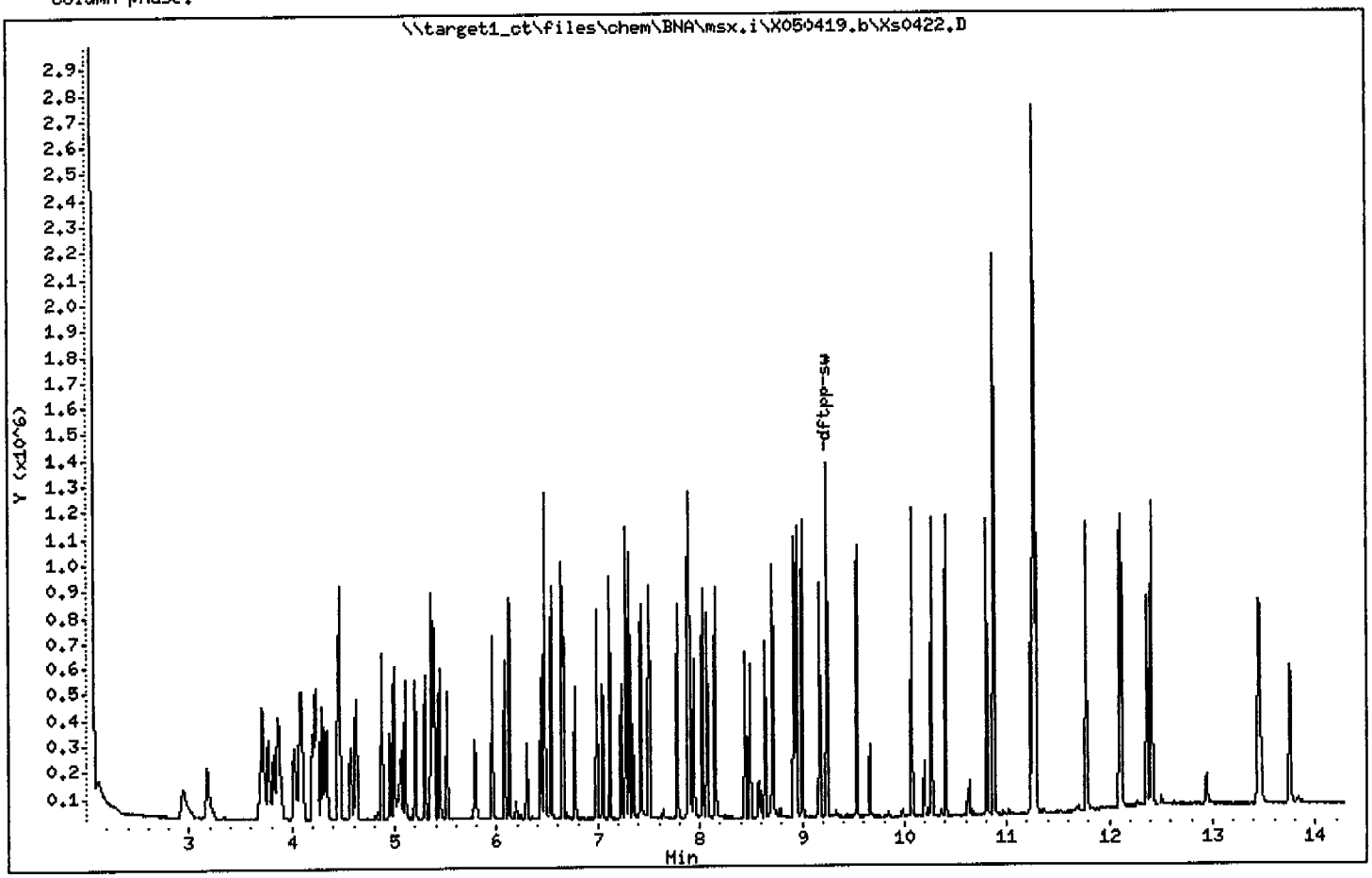
Instrument: msx.i

Sample Info: SSTD4/10

Operator: D.MAY

Column phase:

Column diameter: 2.00



Date : 12-JUL-2005 11:19

Client ID: SSTD4/10 Instrument: msx.i

Sample Info: SSTD4/10

Operator: D.MAY

Column phase: Column diameter: 2.00

Data File: Xs0422.D
Spectrum: Avg. Scans 1222-1224 (9.24), Background Scan 1219
Location of Maximum: 198.00
Number of points: 289

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	268	118.00	1073	193.00	1574	277.00	2050
38.00	654	119.00	215	194.00	345	278.00	312
39.00	4660	120.00	51	195.00	97	283.00	198
40.00	181	121.00	80	196.00	3608	284.00	199
41.00	126	122.00	1169	197.00	105	285.00	471
42.00	123	123.00	1904	198.00	109248	286.00	56
44.00	52	124.00	679	199.00	7606	289.00	51
45.00	183	125.00	722	200.00	674	292.00	106
48.00	117	126.00	70	201.00	640	293.00	503
49.00	98	127.00	63752	202.00	252	294.00	88
50.00	14634	128.00	5210	203.00	739	295.00	86
51.00	61088	129.00	24216	204.00	4001	296.00	6515
52.00	2850	130.00	1884	205.00	6066	297.00	1072
53.00	225	131.00	448	206.00	25696	301.00	54
55.00	458	132.00	263	207.00	3376	302.00	83
56.00	1897	134.00	702	208.00	750	303.00	692
57.00	4496	135.00	1725	209.00	316	304.00	253
58.00	184	136.00	724	210.00	727	309.00	133
61.00	604	137.00	672	211.00	1352	310.00	62
62.00	977	138.00	270	212.00	265	314.00	256
63.00	2340	140.00	362	213.00	109	315.00	822
64.00	410	141.00	2792	214.00	127	316.00	442
65.00	1009	142.00	1225	215.00	404	319.00	59
66.00	152	143.00	664	216.00	466	321.00	220
67.00	287	144.00	177	217.00	5713	322.00	55
68.00	1195	145.00	2	218.00	728	323.00	2340
69.00	61888	146.00	406	219.00	97	324.00	490
70.00	521	147.00	1449	220.00	122	327.00	400
71.00	185	148.00	3168	221.00	6082	328.00	146
73.00	539	149.00	646	222.00	77	332.00	169
74.00	5988	150.00	117	223.00	1542	333.00	214
75.00	9257	151.00	531	224.00	14882	334.00	1743
76.00	3252	152.00	234	225.00	3453	335.00	481
77.00	64920	153.00	680	226.00	480	340.00	86
78.00	4265	154.00	636	227.00	5709	341.00	132

Data File: \\target1_ct\files\chem\BNA\msx.i\X050419.b\Xs0422.D

Date : 12-JUL-2005 11:19

Client ID: SSTD4/10 Instrument: msx.i

Sample Info: SSTD4/10

Operator: D.MAY

Column phase: Column diameter: 2.00

Data File: Xs0422.D
Spectrum: Avg. Scans 1222-1224 (9,24), Background Scan 1219
Location of Maximum: 198.00
Number of points: 289

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	3824	155.00	1708	228.00	760	346.00	498
80.00	3343	156.00	2165	229.00	1267	347.00	59
81.00	4641	157.00	470	230.00	225	352.00	833
82.00	1115	158.00	628	231.00	490	353.00	447
83.00	945	159.00	468	234.00	274	354.00	911
84.00	181	160.00	874	235.00	398	355.00	96
85.00	923	161.00	1322	236.00	217	365.00	3502
86.00	1074	162.00	601	237.00	329	366.00	490
87.00	535	163.00	77	239.00	185	371.00	226
88.00	397	164.00	191	240.00	241	372.00	1465
89.00	193	165.00	915	241.00	331	373.00	260
90.00	82	166.00	1207	242.00	902	374.00	67
91.00	817	167.00	5504	243.00	699	383.00	344
92.00	1106	168.00	2861	244.00	10483	390.00	149
93.00	6792	169.00	443	245.00	1476	391.00	104
94.00	505	170.00	55	246.00	1902	397.00	50
95.00	202	171.00	132	247.00	413	401.00	50
96.00	418	172.00	399	249.00	419	402.00	456
97.00	300	173.00	765	251.00	117	403.00	645
98.00	5006	174.00	1163	252.00	229	404.00	300
99.00	4140	175.00	2070	253.00	473	415.00	60
100.00	337	176.00	687	254.00	495	421.00	519
101.00	2311	177.00	1054	255.00	55976	422.00	551
102.00	145	178.00	418	256.00	7428	423.00	4818
103.00	704	179.00	3676	257.00	493	424.00	913
104.00	1115	180.00	2469	258.00	2823	425.00	176
105.00	1647	181.00	1231	259.00	478	433.00	75
106.00	592	182.00	282	260.00	66	435.00	76
107.00	18152	183.00	73	264.00	112	436.00	94
108.00	2743	184.00	269	265.00	1003	439.00	52
109.00	623	185.00	1812	266.00	114	441.00	13583
110.00	34920	186.00	14628	270.00	65	442.00	91016
111.00	5290	187.00	4101	271.00	240	443.00	17152
112.00	686	188.00	252	272.00	129	444.00	1697
113.00	279	189.00	841	273.00	1716	445.00	55

Data File: \\target1_ct\files\chem\BNA\msx.i\X050419.b\Xs0422.D

Date : 12-JUL-2005 11:19

Client ID: SSTD4/10

Instrument: msx.i

Sample Info: SSTD4/10

Operator: D.MAY

Column phase:

Column diameter: 2.00

Data File: Xs0422.D
Spectrum: Avg. Scans 1222-1224 (9.24), Background Scan 1219
Location of Maximum: 198.00
Number of points: 289

m/z	Y	m/z	Y	m/z	Y	m/z	Y
115.00	123	190.00	116	274.00	4751		
116.00	915	191.00	605	275.00	23760		
117.00	12594	192.00	1239	276.00	2939		

QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/17/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Leachate Extraction Blank 1		51281 -003	10.00000	07/12/2005	1237

Test Method.....: 8270C Equipment Code....: MSX Analyst...: jdw
Method Description.: Semivolatile Organics Batch.....: 51646

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Pyridine, TCLP	mg/L	0.00462 U							
1,4-Dichlorobenzene, TCLP	mg/L	0.00092 U							
2-Methylphenol, TCLP	mg/L	0.00118 U							
Hexachloroethane, TCLP	mg/L	0.00212 U							
4-Methylphenol, TCLP	mg/L	0.00066 U							
Nitrobenzene, TCLP	mg/L	0.00158 U							
Hexachlorobutadiene, TCLP	mg/L	0.00168 U							
2,4,6-Trichlorophenol, TCLP	mg/L	0.00158 U							
2,4,5-Trichlorophenol, TCLP	mg/L	0.00156 U							
2,4-Dinitrotoluene, TCLP	mg/L	0.00160 U							
Hexachlorobenzene, TCLP	mg/L	0.00214 U							
Pentachlorophenol, TCLP	mg/L	0.01008 U							

STL-Connecticut

Semivolatile REPORT SW-846 Method 8270

Data file : \\target1_ct\files\chem\BNA\msx.i\X050419.b\X0425.D
Lab Smp Id: 51281-3EB1 Client Smp ID: 51281-3EB1
Inj Date : 12-JUL-2005 12:37 MS Autotune Date: 15-JUN-2004 12:29
Operator : D.MAY Inst ID: msx.i
Smp Info : 51281-3EB1
Misc Info : : ;50;0.500;
Comment :
Method : \\target1_ct\Files\chem\BNA\msx.i\X050419.b\MSX-8270LL.m
Meth Date : 15-Jul-2005 16:15 joan Quant Type: ISTD
Cal Date : 05-JUL-2005 15:58 Cal File: X0270.D
Als bottle: 2
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: tclp.sub
Target Version: 4.10
Processing Host: CONSVOA

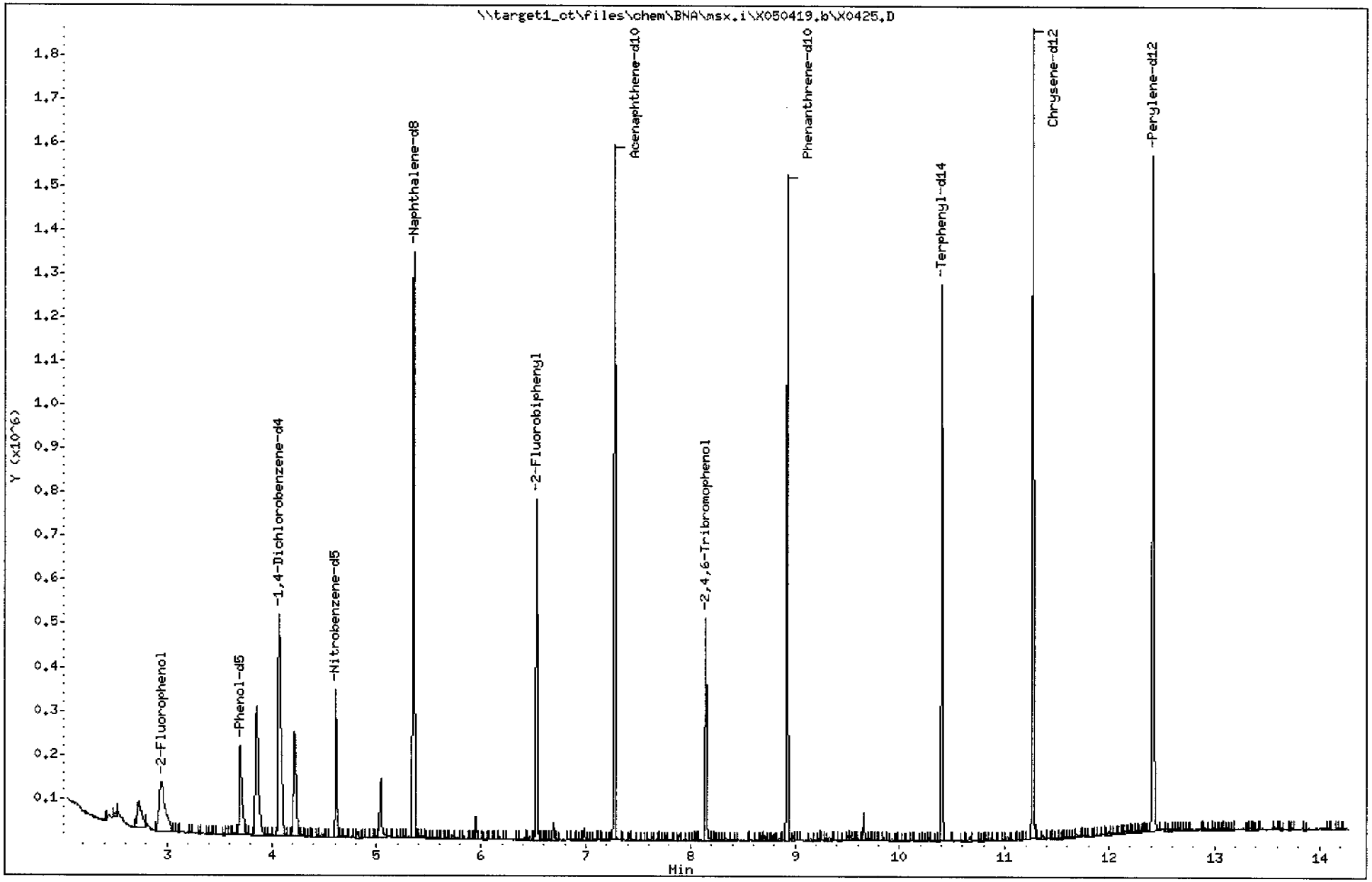
Concentration Formula: Amt * DF * Uf * Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	500.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
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	4.074	4.074	(1.000)	135869	5.00000	
$ 2	2-Fluorophenol	112	2.945	2.939	(0.723)	106465	2.60684	52
$ 3	Phenol-d5	99	3.704	3.704	(0.909)	129639	2.29012	46
* 20	Naphthalene-d8	136	5.356	5.356	(1.000)	596226	5.00000	
$ 21	Nitrobenzene-d5	82	4.609	4.609	(0.861)	122648	2.45827	49
* 35	Acenaphthene-d10	164	7.274	7.274	(1.000)	314372	5.00000	
$ 40	2-Fluorobiphenyl	172	6.533	6.533	(0.898)	210412	2.34596	47
$ 56	2,4,6-Tribromophenol	330	8.150	8.150	(1.120)	49912	4.78479	96
* 57	Phenanthrene-d10	188	8.927	8.927	(1.000)	504810	5.00000	
* 70	Chrysene-d12	240	11.268	11.268	(1.000)	494705	5.00000	
$ 73	Terphenyl-d14	244	10.403	10.403	(0.923)	274826	2.87109	57
* 79	Perylene-d12	264	12.421	12.415	(1.000)	499530	5.00000	

Data File: \\target1_ct\files\chem\BNA\msx.i\X050419.b\X0425.D
Date : 12-JUL-2005 12:37
Client ID: 51281-3EB1
Sample Info: 51281-3EB1
Volume Injected (uL): 1.0
Column phase: ZEBRON-5MS

Instrument: msx.i
Operator: D.MAY
Column diameter: 0.50



STL-Connecticut

QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/17/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		51281 -001	10.00000	07/12/2005	1213

Test Method.....: 8270C Equipment Code....: MSX Analyst...: jdw
Method Description.: Semivolatile Organics Batch.....: 51646

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Pyridine, TCLP	mg/L	0.00231 U							
1,4-Dichlorobenzene, TCLP	mg/L	0.00046 U							
2-Methylphenol, TCLP	mg/L	0.00059 U							
Hexachloroethane, TCLP	mg/L	0.00106 U							
4-Methylphenol, TCLP	mg/L	0.00033 U							
Nitrobenzene, TCLP	mg/L	0.00079 U							
Hexachlorobutadiene, TCLP	mg/L	0.00084 U							
2,4,6-Trichlorophenol, TCLP	mg/L	0.00079 U							
2,4,5-Trichlorophenol, TCLP	mg/L	0.00078 U							
2,4-Dinitrotoluene, TCLP	mg/L	0.00080 U							
Hexachlorobenzene, TCLP	mg/L	0.00107 U							
Pentachlorophenol, TCLP	mg/L	0.00504 U							

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

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Semivolatile REPORT SW-846 Method 8270

Data file : \\target1_ct\files\chem\BNA\msx.i\X050419.b\X0424.D
Lab Smp Id: 51281-1MB Client Smp ID: 51281-1MB
Inj Date : 12-JUL-2005 12:13 MS Autotune Date: 15-JUN-2004 12:29
Operator : D.MAY Inst ID: msx.i
Smp Info : 51281-1MB
Misc Info : : MB ;50;0.500;
Comment :
Method : \\target1_ct\Files\chem\BNA\msx.i\X050419.b\MSX-8270LL.m
Meth Date : 15-Jul-2005 16:15 joan Quant Type: ISTD
Cal Date : 05-JUL-2005 15:58 Cal File: X0270.D
Als bottle: 1 QC Sample: BLANK
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: std2.sub
Target Version: 4.10
Processing Host: CONSVOA

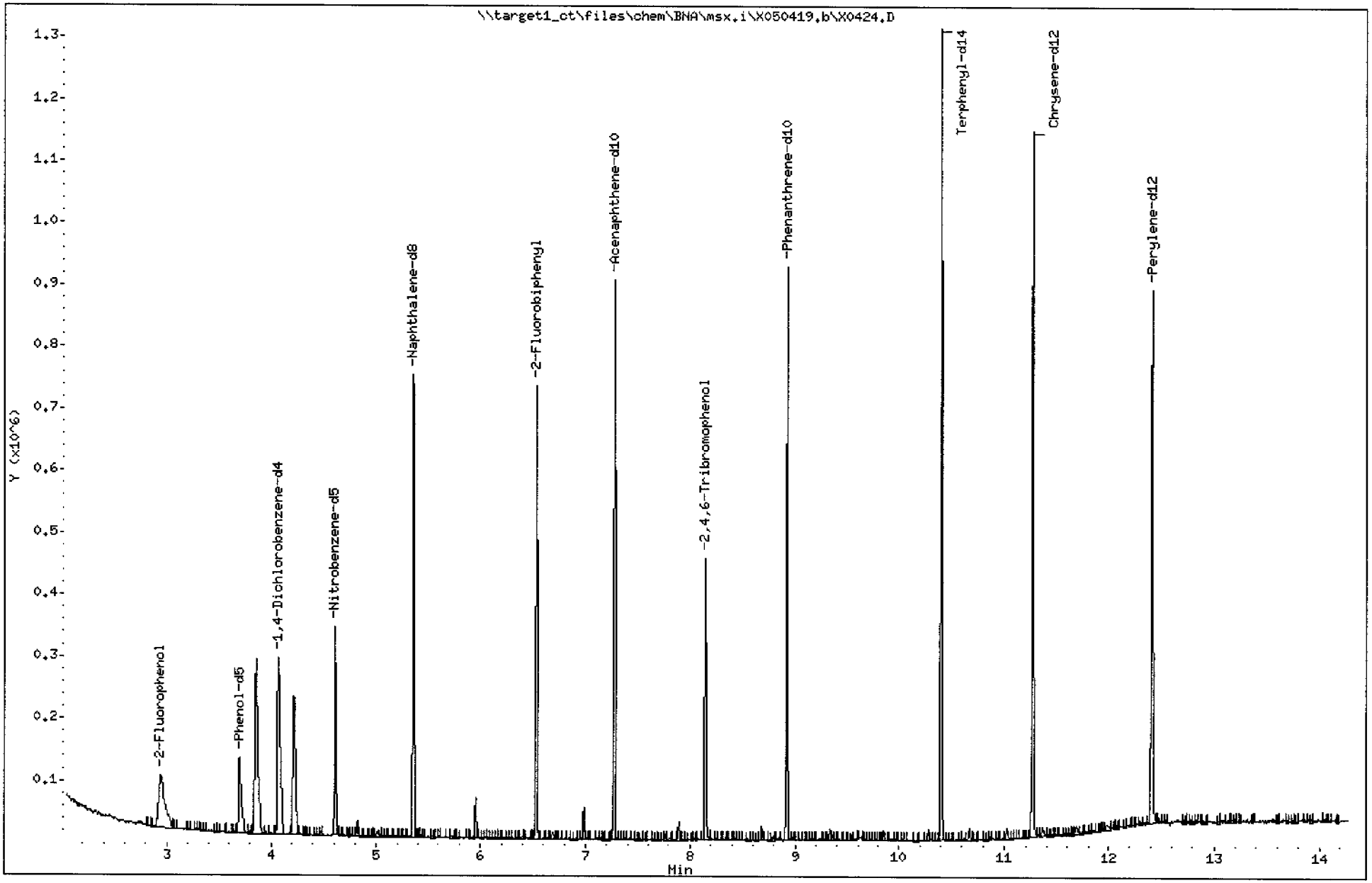
Concentration Formula: Amt * DF * Uf * Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	10.000	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	InjectionVol
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	4.074	4.074	(1.000)	77968	5.00000	
$ 2	2-Fluorophenol	112	2.939	2.939	(0.721)	90880	3.87776	39
$ 3	Phenol-d5	99	3.698	3.704	(0.908)	76557	2.35674	24
* 20	Naphthalene-d8	136	5.351	5.356	(1.000)	336257	5.00000	
$ 21	Nitrobenzene-d5	82	4.609	4.609	(0.862)	117847	4.18819	42
* 35	Acenaphthene-d10	164	7.274	7.274	(1.000)	180236	5.00000	
$ 40	2-Fluorobiphenyl	172	6.533	6.533	(0.898)	198694	3.86400	39
$ 56	2,4,6-Tribromophenol	330	8.150	8.150	(1.120)	44910	7.50937	75
* 57	Phenanthrene-d10	188	8.921	8.927	(1.000)	285705	5.00000	
* 70	Chrysene-d12	240	11.268	11.268	(1.000)	272444	5.00000	
$ 73	Terphenyl-d14	244	10.403	10.403	(0.923)	280766	5.32602	53
* 79	Perylene-d12	264	12.415	12.415	(1.000)	266264	5.00000	

Data File: \\target1_ct\files\chem\BNA\msx.i\X050419.b\X0424.D
Date : 12-JUL-2005 12:13
Client ID: 51281-1MB
Sample Info: 51281-1MB
Volume Injected (uL): 1.0
Column phase: ZEBRON-5MS

Instrument: msx.i
Operator: D.MAY
Column diameter: 0.50



QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/17/2005

CUSTOMER: ERM PROJECT: RABCO PRODUCTS ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		51060 -001		07/07/2005	1148

Test Method.....: 8270C Equipment Code....: MSU Analyst...: jdw
Method Description.: Semivolatile Organics Batch.....: 51645

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Pyridine, TCLP	mg/L	0.00231 U							
1,4-Dichlorobenzene, TCLP	mg/L	0.00046 U							
2-Methylphenol, TCLP	mg/L	0.00059 U							
Hexachloroethane, TCLP	mg/L	0.00106 U							
4-Methylphenol, TCLP	mg/L	0.00033 U							
Nitrobenzene, TCLP	mg/L	0.00079 U							
Hexachlorobutadiene, TCLP	mg/L	0.00084 U							
2,4,6-Trichlorophenol, TCLP	mg/L	0.00079 U							
2,4,5-Trichlorophenol, TCLP	mg/L	0.00078 U							
2,4-Dinitrotoluene, TCLP	mg/L	0.00080 U							
Hexachlorobenzene, TCLP	mg/L	0.00107 U							
Pentachlorophenol, TCLP	mg/L	0.00504 U							

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

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Semivolatile REPORT SW-846 Method 8270

Data file : \\target1_ct\files\chem\BNA\msu.i\U059622.b\U9624.D
Lab Smp Id: 51060-1MB Client Smp ID: 51060-1MB
Inj Date : 07-JUL-2005 11:48 MS Autotune Date: 04-FEB-2005 14:15
Operator : k.wilczak Inst ID: msu.i
Smp Info : MB
Misc Info : : MB ;51060;0.500;
Comment :
Method : \\Target1_ct\Files\chem\BNA\msu.i\U059622.b\Msu8270.m
Meth Date : 15-Jul-2005 13:18 joan Quant Type: ISTD
Cal Date : 06-JUL-2005 14:13 Cal File: U9599.D
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: std2.sub
Target Version: 4.10
Processing Host: CONMSU

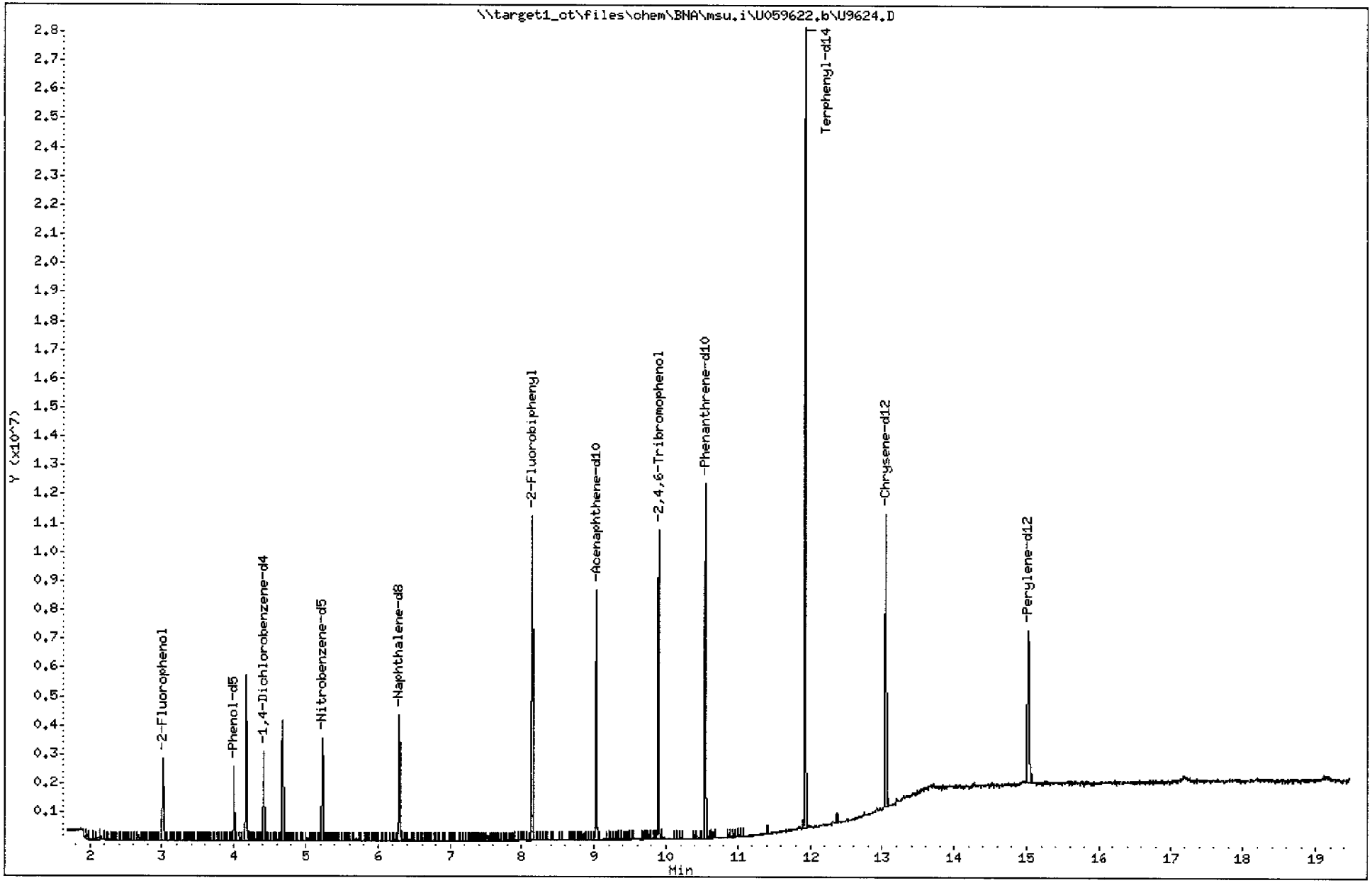
Concentration Formula: Amt * DF * Uf * Vt/(Vo*Vi) * CpndVariable

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	InjectionVol
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	4.415	4.414	(1.000)	577026	20.0000	
$ 2 2-Fluorophenol	112	3.010	3.009	(0.682)	942332	28.9558	29
$ 3 Phenol-d5	99	3.998	3.998	(0.906)	862434	18.5544	19
* 20 Naphthalene-d8	136	6.295	6.290	(1.000)	2639100	20.0000	
$ 21 Nitrobenzene-d5	82	5.227	5.232	(0.830)	1443216	32.5826	33
* 35 Acenaphthene-d10	164	9.030	9.025	(1.000)	2042824	20.0000	
$ 40 2-Fluorobiphenyl	172	8.143	8.143	(0.902)	4272217	34.5545	35
$ 56 2,4,6-Tribromophenol	330	9.896	9.896	(1.096)	913746	62.0752	62
* 57 Phenanthrene-d10	188	10.542	10.542	(1.000)	3934293	20.0000	
* 70 Chrysene-d12	240	13.048	13.042	(1.000)	3577861	20.0000	
$ 73 Terphenyl-d14	244	11.926	11.920	(0.914)	7787774	48.7061	49
* 79 Perylene-d12	264	15.024	15.013	(1.000)	3026134	20.0000	

Data File: \\target1_ct\files\chem\BNA\msu.i\U059622.b\U9624.D
Date : 07-JUL-2005 11:48
Client ID: 51060-1MB
Sample Info: MB
Volume Injected (uL): 1.0
Column phase: RTX-5

Instrument: msu.i
Operator: k.wilczak
Column diameter: 0.25



QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/17/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	E05DSPK006	51060 -002		07/07/2005	1216

Test Method.....: 8270C Equipment Code....: MSU Analyst...: jdw
Method Description.: Semivolatile Organics Batch.....: 51645

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Pyridine, TCLP	mg/L	0.01721 J		0.04000	0.00231 U	43	%	2-67	
1,4-Dichlorobenzene, TCLP	mg/L	0.02394		0.04000	0.00046 U	60	%	21-84	
2-Methylphenol, TCLP	mg/L	0.02679		0.04000	0.00059 U	67	%	37-88	
Hexachloroethane, TCLP	mg/L	0.02280		0.04000	0.00106 U	57	%	13-85	
4-Methylphenol, TCLP	mg/L	0.04605		0.08000	0.00033 U	58	%	35-102	
Nitrobenzene, TCLP	mg/L	0.02943		0.04000	0.00079 U	74	%	42-102	
Hexachlorobutadiene, TCLP	mg/L	0.02499		0.04000	0.00084 U	62	%	17-89	
2,4,6-Trichlorophenol, TCLP	mg/L	0.03447		0.04000	0.00079 U	86	%	49-112	
2,4,5-Trichlorophenol, TCLP	mg/L	0.03425 J		0.04000	0.00078 U	86	%	50-115	
2,4-Dinitrotoluene, TCLP	mg/L	0.03861		0.04000	0.00080 U	97	%	55-130	
Hexachlorobenzene, TCLP	mg/L	0.03729		0.04000	0.00107 U	93	%	57-120	
Pentachlorophenol, TCLP	mg/L	0.03609 J		0.04000	0.00504 U	90	%	33-134	

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

STL-Connecticut

Semivolatile REPORT SW-846 Method 8270

Data file : \\target1_ct\files\chem\BNA\msu.i\U059622.b\U9625.D
Lab Smp Id: 51060-2LCS Client Smp ID: 51060-2LCS
Inj Date : 07-JUL-2005 12:16 MS Autotune Date: 04-FEB-2005 14:15
Operator : k.wilczak Inst ID: msu.i
Smp Info : LCS
Misc Info : : LCS;51060;0.500;0.400;fms0505_wa.spk
Comment :
Method : \\Target1_ct\Files\chem\BNA\msu.i\U059622.b\Msu8270.m
Meth Date : 15-Jul-2005 13:18 joan Quant Type: ISTD
Cal Date : 06-JUL-2005 14:13 Cal File: U9599.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: std2.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	InjectionVol
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	4.414	4.414	(1.000)	569689	20.0000	
$	2 2-Fluorophenol	112	3.015	3.009	(0.683)	1010600	31.4535	31
$	3 Phenol-d5	99	3.998	3.998	(0.906)	938905	20.4598	20
	4 Pyridine	52	1.722	1.717	(0.390)	241294	17.2142	17
	5 N-Nitrosodimethylamine	42	1.701	1.701	(0.385)	178271	15.8104	16(M)
	7 Phenol	94	4.014	4.014	(0.909)	552543	11.8015	12
	8 Aniline	93	4.062	4.062	(0.920)	1274170	22.2613	22
	9 bis(2-Chloroethyl)ether	63	4.115	4.115	(0.932)	666373	29.3197	29
	10 2-Chlorophenol	128	4.190	4.190	(0.949)	1103027	28.5501	29
	11 1,3-Dichlorobenzene	146	4.372	4.366	(0.990)	1010079	22.2592	22
	12 1,4-Dichlorobenzene	146	4.436	4.430	(1.005)	1106128	23.9382	24
	13 Benzyl alcohol	108	4.607	4.607	(1.044)	634434	27.7494	28
	14 1,2-Dichlorobenzene	146	4.692	4.692	(1.063)	1058710	24.7612	25
	15 2,2'-oxybis(1-Chloropropane)	45	4.826	4.826	(1.093)	1038613	29.5402	30
	16 2-Methylphenol	108	4.778	4.778	(1.082)	940375	26.7864	27
	17 Hexachloroethane	117	5.136	5.130	(1.163)	440182	22.8020	23
	18 N-Nitroso-di-n-propylamine	70	5.029	5.023	(1.139)	838598	31.4334	31
	19 4-Methylphenol	108	4.986	4.981	(1.129)	1777898	46.0505	46
*	20 Naphthalene-d8	136	6.295	6.290	(1.000)	2631822	20.0000	
$	21 Nitrobenzene-d5	82	5.232	5.232	(0.831)	1605364	36.3435	36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
	22 Nitrobenzene	77	5.259	5.258	(0.835)	1231326	29.4289	29
	23 Isophorone	82	5.590	5.584	(0.888)	2494014	32.5816	33
	24 2-Nitrophenol	139	5.739	5.734	(0.912)	711117	31.4678	31
	25 2,4-Dimethylphenol	122	5.782	5.777	(0.919)	1016471	28.2387	28
	27 Bis(2-Chloroethoxy)methane	93	5.932	5.932	(0.942)	1492032	29.8800	30
	28 2,4-Dichlorophenol	162	6.081	6.081	(0.966)	1104650	29.7564	30
	29 1,2,4-Trichlorobenzene	180	6.231	6.225	(0.990)	1157944	26.1861	26
	30 Naphthalene	128	6.322	6.322	(1.004)	3723963	28.3269	28
	31 4-Chloroaniline	127	6.439	6.434	(1.023)	1540067	28.1416	28
	32 Hexachlorobutadiene	225	6.610	6.605	(1.050)	651636	24.9910	25
	33 4-Chloro-3-methylphenol	107	7.299	7.305	(1.160)	1383750	33.5940	34
	34 2-Methylnaphthalene	142	7.534	7.534	(1.197)	2938931	29.9818	30
*	35 Acenaphthene-d10	164	9.030	9.025	(1.000)	2013562	20.0000	
	37 Hexachlorocyclopentadiene	237	7.908	7.908	(0.876)	720338	23.7565	24
	38 2,4,6-Trichlorophenol	196	8.031	8.031	(0.889)	1161542	34.4710	34
	39 2,4,5-Trichlorophenol	196	8.079	8.085	(0.895)	1252011	34.2526	34
$	40 2-Fluorobiphenyl	172	8.143	8.143	(0.902)	4845816	39.7635	40
	41 2-Chloronaphthalene	162	8.282	8.282	(0.917)	3373943	30.5637	31
	42 2-Nitroaniline	65	8.475	8.469	(0.938)	1093100	36.2193	36
	43 Acenaphthylene	152	8.843	8.838	(0.979)	6499319	36.8979	37
	44 Dimethylphthalate	163	8.742	8.742	(0.968)	4580719	37.4308	37
	45 2,6-Dinitrotoluene	165	8.833	8.832	(0.978)	1078434	40.2122	40
	46 Acenaphthene	153	9.068	9.062	(1.004)	4087723	34.5654	35
	47 3-Nitroaniline	138	8.998	8.998	(0.996)	1209582	39.4182	39
	48 2,4-Dinitrophenol	184	9.116	9.116	(1.009)	482296	34.1594	34
	49 Dibenzofuran	168	9.244	9.244	(1.024)	6296468	37.5605	38
	50 2,4-Dinitrotoluene	165	9.287	9.287	(1.028)	1499148	38.6078	39
	51 4-Nitrophenol	109	9.180	9.185	(1.017)	269062	14.9450	15
	52 Fluorene	166	9.623	9.618	(1.066)	5417125	37.8206	38
	53 4-Chlorophenyl-phenylether	204	9.612	9.612	(1.064)	2591077	36.8778	37
	54 Diethylphthalate	149	9.543	9.538	(1.057)	4865569	37.9281	38
	55 4-Nitroaniline	138	9.682	9.677	(1.072)	1293808	38.3693	38
$	56 2,4,6-Tribromophenol	330	9.896	9.896	(1.096)	1118343	77.0786	77
*	57 Phenanthrene-d10	188	10.542	10.542	(1.000)	3783363	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	9.719	9.714	(0.922)	873074	38.9674	39
	59 N-Nitrosodiphenylamine (1)	169	9.746	9.741	(0.924)	4085982	38.3520	38
	60 1,2-Diphenylhydrazine	77	9.773	9.773	(0.927)	5476455	36.0075	36
	61 4-Bromophenyl-phenylether	248	10.099	10.099	(0.958)	1536735	37.7733	38
	62 Hexachlorobenzene	284	10.259	10.253	(0.973)	1440493	37.2891	37
	63 Pentachlorophenol	266	10.419	10.419	(0.988)	740306	36.0896	36
	64 Phenanthrene	178	10.563	10.563	(1.002)	8024635	40.1606	40
	65 Carbazole	167	10.745	10.745	(1.019)	7521938	40.0480	40
	66 Anthracene	178	10.601	10.601	(1.006)	7996041	39.4008	39
	67 Di-n-butylphthalate	149	11.023	11.023	(1.046)	7805102	39.0579	39
	68 Fluoranthene	202	11.616	11.616	(1.102)	7959254	37.9707	38
*	70 Chrysene-d12	240	13.037	13.042	(1.000)	3470154	20.0000	
	72 Pyrene	202	11.830	11.829	(0.907)	8968592	40.3295	40
$	73 Terphenyl-d14	244	11.915	11.920	(0.914)	7388544	47.6435	48
	74 Butylbenzylphthalate	149	12.374	12.380	(0.949)	3900222	39.0990	39
	75 3,3'-Dichlorobenzidine	252	12.957	12.962	(0.994)	2258060	33.0717	33
	76 Benzo(a)anthracene	228	13.015	13.021	(0.998)	8066649	37.2656	37
	77 Chrysene	228	13.064	13.069	(1.002)	8038289	38.9602	39
	78 Bis(2-Ethylhexyl)phthalate	149	12.903	12.909	(0.990)	4963945	36.7957	37
*	79 Perylene-d12	264	15.008	15.013	(1.000)	2822047	20.0000	

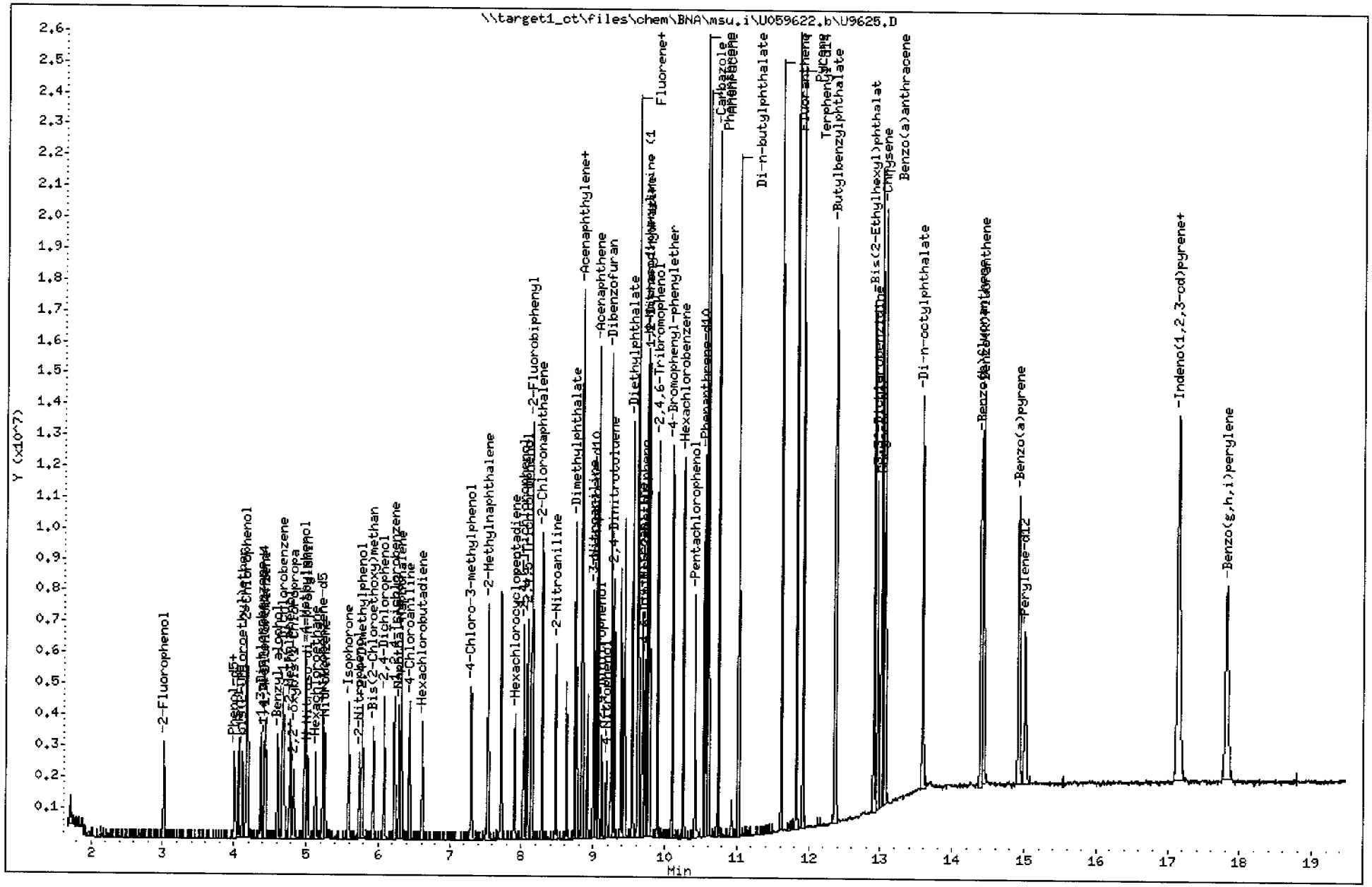
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
80 Di-n-octylphthalate	149	13.587	13.592	(0.905)	7925275	41.5389	42
81 Benzo(b)fluoranthene	252	14.394	14.399	(0.959)	7411624	42.8855	43
82 Benzo(k)fluoranthene	252	14.426	14.431	(0.961)	6149504	34.9501	35
83 Benzo(a)pyrene	252	14.917	14.923	(0.994)	5715033	37.4174	37
84 Indeno(1,2,3-cd)pyrene	276	17.150	17.156	(1.143)	6825921	36.6356	37
85 Dibenzo(a,h)anthracene	278	17.145	17.150	(1.142)	5638941	37.0558	37
86 Benzo(g,h,i)perylene	276	17.813	17.818	(1.187)	5734453	37.5376	38

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target1_ct\files\chem\BNA\msu.i\U059622.b\U9625.D
Date : 07-JUL-2005 12:16
Client ID: 51060-2LCS
Sample Info: LCS
Volume Injected (uL): 1.0
Column phase: RTX-5

Instrument: msu.i
Operator: k.wilczak
Column diameter: 0.25



QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/17/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	E05DSPK006	51281 -004		07/12/2005	1259

Test Method.....: 8270C Equipment Code....: MSX Analyst...: jdw
Method Description.: Semivolatile Organics Batch.....: 51646

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Pyridine, TCLP	mg/L	0.00414		0.00800	0.00462 U	52	%	10-107	
1,4-Dichlorobenzene, TCLP	mg/L	0.00459		0.00800	0.00092 U	57	%	32-104	
2-Methylphenol, TCLP	mg/L	0.00603		0.00800	0.00118 U	75	%	42-117	
Hexachloroethane, TCLP	mg/L	0.00448		0.00800	0.00212 U	56	%	28-105	
4-Methylphenol, TCLP	mg/L	0.01222		0.01600	0.00066 U	76	%	37-117	
Nitrobenzene, TCLP	mg/L	0.00620		0.00800	0.00158 U	77	%	44-120	
Hexachlorobutadiene, TCLP	mg/L	0.00545		0.00800	0.00168 U	68	%	28-110	
2,4,6-Trichlorophenol, TCLP	mg/L	0.00696		0.00800	0.00158 U	87	%	50-121	
2,4,5-Trichlorophenol, TCLP	mg/L	0.00742 J		0.00800	0.00156 U	93	%	50-126	
2,4-Dinitrotoluene, TCLP	mg/L	0.00734		0.00800	0.00160 U	92	%	55-130	
Hexachlorobenzene, TCLP	mg/L	0.00634		0.00800	0.00214 U	79	%	54-129	
Pentachlorophenol, TCLP	mg/L	0.00784 J		0.00800	0.01008 U	98	%	35-154	

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

STL-Connecticut

Semivolatile REPORT SW-846 Method 8270

Data file : \\target1_ct\files\chem\BNA\msx.i\X050419.b\X0426.D
Lab Smp Id: 51281-4LCS Client Smp ID: 51281-4LCS
Inj Date : 12-JUL-2005 12:59 MS Autotune Date: 15-JUN-2004 12:29
Operator : D.MAY Inst ID: msx.i
Smp Info : 51281-4LCS
Misc Info : : LCS;51281;0.500;0.400;
Comment :
Method : \\target1_ct\Files\chem\BNA\msx.i\X050419.b\MSX-8270LL.m
Meth Date : 15-Jul-2005 16:15 joan Quant Type: ISTD
Cal Date : 05-JUL-2005 15:58 Cal File: X0270.D
Als bottle: 3 QC Sample: BS
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: tclp.sub
Target Version: 4.10
Processing Host: CONSVOA

Concentration Formula: Amt * DF * Uf * Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	500.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

			QUANT SIG					CONCENTRATIONS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (NG)	FINAL (ug/L)
*	1	1,4-Dichlorobenzene-d4	152	4.068	4.074	(1.000)	107341	5.00000	
$	2	2-Fluorophenol	112	2.945	2.939	(0.724)	141793	4.39458	88
$	3	Phenol-d5	99	3.704	3.704	(0.910)	154635	3.45768	69
	4	Pyridine	52	2.133	2.121	(0.524)	57101	2.07243	41(M)
	12	1,4-Dichlorobenzene	146	4.092	4.086	(1.006)	88676	2.29474	46
	16	2-Methylphenol	108	4.292	4.292	(1.055)	98202	3.01644	60
	17	Hexachloroethane	117	4.562	4.562	(1.121)	36730	2.24162	45
	19	4-Methylphenol	108	4.445	4.439	(1.093)	204388	6.11189	120
*	20	Naphthalene-d8	136	5.356	5.356	(1.000)	468997	5.00000	
$	21	Nitrobenzene-d5	82	4.609	4.609	(0.861)	146497	3.73283	75
	22	Nitrobenzene	77	4.627	4.627	(0.864)	120243	3.09981	62
	32	Hexachlorobutadiene	225	5.509	5.509	(1.029)	39869	2.72295	54
*	35	Acenaphthene-d10	164	7.274	7.274	(1.000)	253964	5.00000	
	38	2,4,6-Trichlorophenol	196	6.433	6.433	(0.884)	55978	3.47999	70
	39	2,4,5-Trichlorophenol	196	6.462	6.468	(0.888)	61556	3.71043	74
$	40	2-Fluorobiphenyl	172	6.533	6.533	(0.898)	263463	3.63615	73
	50	2,4-Dinitrotoluene	165	7.492	7.492	(1.030)	71223	3.66822	73
$	56	2,4,6-Tribromophenol	330	8.150	8.150	(1.120)	60856	7.22160	140
*	57	Phenanthrene-d10	188	8.921	8.927	(1.000)	403401	5.00000	
	62	Hexachlorobenzene	284	8.491	8.491	(0.952)	67784	3.16784	63

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)	
	63 Pentachlorophenol	266	8.715	8.715	(0.977)	36518	3.91938	78	
*	70 Chrysene-d12	240	11.274	11.268	(1.000)	392724	5.00000		
$	73 Terphenyl-d14	244	10.403	10.403	(0.923)	299408	3.94014	79	
*	79 Perylene-d12	264	12.421	12.415	(1.000)	406766	5.00000		

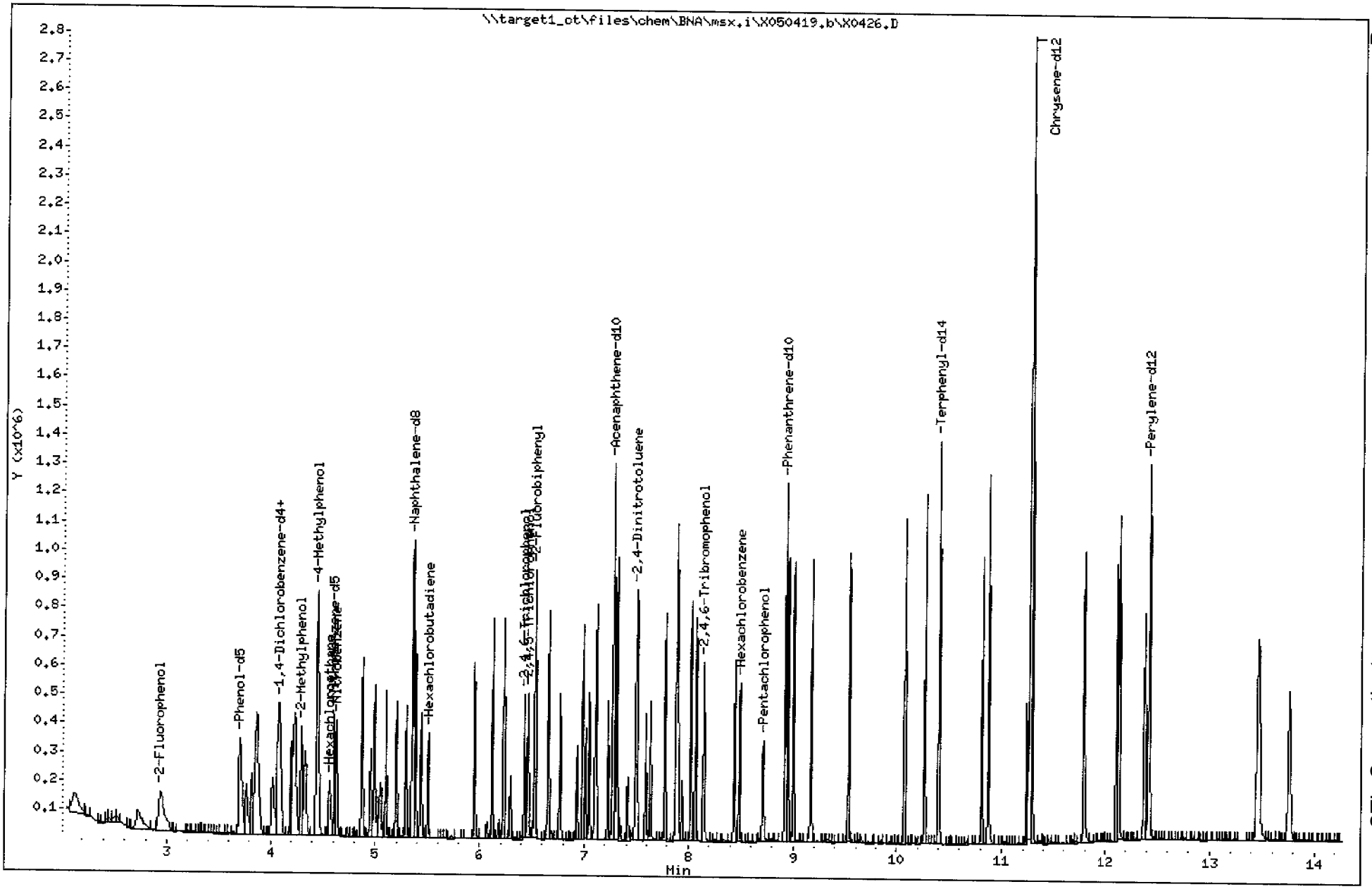
QC Flag Legend

M - Compound response manually integrated.

Data File: \\target1_ct\files\chem\BNA\msx.i\X050419.b\X0426.D
Date : 12-JUL-2005 12:59
Client ID: 51281-4LCS
Sample Info: 51281-4LCS
Volume Injected (uL): 1.0
Column phase: ZEBRON-5MS

Instrument: msx.i

Operator: D.MAY
Column diameter: 0.50



BNA Water

Organic Sample Preparation Log

51281

Parameter	SW8270 LIQ	Ext. Meth	3510	Na2SO4 Lot #	E04KSLV007	Extraction Date	7/11/05
Conc MS/MSD				Alumina Lot	—	Concentration Date	07/11/05
Surrogate By	mL			Reagent H2O Lot	RW070705	Surrogate Code	E05DSUR003
Spike By	mL	MeCl2 Lot #	E05DSLV002	H2SO4 Lot #	E05ARGT002	Spike Code	E05DSPK006
Extracted By	mL	Acetone Lot#		NaOH Lot #	E05ARGT001	Witness	RL
Int. Conc By		1:1 MeCL/Acet lot#		Cont.EXT Start time			
Final Conc By	SBW			Cont. EXT Stop time			

Client	STL Sample #	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	071105-B01	NA	NA	1000	500	NA	NA	1mL	NA	
	B01 FMS	↓	7/-	1000		400			↓	
AES	210094-01	mL	5/-	930					241782	Field Blank
Roux	210105-01		8/-	1000					241985	MW-4R
	02		8/-	1000					242005	Duplicate1
	03		11/-	930					242028	MW-5R High pH
↓	↓ 04		8/-	930					242044	MW-CDM-3
Roux	210103-20		5/-	950					241633	FB-8S
H+A	210107-01		8/-	1000					242118	B102-OW
Roux	210113-04		5/-	1000					242109	FB-9S
Roux	210125-03		5/-	1000					242639	FB-10S
Sikorsky	210110-01	↓	6/-	920		↓			242147	07072005 neon extract
TCLP Blank	071105-B01	NA	5/-	500					NA	
	B01 TCLP QC		5/-	500		400				
BB+L	210011-18		8/-	500		NA				
ERM	210034-01		7/-	500						
BB+L	210106-01	↓	5/-	500	↓	↓	↓		↓	
CHA	209979-06	mL	7/-	1000	↓	↓	↓	↓	239083	OW-21R

BNA Water

51060

Organic Sample Preparation Log

Parameter	SW846 LIQ	Ext. Meth	3510	Na2SO4 Lot #	E04KSLV007	Extraction Date	07/05/05
Corr. MS/MSD				Alumina Lot		Concentration Date	07/06/05
Surrogate By	RL			Reagent H2O Lot	RW070105	Surrogate Code	E05DSUR003
Spike By	RL	MeCl2 Lot #	E05DSLV002	H2SO4 Lot #	E05ARGT002	Spike Code	E05DSPK006
Extracted By	RL	Acetone Lot#		NaOH Lot #	E05ARGT001	Witness	ML
Int. Conc By		1:1 MeCL/Acet lot#		Cont.EXT Start time			
Final Conc By	MY			Cont. EXT Stop time			

Client	STL Sample #	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	070505-B01	N/A	7/-	1000	500	N/A	N/A	1ml		
	B01 FMS	↓	7/-	1000		400				
BB+L	210011-13	RL	12/-	1000		N/A			241017	MW-104 pH Adjusted to 6
	14		7/-	900					241033	MW-102
	15		7/-	920					241050	MW-101
	16		7/-	1000					241063	MW-103
Langan	210025-02		7/-	920					240257	WSS-B12GW-062905
	04		7/-	1000					240264	WSS-B9GW-062905
ERM	210030-01		6/-	930					240469	FB062905
	02		7/-	950					240450	SW-01
Scientech	210033-01		6/-	1000					240614	MW-1
	02		6/-	1000		↓			240621	MW-2
	02 MS		6/-	1000		400			240623	MW-2
	02 MSD		6/-	1000		400			240625	MW-2
	05		6/-	1000		N/A			240642	MW-4
	06		7/-	1000					240650	MW-5
	07		7/-	1000					240657	MW-6
	08		7/-	1000					240664	Equip Blank
ERM	210034-02		12/-	900					240596	WC-01 pH Adjusted to 7
Scientech	210035-05	↓	6/-	1000	↓	↓	↓	↓	240611	Equip Blank

STL CT Form# SPF00105.CT Reviewed by ______ Date: ______ STL CT Logbook # SP1.90

LABORATORY TEST RESULTS

Job Number: 210034

Date: 07/15/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: WC-02
Date Sampled.....: 06/28/2005
Time Sampled.....: 10:05
Sample Matrix.....: Soil

Laboratory Sample ID: 210034-1
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
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, TCLP	ND	U		0.0195	0.200	1	mg/L	51194		07/08/05 1353	nnp
	Barium, TCLP	0.638			0.0037	0.0250	1	mg/L	51194		07/08/05 1353	nnp
	Cadmium, TCLP	ND	U		0.0055	0.0500	1	mg/L	51194		07/08/05 1353	nnp
	Chromium, TCLP	ND	U		0.0065	0.0500	1	mg/L	51194		07/08/05 1353	nnp
	Lead, TCLP	ND	U		0.0150	0.0500	1	mg/L	51194		07/08/05 1353	nnp
	Selenium, TCLP	ND	U		0.0250	0.150	1	mg/L	51194		07/08/05 1353	nnp
	Silver, TCLP	ND	U		0.0055	0.0300	1	mg/L	51194		07/08/05 1353	nnp
7470A	Leachable, Mercury (CVAA)											
	Mercury, TCLP	ND	U		0.00090	0.0100	1.0000	mg/L	51184		07/08/05 1622	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 210034

Date: 07/15/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: WC-01
Date Sampled.....: 06/28/2005
Time Sampled.....: 10:40
Sample Matrix.....: Water

Laboratory Sample ID: 210034-2
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
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, TCLP	ND	U		0.0195	0.200	1	mg/L	51194		07/08/05 1359	nnp
	Barium, TCLP	0.389			0.0037	0.0250	1	mg/L	51194		07/08/05 1359	nnp
	Cadmium, TCLP	ND	U		0.0055	0.0500	1	mg/L	51194		07/08/05 1359	nnp
	Chromium, TCLP	0.0164	B		0.0065	0.0500	1	mg/L	51194		07/08/05 1359	nnp
	Lead, TCLP	ND	U		0.0150	0.0500	1	mg/L	51194		07/08/05 1359	nnp
	Selenium, TCLP	ND	U		0.0250	0.150	1	mg/L	51194		07/08/05 1359	nnp
	Silver, TCLP	ND	U		0.0055	0.0300	1	mg/L	51194		07/08/05 1359	nnp
7470A	Leachable, Mercury (CVAA)											
	Mercury, TCLP	ND	U		0.00090	0.0100	1.0000	mg/L	51184		07/08/05 1623	nnp

* In Description = Dry Wgt.

QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/15/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank		51194-009		07/08/2005	1205

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nmp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 51194

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	ug/L	3.9	U						
Barium	ug/L	0.7	U						
Cadmium	ug/L	1.1	U						
Chromium	ug/L	1.3	U						
Lead	ug/L	3.0	U						
Selenium	ug/L	5.0	U						
Silver	ug/L	1.1	U						

Page 5 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/15/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank		51194-015		07/08/2005	1317

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: mnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 51194

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	ug/L	3.9	U						
Barium	ug/L	0.7	U						
Cadmium	ug/L	1.1	U						
Chromium	ug/L	1.3	U						
Lead	ug/L	3.0	U						
Selenium	ug/L	5.0	U						
Silver	ug/L	1.1	U						

Page 6 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 210034

Report Date.: 07/15/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank		51194-027		07/08/2005	1429

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICAP1
Batch.....: 51194

Analyst...: nnp

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	ug/L	3.9	U						
Barium	ug/L	0.7	U						
Cadmium	ug/L	1.1	U						
Chromium	ug/L	1.3	U						
Lead	ug/L	3.0	U						
Selenium	ug/L	5.0	U						
Silver	ug/L	1.1	U						

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

QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/15/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	M05GWRK006	51194-008		07/08/2005	1159

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 51194

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	ug/L	515.85		500.00		103	%	90-110	
Barium	ug/L	506.93		500.00		101	%	90-110	
Cadmium	ug/L	497.08		500.00		99	%	90-110	
Chromium	ug/L	499.51		500.00		100	%	90-110	
Lead	ug/L	507.77		500.00		102	%	90-110	
Selenium	ug/L	501.85		500.00		100	%	90-110	
Silver	ug/L	50.67		50.00		101	%	90-110	

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

QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/15/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	M05GWRK006	51194-014		07/08/2005	1311

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: mnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 51194

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	ug/L	522.81		500.00		105	%	90-110	
Barium	ug/L	510.07		500.00		102	%	90-110	
Cadmium	ug/L	502.08		500.00		100	%	90-110	
Chromium	ug/L	506.37		500.00		101	%	90-110	
Lead	ug/L	514.58		500.00		103	%	90-110	
Selenium	ug/L	508.02		500.00		102	%	90-110	
Silver	ug/L	49.39		50.00		99	%	90-110	

QUALITY CONTROL RESULTS

Job Number.: 210034

Report Date.: 07/15/2005

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

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	M05FWRK006	51194-026		07/08/2005	1423

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICAP1
Batch.....: 51194

Analyst...: nnp

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	ug/L	523.45		500.00		105	%	90-110	
Barium	ug/L	511.76		500.00		102	%	90-110	
Cadmium	ug/L	504.11		500.00		101	%	90-110	
Chromium	ug/L	505.81		500.00		101	%	90-110	
Lead	ug/L	514.70		500.00		103	%	90-110	
Selenium	ug/L	511.93		500.00		102	%	90-110	
Silver	ug/L	50.46		50.00		101	%	90-110	

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

QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/15/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CRI	Contract Required Detection Limits	M05GWRK007	51194-005		07/08/2005	1141

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nmp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 51194

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	ug/L	14.02	B	15.00		93		50-150	
Barium	ug/L	209.12		200.00		105		50-150	
Cadmium	ug/L	5.24	B	5.00		105		50-150	
Chromium	ug/L	10.98		10.00		110		50-150	
Lead	ug/L	10.39		10.00		104		50-150	
Selenium	ug/L	38.74		35.00		111		50-150	
Silver	ug/L	10.16		10.00		102		50-150	

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

QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/15/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
ICB	Initial Calibration Blank		51194-004		07/08/2005	1135

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 51194

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	ug/L	3.9	U							
Barium	ug/L	0.7	U							
Cadmium	ug/L	1.1	U							
Chromium	ug/L	1.3	U							
Lead	ug/L	3.0	U							
Selenium	ug/L	5.0	U							
Silver	ug/L	1.1	U							

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

QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/15/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
ICV	Initial Calibration Verification	M05GWRK005	51194-003		07/08/2005	1129

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 51194

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	ug/L	1044.37		1000.00		104		90-110	
Barium	ug/L	1016.47		1000.00		102		90-110	
Cadmium	ug/L	997.19		1000.00		100		90-110	
Chromium	ug/L	996.35		1000.00		100		90-110	
Lead	ug/L	1023.15		1000.00		102		90-110	
Selenium	ug/L	1019.47		1000.00		102		90-110	
Silver	ug/L	100.19		100.00		100		90-110	

QUALITY CONTROL RESULTS

Job Number.: 210034

Report Date.: 07/15/2005

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

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
ISB	Interference Check Sample B	M05GWRK009	51194-007		07/08/2005	1153

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICAP1
Batch.....: 51194

Analyst...: nnp

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	ug/L	100.865		100.000		101		80-120	
Barium	ug/L	467.206		500.000		93		80-120	
Cadmium	ug/L	878.614		1000.000		88		80-120	
Chromium	ug/L	446.582		500.000		89		80-120	
Lead	ug/L	51.913		50.000		104		80-120	
Selenium	ug/L	42.684		50.000		85		80-120	
Silver	ug/L	196.017		200.000		98		80-120	

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

QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/15/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	M05FLCS003	51129 -002		07/08/2005	1417

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nmp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 51194

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	ug/L	1071.64		1000.00		107	%	80-120	
Barium	ug/L	317.10		300.00		106	%	80-120	
Cadmium	ug/L	315.74		300.00		105	%	80-120	
Chromium	ug/L	318.52		300.00		106	%	80-120	
Lead	ug/L	1048.76		1000.00		105	%	80-120	
Selenium	ug/L	560.58		500.00		112	%	80-120	
Silver	ug/L	306.29		300.00		102	%	80-120	

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

QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/15/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		51129 -001		07/08/2005	1411

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 51194

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	ug/L	3.9	U						
Barium	ug/L	0.7	U						
Cadmium	ug/L	1.1	U						
Chromium	ug/L	1.3	U						
Lead	ug/L	3.0	U						
Selenium	ug/L	5.0	U						
Silver	ug/L	1.1	U						

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

QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/15/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		210033-2		07/08/2005	1511

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 51194

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic	ug/L	3.90	U			3.90	U	0.8749		3.9000	
Barium	ug/L	80.54				81.74		1.5		20.0	
Cadmium	ug/L	1.10	U			1.10	U	0.1028		1.1000	
Chromium	ug/L	1.30	U			1.30	U	0.0989		1.3000	
Lead	ug/L	3.00	U			3.00	U	0.6226		3.0000	
Selenium	ug/L	5.00	U			5.00	U	1.5926		5.0000	
Silver	ug/L	1.10	U			1.10	U	0.0652		1.1000	

Page 23 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/15/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	M03EWRK023	210033-2		07/08/2005	1517

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 51194

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic	ug/L	42.16		40.00	3.90	U	105		75-125	
Barium	ug/L	2200.60		2000.00	81.74		106		75-125	
Cadmium	ug/L	54.46		50.00	1.10	U	109		75-125	
Chromium	ug/L	214.79		200.00	1.30	U	107		75-125	
Lead	ug/L	19.71		20.00	3.00	U	99		75-125	
Selenium	ug/L	58.49		50.00	5.00	U	117		75-125	
Silver	ug/L	48.90		50.00	1.10	U	98		75-125	

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

QUALITY CONTROL RESULTS

Job Number.: 210034

Report Date.: 07/15/2005

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

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
SD	Serial Dilution		210034-2		07/08/2005	1405

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICAP1
Batch.....: 51194

Analyst...: mnp

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic, TCLP	mg/L	0.01950 U			0.01950 U				
Barium, TCLP	mg/L	0.07836			0.38913	0.7		10.0	
Cadmium, TCLP	mg/L	0.00550 U			0.00550 U				
Chromium, TCLP	mg/L	0.00650 U			0.01636 B				
Lead, TCLP	mg/L	0.01500 U			0.01500 U				
Selenium, TCLP	mg/L	0.02500 U			0.02500 U				
Silver, TCLP	mg/L	0.00550 U			0.00550 U				

Page 25 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 210034

Report Date.: 07/15/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Test Method.....: 7470A
Method Description.: Leachable, Mercury (CVAA)
Parameter.....: Mercury

Batch.....: 51184
Equipment Code....: MERC1

Analyst...: mnp
Test Code.: HG

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc. F	*	Limits	Date	Time
ICV	51184-001	M05GWRK001	ug/L	491.96			500.00			98		80-120	07/08/2005	1616
ICB	51184-002		ug/L	0.2	U								07/08/2005	1617
MB	51134 -001		ug/L	0.2	U								07/08/2005	1618
LCS	51134 -002	M04JSTK001	ug/L	8967.20			10000.00			90	%	80-120	07/08/2005	1619
CCV	51184-013	M05GWRK001	ug/L	487.95			500.00			98	%	80-120	07/08/2005	1628
CCB	51184-014		ug/L	0.2	U								07/08/2005	1629
MD	210038-3		ug/L	0.18	U			0.18	U	0.0110		0.1800	07/08/2005	1630
MS	210038-3	M04AWRK010	ug/L	1.99			2.00	0.18	U	99		75-125	07/08/2005	1631
CCV	51184-018	M05GWRK001	ug/L	496.88			500.00			99	%	80-120	07/08/2005	1642
CCB	51184-019		ug/L	0.2	U								07/08/2005	1643

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

U.S. EPA-CLP
10
METHOD DETECTION LIMITS

Lab Name: STL _____ Contract: _____

Lab Code: STL Case No. : _____ SAS No.: _____ SDG No.:

ICP ID Number: ICP _____ Date: 02/01/05

Analyte	Wavelength (nm)	Background	RL (ug/L)	MDL (ug/L)	M
Aluminum	308.20		500.0	92.0	P
Antimony	206.83		20.0	5.4	P
Arsenic	189.00		40.0	3.9	P
Barium	493.40		5.0	0.74	P
Beryllium	313.00		5.0	0.54	P
Cadmium	226.50		10.0	1.1	P
Calcium	317.93		300.0	56.0	P
Chromium	267.70		10.0	1.3	P
Cobalt	228.61		10.0	1.8	P
Copper	324.75		10.0	4.3	P
Iron	271.44		100.0	54.0	P
Lead	220.35		10.0	3.0	P
Magnesium	279.07		100.0	26.0	P
Manganese	257.61		15.0	6.9	P
Mercury	253.70		0.4	0.07	CV
Nickel	231.60		10.0	1.9	P
Potassium	766.49		400.0	191	P
Selenium	196.02		30.0	5.0	P
Silver	328.06		6.0	1.1	P
Sodium	588.90		400.0	98.0	P
Thallium	190.80		40.0	10.0	P
Vanadium	292.40		6.0	1.5	P
Zinc	213.85		50.0	11.0	P
Boron	249.60		60.0	27.0	P

Comments:

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FORM X – IN

U.S. EPA-CLP

11A

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:				
		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:

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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:

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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 (Quarterly)

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	15000.0	P
Sodium	250000.0	P
Thallium	15000.0	P
Vanadium	15000.0	P
Zinc	15000.0	P

Comments:

FORM XII – IN

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: 07/08/2005 End Date: 07/08/2005

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
STD	1.00	1112																								
STD	1.00	1118																								
ICV	1.00	1129			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB	1.00	1135			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI	1.00	1141			X	X	X		X	X		X	X	X	X	X	X	X	X	X		X	X	X	X	X
ICSA	1.00	1147				X						X					X		X							
ICSAB	1.00	1153			X	X	X		X	X		X	X	X	X	X	X		X	X			X	X	X	X
CCV	1.00	1159			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB	1.00	1205			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1235																								
ZZZZZZ	1.00	1253																								
ZZZZZZ	1.00	1259																								
ZZZZZZ	1.00	1305																								
CCV	1.00	1311			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB	1.00	1317			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1323																								
ZZZZZZ	1.00	1329																								
ZZZZZZ	1.00	1335																								
ZZZZZZ	5.00	1341																								
ZZZZZZ	1.00	1347																								
WC-02	1.00	1353			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WC-01	1.00	1359			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WC-01L	1.00	1405			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB	1.00	1411			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCSW	1.00	1417			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV	1.00	1423			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB	1.00	1429			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1435																								
ZZZZZZ	1.00	1441																								
ZZZZZZ	1.00	1447																								

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: 07/08/2005 End Date: 07/08/2005

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
ZZZZZZ	1.00	1453																							
ZZZZZZ	1.00	1459																							
ZZZZZZ	1.00	1505																							
MW-2D	1.00	1511			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-2S	1.00	1517			X	X	X		X	X		X	X	X	X	X	X	X	X	X		X	X	X	X
MW-2L	1.00	1523			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1529																							
CCV	1.00	1535			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB	1.00	1541			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1547																							
ZZZZZZ	1.00	1553																							
ZZZZZZ	1.00	1559																							
ZZZZZZ	10.00	1605																							
ZZZZZZ	10.00	1611																							
ZZZZZZ	10.00	1617																							
ZZZZZZ	10.00	1623																							
ZZZZZZ	10.00	1629																							
ZZZZZZ	10.00	1635																							
ZZZZZZ	10.00	1641																							
CCV	1.00	1648			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB	1.00	1654			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	10.00	1700																							
ZZZZZZ	10.00	1706																							
ZZZZZZ	1.00	1712																							
ZZZZZZ	1.00	1718																							
ZZZZZZ	1.00	1724																							
ZZZZZZ	1.00	1730																							
ZZZZZZ	1.00	1736																							
ZZZZZZ	25.00	1755																							
CCV	1.00	1801			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X

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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: 07/08/2005 End Date: 07/08/2005

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
CCB	1.00	1807			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X

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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: 07/08/2005 End Date: 07/08/2005

EPA Sample No.	D/F	Time	% R	Analytes																							
				SE	SI	SN	SR	TI	TL	V	ZN	ZR															
STD	1.00	1112																									
STD	1.00	1118																									
ICV	1.00	1129		X	X	X	X	X	X	X	X	X															
ICB	1.00	1135		X	X	X	X	X	X	X	X	X															
CRI	1.00	1141		X					X	X	X																
ICSA	1.00	1147																									
ICSAB	1.00	1153		X					X	X	X																
CCV	1.00	1159		X	X	X	X	X	X	X	X	X															
CCB	1.00	1205		X	X	X	X	X	X	X	X	X															
ZZZZZZ	1.00	1235																									
ZZZZZZ	1.00	1253																									
ZZZZZZ	1.00	1259																									
ZZZZZZ	1.00	1305																									
CCV	1.00	1311		X	X	X	X	X	X	X	X	X															
CCB	1.00	1317		X	X	X	X	X	X	X	X	X															
ZZZZZZ	1.00	1323																									
ZZZZZZ	1.00	1329																									
ZZZZZZ	1.00	1335																									
ZZZZZZ	5.00	1341																									
ZZZZZZ	1.00	1347																									
WC-02	1.00	1353		X	X	X	X	X	X	X	X	X															
WC-01	1.00	1359		X	X	X	X	X	X	X	X	X															
WC-01L	1.00	1405		X	X	X	X	X	X	X	X	X															
MB	1.00	1411		X	X	X	X	X	X	X	X	X															
LCSW	1.00	1417		X				X	X	X	X																
CCV	1.00	1423		X	X	X	X	X	X	X	X	X															
CCB	1.00	1429		X	X	X	X	X	X	X	X	X															
ZZZZZZ	1.00	1435																									
ZZZZZZ	1.00	1441																									
ZZZZZZ	1.00	1447																									

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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: 07/08/2005 End Date: 07/08/2005

EPA Sample No.	D/F	Time	% R	Analytes																						
				SE	SI	SN	SR	TI	TL	V	ZN	ZR														
ZZZZZZ	1.00	1453																								
ZZZZZZ	1.00	1459																								
ZZZZZZ	1.00	1505																								
MW-2D	1.00	1511		X	X	X	X	X	X	X	X	X														
MW-2S	1.00	1517		X					X	X	X															
MW-2L	1.00	1523		X	X	X	X	X	X	X	X	X														
ZZZZZZ	1.00	1529																								
CCV	1.00	1535		X	X	X	X	X	X	X	X	X														
CCB	1.00	1541		X	X	X	X	X	X	X	X	X														
ZZZZZZ	1.00	1547																								
ZZZZZZ	1.00	1553																								
ZZZZZZ	1.00	1559																								
ZZZZZZ	10.00	1605																								
ZZZZZZ	10.00	1611																								
ZZZZZZ	10.00	1617																								
ZZZZZZ	10.00	1623																								
ZZZZZZ	10.00	1629																								
ZZZZZZ	10.00	1635																								
ZZZZZZ	10.00	1641																								
CCV	1.00	1648		X	X	X	X	X	X	X	X	X														
CCB	1.00	1654		X	X	X	X	X	X	X	X	X														
ZZZZZZ	10.00	1700																								
ZZZZZZ	10.00	1706																								
ZZZZZZ	1.00	1712																								
ZZZZZZ	1.00	1718																								
ZZZZZZ	1.00	1724																								
ZZZZZZ	1.00	1730																								
ZZZZZZ	1.00	1736																								
ZZZZZZ	25.00	1755																								
CCV	1.00	1801		X	X	X	X	X	X	X	X	X														

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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: 07/08/2005 End Date: 07/08/2005

EPA Sample No.	D/F	Time	% R	Analytes																													
				SE	SI	SN	SR	TI	TL	V	ZN	ZR																					
CCB	1.00	1807		X	X	X	X	X	X	X	X	X																					

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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		
WC-02	1.00	1622		X
WC-01	1.00	1623		X
ZZZZZZ	1.00	1624		
ZZZZZZ	1.00	1625		
ZZZZZZ	1.00	1626		
ZZZZZZ	1.00	1627		
CCV	1.00	1628		X
CCB	1.00	1629		X
SW-01D	1.00	1630		X
SW-01S	1.00	1631		X
ZZZZZZ	1.00	1632		
CCV	1.00	1642		X
CCB	1.00	1643		X

Table Name: D070805 Autosampler Type: TYPE TJA
Sample Positions: 141/192 QC Positions: 0/19 # Sets: 1
Rinse Station location is rack -1, pos. -1.

--- Racks ---

Rack #	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	45	1
4	Sample (16mm)	Samples	48	1
5	Sample (16mm)	Samples	48	1

--- Sample Sets ---

Set#	Type	Prepare?	Description	Method	#Pos	Rack#	StartPos
1	Normal	No		STL3	51	2	1

--- Preparation Info ---

Set#	Uptake	Uptake#2	Final	Dil.Factor

No Samples Prepared.

Rack #1

Pos	Row	Col	Sample Name	Set #	#Used	Type
1	1	1	STD2	-NA-	1	Standard
2	1	2	STD1	-NA-	1	Standard
3	1	3	ICVM05GWRK005	-NA-	1	QC Standard
4	1	4	ICB	-NA-	1	QC Standard
5	1	5	CRIM05GWRK007	-NA-	1	QC Standard
6	1	6	ISAM05GWRK008	-NA-	1	QC Standard
7	1	7	ISBM05GWRK009	-NA-	1	QC Standard
8	1	8	CCVM05GWRK006	-NA-	1	QC Standard
9	1	9	CCB	-NA-	1	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	210050-1			1	-NA-	Sample
4	1	4	210050-1	SD 5		1	-NA-	Sample
5	1	5	210049-1			1	-NA-	Sample
6	1	6	210049-1	MD		1	-NA-	Sample
7	1	7	210049-1	MS		1	-NA-	Sample
8	1	8	210049-2			1	-NA-	Sample
9	1	9	210049-3			1	-NA-	Sample
10	1	10	210049-4			1	-NA-	Sample
11	1	11	210049-5		~~5~~	1	-NA-	Sample
12	1	12	210049-6		~~5~~	1	-NA-	Sample
13	2	1	210049-7		~~5~~	1	-NA-	Sample
14	2	2	210049-8		5	1	-NA-	Sample
15	2	3	210016-1	P		1	-NA-	Sample
16	2	4	210034-1	C		1	-NA-	Sample
17	2	5	210034-2	C		1	-NA-	Sample
18	2	6	210034-2	C-SD 5		1	-NA-	Sample
19	2	7	MB			1	-NA-	Sample
20	2	8	LCSM05FLCS003			1	-NA-	Sample
21	2	9	210032-1			1	-NA-	Sample
22	2	10	210032-1	D		1	-NA-	Sample
23	2	11	210032-2			1	-NA-	Sample
24	2	12	210032-2	D		1	-NA-	Sample
25	3	1	210033-1			1	-NA-	Sample
26	3	2	210033-2			1	-NA-	Sample
27	3	3	210033-2	MD		1	-NA-	Sample
28	3	4	210033-2	MS		1	-NA-	Sample
29	3	5	210033-2	SD 5		1	-NA-	Sample
30	3	6	210033-5			1	-NA-	Sample
31	3	7	210033-6			1	-NA-	Sample
32	3	8	210033-7			1	-NA-	Sample
33	3	9	210033-9			1	-NA-	Sample
34	3	10	210042-1		10	1	-NA-	Sample
35	3	11	210042-2		10	1	-NA-	Sample
36	3	12	210042-3		10	1	-NA-	Sample
37	4	1	210042-4		10	1	-NA-	Sample
38	4	2	210042-5		10	1	-NA-	Sample
39	4	3	210042-6		10	1	-NA-	Sample
40	4	4	210042-7		10	1	-NA-	Sample
41	4	5	210042-8		10	1	-NA-	Sample
42	4	6	210042-9		10	1	-NA-	Sample
43	4	7	210044-1	D		1	-NA-	Sample
44	4	8	210044-2	D		1	-NA-	Sample
45	4	9	210044-3	D		1	-NA-	Sample
46	4	10	210044-4	D		1	-NA-	Sample
47	4	11	210044-5	D		1	-NA-	Sample
48	4	12	210069-1	S		1	-NA-	Sample

NV. 7/8/05

Rack #3

Pos	Row	Col	Sample Name	Set #	#Used	Type
1	1	1	210069-2 S 5	1	-NA-	Sample
2	1	2	~~(empty)~~ 210050 - 1 25	1	-NA-	-NA-
3	1	3	(empty)	1	-NA-	-NA-
(4...48	Not Used)					

NF 718106

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: 07/08/05 11:12:29

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Avge	-.00047	.04518	-.00169	.0586	.00051	.00316	.00720
SDev	.00033	.00449	.00121	.0002	.00004	.00004	.00012
%RSD	71.429	9.9367	71.519	.2861	7.5307	1.2198	1.6038
#1	-.00080	.05033	-.00034	.0585	.00047	.00320	.00707
#2	-.00047	.04307	-.00267	.0588	.00053	.00313	.00727
#3	-.00013	.04213	-.00207	.0587	.00053	.00313	.00727

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Avge	-.00013	-.00071	-.00007	.01804	.00080	.17753	.00064
SDev	.00007	.00023	.00024	.00033	.00031	.00260	.00014
%RSD	50.000	32.924	360.56	1.8225	38.188	1.4664	21.534
#1	-.00020	-.00093	-.00033	.01827	.00047	.17453	.00053
#2	-.00013	-.00047	.00000	.01767	.00107	.17887	.00080
#3	-.00007	-.00073	.00013	.01820	.00087	.17920	.00060

Elem	Mn2576	Mo2020	Na5889	Ni2316	Sb2068	Tl1908	2203/1
Avge	.00044	.00033	.06473	-.00053	.00124	-.00038	.03220
SDev	.00008	.00012	.00013	.00023	.00106	.00015	.00668
%RSD	17.321	34.641	.20598	43.301	85.435	40.754	20.759
#1	.00040	.00040	.06460	-.00067	.00007	-.00047	.03040
#2	.00053	.00020	.06487	-.00027	.00153	-.00047	.03960
#3	.00040	.00040	.06473	-.00067	.00213	-.00020	.02660

Elem	2203/2	1960/1	1960/2	V_2924	Zn2138	Si2881	Sn1899
Avge	-.00060	-.01356	.00644	-.00053	.00022	.01804	-.00240
SDev	.00106	.00144	.00142	.00007	.00004	.00021	.00052
%RSD	176.38	10.598	21.953	12.500	17.321	1.1876	21.695
#1	-.00140	-.01407	.00580	-.00060	.00020	.01820	-.00180
#2	-.00100	-.01193	.00807	-.00053	.00027	.01813	-.00273
#3	.00060	-.01467	.00547	-.00047	.00020	.01780	-.00267

Elem	Sr4215	Ti3349	Zr3496
Avge	.0171	.00096	-.0000
SDev	.0001	.00037	.0007
%RSD	.6766	38.425	3180.
#1	.0169	.00113	-.0007
#2	.0171	.00053	.0007
#3	.0171	.00120	-.0001

Method: STL3 Standard: STD2
Run Time: 07/08/05 11:18:32

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Avge	.16944	1.9742	.42029	1.674	4.6542	1.8107	9.4043
SDev	.00091	.0094	.00344	.006	.0109	.0055	.0447
%RSD	.53706	.47368	.81837	.3538	.23420	.30610	.47555
#1	.16847	1.9641	.41840	1.668	4.6458	1.8043	9.3529
#2	.17027	1.9759	.42426	1.674	4.6503	1.8139	9.4339
#3	.16960	1.9826	.41820	1.679	4.6665	1.8139	9.4261

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Avge	3.6928	.98153	1.3432	1.9472	.60222	8.3200	6.6272
SDev	.0110	.00220	.0059	.0068	.00207	.0467	.0229
%RSD	.29717	.22455	.43783	.35034	.34323	.56184	.34557
#1	3.6803	.97913	1.3365	1.9409	.59987	8.2727	6.6017
#2	3.7005	.98200	1.3470	1.9462	.60307	8.3212	6.6339
#3	3.6978	.98347	1.3463	1.9545	.60373	8.3661	6.6461

Elem	Mn2576	Mo2020	Na5889	Ni2316	Sb2068	Tl1908	2203/1
Avge	1.0879	.24442	60.572	1.0773	.34236	.06489	2.5088
SDev	.0037	.00217	.235	.0046	.00172	.00077	.0056
%RSD	.33812	.88899	.38873	.42365	.50191	1.1819	.22246
#1	1.0837	.24200	60.333	1.0721	.34080	.06567	2.5056
#2	1.0896	.24507	60.580	1.0801	.34207	.06413	2.5153
#3	1.0904	.24620	60.804	1.0798	.34420	.06487	2.5056

Elem	2203/2	1960/1	1960/2	V_2924	Zn2138	Si2881	Sn1899
Avge	.89067	.60244	.65182	.29422	.60349	.12947	.33409
SDev	.00681	.00170	.00374	.00104	.00187	.00018	.00170
%RSD	.76424	.28307	.57351	.35200	.30958	.13624	.50849
#1	.88300	.60067	.65567	.29307	.60140	.12927	.33213
#2	.89300	.60407	.64820	.29453	.60407	.12953	.33520
#3	.89600	.60260	.65160	.29507	.60500	.12960	.33493

Elem	Sr4215	Ti3349	Zr3496
Avge	10.50	4.6031	8.500
SDev	.03	.0127	.028
%RSD	.3296	.27580	.3318
#1	10.47	4.5897	8.472
#2	10.49	4.6045	8.500
#3	10.53	4.6150	8.528

Method: STL3 Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ag3280	328.068	STD2	STD1	587.231	.274041	07/08/05 11:18:32
Al3082	308.215	STD2	STD1	5708.91	-257.916	07/08/05 11:18:32
As1890	189.042	STD2	STD1	2366.54	4.00057	07/08/05 11:18:32
B_2496	249.678	STD2	STD1	620.968	-36.4163	07/08/05 11:18:32
Ba4934	493.409	STD2	STD1	214.894	-.109835	07/08/05 11:18:32
Be3130	313.042	STD2	STD1	552.986	-1.74498	07/08/05 11:18:32
Ca3179	317.933	STD2	STD1	5320.78	-38.3096	07/08/05 11:18:32
Cd2265	226.502	STD2	STD1	271.289	.036172	07/08/05 11:18:32
Co2286	228.616	STD2	STD1	1018.18	.724038	07/08/05 11:18:32
Cr2677	267.716	STD2	STD1	744.269	.049618	07/08/05 11:18:32
Cu3247	324.753	STD2	STD1	518.374	-9.35378	07/08/05 11:18:32
Fe2714	271.441	STD2	STD1	18413.5	-14.7308	07/08/05 11:18:32
K_7664	766.491	STD2	STD1	6140.65	-1090.17	07/08/05 11:18:32
Mg2790	279.078	STD2	STD1	7544.21	-4.86182	07/08/05 11:18:32
Mn2576	257.610	STD2	STD1	920.500	-.409111	07/08/05 11:18:32
Mo2020	202.030	STD2	STD1	4096.87	-1.36562	07/08/05 11:18:32
Na5889	588.995	STD2	STD1	826.346	-53.4922	07/08/05 11:18:32
Ni2316	231.604	STD2	STD1	926.603	.494188	07/08/05 11:18:32
Se1960	196.026	NONE	NONE	1.00000	.000000	*NOT STANDARDIZED
Pb2203	220.353	NONE	NONE	1.00000	.000000	*NOT STANDARDIZED
Sb2068	206.838	STD2	STD1	2922.97	-3.63748	07/08/05 11:18:32
Tl1908	190.864	STD2	STD1	15007.4	5.66945	07/08/05 11:18:32
2203/1	220.351	STD2	STD1	404.993	-13.0408	07/08/05 11:18:32
2203/2	220.352	STD2	STD1	1118.30	.670982	07/08/05 11:18:32
1960/1	196.021	STD2	STD1	1626.84	22.0527	07/08/05 11:18:32
1960/2	196.022	STD2	STD1	1542.50	-9.94057	07/08/05 11:18:32
V_2924	292.402	STD2	STD1	3353.57	1.78857	07/08/05 11:18:32
Zn2138	213.856	STD2	STD1	1670.51	-.371225	07/08/05 11:18:32
Si2881	288.158	STD2	STD1	8935.11	-161.229	07/08/05 11:18:32
Sn1899	189.989	STD2	STD1	2969.25	7.12620	07/08/05 11:18:32
Sr4215	421.552	STD2	STD1	95.5603	-1.63090	07/08/05 11:18:32
Ti3349	334.941	STD2	STD1	217.279	-.207622	07/08/05 11:18:32
Zr3496	349.621	STD2	STD1	117.646	.002614	07/08/05 11:18:32

Method: STL3 Sample Name: ICVM05GWRK005 Operator: NP
Run Time: 07/08/05 11:29:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	100.1876	9941.479	1044.373	986.2512	1016.475	998.6880	24693.29
SDev	1.7673	21.215	4.769	4.2516	1.166	6.3485	180.41
%RSD	1.763967	.2133955	.4566299	.4310848	.1147371	.6356798	.7306032
#1	101.5031	9943.717	1038.868	981.4090	1015.787	991.5103	24490.51
#2	100.8807	9961.486	1047.016	987.9719	1017.821	1000.987	24753.35
#3	98.17876	9919.234	1047.236	989.3727	1015.815	1003.567	24836.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	997.1920	1011.490	996.3457	1026.359	10128.68	47635.17	24770.14
SDev	5.9889	5.093	6.7652	1.938	46.40	120.78	62.42
%RSD	.6005734	.5035376	.6789997	.1888089	.4580638	.2535517	.2519830
#1	990.5394	1005.866	988.8520	1025.922	10076.44	47655.09	24699.01
#2	998.8832	1012.809	998.1818	1028.478	10144.52	47744.75	24815.76
#3	1002.153	1015.793	1002.003	1024.677	10165.08	47505.66	24795.66

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	999.4432	1011.289	47512.39	1012.755	1019.471	1023.150	998.8397
SDev	5.3122	7.770	119.92	6.918	3.002	4.204	1.1064
%RSD	.5315197	.7683299	.2523933	.6831304	.2945090	.4108836	.1107664
#1	993.3899	1002.367	47587.86	1004.776	1019.826	1018.393	997.9016
#2	1001.610	1016.570	47575.19	1016.402	1016.307	1024.688	998.5576
#3	1003.329	1014.931	47374.11	1017.087	1022.281	1026.368	1000.060

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1007.241	1025.194	1022.129	1013.969	1022.217	1004.647	999.4924
SDev	2.561	2.240	5.191	.068	4.498	4.481	5.3350
%RSD	.2542515	.2184807	.5079035	.0066642	.4399981	.4459981	.5337721
#1	1010.145	1022.724	1016.231	1014.047	1022.711	999.5503	993.4818
#2	1006.272	1025.765	1024.150	1013.929	1017.494	1006.422	1001.329
#3	1005.307	1027.093	1026.005	1013.931	1026.448	1007.967	1003.667

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	1074.157	1016.608	995.5182	992.1581	1003.182
SDev	1.571	8.966	1.5596	3.2575	3.398
%RSD	.1462104	.8819275	.1566654	.3283246	.3387696
#1	1073.505	1006.840	993.7745	988.3967	999.2628
#2	1075.948	1024.462	996.7799	994.0605	1005.318
#3	1073.018	1018.523	996.0003	994.0170	1004.965

Method: STL3 Sample Name: ICB Operator: NP
Run Time: 07/08/05 11:35:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4836480	-22.0823	-.192033	2.110994	.0047910	.0249051	-.945917
SDev	.0814907	3.1631	2.095714	.551229	.0143261	.0369546	.541842
%RSD	16.84918	14.32397	1091.330	26.11232	299.0226	148.3818	57.28223
#1	.5102142	-18.5378	1.903501	2.745720	-.009537	.0618788	-1.06416
#2	.3921893	-24.6177	-2.28793	1.752449	.0047951	-.012030	-1.41888
#3	.5485404	-23.0915	-.191673	1.834814	.0191150	.0248669	-.354719

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0299153	.0057205	.0328764	-.230692	1.636013	-.955237	1.508526
SDev	.0522475	.1428922	.1146913	.059981	.707128	10.87994	1.046969
%RSD	174.6515	2497.888	348.8555	26.00052	43.22261	1138.978	69.40345
#1	-.000149	.1225730	-.099558	-.265448	1.211626	-13.5094	.6702801
#2	.0902454	-.153588	.0990800	-.265195	1.244094	5.731235	2.682071
#3	-.000350	.0481769	.0991069	-.161432	2.452318	4.912468	1.173227

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.041125	2.640204	6.629135	.1654695	1.474353	-1.02650	-.491292
SDev	.000044	1.553052	1.707191	.2502015	.582075	.57932	1.033562
%RSD	.1079925	58.82317	25.75285	151.2070	39.48002	56.43583	210.3762
#1	-.041140	4.369992	8.483825	.3096284	1.262442	-.431056	.6820804
#2	-.041075	2.184996	6.280233	.3102183	1.027921	-1.58821	-.889172
#3	-.041160	1.365623	5.123347	-.123438	2.132695	-1.06024	-1.26678

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-4.00002	-.442235	-1.31900	-3.47026	3.941956	-.415975	-.074330
SDev	4.04443	.566298	.59949	1.21910	1.247050	.018341	.063678
%RSD	101.1102	128.0537	45.45067	35.12986	31.63531	4.409133	85.66891
#1	-3.33300	.1965494	-.745188	-4.51880	4.147728	-.395559	-.037002
#2	-8.33650	-.882703	-1.94124	-2.13259	2.604819	-.421308	-.038133
#3	-.330571	-.640550	-1.27057	-3.75939	5.073323	-.431059	-.147857

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	2.379898	4.816256	.0170169	.1448192	.5280991
SDev	1.239319	1.090135	.0036750	.1096774	.5272377
%RSD	52.07447	22.63449	21.59639	75.73405	99.83690
#1	3.769608	5.343607	.0127734	.2703545	1.132014
#2	1.389339	3.562721	.0191547	.0675668	.2928074
#3	1.980746	5.542437	.0191227	.0965363	.1594755

Method: STL3 Sample Name: CRIM05GWRK007 Operator: NP
Run Time: 07/08/05 11:41:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10.16392	176.7821	14.01666	7.163083	209.1248	5.161765	5218.034
SDev	.09848	1.4387	.95523	.167152	.4441	.000016	18.657
%RSD	.9688702	.8138450	6.814936	2.333525	.2123646	.0003031	.3575453
#1	10.17684	175.1353	15.03812	7.191055	208.6807	5.161772	5198.761
#2	10.05963	177.7952	13.14548	7.314485	209.5689	5.161747	5236.006
#3	10.25530	177.4158	13.86637	6.983709	209.1248	5.161776	5219.334

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.235471	51.37553	10.98186	25.54281	89.98370	3968.221	5157.009
SDev	.151827	.13549	.22374	.19647	2.57936	2.632	23.542
%RSD	2.899970	.2637152	2.037360	.7691951	2.866479	.0663247	.4565006
#1	5.157446	51.37517	10.76683	25.38157	87.92817	3965.219	5142.423
#2	5.138521	51.24022	11.21339	25.76165	92.87807	3969.313	5184.168
#3	5.410445	51.51119	10.96536	25.48523	89.14487	3970.132	5144.436

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	15.74750	1.638747	5206.607	41.65490	38.73558	10.39215	59.25906
SDev	.07110	.273125	27.097	.24803	2.58213	1.36131	1.28818
%RSD	.4515208	16.66667	.5204344	.5954436	6.666054	13.09937	2.173808
#1	15.70691	1.365623	5194.799	41.38911	41.71392	8.821279	60.35695
#2	15.70598	1.911872	5237.604	41.88019	37.12588	11.22687	57.84098
#3	15.82960	1.638747	5187.417	41.69538	37.36694	11.12830	59.57924

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	22.01583	8.506264	11.33288	33.96463	41.11572	52.30000	60.81799
SDev	7.81674	1.191135	1.46567	2.86410	2.60969	.13193	.33977
%RSD	35.50509	14.00304	12.93287	8.432597	6.347187	.2522536	.5586733
#1	Q13.00816	7.174434	9.642667	37.07381	44.02874	52.14768	60.52326
#2	26.02188	9.469627	12.10337	33.38614	38.99120	52.37791	60.74108
#3	27.01745	8.874729	12.25260	31.43393	40.32722	52.37442	61.18962

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	87.49553	4.156505	-.101328	.2158182	.1359463
SDev	.68845	1.725769	.003754	.0603531	.1490181
%RSD	.7868415	41.51971	3.704466	27.96479	109.6154
#1	86.70058	2.968494	-.098627	.1481662	.3006505
#2	87.89316	6.136061	-.099744	.2351563	.0967310
#3	87.89286	3.364959	-.105614	.2641321	.0104574

Method: STL3 Sample Name: ISAM05GWRK008 Operator: NP
Run Time: 07/08/05 11:47:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.142560	426836.5	.2101200	22.94713	-.010963	-.252464	407871.2
SDev	.147109	1006.8	.1656994	.19338	.018267	.042566	1804.1
%RSD	103.1913	.2358829	78.85941	.8427299	166.6235	16.86006	.4423309
#1	-.311012	425678.1	.1712530	22.81647	-.030187	-.301614	405827.9
#2	-.039386	427501.2	.0673089	22.85564	-.008868	-.227851	409244.6
#3	-.077282	427330.2	.3917980	23.16928	.0061659	-.227926	408541.1

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10.64580	-2.80124	2.858450	-.529308	175393.9	-34.3876	450991.3
SDev	.11352	.28692	.428930	.086791	759.7	5.5076	1273.1
%RSD	1.066322	10.24264	15.00570	16.39706	.4331155	16.01619	.2822902
#1	10.52074	-2.89546	2.366587	-.534834	174520.1	-32.7502	449531.6
#2	10.74233	-3.02920	3.054037	-.613204	175897.8	-29.8845	451871.8
#3	10.67435	-2.47905	3.154726	-.439886	175763.7	-40.5283	451570.6

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.44749	-3.18645	43.04346	-2.68326	-.709911	8.149699	3.333928
SDev	.06020	2.12148	.41348	.57855	4.202761	1.868626	8.177384
%RSD	4.158727	66.57817	.9606005	21.56131	592.0128	22.92877	245.2778
#1	-1.50416	-4.91624	42.63948	-3.30398	3.834059	6.048121	-4.77510
#2	-1.45401	-3.82374	43.46582	-2.15902	-4.45752	8.777062	11.57799
#3	-1.38430	-.819374	43.02511	-2.58677	-1.50627	9.623915	3.198889

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-50.1793	10.36719	7.041815	-9.70311	3.778946	-.164246	-1.95211
SDev	2.0039	4.21932	4.588409	1.19590	6.588053	.144153	.14586
%RSD	3.993502	40.69875	65.15946	12.32491	174.3357	87.76620	7.471943
#1	-52.1154	14.63127	1.762180	-9.84333	10.66150	-.329422	-1.78448
#2	-48.1139	6.194107	10.06580	-8.44328	-2.46862	-.099482	-2.05012
#3	-50.3087	10.27620	9.297462	-10.8227	3.143963	-.063834	-2.02172

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	75.94981	-.187343	-8.51565	5.903885	-.026144
SDev	.94084	.523749	.03727	.074126	.153759
%RSD	1.238760	279.5667	.4376517	1.255540	588.1326
#1	74.91946	-.781177	-8.47347	5.826163	-.169933
#2	76.76324	.2087407	-8.54411	5.973796	-.044444
#3	76.16672	.0104069	-8.52938	5.911696	.1359463

Method: STL3 Sample Name: ISBM05GWRK009 Operator: NP
Run Time: 07/08/05 11:53:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	196.0165	426839.4	100.8647	23.92239	467.2062	450.4534	407873.7
SDev	.8794	1330.8	3.5000	.17063	.9346	2.1722	2387.1
%RSD	.4486540	.3117885	3.469958	.7132682	.2000371	.4822300	.5852553
#1	195.0133	425308.2	101.5932	23.98679	466.1603	448.1441	405302.6
#2	196.3818	427492.8	97.05780	23.72893	467.9595	450.7601	408298.9
#3	196.6545	427717.3	103.9430	24.05145	467.4989	452.4559	410019.6

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	878.6143	437.9758	446.5825	513.2584	175574.6	-32.0678	450465.8
SDev	3.7150	2.6693	2.8746	.9390	729.5	6.7805	1625.0
%RSD	.4228298	.6094533	.6436973	.1829580	.4154763	21.14432	.3607405
#1	875.0702	435.1259	443.6758	512.2507	174781.5	-38.4814	448642.3
#2	878.2931	438.3841	446.6477	514.1090	175725.5	-32.7502	450994.6
#3	882.4794	440.4174	449.4239	513.4155	176216.8	-24.9720	451760.6

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	445.3019	-3.55062	54.79595	865.9869	42.68404	51.91303	580.7541
SDev	1.7174	.54625	1.09396	4.0657	2.72827	1.45817	9.1479
%RSD	.3856758	15.38461	1.996428	.4694821	6.391769	2.808870	1.575175
#1	443.3700	-3.55062	55.75084	861.9443	40.91066	50.88359	570.4968
#2	445.8800	-3.00437	55.03467	865.9411	41.31578	51.27387	588.0677
#3	446.6556	-4.09687	53.60234	870.0753	45.82567	53.58163	583.6980

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	Q45.04522	51.32017	52.20822	43.97120	42.04052	455.8343	939.3284
SDev	2.20190	3.43227	2.42385	7.82987	6.65973	2.0034	3.1598
%RSD	4.888197	6.687962	4.642660	17.80682	15.84122	.4395086	.3363910
#1	Q42.87373	53.76500	49.44424	39.04129	41.84305	453.5241	935.9152
#2	Q47.27632	47.39635	53.20893	52.99960	35.48173	456.8856	939.9182
#3	Q44.98561	52.79916	53.97148	39.87269	48.79680	457.0933	942.1517

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	105.5336	-.385718	-8.47538	5.920755	.2771213
SDev	1.2558	4.864979	.05486	.112713	.0705875
%RSD	1.189998	1261.279	.6472967	1.903698	25.47170
#1	105.8696	-2.36542	-8.41948	5.792541	.2065338
#2	104.1439	5.157000	-8.47752	5.965488	.2771213
#3	106.5872	-3.94874	-8.52914	6.004234	.3477088

Method: STL3 Sample Name: CCVM05GWRK006 Operator: NP
Run Time: 07/08/05 11:59:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50.66772	4980.398	515.8533	503.6825	506.9285	499.9232	18945.66
SDev	.13790	10.376	3.8886	1.4945	.4843	1.8191	88.50
%RSD	.2721581	.2083300	.7538231	.2967151	.0955444	.3638686	.4671017
#1	50.53668	4968.881	513.4731	502.7193	506.6707	497.8707	18847.64
#2	50.65491	4989.015	513.7460	502.9240	507.4872	500.5626	18969.66
#3	50.81158	4983.298	520.3407	505.4041	506.6276	501.3362	19019.68

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	497.0836	505.4013	499.5073	508.7792	5139.898	38006.23	18900.76
SDev	1.1872	1.0796	1.8012	.3019	11.762	134.89	38.36
%RSD	.2388384	.2136090	.3605862	.0593356	.2288433	.3549154	.2029321
#1	495.7708	504.1773	497.5884	508.5258	5131.415	37852.16	18856.48
#2	497.3978	505.8089	499.7721	508.6986	5134.955	38103.11	18921.89
#3	498.0820	506.2178	501.1614	509.1132	5153.326	38063.40	18923.90

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	500.2288	502.7313	39521.69	505.8888	501.8541	507.7726	499.7362
SDev	1.6691	2.0681	46.64	2.3292	2.3786	1.6997	1.4471
%RSD	.3336735	.4113673	.1180088	.4604186	.4739694	.3347298	.2895717
#1	498.3066	500.3642	39469.72	503.4369	502.3037	505.8807	499.6721
#2	501.0671	503.6417	39559.90	506.1575	503.9758	509.1707	498.3222
#3	501.3126	504.1879	39535.44	508.0720	499.2827	508.2665	501.2142

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	497.9435	508.1069	507.6050	503.3868	501.0879	501.8544	499.8556
SDev	2.3307	3.1566	1.7719	2.9001	2.9977	1.7986	2.2723
%RSD	.4680577	.6212453	.3490660	.5761109	.5982355	.3583866	.4546004
#1	496.5901	506.2191	505.7110	500.9690	502.9692	499.8147	497.2324
#2	496.6056	511.7511	507.8816	506.6022	502.6635	502.5358	501.1163
#3	500.6347	506.3507	509.2222	502.5892	497.6309	503.2128	501.2181

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	629.5845	509.6308	499.0232	497.5637	497.5216
SDev	4.7452	2.0227	.6442	1.1168	1.3147
%RSD	.7537020	.3968930	.1290892	.2244517	.2642432
#1	625.9963	508.7722	498.2914	496.2840	496.0053
#2	627.7926	511.9412	499.5045	498.3412	498.2170
#3	634.9648	508.1791	499.2737	498.0660	498.3425

Method: STL3 Sample Name: CCB Operator: NP
Run Time: 07/08/05 12:05:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2485416	-17.3874	-2.00628	.9511507	.0047749	.0124217	6.384941
SDev	.0231604	1.1432	2.04390	.1569744	.0143195	.0212533	2.326047
%RSD	9.318516	6.574620	101.8749	16.50363	299.8935	171.0977	36.43021
#1	.2752847	-17.3967	.1117784	1.130686	.0191044	.0247891	8.513254
#2	.2352577	-16.2396	-3.96692	.8829752	-.009535	-.012119	6.739659
#3	.2350824	-18.5259	-2.16372	.8397906	.0047547	.0245952	3.901909

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2102469	.1854753	-.016600	-.311259	4.488040	2.729151	8.214965
SDev	.0451021	.0039433	.075890	.019871	4.959909	3.099768	.000473
%RSD	21.45195	2.126071	457.1603	6.384046	110.5139	113.5799	.0057523
#1	.2525594	.1900034	-.099444	-.299973	3.667512	4.093793	8.214493
#2	.1627955	.1836264	.0495604	-.334203	-.010438	-.818806	8.214965
#3	.2153857	.1827962	.0000825	-.299601	9.807046	4.912468	8.215438

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0202339	2.002913	8.153282	.2280010	3.877488	-1.20421	-2.07043
SDev	.0613856	1.818553	2.056110	.4957495	.855884	.61898	1.88126
%RSD	303.3800	90.79538	25.21819	217.4331	22.07317	51.40143	90.86294
#1	-.041107	4.096868	10.41196	.7424742	3.505765	-1.52017	.0725167
#2	.0201449	1.092498	7.657476	-.246619	3.270315	-.491013	-2.83377
#3	.0816640	.8193736	6.390409	.1881477	4.856385	-1.60144	-3.45005

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-5.66282	-2.46935	-.573385	.7234244	5.451157	-.199896	-.298536
SDev	6.10584	1.90876	.299800	3.228538	2.892297	.222883	.062446
%RSD	107.8233	77.29834	52.28599	446.2856	53.05841	111.4996	20.91746
#1	-4.32965	-2.77440	-.894790	2.422238	4.045716	-.175139	-.262511
#2	-.333717	-.426426	-.524058	2.747863	3.530151	-.434123	-.370643
#3	-12.3251	-4.20721	-.301308	-2.99983	8.777602	.0095750	-.262455

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	-1.38854	1.385211	.0167970	.0435279	.3660092
SDev	.68617	2.677873	.0036879	.0885265	.3100074
%RSD	49.41714	193.3189	21.95596	203.3787	84.69935
#1	-.989203	1.187042	.0188567	.1401187	.7084893
#2	-.995551	4.156663	.0125393	-.033744	.1045741
#3	-2.18085	-1.18807	.0189950	.0242086	.2849643

Method: STL3 Sample Name: MB Operator: NP
Run Time: 07/08/05 12:11:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1177629	-4.82145	-.246960	-.566454	.0955052	.0123579	81.94008
SDev	.1357617	1.37633	.805460	.081469	.0082728	.0425690	1.27896
%RSD	115.2839	28.54588	326.1497	14.38236	8.662093	344.4669	1.560844
#1	.2745263	-5.96439	-.235655	-.485094	.0907098	-.012140	80.52120
#2	.0397499	-5.20629	.5527877	-.648033	.0907480	-.012299	83.00423
#3	.0390123	-3.29367	-1.05801	-.566234	.1050577	.0615124	82.29479

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0419438	.3172026	.6943909	.1727566	2.018838	-7.77814	4.555192
SDev	.1875750	.4451000	.0859932	.0529062	4.918620	1.08313	2.094127
%RSD	447.2059	140.3204	12.38397	30.62472	243.6362	13.92526	45.97231
#1	.2520570	.7935838	.7440211	.1150636	7.292414	-8.18752	2.207945
#2	-.017575	-.088050	.5950946	.1842046	-2.44411	-8.59691	5.225631
#3	-.108651	.2460741	.7440571	.2190016	1.208212	-6.54999	6.231998

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.722670	.2731246	127.5144	.7006581	1.437970	-2.91723	-3.94705
SDev	.035474	1.190522	36.7400	.2491027	.746291	1.30127	.87327
%RSD	.9529261	435.8899	28.81246	35.55268	51.89897	44.60630	22.12462
#1	3.702076	.8193736	167.7483	.7420251	2.280564	-2.11373	-4.78072
#2	3.702303	1.092498	119.0490	.4334614	1.173123	-2.21940	-3.03895
#3	3.763632	-1.09250	95.74601	.9264877	.8602219	-4.41857	-4.02148

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.994059	-7.26694	-.746443	5.895600	-.788504	-.071311	31.43858
SDev	5.516721	1.14062	1.540985	1.278887	.914614	.124264	.45073
%RSD	554.9691	15.69595	206.4437	21.69223	115.9937	174.2575	1.433670
#1	2.682659	-7.39245	.5208768	6.980411	-.066836	-.214013	30.91813
#2	-7.33747	-6.06876	-.298410	4.485473	-.481568	.0130241	31.70048
#3	1.672636	-8.33961	-2.46180	6.220917	-1.81711	-.012943	31.69713

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	8.316690	3.299343	.0570016	.0389373	-.028758
SDev	1.499828	1.706587	.0036691	.0383220	.061256
%RSD	18.03395	51.72506	6.436938	98.41976	213.0068
#1	6.727497	5.146815	.0549205	.0534370	.0418296
#2	9.707385	2.969387	.0548460	-.004519	-.067973
#3	8.515187	1.781827	.0612381	.0678936	-.060130

Method: STL3 Sample Name: LCSM05FLCS003 Operator: NP
Run Time: 07/08/05 12:17:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	304.9072	6283.261	1065.779	535.3143	318.4262	115.3073	31824.20
SDev	2.1500	38.973	9.711	3.3986	1.4302	.9153	334.84
%RSD	.7051207	.6202642	.9111252	.6348838	.4491437	.7938023	1.052166
#1	302.4263	6238.259	1054.577	531.4121	316.7748	114.3312	31460.38
#2	306.0684	6305.967	1071.817	536.9043	319.2664	115.4444	31892.78
#3	306.2269	6305.555	1070.942	537.6265	319.2373	116.1463	32119.44

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	315.8887	316.4457	318.1074	322.4478	26856.15	18882.21	15862.60
SDev	2.2504	3.2962	3.1817	1.5047	203.01	54.00	105.34
%RSD	.7123960	1.041642	1.000199	.4666613	.7559202	.2859943	.6640762
#1	313.2978	313.0356	314.7004	320.8243	26630.53	18821.08	15743.56
#2	317.0125	316.6865	318.6203	323.7957	26913.84	18902.13	15900.50
#3	317.3559	319.6149	321.0014	322.7234	27024.07	18923.42	15943.76

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	214.8919	310.7247	32327.37	319.5583	556.6818	1047.289	1059.524
SDev	1.5625	4.2430	190.67	2.7143	5.0470	9.553	7.496
%RSD	.7270912	1.365503	.5898134	.8493869	.9066247	.9121176	.7074611
#1	213.1382	307.2651	32107.36	316.6537	551.0407	1036.341	1050.975
#2	215.4018	309.4501	32444.62	319.9909	560.7694	1051.593	1064.970
#3	216.1358	315.4588	32430.13	322.0303	558.2355	1053.931	1062.627

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1065.008	1049.168	1046.350	559.0448	555.5012	318.8940	338.2224
SDev	12.201	5.230	11.741	6.3265	7.4347	2.1908	2.3086
%RSD	1.145586	.4984822	1.122054	1.131660	1.338374	.6869969	.6825832
#1	1055.000	1043.332	1032.851	555.5004	548.8131	316.4005	335.6669
#2	1061.426	1050.740	1052.018	555.2850	563.5064	319.7711	338.8431
#3	1078.599	1053.430	1054.181	566.3489	554.1840	320.5103	340.1573

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	301.2467	2.576700	.0858199	1055.518	.5960722
SDev	3.5867	1.475905	.0070428	6.087	.1690053
%RSD	1.190625	57.27887	8.206439	.5766932	28.35315
#1	297.4730	4.013366	.0818697	1048.578	.7869199
#2	304.6113	1.064460	.0816389	1058.025	.5359421
#3	301.6560	2.652275	.0939511	1059.952	.4653546

Method: STL3 Sample Name: 210050-1 Operator: NP
Run Time: 07/08/05 12:23:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.439916	107.4143	135.2650	H884662.9	1.926599	.1416219	308.6055
SDev	.090272	1.3749	3.4319	6565.3	.162906	.0367149	3.0924
%RSD	2.624241	1.279960	2.537177	.7421219	8.455613	25.92458	1.002046
#1	3.492196	108.5559	138.7428	H877762.7	1.878873	.1416269	305.0583
#2	3.491873	107.7990	131.8808	H890832.1	1.792887	.1049045	310.0244
#3	3.335680	105.8881	135.1714	H885393.8	2.108037	.1783343	310.7338

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	21.90029	27.86962	59.11460	11.62737	642.8970	82.14816	L-72.2228
SDev	.57017	.20801	.35897	.17402	7.3606	19.05397	1.7423
%RSD	2.603471	.7463586	.6072403	1.496680	1.144905	23.19464	2.412350
#1	21.86908	27.96231	58.70109	11.78869	635.5249	60.17829	L-73.2291
#2	21.34636	27.63138	59.29660	11.65047	642.9200	92.10964	L-70.2110
#3	22.48541	28.01518	59.34611	11.44295	650.2460	94.15655	L-73.2282

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.421122	30.13474	2656.135	28.33464	1.910432	20.52370	L-35.2113
SDev	.061293	.68735	2.804	.83414	4.778720	4.59039	6.4232
%RSD	1.386372	2.280918	.1055599	2.943893	250.1382	22.36629	18.24198
#1	4.359779	30.04370	2652.903	27.37208	6.306044	19.64141	L-33.5937
#2	4.421219	29.49745	2657.916	28.78591	-3.17617	16.43850	L-42.2887
#3	4.482366	30.86307	2657.585	28.84593	2.601417	25.49120	L-29.7515

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	66.97264	126.8520	L-32.5616	207.9836	L-100.973	L-10.6859	22.56027
SDev	4.03467	7.0948	5.3140	13.0308	1.457	.1357	.72088
%RSD	6.024363	5.592938	16.31995	6.265324	1.442836	1.270091	3.195346
#1	71.63148	132.1077	L-36.5082	218.0294	L-99.3981	L-10.6123	21.82337
#2	64.63753	118.7819	L-34.6573	193.2595	L-101.248	L-10.8425	22.59347
#3	64.64892	129.6666	L-26.5192	212.6621	L-102.273	L-10.6028	23.26398

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	25306.57	152.6909	3.959681	1.604361	12.90444
SDev	159.21	3.4478	.010942	.108168	.38045
%RSD	.6291058	2.258004	.2763412	6.742127	2.948202
#1	25126.67	155.4930	3.947046	1.646093	12.46523
#2	25363.76	148.8407	3.966009	1.685447	13.11620
#3	25429.28	153.7390	3.965988	1.481543	13.13189

Method: STL3 Sample Name: 210050-1 SD 5 Operator: NP
Run Time: 07/08/05 12:29:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.8760268	4.304555	25.61504	H552728.6	.3576042	.0259757	69.52491
SDev	.2355871	2.015356	4.12868	601.4	.0298211	.0001328	.35472
%RSD	26.89269	46.81915	16.11818	.1088088	8.339125	.5113920	.5102071
#1	.9020380	2.020936	30.07473	H552189.9	.3480671	.0258406	69.17019
#2	.6285135	5.058458	24.84443	H553377.5	.3337182	.0259804	69.52492
#3	1.097529	5.834271	21.92596	H552618.2	.3910272	.0261062	69.87963

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.410724	-2.71481	12.86811	2.290838	138.1102	6.004157	L-12.2309
SDev	.091260	.30806	.50683	.091361	2.5562	4.300057	.5810
%RSD	2.069045	11.34747	3.938630	3.988095	1.850872	71.61800	4.750501
#1	4.495400	-2.63662	13.44701	2.187222	135.2365	6.140618	L-12.9018
#2	4.314064	-2.45338	12.65302	2.359807	140.1308	10.23436	L-11.8949
#3	4.422706	-3.05444	12.50429	2.325486	138.9633	1.637493	L-11.8959

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.9797997	6.554989	518.5599	6.671806	-6.74764	13.12139	31.01328
SDev	.0708953	1.251614	2.1251	.327071	2.67617	.38007	1.98182
%RSD	7.235696	19.09406	.4098023	4.902279	39.66088	2.896530	6.390244
#1	.9388330	6.281865	516.1360	6.548610	-6.99577	12.84066	32.73321
#2	1.061663	7.920611	520.1025	7.042584	-3.95605	13.55389	31.46061
#3	.9389035	5.462491	519.4414	6.424224	-9.29111	12.96962	28.84602

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	12.19101	25.64478	6.868228	11.98747	L-16.1022	-2.30994	14.92262
SDev	1.52547	2.33619	1.072938	3.55894	3.1302	.26954	.06578
%RSD	12.51305	9.109806	15.62175	29.68880	19.43942	11.66855	.4407800
#1	13.85431	23.05281	7.741388	8.703163	L-14.8345	-2.16404	14.96160
#2	11.86147	26.29341	7.192823	15.76879	L-13.8047	-2.14480	14.84668
#3	10.85724	27.58811	5.670472	11.49046	L-19.6673	-2.62097	14.95959

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	5321.033	-7.89943	.8537102	.3520770	2.820886
SDev	14.545	3.10897	.0147125	.0804831	.143837
%RSD	.2733568	39.35698	1.723363	22.85951	5.098999
#1	5304.753	-4.34847	.8452266	.2798301	2.708468
#2	5332.749	-9.21801	.8706987	.4388247	2.982975
#3	5325.597	L-10.1318	.8452053	.3375763	2.771213

Method: STL3 Sample Name: 210049-1 Operator: NP
Run Time: 07/08/05 12:35:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4995743	2025.969	6.339172	3418.569	564.4766	.0150918	H140487.2
SDev	.1376601	7.613	1.475398	606.827	.9099	.0211965	742.9
%RSD	27.55547	.3757712	23.27430	17.75090	.1611972	140.4503	.5287913
#1	.3557700	2018.233	7.740226	4064.929	563.5072	.0276294	H139650.0
#2	.5128205	2033.453	6.478039	3329.700	564.6102	.0270275	H140743.6
#3	.6301325	2026.222	4.799250	2861.076	565.3123	-.009381	H141067.8

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4197243	.9691408	3.722723	11.62623	1289.230	3776.906	3195.847
SDev	.1467945	.1607591	.102040	.07968	7.088	11.015	12.075
%RSD	34.97402	16.58780	2.741004	.6853694	.5497493	.2916456	.3778346
#1	.3182566	.8637159	3.641723	11.58031	1281.046	3764.625	3183.608
#2	.3528705	1.154170	3.689119	11.71824	1293.307	3785.912	3196.182
#3	.5880458	.8895367	3.837327	11.58014	1293.337	3780.181	3207.751

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	37.22670	12.19956	34340.22	14.44461	3.444659	1.616383	1.810653
SDev	.12748	.68735	76.44	.27715	3.047442	1.072133	2.351954
%RSD	.3424302	5.634208	.2226052	1.918739	88.46863	66.32911	129.8953
#1	37.12477	11.47123	34263.35	14.15807	.9569727	2.374882	2.275029
#2	37.18570	12.83685	34416.23	14.71131	2.533167	2.084471	-.738851
#3	37.36963	12.29060	34341.09	14.46446	6.843837	.3897979	3.895781

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.05606	.2476711	2.298914	6.895594	1.720779	16.16328	18.35838
SDev	4.51997	.9961364	1.777007	2.585348	4.989486	.12250	.06379
%RSD	428.0049	402.2013	77.29768	37.49275	289.9551	.7579018	.3474445
#1	-5.40341	.9935453	3.063715	9.385763	-3.25210	16.22907	18.32414
#2	3.618733	-.883581	3.565472	4.224565	1.687736	16.02194	18.31903
#3	-1.38350	.6330490	.2675551	7.076452	6.726704	16.23882	18.43198

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	6302.633	L-10.2170	1024.745	11.00208	1.393449
SDev	24.150	1.0597	2.177	.39472	.181297
%RSD	.3831786	10.37215	.2124637	3.587717	13.01069
#1	6274.823	-9.09358	1022.364	11.30093	1.602598
#2	6314.752	L-11.1988	1025.236	10.55463	1.296719
#3	6318.324	L-10.3588	1026.635	11.15069	1.281032

Method: STL3 Sample Name: 210049-1 MD Operator: NP
Run Time: 07/08/05 12:41:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3949278	1952.904	4.113677	2102.957	547.0085	-.009634	H138965.9
SDev	.1705522	8.127	.886196	108.049	2.1235	.036996	850.8
%RSD	43.18568	.4161367	21.54266	5.137952	.3881999	384.0079	.6122651
#1	.5122160	1943.647	3.805645	2210.896	544.5682	.0275311	H138014.8
#2	.1992776	1956.199	5.112784	2103.177	548.0208	-.046459	H139228.2
#3	.4732897	1958.865	3.422601	1994.799	548.4363	-.009975	H139654.6

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3947685	1.019691	3.113869	11.21208	1211.435	3681.658	3119.727
SDev	.0809849	.143637	.113379	.15576	2.847	24.706	15.023
%RSD	20.51452	14.08628	3.641081	1.389256	.2350281	.6710689	.4815390
#1	.4006725	.9711713	3.049628	11.06241	1209.793	3654.503	3102.625
#2	.4726398	.9065984	3.047200	11.20054	1214.723	3687.662	3125.762
#3	.3109932	1.181304	3.244780	11.37330	1209.790	3702.809	3130.794

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	36.24763	10.92498	33540.46	13.46232	4.448569	2.368142	.3444699
SDev	.21527	.47307	141.72	.37282	2.995575	.751512	1.371028
%RSD	.5938899	4.330124	.4225410	2.769382	67.33794	31.73426	398.0111
#1	36.02295	10.37873	33387.92	13.42201	4.101585	2.081572	-.615988
#2	36.26788	11.19811	33565.42	13.85366	7.602525	1.802076	1.914589
#3	36.45206	11.19811	33668.05	13.11129	1.641597	3.220778	-.265191

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.50303	-.042785	3.570999	12.29399	.5307438	15.77657	17.92968
SDev	2.64289	.993737	1.305499	2.89354	3.097839	.22850	.06276
%RSD	175.8373	2322.602	36.55838	23.53622	583.6788	1.448369	.3500561
#1	-.505566	-1.04637	3.642396	12.69540	-.189876	15.54631	17.89340
#2	-4.49950	.9408057	2.231266	14.96586	3.925381	16.00328	18.00215
#3	.4959682	-.022796	4.839334	9.220699	-2.14327	15.78011	17.89349

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	6162.033	-7.84224	1002.243	10.65134	.9097944
SDev	29.005	1.77987	4.155	.31504	.0504238
%RSD	.4707117	22.69600	.4145545	2.957787	5.542326
#1	6130.651	-7.72059	997.5230	10.85772	.8888796
#2	6167.591	-6.12631	1003.857	10.80758	.8731935
#3	6187.857	-9.67981	1005.348	10.28871	.9673101

Method: STL3 Sample Name: 210049-1 MS Operator: NP
Run Time: 07/08/05 12:47:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48.35075	4079.144	47.35996	1694.479	2602.579	55.69171	H149078.7
SDev	.31046	14.797	3.37432	66.536	10.095	.24296	614.0
%RSD	.6421072	.3627409	7.124847	3.926609	.3878928	.4362667	.4118438
#1	48.23374	4062.297	51.04407	1759.920	2592.617	55.42417	H148370.8
#2	48.11579	4085.103	44.41947	1696.616	2602.316	55.75235	H149399.1
#3	48.70272	4090.033	46.61634	1626.901	2612.802	55.89861	H149466.1

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	52.18609	514.3435	206.8215	279.0693	2210.519	15522.73	14768.76
SDev	.19868	2.7607	.4710	1.0643	9.775	66.86	56.66
%RSD	.3807093	.5367432	.2277190	.3813610	.4421884	.4307391	.3836507
#1	51.97670	511.2436	206.3591	277.8941	2199.329	15451.50	14708.05
#2	52.37197	515.2496	207.3006	279.3457	2217.393	15532.56	14777.99
#3	52.20959	516.5372	206.8047	279.9681	2214.834	15584.14	14820.24

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	550.0866	12.01748	44971.87	530.9899	61.25502	23.65049	107.4415
SDev	2.0879	.54625	116.20	2.1367	2.16287	.45684	.5749
%RSD	.3795613	4.545457	.2583750	.4024048	3.530924	1.931649	.5350459
#1	547.7349	12.56373	44840.09	528.6181	63.67614	23.95603	108.1053
#2	550.8024	12.01748	45015.88	531.5873	59.51377	23.12531	107.1061
#3	551.7225	11.47123	45059.62	532.7644	60.57516	23.87013	107.1132

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48.32980	22.42087	24.26358	68.89828	57.43792	528.2887	543.1102
SDev	4.18068	.01991	.69073	4.53757	4.95449	3.1483	1.9859
%RSD	8.650318	.0888103	2.846765	6.585893	8.625824	.5959365	.3656539
#1	44.96767	22.39788	24.73315	66.84415	62.09331	524.9407	540.8609
#2	53.01089	22.43236	23.47047	74.09966	52.23055	528.7361	543.8483
#3	47.01083	22.43237	24.58713	65.75103	57.98990	531.1893	544.6213

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	6247.402	L-12.5498	1006.885	11.77116	.9333236
SDev	22.561	1.5355	4.054	1.16349	.0633947
%RSD	.3611193	12.23515	.4026099	9.884213	6.792356
#1	6221.372	L-10.8377	1002.685	13.11399	.8653504
#2	6259.527	L-13.8051	1007.196	11.13574	.9437810
#3	6261.307	L-13.0065	1010.774	11.06374	.9908393

Method: STL3 Sample Name: 210049-2 Operator: NP
Run Time: 07/08/05 12:53:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2778211	5053.174	5.473979	1419.829	98.63666	.2052498	69632.27
SDev	.1959776	11.210	1.718087	43.165	.29807	.0378050	380.28
%RSD	70.54095	.2218456	31.38643	3.040189	.3021917	18.41900	.5461247
#1	.0816737	5040.237	6.344727	1462.726	98.30257	.1664042	69196.09
#2	.4736285	5059.262	3.494853	1420.363	98.73207	.2419202	69806.55
#3	.2781610	5060.023	6.582357	1376.399	98.87536	.2074252	69894.17

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3159965	3.254077	7.646500	6.426945	8215.601	2807.776	37057.19
SDev	.1290222	.255174	.178134	.111246	37.517	10.245	140.75
%RSD	40.83026	7.841680	2.329611	1.730925	.4566568	.3648941	.3798072
#1	.2200557	2.961737	7.448981	6.507736	8172.561	2797.268	36902.44
#2	.4626749	3.368351	7.794972	6.300062	8241.392	2808.322	37091.56
#3	.2652590	3.432141	7.695546	6.473038	8232.850	2817.737	37177.57

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	133.4801	5.098325	30792.07	6.421243	.6552368	.8377138	-3.68188
SDev	.7509	.630754	54.72	.558146	3.143591	1.507539	1.20452
%RSD	.5625518	12.37180	.1777171	8.692173	479.7641	179.9587	32.71482
#1	132.6246	4.369992	30729.40	5.785719	-1.91093	2.562823	-4.72991
#2	133.7858	5.462491	30816.44	6.831789	-.285020	.1768335	-2.36597
#3	134.0300	5.462491	30830.38	6.646221	4.161662	-.226515	-3.94978

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.246749	-2.20687	2.356922	13.44607	-5.73159	9.757924	20.82268
SDev	2.138814	1.75240	1.418999	3.04870	5.20473	.006905	.05336
%RSD	95.19594	79.40671	60.20558	22.67355	90.80777	.0707614	.2562516
#1	-.153152	-.308318	3.995441	16.33997	L-11.0237	9.749956	20.76107
#2	3.951558	-2.54989	1.537351	10.26315	-5.55220	9.762147	20.85403
#3	2.941840	-3.76239	1.537975	13.73509	-.618877	9.761670	20.85295

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	13227.76	L-11.2343	725.0955	119.2077	2.512392
SDev	42.98	3.0849	2.7857	2.2322	.082632
%RSD	.3249324	27.45982	.3841904	1.872504	3.288964
#1	13178.33	L-14.1463	721.9466	117.0861	2.433961
#2	13248.61	-8.00157	726.1011	119.0008	2.504549
#3	13256.34	L-11.5549	727.2388	121.5361	2.598666

Method: STL3 Sample Name: 210049-3 Operator: NP
Run Time: 07/08/05 12:59:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0206223	196.3963	.5083504	1329.993	559.1489	-.023756	H108241.9
SDev	.1481888	.7704	.3752267	27.125	1.5186	.021303	719.6
%RSD	718.5838	.3922692	73.81260	2.039497	.2715902	89.67627	.6648302
#1	.1246654	197.1659	.1889957	1356.101	557.3963	-.011334	H107440.5
#2	.0862494	195.6251	.9216111	1331.924	559.9750	-.011579	H108452.5
#3	-.149048	196.3980	.4144445	1301.953	560.0753	-.048355	H108832.7

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0478007	.2399839	-.051858	.3655005	138.3408	3410.378	1966.742
SDev	.0412867	.2159678	.199445	.0398978	4.3042	8.353	6.538
%RSD	86.37263	89.99265	384.6012	10.91593	3.111281	.2449250	.3324287
#1	.0234013	.4860789	-.265288	.3886340	138.7254	3403.146	1959.198
#2	.0954701	.1518654	.1297828	.3884368	142.4398	3419.520	1970.765
#3	.0245308	.0820073	-.020067	.3194306	133.8573	3408.467	1970.262

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.447155	21.94101	37233.30	1.929639	.9819572	-1.38092	-2.72150
SDev	.035590	1.23159	91.85	.248839	2.039738	.50917	2.82871
%RSD	.5520186	5.613173	.2466791	12.89561	207.7216	36.87197	103.9392
#1	6.488250	20.75746	37137.72	1.971285	-.202418	-.868425	-3.06035
#2	6.426523	23.21559	37320.89	2.155028	3.337230	-1.38764	-5.36552
#3	6.426692	21.84996	37241.29	1.662605	-.188940	-1.88671	.2613664

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-3.10688	-3.91597	-.116102	2.995670	-.024389	2.656599	4.962676
SDev	5.20470	1.35124	.186990	3.520423	2.270496	.479576	.127029
%RSD	167.5219	34.50583	161.0563	117.5170	9309.589	18.05225	2.559692
#1	-.104899	-2.41747	-.095864	-.973308	.1814494	2.269925	4.888056
#2	-.098986	-4.28875	.0599453	5.740940	2.136179	3.193237	5.109349
#3	-9.11675	-5.04167	-.312387	4.219379	-2.39079	2.506635	4.890623

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	3611.773	-7.45237	2349.699	2.193813	.0000000
SDev	14.900	3.07419	7.928	.128856	.0945514
%RSD	.4125500	41.25122	.3374145	5.873607	10e9
#1	3594.691	L-10.4242	2340.668	2.145088	-.099345
#2	3622.098	-4.28515	2352.914	2.339926	.0888880
#3	3618.529	-7.64774	2355.515	2.096425	.0104574

Method: STL3 Sample Name: 210049-4 Operator: NP
Run Time: 07/08/05 13:05:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2794495	4156.650	21.27388	1241.458	153.0152	.2023470	57387.02
SDev	.1566393	31.001	1.07987	20.277	.4886	.0209443	435.08
%RSD	56.05281	.7458049	5.076058	1.633312	.3193032	10.35070	.7581507
#1	.1228920	4121.509	21.97906	1261.148	152.4520	.1781688	56898.34
#2	.4361705	4168.318	20.03069	1242.584	153.2682	.2139612	57530.45
#3	.2792861	4180.123	21.81189	1220.642	153.3254	.2149111	57732.28

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3583165	3.699665	6.652313	9.057095	9433.525	4512.556	31767.81
SDev	.1282046	.411682	.142638	.150449	58.653	28.881	187.44
%RSD	35.77969	11.12754	2.144194	1.661120	.6217546	.6400063	.5900246
#1	.3322257	3.494589	6.570665	8.988376	9365.891	4479.396	31559.07
#2	.2451643	3.430801	6.569258	9.229632	9464.275	4526.065	31822.63
#3	.4975597	4.173605	6.817016	8.953276	9470.409	4532.206	31921.72

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	322.5880	5.917698	48383.89	8.102833	-1.61243	3.947471	-3.13415
SDev	1.6788	.568554	316.50	.464392	.64795	1.356198	1.47355
%RSD	.5204176	9.607687	.6541502	5.731229	40.18480	34.35613	47.01615
#1	320.6702	5.735615	48031.50	7.571157	-2.22710	5.249627	-1.63077
#2	323.3024	6.554989	48476.18	8.308250	-.935668	4.049764	-3.19572
#3	323.7914	5.462491	48643.98	8.429092	-1.67453	2.543023	-4.57595

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.034236	1.038176	5.399139	7.848724	-6.33692	5.864651	24.73202
SDev	8.120591	.658640	1.712979	3.164237	2.48528	.133469	.28470
%RSD	161.3073	63.44205	31.72689	40.31530	39.21897	2.275819	1.151139
#1	8.602816	1.569089	7.086338	11.46809	-9.06544	5.936346	24.78712
#2	-4.25958	1.244319	5.449584	5.606004	-4.20260	5.946950	24.98514
#3	10.75947	.3011208	3.661495	6.472076	-5.74273	5.710656	24.42380

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	12032.03	L-17.1102	1475.316	48.46090	1.649656
SDev	80.91	.9338	5.606	.60185	.141175
%RSD	.6724932	5.457510	.3799662	1.241932	8.557847
#1	11939.10	L-17.4409	1468.903	48.92306	1.508481
#2	12070.16	L-16.0560	1477.765	47.78034	1.649656
#3	12086.84	L-17.8336	1479.281	48.67931	1.790831

Method: STL3 Sample Name: CCV2 Operator: NP
Run Time: 07/08/05 13:11:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49.39307	5036.648	522.8081	Q1391.387	510.0656	506.3775	19167.71
SDev	.15882	15.016	2.1066	38.933	1.2620	2.3875	96.62
%RSD	.3215511	.2981395	.4029478	2.798139	.2474128	.4714829	.5040799
#1	49.20967	5021.330	521.6528	Q1431.799	508.6188	503.6236	19056.21
#2	49.48475	5037.269	521.5318	Q1388.237	510.6386	507.8650	19220.09
#3	49.48478	5051.343	525.2396	Q1354.124	510.9394	507.6437	19226.83

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	502.0757	511.4732	506.3723	513.1909	5207.418	38425.97	19155.81
SDev	2.4780	2.0488	1.5543	1.4299	26.276	86.62	55.75
%RSD	.4935609	.4005669	.3069415	.2786312	.5045912	.2254255	.2910280
#1	499.2534	509.1810	504.5858	511.5670	5177.766	38376.17	19091.91
#2	503.8948	513.1263	507.1168	513.7437	5216.676	38375.76	19180.96
#3	503.0790	512.1122	507.4142	514.2618	5227.811	38526.00	19194.54

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	507.0560	510.0146	40034.21	512.3016	508.0222	514.5756	500.8377
SDev	2.2667	4.1810	18.41	2.4308	7.8234	2.6467	4.4018
%RSD	.4470356	.8197756	.0459903	.4744935	1.539977	.5143461	.8788972
#1	504.4395	505.2804	40016.76	509.4983	501.1842	511.8380	495.7845
#2	508.3032	511.5623	40032.41	513.5819	506.3287	514.7677	503.8389
#3	508.4252	513.2010	40053.45	513.8248	516.5536	517.1210	502.8897

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	500.0693	515.6004	514.0631	507.6436	508.2102	507.4532	505.5262
SDev	5.8849	1.9710	3.9240	3.9962	11.8655	1.3384	2.0295
%RSD	1.176812	.3822764	.7633281	.7872085	2.334758	.2637484	.4014578
#1	497.6822	516.2542	509.6325	504.5713	499.4922	505.9078	503.2047
#2	495.7530	513.3856	515.4569	512.1614	503.4157	508.2163	506.4100
#3	506.7726	517.1614	517.0999	506.1980	521.7227	508.2356	506.9639

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	625.2645	509.4949	502.5799	503.3191	492.3007
SDev	1.3747	9.0882	1.3213	1.8032	4.7502
%RSD	.2198639	1.783765	.2629053	.3582666	.9648921
#1	623.6771	499.3972	501.0628	501.2377	486.9936
#2	626.0584	512.0692	503.1984	504.4105	493.7543
#3	626.0580	517.0182	503.4785	504.3091	496.1543

Method: STL3 Sample Name: CCB2 Operator: NP
Run Time: 07/08/05 13:17:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2088977	-17.6364	-2.36649	720.3913	.0047718	.0246669	2.246553
SDev	.1583021	.2233	1.80388	27.7084	.0000077	.0368877	.204796
%RSD	75.77973	1.266182	76.22574	3.846292	.1620164	149.5434	9.116021
#1	.2353588	-17.7695	-1.02604	749.6462	.0047785	.0615499	2.128314
#2	.0390325	-17.7611	-1.65601	716.9827	.0047737	-.012225	2.483031
#3	.3523018	-17.3786	-4.41743	694.5449	.0047634	.0246761	2.128314

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0955793	.1226629	.0660727	-.322607	5.307140	-7.36879	2.682386
SDev	.1280116	.2167669	.2546904	.130782	1.879657	3.75201	.871267
%RSD	133.9323	176.7176	385.4700	40.53904	35.41751	50.91761	32.48105
#1	-.018718	-.033503	-.149077	-.230582	3.682288	-10.6438	2.179597
#2	.0715551	.3701478	.3472857	-.264927	4.873372	-8.18752	2.179123
#3	.2339009	.0313437	.0000090	-.472314	7.365761	-3.27501	3.688439

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.000163	.6372905	20.64029	.2684945	2.528287	-1.13441	2.165638
SDev	.035454	1.103820	3.04658	.0347535	2.507933	1.09966	2.636034
%RSD	21730.51	173.2051	14.76037	12.94383	99.19493	96.93670	121.7209
#1	.0203624	1.911872	23.85386	.3085963	.6669159	-2.40418	4.830566
#2	-.041102	-.000000	20.27303	.2497423	1.537723	-.501577	2.106865
#3	.0202503	-.000000	17.79399	.2471449	5.380222	-.497466	-.440518

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-3.32739	-1.96575	-.720162	1.064711	3.257979	-.067087	-.001026
SDev	6.08581	1.82909	1.042338	2.193639	3.348868	.136080	.063519
%RSD	182.9001	93.04796	144.7366	206.0313	102.7897	202.8421	6193.121
#1	.6723505	-3.69287	-1.76160	1.929683	.0354797	.0225212	-.037326
#2	-10.3311	-2.15495	.3230733	-1.42955	3.018136	-.000107	-.038069
#3	-.323408	-.049410	-.721958	2.694001	6.720320	-.223674	.0723185

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	-.200669	2.566886	.0466511	.0627897	.4548972
SDev	1.240052	1.159662	.0036719	.0653438	.3647091
%RSD	617.9589	45.17778	7.871061	104.0677	80.17396
#1	-1.59059	2.101778	.0445311	.1256198	.8182921
#2	.7923271	3.886901	.0508911	.0675562	.4575115
#3	.1962526	1.711979	.0445311	-.004807	.0888880

Method: STL3 Sample Name: 210049-5 Operator: NP
Run Time: 07/08/05 13:23:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4383296	13.58750	1.064509	803.8807	172.7983	-.024038	H198359.0
SDev	.1430885	.79276	2.175414	3.8799	.6007	.021210	1385.2
%RSD	32.64403	5.834506	204.3585	.4826459	.3476506	88.23727	.6983531
#1	.2794912	13.84224	-.967618	808.3240	172.1059	-.011789	H196819.0
#2	.4783524	14.22158	.8017952	801.1627	173.1804	-.011795	H198754.3
#3	.5571451	12.69868	3.359349	802.1553	173.1087	-.048530	H199503.5

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2035540	8.952352	-.341197	6.611636	127.6129	2159.460	60637.78
SDev	.1185000	.217812	.199419	.124578	3.7822	15.955	328.50
%RSD	58.21552	2.433018	58.44669	1.884227	2.963792	.7388558	.5417450
#1	.0822172	8.862016	-.336438	6.473449	128.1873	2141.857	60266.65
#2	.3189974	9.200797	-.144201	6.715343	123.5764	2163.554	60755.43
#3	.2094475	8.794242	-.542953	6.646116	131.0751	2172.970	60891.26

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7262.218	-.728332	21467.97	859.0715	.8945884	2.640913	-2.87440
SDev	32.228	.417205	170.86	4.5531	2.668426	.904918	2.48926
%RSD	.4437749	57.28219	.7958674	.5300014	298.2853	34.26536	86.60091
#1	7225.118	-1.09250	21282.66	854.0104	3.853776	2.250445	-.059957
#2	7278.253	-.819374	21501.97	860.3695	.1585706	1.996785	-3.77607
#3	7283.283	-.273125	21619.26	862.8348	-1.32858	3.675508	-4.78718

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.119174	1.700492	3.109618	5.608615	-1.45989	-1.16538	62.31126
SDev	8.098960	.814088	1.619196	.882926	4.33661	.12277	.42663
%RSD	723.6554	47.87364	52.07058	15.74232	297.0500	10.53501	.6846831
#1	-.250048	2.619936	2.065176	5.075806	3.242477	-1.09814	61.86185
#2	-6.20790	1.410200	2.288838	5.122261	-2.32045	-1.09091	62.71072
#3	9.815468	1.071341	4.974840	6.627777	-5.30170	-1.30708	62.36120

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	10377.50	L-10.1105	982.3385	-.000361	.5150273
SDev	65.10	3.6781	4.2122	.018419	.2719554
%RSD	.6272926	36.37864	.4287906	5108.439	52.80408
#1	10304.01	-7.60394	977.4751	-.009150	.8182921
#2	10400.53	-8.39457	984.7178	-.012739	.4339824
#3	10427.94	L-14.3329	984.8227	.0208071	.2928074

Method: STL3 Sample Name: 210049-6 Operator: NP
Run Time: 07/08/05 13:29:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2174366	6.225704	5.919014	780.7221	215.1828	-.036486	H189292.9
SDev	.1205795	1.139904	5.208462	11.8716	.5259	.021151	805.0
%RSD	55.45503	18.30965	87.99543	1.520587	.2443967	57.97021	.4252904
#1	.0858276	6.230545	-.087433	791.9180	214.5812	-.048755	H188367.1
#2	.3225950	7.363180	9.186853	781.9742	215.5552	-.012063	H189828.2
#3	.2438873	5.083386	8.657622	768.2741	215.4120	-.048641	H189683.5

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3012700	11.67045	-.495001	7.574177	4262.270	1452.877	56995.51
SDev	.0929075	.31585	.245943	.099569	21.938	9.825	211.76
%RSD	30.83861	2.706435	49.68524	1.314584	.5147058	.6762455	.3715410
#1	.1957815	11.30574	-.376698	7.459205	4238.411	1443.052	56751.13
#2	.3709238	11.85268	-.777739	7.631651	4281.570	1462.702	57125.02
#3	.3371047	11.85294	-.330566	7.631676	4266.830	1452.877	57110.37

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5290.916	-.273125	19893.12	58.38531	1.371438	-.765697	-2.85808
SDev	13.120	.946131	120.45	.44742	1.342046	1.543765	1.28095
%RSD	.2479805	346.4101	.6054860	.7663164	97.85686	201.6156	44.81863
#1	5276.541	-1.36562	19754.03	58.75942	1.124305	-.337409	-1.68776
#2	5302.246	.2731245	19962.93	58.50683	.1701340	-2.47839	-2.65991
#3	5293.962	.2731245	19962.38	57.88969	2.819876	.5187035	-4.22657

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-3.15119	-.943207	-.677875	7.078191	-1.47886	-.966658	6.278051
SDev	1.77569	.562877	2.217089	2.468238	2.92607	.223868	.123032
%RSD	56.34978	59.67695	327.0645	34.87103	197.8600	23.15896	1.959710
#1	-5.20151	-.302501	-.355636	5.110267	-.866887	-.981119	6.212372
#2	-2.11152	-1.35818	-3.03845	9.847553	-4.66252	-.735910	6.419985
#3	-2.14054	-1.16894	1.360460	6.276752	1.092829	-1.18294	6.201797

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	11062.93	L-14.2652	1221.295	-.072986	.4182963
SDev	60.57	.8006	3.035	.044805	.0641982
%RSD	.5475469	5.612313	.2485093	61.38923	15.34754
#1	10993.23	L-15.1240	1217.872	-.058499	.4026102
#2	11102.84	L-13.5395	1223.657	-.123242	.3633949
#3	11092.72	L-14.1320	1222.355	-.037216	.4888838

Method: STL3 Sample Name: 210049-7 Operator: NP
Run Time: 07/08/05 13:35:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0745455	-3.41356	-.915160	856.0015	39.71315	-.098182	H426023.2
SDev	.0677448	2.32780	1.788874	19.1147	.16292	.021308	1367.2
%RSD	90.87704	68.19278	195.4711	2.233026	.4102310	21.70266	.3209125
#1	.1527701	-5.95443	-1.11829	876.1074	39.53170	-.085858	H424449.2
#2	.0352440	-2.90250	.9666081	853.8342	39.76089	-.122787	H426915.2
#3	.0356225	-1.38375	-2.59380	838.0627	39.84687	-.085902	H426705.2

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1992356	1.923079	-1.01510	2.453932	L-76.6874	8952.924	H158096.7
SDev	.1172608	.219294	.32522	.039970	4.0724	40.082	698.8
%RSD	58.85533	11.40325	32.03857	1.628799	5.310335	.4476957	.4419793
#1	.0849136	2.173420	-1.06135	2.430820	L-80.5092	8910.895	H157301.9
#2	.3192293	1.830875	-1.31473	2.500085	L-72.4039	8957.154	H158374.2
#3	.1935638	1.764943	-.669232	2.430891	L-77.1491	8990.723	H158614.1

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1357.796	-.819374	65582.82	6.875038	1.287140	-.382357	-4.88357
SDev	5.315	.819374	137.51	.447916	1.585406	.880968	2.93900
%RSD	.3914189	99.99999	.2096663	6.515100	123.1728	230.4048	60.18150
#1	1351.674	-.000000	65432.15	7.250177	.8662155	.6119010	-5.05306
#2	1360.492	-1.63875	65614.77	6.379116	-.045327	-.693224	-1.86349
#3	1361.224	-.819374	65701.53	6.995820	3.040530	-1.06575	-7.73416

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.020770	1.374988	-1.26051	8.599994	-2.36481	-.979053	-.030823
SDev	4.571990	2.932912	.34615	.916250	2.31446	.006543	.062230
%RSD	151.3518	213.3046	27.46129	10.65407	97.87123	.6683173	201.8932
#1	8.006655	4.761292	-1.46048	7.542001	-2.46767	-.975661	-.044431
#2	2.030762	-.359152	-.860809	9.128014	-4.62612	-.986596	.0370846
#3	-.975106	-.277177	-1.46024	9.129968	-.000623	-.974902	-.085123

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	5562.849	L-325.451	3008.610	-.349622	.7032606
SDev	27.434	6.405	9.818	.036623	.1541581
%RSD	.4931675	1.967925	.3263284	10.47498	21.92048
#1	5532.267	L-332.645	2997.558	-.310235	.8182921
#2	5570.986	L-320.370	3011.951	-.382648	.7633907
#3	5585.294	L-323.338	3016.321	-.355982	.5280991

Method: STL3 Sample Name: 210049-8 5 Operator: NP
Run Time: 07/08/05 13:41:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2100132	58.22740	1.660197	765.9257	203.1969	.0268879	84420.62
SDev	.1591402	1.53714	2.549787	8.6892	.3656	.0000728	591.02
%RSD	75.77631	2.639887	153.5834	1.134475	.1799024	.2708996	.7000947
#1	.0645358	59.87428	3.435590	774.7700	202.7960	.0268625	83769.37
#2	.3799777	57.97722	-1.26156	765.6067	203.2828	.0269700	84569.61
#3	.1855261	56.83070	2.806559	757.4003	203.5118	.0268312	84922.91

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2846942	4.933963	3.492106	2.505794	10081.15	11060.67	14955.00
SDev	.3490882	.373776	.280735	.155988	64.30	32.88	44.14
%RSD	122.6186	7.575578	8.039125	6.225077	.6378357	.2972395	.2951407
#1	.3199671	4.573109	3.263804	2.494480	10012.82	11042.93	14905.40
#2	.6148069	4.909337	3.805558	2.667131	10090.16	11040.47	14969.67
#3	-.080691	5.319444	3.406956	2.355772	10140.47	11098.60	14989.93

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7275.715	-1.36562	34633.39	11.24927	3.388856	.4647836	-1.37685
SDev	36.791	.72262	162.66	.43173	1.833819	.4105250	2.78269
%RSD	.5056724	52.91502	.4696727	3.837826	54.11322	88.32606	202.1048
#1	7234.601	-.819374	34477.43	11.68111	3.750776	.9379849	-2.67955
#2	7287.006	-2.18500	34620.72	11.24904	1.401061	.2524976	1.818230
#3	7305.537	-1.09250	34802.02	10.81766	5.014731	.2038683	-3.26924

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-4.82922	.0970178	.6475912	1.838156	4.162044	1.035287	2.298861
SDev	5.90657	1.470835	.3761486	2.905801	2.717155	.008824	.007670
%RSD	122.3091	1516.046	58.08427	158.0824	65.28416	.8522834	.3336558
#1	1.373117	1.605004	.6041757	-1.16586	6.204407	1.042621	2.307164
#2	-5.47359	-1.33361	1.043564	2.045712	1.078219	1.025495	2.297381
#3	L-10.3872	.0196612	.2950342	4.634615	5.203506	1.037746	2.292039

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	2278.050	-5.41591	290.6210	2.984154	.9751532
SDev	10.666	2.06682	.5408	.074091	.0815074
%RSD	.4682220	38.16210	.1860864	2.482799	8.358424
#1	2266.330	-6.80244	290.1628	2.960616	.9280949
#2	2280.631	-3.04041	290.4828	3.067153	1.069270
#3	2287.189	-6.40488	291.2175	2.924691	.9280949

Method: STL3 Sample Name: 210016-1 P Operator: NP
Run Time: 07/08/05 13:47:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2111728	1178.608	1.716489	720.2121	18.44620	.0915988	12280.25
SDev	.0985246	7.146	3.519677	.7434	.05422	.0001746	53.30
%RSD	46.65589	.6062816	205.0510	.1032254	.2939154	.1906359	.4339924
#1	.1198110	1170.360	1.081466	721.0692	18.40804	.0914005	12219.71
#2	.3155636	1182.541	-1.44245	719.7424	18.42231	.0916665	12300.94
#3	.1981438	1182.923	5.510448	719.8247	18.50826	.0917295	12320.10

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1167728	.7674895	3.846946	11.61913	1213.944	918.5040	658.0279
SDev	.1553031	.2350722	.085885	.03460	7.080	6.9635	3.8085
%RSD	132.9960	30.62872	2.232554	.2977994	.5832055	.7581301	.5787791
#1	.2805345	.6319088	3.797579	11.65376	1205.769	911.6811	653.6687
#2	-.028398	.6316322	3.946117	11.58455	1218.049	918.2311	659.7045
#3	.0981820	1.038927	3.797141	11.61909	1218.014	925.6000	660.7105

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	22.42498	.5462491	24449.50	2.287535	1.332530	13.79920	-1.62126
SDev	.03518	.0000000	141.94	.185627	.461834	.33507	1.97255
%RSD	.1568897	.0000000	.5805275	8.114731	34.65842	2.428213	121.6674
#1	22.38436	.5462491	24295.58	2.473542	1.763161	13.81501	-3.37182
#2	22.44529	.5462491	24477.70	2.102289	.8448027	13.45650	-2.00797
#3	22.44530	.5462491	24575.21	2.286774	1.389626	14.12609	.5160016

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.19731	10.48451	15.45326	5.636000	-.816979	10.70136	20.99051
SDev	4.04225	1.60699	.50861	2.013215	1.013655	.22369	.34011
%RSD	337.6116	15.32727	3.291284	35.72063	124.0737	2.090286	1.620322
#1	-.542157	11.67955	14.88033	7.552699	-1.12827	10.92510	20.69355
#2	-5.52711	8.657631	15.85154	5.816831	-1.63848	10.70126	21.36156
#3	2.477349	11.11634	15.62791	3.538470	.3158154	10.47772	20.91642

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	5106.184	.4050946	40.26385	37.55152	.5385565
SDev	24.263	.7918186	.15302	.09037	.0296933
%RSD	.4751611	195.4651	.3800466	.2406591	5.513500
#1	5078.186	.4047726	40.09365	37.45020	.5516282
#2	5121.075	1.197074	40.30782	37.62381	.5594712
#3	5119.290	-.386563	40.39007	37.58054	.5045699

Method: STL3 Sample Name: 210034-1 C Operator: NP
Run Time: 07/08/05 13:53:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.044020	-8.75010	.2647696	683.6294	127.5134	.0125371	H127146.4
SDev	.222682	.22148	1.183083	20.3619	.1463	.0212548	364.0
%RSD	505.8694	2.531218	446.8351	2.978504	.1147503	169.5345	.2862955
#1	-.292072	-8.62283	-.528094	703.5276	127.4513	-.012006	H126738.9
#2	.0213585	-9.00585	-.302236	684.5272	127.4084	.0248058	H127260.7
#3	.1386547	-8.62162	1.624639	662.8334	127.6805	.0248114	H127439.5

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6727155	2.980514	1.265874	12.70597	-4.85115	4956.456	4847.923
SDev	.0964293	.135954	.249270	.05281	3.94673	4.491	11.136
%RSD	14.33433	4.561433	19.69151	.4156379	81.35644	.0906054	.2297013
#1	.5997390	2.843975	1.035216	12.65990	-1.98020	4953.863	4835.335
#2	.7820352	2.981692	1.530311	12.69442	-9.35174	4953.863	4851.946
#3	.6363722	3.115876	1.232097	12.76360	-3.22152	4961.641	4856.488

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1090.318	-.455208	H158957.6	5.323324	4.433337	2.408657	-1.85410
SDev	1.933	.417205	524.6	.584005	.939196	1.240062	1.28029
%RSD	.1772768	91.65151	.3299977	10.97068	21.18485	51.48357	69.05201
#1	1088.395	-.546249	H159469.0	5.982714	3.374151	.9776891	-1.78873
#2	1090.298	-.000000	H158983.1	4.871295	5.164630	3.079380	-3.16583
#3	1092.261	-.819374	H158420.8	5.115964	4.761229	3.168901	-.607745

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-2.33839	2.830225	2.197388	12.90426	.2032263	-.190178	134.6437
SDev	6.25271	.904824	1.447743	1.65668	1.242675	.005007	.0025
%RSD	267.3938	31.97003	65.88470	12.83823	611.4733	2.632969	.0018655
#1	-4.33720	1.871373	.5307174	11.64386	-.755505	-.191428	134.6409
#2	-7.34732	2.950265	3.143039	12.28821	1.607182	-.184664	134.6457
#3	4.669339	3.669037	2.918408	14.78070	-.241997	-.194442	134.6444

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	1620.061	-5.61072	260.7943	.1717732	.1098028
SDev	8.017	2.14265	.3829	.0311755	.1372722
%RSD	.4948574	38.18853	.1468162	18.14923	125.0170
#1	1611.120	-6.20632	260.6452	.2077647	-.028758
#2	1622.450	-7.39257	260.5084	.1531665	.2457491
#3	1626.611	-3.23328	261.2293	.1543885	.1124171

Method: STL3 Sample Name: 210034-2 C Operator: NP
Run Time: 07/08/05 13:59:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1702423	2.026660	.7483011	530.2641	77.82506	-.036668	84167.12
SDev	.0451775	1.372307	3.669584	7.1596	.33688	.021329	469.78
%RSD	26.53715	67.71276	490.3887	1.350198	.4328679	58.16736	.5581488
#1	.1180762	.5045049	4.917818	538.0610	77.49558	-.048949	83648.41
#2	.1964891	2.406279	-1.99006	528.7462	77.81072	-.012040	84289.02
#3	.1961615	3.169196	-.682853	523.9852	78.16888	-.049016	84563.93

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0299631	.3244709	3.271604	.7025350	6.109251	29264.95	13.27546
SDev	.0928887	.3922704	.075816	.0914232	3.283989	117.24	2.30454
%RSD	310.0102	120.8954	2.317401	13.01333	53.75437	.4006257	17.35936
#1	.0546792	.7774245	3.256092	.5988591	2.384184	29133.68	12.77268
#2	-.072784	.0989317	3.353976	.7715971	7.357379	29301.93	11.26383
#3	.1079939	.0970565	3.204742	.7371488	8.586189	29359.24	15.78988

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.049725	1.001457	24147.03	.6988534	-.795227	-1.73481	-.996297
SDev	.035522	.417205	177.67	.1886140	1.588937	.19991	.815693
%RSD	.8771419	41.65978	.7357876	26.98906	199.8092	11.52370	81.87249
#1	4.070341	1.092498	23948.46	.7397888	-.159828	-1.59392	-1.26988
#2	4.070126	1.365623	24201.70	.8636380	-2.60354	-1.64690	-.078981
#3	4.008708	.5462491	24290.95	.4931333	.3776840	-1.96362	-1.64003

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-2.32278	-2.68048	-1.26348	4.884388	-3.63178	-.137270	32.70016
SDev	5.29008	2.29699	1.08471	4.495955	2.21884	.124396	.11056
%RSD	227.7478	85.69318	85.85075	92.04747	61.09524	90.62094	.3380950
#1	3.675650	-.161043	-2.31009	9.952471	-5.20940	-.210638	32.58955
#2	-4.32246	-4.65818	-.144311	1.375915	-4.59128	-.207532	32.81067
#3	-6.32153	-3.22223	-1.33605	3.324778	-1.09465	.0063582	32.70026

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	66.91372	2.520589	1484.026	.1432322	.0392153
SDev	4.16957	2.067395	6.301	.0248437	.0593867
%RSD	6.231268	82.02031	.4245668	17.34503	151.4376
#1	65.12662	.1443173	1476.911	.1154946	.0653588
#2	63.93558	3.906517	1486.270	.1634395	-.028758
#3	71.67897	3.510934	1488.899	.1507625	.0810449

Method: STL3 Sample Name: 210034-2 C-SD 5 Operator: NP
Run Time: 07/08/05 14:05:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0390503	L-14.4564	.0570923	484.0927	15.67295	-.024364	17058.20
SDev	.0390370	1.9109	2.035769	7.9449	.02983	.021237	126.48
%RSD	99.96609	13.21845	3565.751	1.641204	.1903587	87.16524	.7414844
#1	.0001486	L-12.4320	.3723596	493.1854	15.64905	-.012189	16925.41
#2	.0782213	L-14.7083	-2.11792	480.6020	15.66340	-.012017	17071.91
#3	.0387808	L-16.2289	1.916836	478.4908	15.70639	-.048886	17177.26

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0239269	.0890845	.4288572	-.195792	2.041938	4974.878	2.854917
SDev	.0375085	.2464916	.1246678	.034523	3.520497	13.312	.768265
%RSD	156.7629	276.6940	29.06976	17.63249	172.4096	.2675765	26.91024
#1	.0353250	.3623322	.3133290	-.161325	6.107051	4960.413	2.687267
#2	.0544141	.0214528	.4122440	-.230371	.0029080	4977.607	2.184321
#3	-.017958	-.116531	.5609986	-.195680	.0158554	4986.613	3.693164

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6339743	-.546249	4503.148	.1035186	1.450824	-1.29773	1.286847
SDev	.0001677	.819374	2.948	.4374325	.087497	.99792	1.298123
%RSD	.0264514	150.0000	.0654622	422.5640	6.030845	76.89741	100.8763
#1	.6337881	.2731245	4499.787	.1859481	1.368541	-1.26590	2.480429
#2	.6340214	-.546249	4505.296	-.369264	1.542738	-.316108	1.475323
#3	.6341134	-1.36562	4504.359	.4938722	1.441191	-2.31119	-.095212

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-3.99926	-1.44690	-1.22406	-.658063	2.502687	-.453626	5.234037
SDev	3.79002	.82878	1.12582	3.351268	1.782716	.228511	.066120
%RSD	94.76802	57.27998	91.97383	509.2623	71.23209	50.37428	1.263267
#1	-2.32505	-1.05327	-1.37285	3.211151	.4476185	-.220426	5.196488
#2	-8.33808	-.888286	-.031247	-2.64639	3.633164	-.677140	5.310383
#3	-1.33465	-2.39915	-2.26808	-2.53895	3.427278	-.463312	5.195241

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	10.83893	1.469378	305.1391	.0032767	-.135946
SDev	1.49592	3.265826	.9872	.0512821	.031697
%RSD	13.80135	222.2591	.3235259	1565.064	23.31607
#1	12.22304	5.097506	304.0813	-.002487	-.107188
#2	9.251919	.5458959	305.3000	-.044880	-.169933
#3	11.04184	-1.23527	306.0359	.0571970	-.130718

Method: STL3 Sample Name: MB Operator: NP
Run Time: 07/08/05 14:11:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1045768	11.16289	.7145886	503.3150	.1480238	-.012186	121.0774
SDev	.2610757	.76602	1.453286	6.4161	.0247949	.000022	.7384
%RSD	249.6498	6.862232	203.3738	1.274768	16.75060	.1779112	.6098657
#1	.2744997	10.39807	2.389506	508.1727	.1336966	-.012204	120.2497
#2	.2352659	11.16048	-.033265	505.7305	.1337203	-.012162	121.6686
#3	-.196035	11.93011	-.212475	496.0417	.1766544	-.012192	121.3139

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1023960	.4653040	.6446736	-.046128	.7724038	8.596887	2.036516
SDev	.0676477	.4086004	.2626887	.071944	5.553047	2.046870	.768266
%RSD	66.06480	87.81364	40.74755	155.9651	718.9306	23.80944	37.72453
#1	.0721616	.0372122	.4461736	.0113733	1.222229	10.64374	2.204166
#2	.0551383	.8511268	.5452941	-.126803	-4.99188	8.596917	2.707114
#3	.1798881	.5075730	.9425531	-.022955	6.086857	6.550001	1.198269

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.211183	.2731246	54.48377	.8242174	3.502014	-1.90404	-.959327
SDev	.000143	1.190522	1.80624	.1271856	1.308599	1.02693	3.933603
%RSD	.0044633	435.8899	3.315186	15.43108	37.36703	53.93412	410.0378
#1	3.211261	1.092498	56.13646	.8639604	4.843594	-1.10297	-1.61934
#2	3.211271	.8193736	54.75922	.6819059	2.229101	-3.06174	3.262534
#3	3.211018	-1.09250	52.55563	.9267858	3.433347	-1.54742	-4.52117

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3383667	-7.60577	.9417546	8.385666	1.062849	.0031778	29.73146
SDev	4.941238	1.05915	1.677485	1.269944	1.927291	.0141733	.39245
%RSD	1460.321	13.92565	178.1234	15.14422	181.3325	446.0149	1.319972
#1	3.673323	-8.58610	2.632189	9.325364	2.605069	.0128798	29.36008
#2	-5.33840	-7.74888	-.722474	8.890745	-1.09773	.0097411	30.14203
#3	2.680175	-6.48234	.9155487	6.940890	1.681206	-.013088	29.69226

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	6.725801	5.491980	.4656752	.1116622	.4444398
SDev	.593573	2.086156	.0036935	.0251064	.0119805
%RSD	8.825306	37.98550	.7931466	22.48421	2.695633
#1	6.132485	3.511965	.4678236	.0972154	.4418255
#2	6.725288	5.293836	.4614103	.1406525	.4575115
#3	7.319630	7.670139	.4677916	.0971187	.4339824

Method: STL3 Sample Name: LCSM05FLCS003 Operator: NP
Run Time: 07/08/05 14:17:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	306.2903	6290.998	1071.642	1024.099	317.1037	115.9690	31803.15
SDev	1.5473	25.880	8.410	10.706	1.3506	.7365	197.16
%RSD	.5051869	.4113851	.7847693	1.045376	.4259053	.6350930	.6199501
#1	304.5408	6261.847	1069.622	1034.112	315.6145	115.1406	31577.43
#2	306.8511	6299.877	1080.878	1025.369	317.4472	116.2163	31890.30
#3	307.4791	6311.270	1064.425	1012.814	318.2493	116.5500	31941.73

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	315.7382	316.6665	318.5211	321.4112	26782.50	18902.27	15904.00
SDev	1.9142	2.1370	2.2697	1.1311	167.50	48.65	81.22
%RSD	.6062489	.6748353	.7125714	.3519047	.6254101	.2573866	.5106600
#1	313.5394	314.4577	315.9406	320.1675	26591.17	18861.60	15812.45
#2	316.6426	316.8182	319.4147	321.6877	26853.70	18889.03	15932.17
#3	317.0325	318.7236	320.2080	322.3784	26902.64	18956.17	15967.38

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	212.7242	310.8157	32501.31	320.3008	560.5792	1048.758	1052.931
SDev	1.4947	2.6339	89.96	1.1736	2.7240	7.100	8.707
%RSD	.7026515	.8474212	.2767764	.3663951	.4859265	.6770266	.8269294
#1	211.0512	308.9039	32397.57	319.0039	560.1860	1040.770	1051.973
#2	213.1931	309.7232	32548.52	321.2896	558.0732	1051.156	1044.742
#3	213.9282	313.8201	32557.83	320.6090	563.4784	1054.349	1062.077

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1064.234	1049.654	1048.310	564.0640	558.8384	318.9723	325.0490
SDev	12.696	4.619	8.793	2.0868	3.4161	2.0467	1.5914
%RSD	1.192955	.4400470	.8387632	.3699565	.6112788	.6416441	.4895867
#1	1053.945	1044.632	1038.840	562.1798	559.1896	316.6456	323.4117
#2	1060.336	1053.721	1049.875	563.7053	555.2604	319.7770	325.1451
#3	1078.422	1050.609	1056.216	566.3069	562.0654	320.4943	326.5901

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	300.2871	.0824158	-.053704	1053.456	.2013051
SDev	1.9068	.6818500	.007296	5.759	.0431962
%RSD	.6349953	827.3294	13.58628	.5466867	21.45807
#1	298.1122	.7930080	-.055426	1046.956	.2457491
#2	301.0768	.0207410	-.045700	1055.489	.1986907
#3	301.6721	-.566502	-.059985	1057.923	.1594755

Method: STL3 Sample Name: CCV3 Operator: NP
Run Time: 07/08/05 14:23:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50.46291	5113.773	523.4536	Q914.6029	511.7607	508.3451	19190.41
SDev	.14131	22.587	3.8974	11.4561	.9162	2.2243	115.44
%RSD	.2800199	.4416966	.7445485	1.252577	.1790282	.4375546	.6015385
#1	50.34506	5092.872	519.1719	Q927.3625	511.1687	505.8746	19060.47
#2	50.42410	5137.735	526.7943	Q911.2460	512.8160	508.9723	19229.67
#3	50.61956	5110.714	524.3948	Q905.2003	511.2974	510.1885	19281.10

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	504.1086	510.3945	505.8103	513.8933	5237.033	38280.23	19266.12
SDev	2.1892	2.8402	2.1127	.9824	27.792	124.68	55.05
%RSD	.4342694	.5564730	.4176818	.1911753	.5306866	.3256944	.2857184
#1	501.6542	507.1549	503.3951	513.0872	5205.008	38219.38	19202.57
#2	504.8116	511.5721	506.7202	514.9876	5251.248	38423.65	19297.15
#3	505.8599	512.4565	507.3155	513.6052	5254.842	38197.68	19298.66

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	507.8306	510.6519	40094.35	512.4207	511.9304	514.7034	504.4226
SDev	2.0287	2.7629	120.32	1.8214	4.5133	2.0589	1.9851
%RSD	.3994841	.5410569	.3000936	.3554435	.8816177	.4000177	.3935386
#1	505.5412	507.4654	39996.82	510.9096	508.4119	512.3265	503.3648
#2	508.5458	512.1085	40228.81	511.9096	517.0190	515.9368	503.1903
#3	509.4049	512.3817	40057.42	514.4430	510.3602	515.8469	506.7125

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	505.1166	516.5397	513.7858	507.1395	514.3212	507.9818	508.5620
SDev	12.0549	1.1718	2.5894	3.6893	6.0681	1.7779	2.6475
%RSD	2.386562	.2268498	.5039897	.7274661	1.179831	.3499838	.5205772
#1	518.7327	515.3400	510.8213	502.9845	511.1205	505.9329	505.5301
#2	495.8041	516.5980	515.6058	508.4028	521.3196	509.1164	510.4165
#3	500.8130	517.6813	514.9302	510.0311	510.5235	508.8962	509.7394

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	639.5432	507.9597	503.5348	505.1729	495.0746
SDev	2.8204	4.4085	.8844	1.4102	3.2134
%RSD	.4410042	.8678870	.1756361	.2791545	.6490641
#1	637.3454	503.2084	502.6808	503.5695	491.4642
#2	642.7234	508.7528	504.4468	506.2207	496.1386
#3	638.5608	511.9178	503.4769	505.7286	497.6210

Method: STL3 Sample Name: CCB3 Operator: NP
Run Time: 07/08/05 14:29:21
Comment:
Mode: CONC Corr. Factor: .1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0526092	-.132047	-2.21651	375.1470	.0286346	.0370261	23.29321
SDev	.2393849	1.538281	3.51031	9.4050	.0165154	.0215139	.20480
%RSD	455.0245	1164.954	158.3709	2.507017	57.67646	58.10476	.8792189
#1	-.156262	1.266383	-1.03692	385.0559	.0191053	.0618682	23.41145
#2	.3138401	.1172128	.5520713	374.0417	.0477050	.0246420	23.41145
#3	.0002496	-1.77974	-6.16468	366.3436	.0190935	.0245681	23.05673

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1620009	-.117556	-.000102	-.276661	4.524827	15.28339	21.79407
SDev	.0473713	.104186	.171881	.052749	6.980524	5.18362	.50295
%RSD	29.24138	88.62643	168698.5	19.06621	154.2716	33.91671	2.307723
#1	.1810363	-.027726	.0991815	-.334248	-1.21358	9.415684	21.79407
#2	.1968935	-.093170	.0990862	-.230686	12.29614	19.24070	21.29113
#3	.1080728	-.231772	-.198573	-.265048	2.491920	17.19378	22.29702

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.041558	1.456664	14.17643	.2062978	2.114639	-.046302	-.392897
SDev	.000194	.687348	1.14281	.1269281	4.568574	2.573012	3.596464
%RSD	.4656903	47.18647	8.061330	61.52661	216.0451	5557.067	915.3713
#1	-.041553	1.365623	15.20477	.3078884	5.332300	-2.34415	-4.54569
#2	-.041754	2.184996	14.37842	.0640134	4.126148	2.733668	1.700577
#3	-.041367	.8193736	12.94609	.2469917	-3.11453	-.528420	1.666422

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-3.66202	-.719306	.2888963	1.814379	2.263545	-.131764	.6663911
SDev	9.06822	2.143283	2.871856	2.612418	5.545840	.259184	.0646902
%RSD	247.6286	297.9655	994.0783	143.9841	245.0069	196.7025	9.707545
#1	4.667164	-1.99717	-2.51818	3.585390	6.203446	-.430902	.6288974
#2	-13.3222	1.755098	3.221419	3.043672	4.665576	.0257728	.7410887
#3	-2.33107	-1.91584	.1634504	-1.18592	-4.07839	.0098366	.6291871

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	-.599763	3.987250	.0587610	.1063552	.3764667
SDev	.342177	2.937648	.0073593	.1248604	.3885546
%RSD	57.05199	73.67604	12.52418	117.3995	103.2109
#1	-.402226	4.711859	.0502632	.2415304	.8026060
#2	-.402188	6.494785	.0630046	.0821944	.2849643
#3	-.994874	.7551053	.0630152	-.004659	.0418296

Sample Information File C:\AAUSER\SAMPINFO\070805.SIF

Description :
Batch ID : 51180, 51181, 51184, 51185
Volume Units : mL
Weight Units :
Analyst : N.P.
Sample Volume : 0.50

Loc	AS	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		210084-2 MD	1.0000		1	
54		210084-2 MS	1.0000		1	N.P. 7/8/05
55		3	1.0000			
56		4	1.0000			
57		CCVM05GWRK001	1.0000		1.0000	

N.P. 7/8/05

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

Element: Hg Seq. No.: 36 AS Loc.: 38 Date: 07/08/2005
Sample ID: 210084-6 S

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.655	1.655	0.0393	0.2373	0.0401	04:48:12	No

Element: Hg Seq. No.: 37 AS Loc.: 39 Date: 07/08/2005
Sample ID: 210084-7 S

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.891	0.891	0.0212	0.1299	0.0220	04:49:33	No

Element: Hg Seq. No.: 38 AS Loc.: 40 Date: 07/08/2005
Sample ID: 210084-8 S

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.488	0.488	0.0116	0.0724	0.0124	04:50:55	No

Element: Hg Seq. No.: 39 AS Loc.: 41 Date: 07/08/2005
Sample ID: 210084-9 S

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.078	0.078	0.0019	0.0154	0.0026	04:52:13	No

Element: Hg Seq. No.: 40 AS Loc.: 42 Date: 07/08/2005
Sample ID: 210084-10 S

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.108	0.108	0.0026	0.0200	0.0034	04:53:08	No

Element: Hg Seq. No.: 41 AS Loc.: 43 Date: 07/08/2005
Sample ID: 210084-11 S

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.057	0.057	0.0014	0.0122	0.0021	04:54:03	No

Element: Hg Seq. No.: 42 AS Loc.: 44 Date: 07/08/2005
Sample ID: 210084-12 S

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.050	0.050	0.0012	0.0115	0.0020	04:54:58	No

Element: Hg Seq. No.: 43 AS Loc.: 45 Date: 07/08/2005
Sample ID: CCVM05GWRK001

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.922	4.922	0.1152	0.6854	0.1159	04:55:53	No

Element: Hg Seq. No.: 44 AS Loc.: 46 Date: 07/08/2005
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.024	0.024	0.0006	0.0074	0.0013	04:57:15	No

Element: Hg Seq. No.: 45 AS Loc.: 47 Date: 07/08/2005
Sample ID: 210086-1 S

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.360	1.360	0.0323	0.1950	0.0331	04:58:10	No

Element: Hg Seq. No.: 46 AS Loc.: 48 Date: 07/08/2005
Sample ID: 210086-2 S

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.448	0.448	0.0107	0.0676	0.0115	04:59:27	No

Element: Hg Seq. No.: 47 AS Loc.: 49 Date: 07/08/2005
Sample ID: 210088-1 S

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.051	0.051	0.0012	0.0122	0.0020	05:00:41	No

Element: Hg Seq. No.: 48 AS Loc.: 50 Date: 07/08/2005
Sample ID: 210088-2 S

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.054	0.054	0.0013	0.0119	0.0021	05:01:37	No

Element: Hg Seq. No.: 49 AS Loc.: 51 Date: 07/08/2005
Sample ID: 210088-3 S

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.347	0.347	0.0083	0.0526	0.0090	05:02:31	No

Element: Hg Seq. No.: 50 AS Loc.: 52 Date: 07/08/2005
Sample ID: 210088-4 S

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.055	0.055	0.0013	0.0121	0.0021	05:03:46	No

Element: Hg Seq. No.: 51 AS Loc.: 53 Date: 07/08/2005
Sample ID: 210084-2 MD

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.642	0.642	0.0153	0.0942	0.0161	05:04:41	No

Element: Hg Seq. No.: 52 AS Loc.: 54 Date: 07/08/2005
Sample ID: L210084-2 MS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.619	1.619	0.0384	0.2314	0.0392	05:05:59	No

Element: Hg Seq. No.: 53 AS Loc.: 55 Date: 07/08/2005
Sample ID: 3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

Element: Hg Seq. No.: 53 AS Loc.: 57 Date: 07/08/2005
Sample ID: CCVM05GWRK001

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.117	5.117	0.1196	0.7115	0.1204	05:07:48	No

Element: Hg Seq. No.: 54 AS Loc.: 58 Date: 07/08/2005
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.028	0.028	0.0007	0.0083	0.0014	05:09:07	No

Element: Hg Seq. No.: 55 AS Loc.: 59 Date: 07/08/2005
Sample ID: 5

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

Acid Dig. Leachates (ICAP)

Report Date: 7/8/05 8:55

Method Code..: 3010L
Batch Code...: 51132
Status.....: RVWD

Batch Date...: 07/08/05
Batch Time...: 844
User Name....: dwh

QC Code.....:
Calc Code.....: PFACW
Location Code..: 57207

Equipment Code.:
Import Code....:

SAMPLE:	Grp	Pos	Sample ID	Dilution	DIGICP Text	MLI mL	MLF mL	PREPF N/A	DLF N/A
	1	1	___MB__		Complete	100	50	0.5000	0.500
	1	2	___LCS_MO5FLCS003_		Complete	100	100	1.0000	1.000
	1	3	210016_1_P___		Complete	100	100	1.0000	1.000
	1	4	210034_1_C___		Complete	20	100	5.0000	5.000
	1	5	210034_2_C___		Complete	20	100	5.0000	5.000
	1	6	210046_1_P___		Complete	100	50	0.5000	0.500
	1	7	210046_2_P___		Complete	100	50	0.5000	0.500
	1	8	210046_3_P___		Complete	100	50	0.5000	0.500
	1	9	210046_4_P___		Complete	100	50	0.5000	0.500
	1	10	210046_5_P___		Complete	100	50	0.5000	0.500
	1	11	210046_6_P___		Complete	100	50	0.5000	0.500
	1	12	210046_7_P___		Complete	100	50	0.5000	0.500
	1	13	210046_7_P_MD__12		Complete	100	50	0.5000	0.500
	1	14	210046_7_P_MS__12		Complete	100	50	0.5000	0.500
	1	15	210046_8_P___		Complete	100	50	0.5000	0.500
	1	16	210046_9_P___		Complete	100	50	0.5000	0.500
	1	17	210046_11_P___		Complete	100	50	0.5000	0.500
	1	18	210046_12_P___		Complete	100	50	0.5000	0.500

SW846 Dig. Leachates (Hg)

Report Date: 7/8/05 9:04

Method Code..: HGDL	Batch Date...: 07/08/05	QC Code.....:	Equipment Code.:
Batch Code...: 51135	Batch Time...: 900	Calc Code.....: PREPFO	Import Code....:
Status.....: RVWD	User Name....: dwh	Location Code..: 57207	

SAMPLE:	Grp	Pos	Sample ID	Dilution	DIGHG Text	MLI mL	MLF mL	PREPF N/A	DLF N/A
	1	1	___MB__		Complete	25	50	2.0000	1.0000
	1	2	___LCS_MO4JSTK001_		Complete	25	50	2.0000	1.0000
	1	3	210011_18_C___		Complete	5	50	10.0000	5.0000
	1	4	210034_1_C___		Complete	5	50	10.0000	5.0000
	1	5	210034_2_C___		Complete	5	50	10.0000	5.0000
	1	6	210106_1_C___		Complete	5	50	10.0000	5.0000

Job Number: 210034

LABORATORY TEST RESULTS

Date:07/14/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: WC-02
Date Sampled.....: 06/28/2005
Time Sampled.....: 10:05
Sample Matrix.....: Soil

Laboratory Sample ID: 210034-1
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
1030	Ignitability (solids)											
	Ignitability, Solid	Neg					1	Pos/Neg	51375		07/11/05 1520	dtn
9014M	Reactivity, Cyanide											
	Reactivity, Cyanide, Solid	ND	U			500	1.0	ug/Kg	51069		07/05/05 1655	dtn
9034M	Reactivity, Sulfide											
	Reactivity, Sulfide, Solid	ND	U		12	20	1	mg/Kg	50990		07/05/05 1108	dtn
9045C	pH (Soil)											
	pH, Solid	8.32				0.20	1	pH Units	51070		07/05/05 1318	dtn
	Corrosivity (pH Solid), Solid	no				0.20	1	* yes/no	51070		07/05/05 1318	dtn

* In Description = Dry Wgt.

Job Number: 210034

LABORATORY TEST RESULTS

Date:07/14/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: WC-01
Date Sampled.....: 06/28/2005
Time Sampled.....: 10:40
Sample Matrix.....: Water

Laboratory Sample ID: 210034-2
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
1020	Ignitability											
	Ignitability (Flashpoint)	>200					1	degrees F	51376		07/11/05 1520	dtn
9034M	Reactivity, Sulfide											
	Reactivity, Sulfide	ND	U			20	1	mg/Kg	50990		07/05/05 1125	dtn
9040B	pH (Liquid)											
	pH	12.01				0.20	1	pH Units	51493		07/08/05 1746	msh
	Corrosivity (pH-Liquids)	no				0.20	1	pH Units	51493		07/08/05 1746	msh
9014M	Reactivity, Cyanide											
	Reactivity, Cyanide, Liquid React.	ND	U			500	1.0	ug/Kg	51069		07/05/05 1657	dtn

* In Description = Dry Wgt.

QUALITY CONTROL RESULTS

Job Number.: 210034 — Report Date.: 07/14/2005

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

Test Method.....: 1030
Method Description.: Ignitability (solids)
Parameter.....: Ignitability
Batch.....: 51375
Equipment Code....:
Analyst...: dtn
Test Code.: IGNSOL

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MD	210011-18		Pos/Neg	Neg				Neg					07/11/2005	1610

Test Method.....: 1020
Method Description.: Ignitability
Parameter.....: Ignitability (Flashpoint)
Batch.....: 51376
Equipment Code....:
Analyst...: dtn
Test Code.: IGNPMC

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MD	210001-5		degrees F	160.00000				161.00000					07/11/2005	1610

Test Method.....: 9014M
Method Description.: Reactivity, Cyanide
Parameter.....: Reactivity, Cyanide
Batch.....: 51069
Equipment Code....: LACHET 3
Analyst...: dtn
Test Code.: REACCN

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	F	*	Limits	Date	Time
ICV	51069-001	W05GINT001	ug/L	103.67			100.00			104			90-110	07/05/2005	1649
ICB	51069-002		ug/L	10.00	U									07/05/2005	1650
CCV	51069-003	W05GINT001	ug/L	103.43			100.00			103		%	90-110	07/05/2005	1651
CCB	51069-004		ug/L	10.00	U									07/05/2005	1652
MB	51069-006		ug/Kg	500.00	U									07/05/2005	1654
MD	210034-1		ug/Kg	500.00	U			500.00	U	0.4656			500.0000	07/05/2005	1656
CCV	51069-010	W05GINT001	ug/L	103.50			100.00			104		%	90-110	07/05/2005	1658
CCB	51069-011		ug/L	10.00	U									07/05/2005	1659

Test Method.....: 9034M
Method Description.: Reactivity, Sulfide
Parameter.....: Reactivity, Sulfide
Batch.....: 50990
Equipment Code....:
Analyst...: dtn
Test Code.: REACS

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	F	*	Limits	Date	Time
MB	50990-001		mg/Kg	12.26	U									07/05/2005	0930
MS	50990-002	W05FSTK018	mg/Kg	432.00			480.00	12.26	U	90			0-200	07/05/2005	0946
MD	209999-1		mg/Kg	12.20	U			12.20	U	0.0160			19.9000	07/05/2005	1035
MS	209999-1	W05FSTK018	mg/Kg	12.19	U		480.00	12.19	U	-2			0-200	07/05/2005	1052
MB	50990-009		mg/Kg	12.26	U									07/05/2005	1141
MS	50990-010	W05FSTK018	mg/Kg	368.00			480.00	12.26	U	77			0-200	07/05/2005	1157
MD	210034-1		mg/Kg	12.22	U			12.22	U	0.0160			19.9400	07/05/2005	1214
MS	210034-1	W05FSTK018	mg/Kg	270.65			480.00	12.20	U	56			0-200	07/05/2005	1230

Test Method.....: 9045C
Method Description.: pH (Soil)
Parameter.....: Corrosivity (pH Solid)
Batch.....: 51070
Equipment Code....:
Analyst...: dtn
Test Code.: CORSOL

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	51070-001		yes/no	no									07/05/2005	1300
MDPH	210034-1		yes/no	no				no	0.00		A	0.20000	07/05/2005	1430

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

QUALITY CONTROL RESULTS

Job Number.: 210034 Report Date.: 07/14/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

Test Method.....: 9040B Batch.....: 51493 Analyst...: msh
Method Description.: pH (Liquid) Equipment Code....: Test Code.: CORLIQ
Parameter.....: Corrosivity (pH-Liquids)

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	51493-001		pH Units	no								07/08/2005	1712

Test Method.....: 9045C Batch.....: 51070 Analyst...: dtn
Method Description.: pH (Soil) Equipment Code....: Test Code.: PH
Parameter.....: pH

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	51070-001		pH Units	5.72000								07/05/2005	1300
MDPH	210034-1		pH Units	8.52000			8.32000	0.20000		A	0.40000	07/05/2005	1430

Test Method.....: 9040B Batch.....: 51493 Analyst...: msh
Method Description.: pH (Liquid) Equipment Code....: Test Code.: PH
Parameter.....: pH

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	51493-001		pH Units	5.72000								07/08/2005	1712
MDPH	210045-3		pH Units	7.24000			7.19000	0.05000		A	0.20000	07/08/2005	1723

MSH 7/15/05

0001
0034
0089
0093

0011
0106

Ignitablity Logbook

MSH 7/15/05

Lab Sample ID	Analyst	Date	Seconds to Ignite	Distance Burned	Burn Rate	DOT Ignitable
p-xylene	DKG	7/11/05	81°F	N/A	N/A	N/A
210001-5	↓	↓	161°F	↓	↓	↓
~~210012-1~~			~~[circled, struck through]~~			
210034-2			>200°F			
210089-2			>200°F			
210093-1			>200°F			
-2			>200°F			
-3			>200°F	↓	↓	↓
210011-18			DNI	N/A	N/A	Neg.
210034-1			DNI	↓	↓	Neg.
210089-1			* 1 sec.	8cm in 2 minutes	0.67mm/sec.	Neg.
210106-1			DNI	N/A	N/A	Neg.
210108-1	↓	↓	DNI	↓	↓	Neg.
210001-5MD	↓	↓	160°F	N/A	N/A	N/A
210011-18MD	↓	↓	DNI	↓	↓	Neg.

Margin annotations: 51376 (bracketing p-xylene through 210093-3); 51375 (bracketing 210011-18 through 210108-1)

* reached max time ~~[illegible]~~

Notes: DNI - Did not Ignite
NA - Not Applicable

Reviewed By: [signature] Date: 7/13/05
STL Form CVF04300.CT

REACTIVITY

Cyanide Distillation Log

335.4 / 9012 **Start time:** **End time:**

App #	Sample ID	Sample Vol./Wt	Distillation Volume	KI as is	LA
1	MB	10.00	100		
2	MS CN^-	10.00	↓		
3	MS S^{2-}	10.00			
4	210034-1	10.00			
5	-1MD	10.03			
6	-1MS	10.05			
7	-2	10.01	✓		
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Analyst: RJ Date: 7/5/05 CN^-=a0013

Class S weight: - Spike Amount Added: S^{2-}=10.00mL Block Temp(°C)

0.25 N NAOH Lot#: W05FRG1016 #1 -

1:1 H_2SO_4 Lot#: N/A #2 -

Mg Chloride Lot#:

Sulfamic Acid Lot#:

Antifoam Emulsion Lot#:

Bismuth Nitrate Lot#:

Ascorbic Acid Lot#:

Reviewed by: [signature] Date: 7/13/05

STL Form# CVF05801.CT

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STL Logbook# CV71.4

Cyanide ICV and Calibration Standards

Stock Solution 1000 mg/L CN: Dissolve 2.51g of KCN and 2.0g KOH in distilled water and dilute to 1 liter. Standardize with 0.0192N $AgNO_3$ at time of preparation. The solution is stable for six months ans shall be stored at 4°C.

NOTE: Make sure the source of the KCN used for the ICV and the cyanide stock solutions are different.

Intermediate Solution 100 mg/L CN: Transfer 20mL of 0.25N NaOH (9.1.3) to a 100mL volumetric flask. Using a 25mL buret, transfer the amount of Stock cyanide stock solution indicated on the bottle to the flask. Dilute to the mark with distilled water. Prepare fresh daily.

Intermediate Standards For ICV and Calibration Standards

Stock Solution Lot. #	Stock Conc. (mg/L)	Stock Vol. (mls)	Final vol. (mls)	Final Conc. (mg/L)	Standards Lot #	Analyst's Name	Date
W05BSTK006			100	100	CN:ICV: W05FINT013	MM	6/30/05
CN:ICV: W05FINT013		3.0	200	1.50	CN:ICV: W05FWRK020		
W05BSTK007			100	100	CN:WS: W05FINT014		
CN:WS: W05FINT014		2.0	200	1.00	CN:WS: W05FWRK021		

NOTE: 20 mls of 0.25N NaOH per 100 ml is added to the working standards.

ICV Distillation: Use 5.0 mls of 1.50 mg/L ICV intermediate solution to 50 mls 0.25N NaOH.
300 ug/L Std. Distillation: Use 15 mls of 1.00 mg/L Calib intermediate solution to 50 mls 0.25N NaOH.
40.0 ug/L Std. Distillation: Use 2.0 mls of 1.00 mg/L Calib. intermediate solution to 50 mls 0.25N NaOH.
To spike with 2ug CN: Use. 2.0 mls of 1.00 mg/L Calib. Intermediate solution to 50 ml of aqueous sample or 1 g soil..

Standards Preparation Table:

Stock Solution Lot. #	Stock Conc. (mg/L)	Stock Vol. (mls)	Final vol. (mls)	Conc. (ug/L)	Standards Lot #	Analyst's Name	Date
CN:WS: W05FINT014	100	5.0	100	5000	W05GINT001		
WO	5.00	15	250	300			
	5.00	10	250	200			
	5.00	5.0	250	100			
	5.00	2.5	250	50.0			
	5.00	1.0	250	20.0			
	5.00	0.5	250	10.0			

Bring all Standards to volume with 0.25N NaOH

Soil LCS Vendor/Lot #: W04HLCS006 TV: 150 mg/Kg

LCS Range: 60 to 240 mg/Kg

Reviewed by: DM Date: 7/8/05
STL Form# CVF05801.CT

ICV = 150 ug/L
CCV = 100 ug/L
OPERATOR: ddm
ACQ. TIME: Jul 5, 2005 16:49:38
DATA FILENAME: C:\OMNION\DATA\C050705A.FDT
METHOD FILENAME:
TRAY FILENAME: C:\OMNION\TRAYS\C050705A.TRA

51069

TRAY DESCRIPTION:
Created: Jul 5, 2005 16:34:25
Modified: Jul 5, 2005 16:49:37

DATA DESCRIPTION:

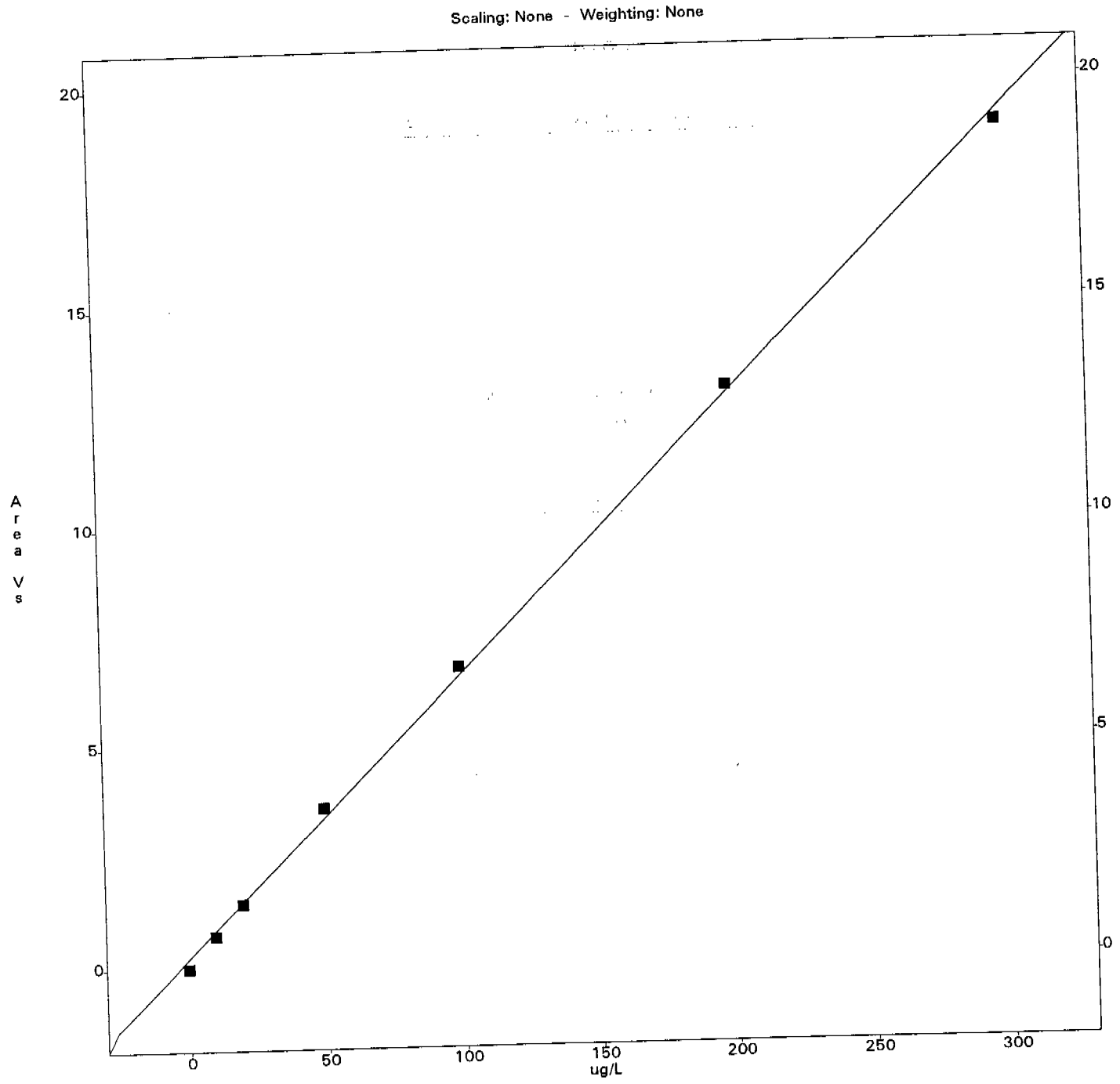
Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 1 to 27

Cup	Sample ID	Sampling Time	# of Reps	cyanide (ug/L)	Man Dil Factor	Weight	Unit
1	ICNICVW05GINT001	16:49:45	1	103.6654	1.0	1.00000	g
2	ICNICB	16:50:41	1	-3.3953	1.0	1.00000	g
3	ICNCCVW05GINT001	16:51:37	1	103.4345	1.0	1.00000	g
4	ICNCCB	16:52:34	1	-3.3953	1.0	1.00000	g
5	ICNMS	16:53:30	1	334.5021	5.0	1.00000	g
6	ICNMB	16:54:27	1	-3.3953	1.0	1.00000	g
7	ICN210034-1	16:55:22	1	-3.3953	1.0	1.00000	g
8	ICN210034-1 -MD	16:56:17	1	-2.9297	1.0	1.00000	g
9	ICN210034-2	16:57:12	1	-3.3953	1.0	1.00000	g
10	ICNCCVW05GINT001	16:58:08	1	103.5016	1.0	1.00000	g
11	ICNCCB	16:59:03	1	-3.3953	1.0	1.00000	g

cyanide

Lvl	Area	ug/L	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Replic STD	Replic % RSD	Residual 1st Poly
1	18941752	300	18941752					0.0	0.0	1.2
2	13025499	200	13025499					0.0	0.0	-1.4
3	6728946	100	6728946					0.0	0.0	-3.1
4	3603817	50	3603817					0.0	0.0	-7.3
5	1441542	20	1441542					0.0	0.0	2.9
6	721947	10	721947					0.0	0.0	19.7
7	0	0	0							

1st Order Poly
Conc = 1.583e-005 Area - 3.395e+000
r = 0.9996



Printed: Tuesday, July 05, 2005 - 04:48 PM

OPERATOR: ddm
ACQ. TIME: Jul 5, 2005 16:49:38
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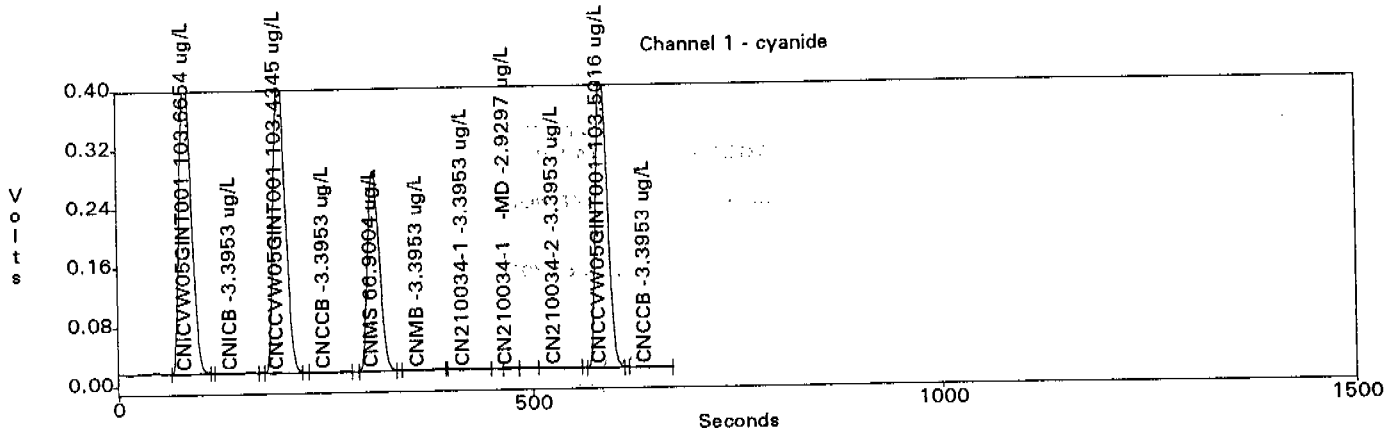
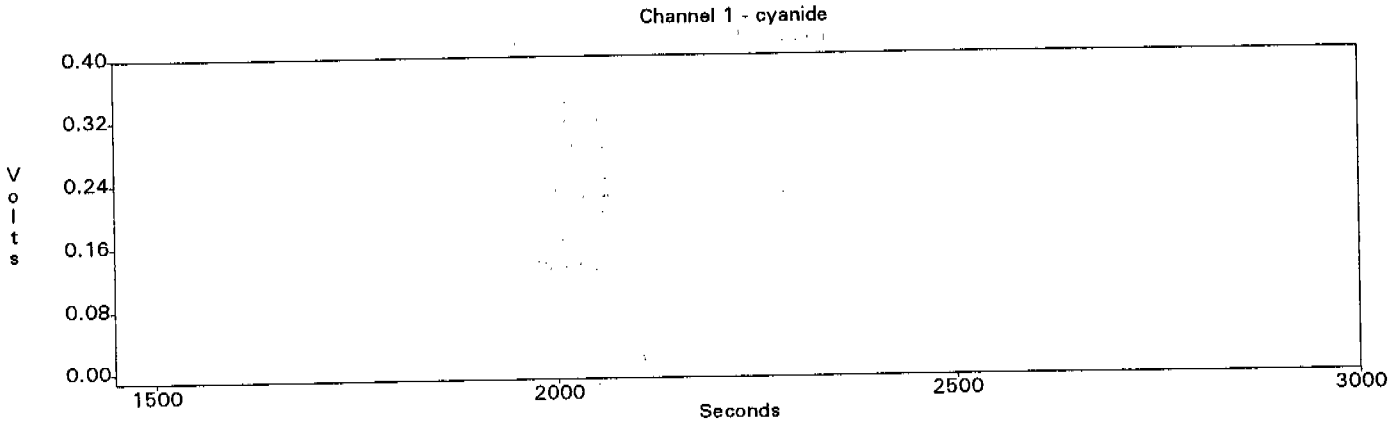
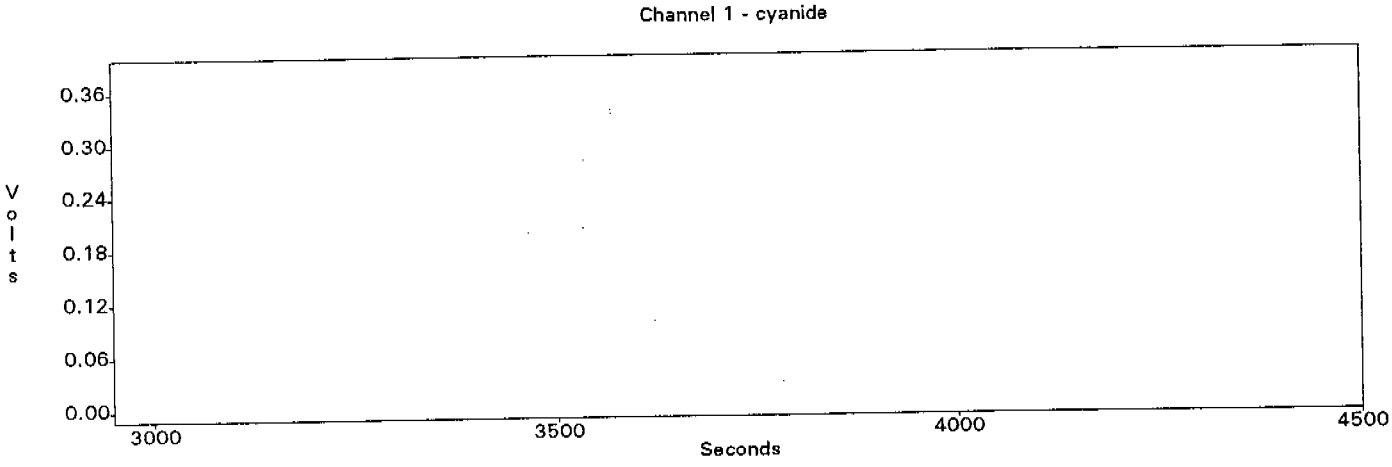
METHOD FILENAME:
TRAY FILENAME: C:\OMNION\TRAYS\C050705A.TRA

TRAY DESCRIPTION:
Created: Jul 5, 2005 16:34:25
Modified: Jul 5, 2005 16:49:37

DATA DESCRIPTION:
Created: Jul 5, 2005 16:49:38
Modified: Jul 5, 2005 16:49:38







OPERATOR: ddm
ACQ. TIME: Jul 5, 2005 16:36:51
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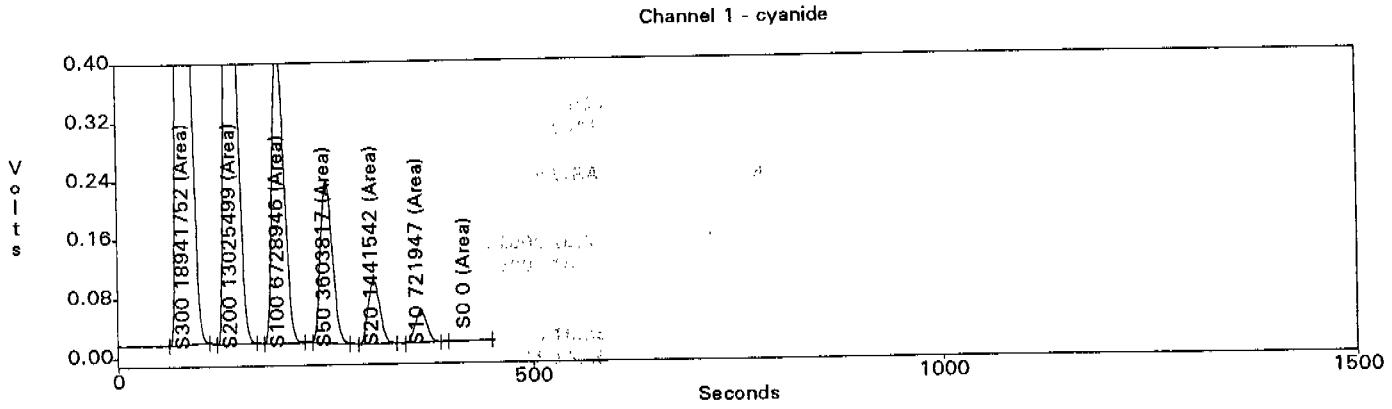
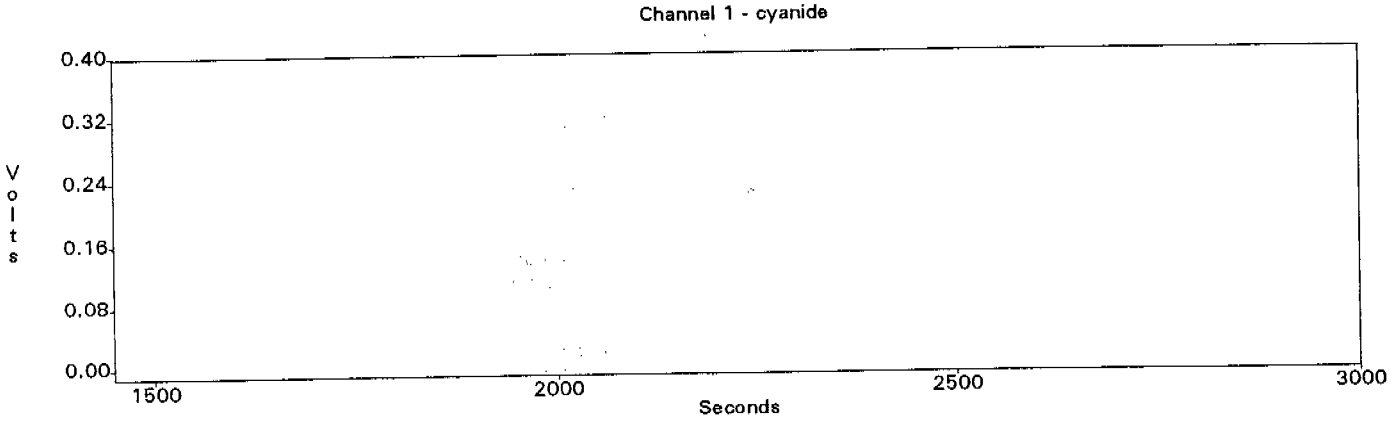
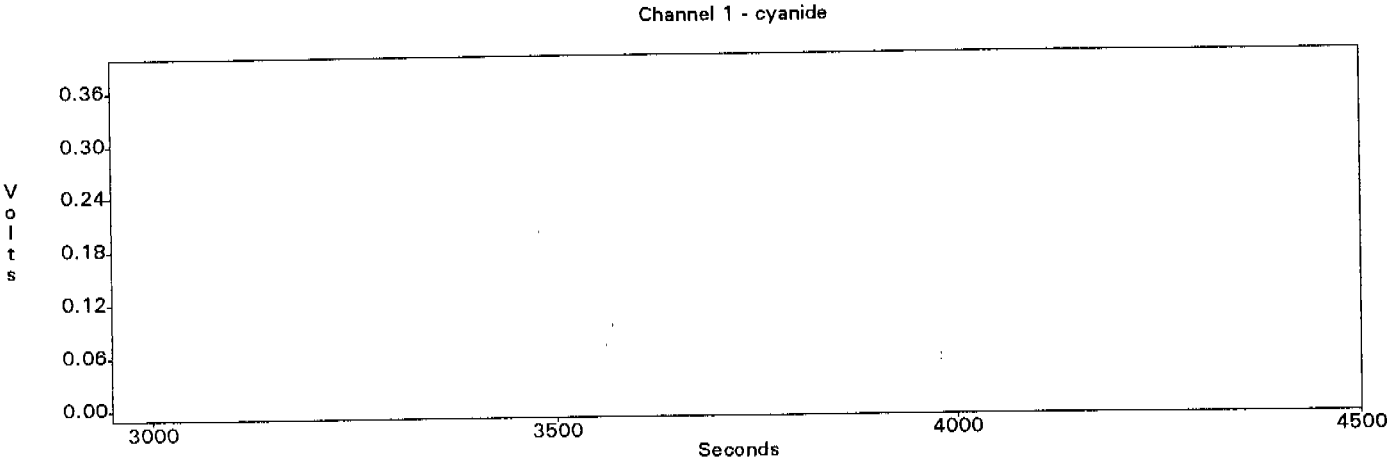
METHOD FILENAME:
TRAY FILENAME: C:\OMNION\TRAYS\C050705.TRA

TRAY DESCRIPTION:
Created: Jul 5, 2005 16:34:47
Modified: Jul 5, 2005 16:34:47

DATA DESCRIPTION:
Created: Jul 5, 2005 16:36:51
Modified: Jul 5, 2005 16:36:51







Sulfide Analysis Logbook Sulfide Method: 7342 50990

QC#	Sample ID	Sample Vol./wt (ml/g)	Dist Vol. (ml)	Titration Volume (ml)	Buret Reading Initial	Buret Reading Final	Total (ml)	Iodine Used (mls)	Sulfide PPM
STD	$K_2Cr_2O_7$	3ml			0.00	30.20	30.30	—	—
STD	$K_2Cr_2O_7$	3ml			0.00	30.40		—	—
I_2soln	I_2 Standardization	10ml			0.00	10.15	10.15	10	
I_2soln	I_2 Standardization	10ml			10.15	20.30		10	
Stock	W05FSTK01P			2	20.30	27.90	7.60	10	480
Stock				2	27.90	35.50		10	
BS	↓	10.00	100	50	0.00	4.60	4.60	10	432
1	MB	10.00			4.60	14.70	10.10	10	<20.0
2	209839-1	10.05			14.70	24.80	10.10	10	
3	209999-1	10.07			24.80	34.90	10.10	10	
4	-1MD	10.05			0.00	10.10	10.10	10	
5	-1MS	10.06			10.10	20.20	10.10	10	↓
6	BS	10.00			20.20	25.60	5.40	10	368
7	MB	10.00			25.60	35.70	10.10	10	<20.0
8	210034-1	10.00			0.00	10.10	10.10	10	
9	-1MD	10.03			10.10	20.20	10.10	10	↓
10	-1MS	10.05			20.20	26.80	6.60	10	271
11	-2	10.01	↓	↓	26.80	36.90	10.10	10	<20.0
12									
13									

$Na_2S_2O_3$ Reference: W05FRGT003 Iodide Reference: W05FRGT007

Analyst: RW Date: 7/5/05 $Na_2S_2O_3$ Normality = 0.025 (0.9999-1) Iodide Normality = 0.025

Spike Added: ____ Spike %Rec: 56 0.0336 BS %Rec: 77 2ND 90 1ST Dup %RPD: NC

Sulfide Source	Lot #	Wt (g)	Final Vol (ml)	True Value
W05FSTK01P	—	1.01	250	480

Reviewed by: RM Date: 7/5/05
STL Form# CVF00102.CT

Sulfide Analysis Logbook Sulfide Method: 7342 5090

QC#	Sample ID	Sample Vol./wt (ml/g)	Dist Vol. (ml)	Titration Volume (ml)	Buret Reading Initial	Buret Reading Final	Total (ml)	Iodine Used (mls)	Sulfide PPM
STD	$K_2Cr_2O_7$	3ml			0.00	30.20		—	—
STD	$K_2Cr_2O_7$	3ml			0.00	30.40	30.30	—	—
I_2soln	I_2 Standardization	10ml			0.00	10.15	10.15	10	
I_2soln	I_2 Standardization	10ml			10.15	20.30		10	
Stock	W05FSTK01P			2	20.30	27.90	7.60	10	480
Stock				2	27.90	35.50		10	
BS		10.00	100	50	0.00	4.60	4.60	10	432
1	MB	10.00			4.60	14.70	10.10	10	<20.0
2	209839-1	10.05			14.70	24.80	10.10	10	
3	209999-1	10.07			24.80	34.90	10.10	10	
4	-1MD	10.05			0.00	10.10	10.10	10	
5	-1MS	10.06			10.10	20.20	10.10	10	
6	BS	10.00			20.20	25.60	5.40	10	368
7	MB	10.00			25.60	35.70	10.10	10	<20.0
8	210034-1	10.00			0.00	10.10	10.10	10	
9	-1MD	10.03			10.10	20.20	10.10	10	
10	-1MS	10.05			20.20	26.80	6.60	10	271
11	-2	10.01			26.80	36.90	10.10	10	<20.0
12									
13									

$Na_2S_2O_3$ Reference: W05FRGT003 Iodide Reference: W05FRGT007

Analyst: RJ Date: 7/5/05 $Na_2S_2O_3$ Normality = 0.025 Iodide Normality = 0.025

Spike Added: ____ Spike %Rec: 56 0.9999-1 BS %Rec: 90 1ST 77 2ND Dup %RPD: NC

Sulfide Source	Lot #	Wt (g)	Final Vol (ml)	True Value
W05FSTK01P	—	1.01	250	480

Reviewed by: DM Date: 7/5/05

STL Form# CVF00102.CT

pH Record

51070

Sample ID	Soils Only		pH	Temp.°C	Corrosivity (y/n)	Analyst	Date
	Sample Mass	Final Volume					
MB			5.71	18.5	N	DKG	7/5/05
4.00			4.01	19.2			
7.00			6.99	19.3			
10.00			10.01	19.4			
MB			5.72	18.5			
210046-1	20.47	20mL	~~20.47~~ 6.02 DKG 7/5	20.1			
-2	20.47	20mL	11.45	20.0			
-3	20.47	20mL	8.89	19.1			
210034-1	20.57	20mL	8.32	19.4			
-1MS	20.35	20mL	8.52	19.2			
7.00			6.97	19.5			

Class S Wt: _____

RPD: 0.2

pH 4.0 Buffer lot#: W05F5TK017

pH 7.0 Buffer lot# W05E5TK004

pH 10.0 Buffer lot#: W05C5TK013

Reviewed by: DN Date: 7/7/05

STL Form# CVF01502.CT

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STL Logbook# CV15.18

STL Shelton CT

Analyst D. Nemeth for DLC

PC-TitratION PLUS

Report Date: 07/12/2005
Report Time: 9:57 AM

Run Number
387

Order Number
20050708-2

alk = # 5148 ~~5147~~
plt = # 51493

SampleID	RunDate	RunTime	cond (uS)	pH	palk-ppm	talk-ppm	bcarb-ppm	carb-ppm	hydr-ppm
Rinse Blank	07/08/2005	12:26 PM	-1.00	6.19	.00	25.92	25.92	.00	.00
Method Blank	07/08/2005	12:31 PM	-1.00	5.61	.00	.16	.16	.00	.00
LCS-1	07/08/2005	12:37 PM	-1.00	8.88	26.13	50.70	.00	49.14	1.56
209947-2	07/08/2005	12:42 PM	-1.00	5.70	.00	.21	.21	.00	.00
209947-3	07/08/2005	12:48 PM	-1.00	5.68	.00	12.67	12.67	.00	.00
209947-4	07/08/2005	12:54 PM	-1.00	5.92	.00	28.50	28.50	.00	.00
209947-5	07/08/2005	1:01 PM	-1.00	5.50	.00	1.19	1.19	.00	.00
209947-7	07/08/2005	1:08 PM	-1.00	6.31	.00	6.77	6.77	.00	.00
209947-8	07/08/2005	1:15 PM	-1.00	5.97	.00	2.46	2.46	.00	.00
209947-8 -MD	07/08/2005	1:22 PM	-1.00	6.02	.00	2.51	2.51	.00	.00
209947-9	07/08/2005	1:30 PM	-1.00	6.56	.00	6.79	6.79	.00	.00
209947-10	07/08/2005	1:37 PM	-1.00	7.52	.00	36.11	36.11	.00	.00
209947-11	07/08/2005	1:45 PM	-1.00	6.82	.00	8.13	8.13	.00	.00
209947-12	07/08/2005	1:53 PM	-1.00	6.56	.00	6.91	6.91	.00	.00
209947-13	07/08/2005	1:59 PM	-1.00	5.58	.00	10.21	10.21	.00	.00
209947-15	07/08/2005	2:04 PM	-1.00	5.37	.00	-.04	-.04	.00	.00
209947-16	07/08/2005	2:11 PM	-1.00	5.64	.00	5.96	5.96	.00	.00
209947-17	07/08/2005	2:17 PM	-1.00	6.19	.00	16.86	16.86	.00	.00
209947-18	07/08/2005	2:23 PM	-1.00	6.28	.00	23.20	23.20	.00	.00
209947-19	07/08/2005	2:30 PM	-1.00	5.70	.00	5.83	5.83	.00	.00
209960-11	07/08/2005	2:37 PM	-1.00	7.51	.00	91.55	91.55	.00	.00
209960-12	07/08/2005	2:44 PM	-1.00	7.61	.00	103.68	103.68	.00	.00
209991-1	07/08/2005	2:52 PM	-1.00	7.81	.00	131.86	131.86	.00	.00
209991-2	07/08/2005	3:00 PM	-1.00	7.57	.00	406.47	406.47	.00	.00
209991-2 -MD	07/08/2005	3:08 PM	-1.00	7.60	.00	405.68	405.68	.00	.00
RB-2	07/08/2005	3:14 PM	-1.00	5.75	.00	.25	.25	.00	.00
MB-2	07/08/2005	3:19 PM	-1.00	5.54	.00	.08	.08	.00	.00
LCS-2	07/08/2005	3:26 PM	-1.00	8.84	23.73	50.40	2.94	47.46	.00
209991-3	07/08/2005	3:35 PM	-1.00	7.53	.00	636.22	636.22	.00	.00
209991-4	07/08/2005	3:45 PM	-1.00	7.74	.00	539.58	539.58	.00	.00
209991-7	07/08/2005	3:54 PM	-1.00	7.57	.00	496.28	496.28	.00	.00
209991-8	07/08/2005	4:00 PM	-1.00	8.20	.00	118.64	118.64	.00	.00
209991-9	07/08/2005	4:08 PM	-1.00	7.89	.00	290.61	290.61	.00	.00

PC-TitratION PLUS by Man-Tech Associates, Inc.

SampleID	RunDate	RunTime	cond (uS)	pH	palk-ppm	talk-ppm	bcarb-ppm	carb-ppm	hydr-ppm
209991-10	07/08/2005	4:16 PM	-1.00	7.88	.00	266.71	266.71	.00	.00
209991-10 -MD	07/08/2005	4:24 PM	-1.00	7.87	.00	264.30	264.30	.00	.00
209991-11	07/08/2005	4:32 PM	-1.00	7.80	.00	308.64	308.64	.00	.00
209991-12	07/08/2005	4:39 PM	-1.00	7.78	.00	298.30	298.30	.00	.00
209991-13	07/08/2005	4:49 PM	-1.00	7.74	.00	549.51	549.51	.00	.00
209991-14	07/08/2005	4:58 PM	-1.00	7.74	.00	551.51	551.51	.00	.00
RB-3	07/08/2005	5:03 PM	-1.00	5.84	.00	.28	.28	.00	.00
LCS-3	07/08/2005	5:09 PM	-1.00	8.82	23.72	50.77	3.33	47.44	.00
MB-pH ONLY	07/08/2005	5:12 PM	-1.00	5.72	-1.00	-1.00	-1.00	-1.00	-1.00
7.00 BUFFER	07/08/2005	5:15 PM	-1.00	6.98	-1.00	-1.00	-1.00	-1.00	-1.00
210045-3	07/08/2005	5:19 PM	-1.00	7.19	-1.00	-1.00	-1.00	-1.00	-1.00
210045-3 -MD	07/08/2005	5:23 PM	-1.00	7.24	-1.00	-1.00	-1.00	-1.00	-1.00
210045-4	07/08/2005	5:27 PM	-1.00	7.60	-1.00	-1.00	-1.00	-1.00	-1.00
210045-5	07/08/2005	5:31 PM	-1.00	7.53	-1.00	-1.00	-1.00	-1.00	-1.00
210045-6	07/08/2005	5:35 PM	-1.00	7.72	-1.00	-1.00	-1.00	-1.00	-1.00
210045-7	07/08/2005	5:39 PM	-1.00	7.83	-1.00	-1.00	-1.00	-1.00	-1.00
210011-12	07/08/2005	5:43 PM	-1.00	7.72	-1.00	-1.00	-1.00	-1.00	-1.00
210034-2	07/08/2005	5:46 PM	-1.00	12.01	-1.00	-1.00	-1.00	-1.00	-1.00
7.00-END	07/08/2005	5:48 PM	-1.00	6.96	-1.00	-1.00	-1.00	-1.00	-1.00

LCS TU = 51.9 mg/L LCSW04LCS005

pH 4 = W05CSTK014
pH 7 = W05ESTK004
pH 10 = W05CSTK013

PC-TitratION PLUS by Man-Tech Associates, Inc.

PC-Titrate For Windows
Timetable Template Report

Timetable Template:
20050708-1

Step	Schedule	Sample Id	Weight	Volume	Start Date	Start Time
1	PH CALIBRATION	4,7,10		20.00		
2	PH-ALKALINITY	Rinse Blank		20.00		
3	PH-ALKALINITY	Method Blank		20.00		
4	PH-ALKALINITY	LCS-1		20.00		
5	PH-ALKALINITY	209947-2		20.00		
6	PH-ALKALINITY	209947-3		20.00		
7	PH-ALKALINITY	209947-4		20.00		
8	PH-ALKALINITY	209947-5		20.00		
9	PH-ALKALINITY	209947-7		20.00		
10	PH-ALKALINITY	209947-8		20.00		
11	PH-ALKALINITY	209947-8 -MD		20.00		
12	PH-ALKALINITY	209947-9		20.00		
13	PH-ALKALINITY	209947-10		20.00		
14	PH-ALKALINITY	209947-11		20.00		
15	PH-ALKALINITY	209947-12		20.00		
16	PH-ALKALINITY	209947-13		20.00		
17	PH-ALKALINITY	209947-15		20.00		
18	PH-ALKALINITY	209947-16		20.00		
19	PH-ALKALINITY	209947-17		20.00		
20	PH-ALKALINITY	209947-18		20.00		
21	PH-ALKALINITY	209947-19		20.00		
22	PH-ALKALINITY	209960-11		20.00		
23	PH-ALKALINITY	209960-12		20.00		
24	PH-ALKALINITY	209991-1		20.00		
25	PH-ALKALINITY	209991-2		20.00		
26	PH-ALKALINITY	209991-2 -MD		20.00		
27	PH-ALKALINITY	RB-2		20.00		
28	PH-ALKALINITY	MB-2		20.00		
29	PH-ALKALINITY	LCS-2		20.00		
30	PH-ALKALINITY	209991-3		20.00		
31	PH-ALKALINITY	209991-4		20.00		
32	PH-ALKALINITY	209991-7		20.00		
33	PH-ALKALINITY	209991-8		20.00		
34	PH-ALKALINITY	209991-9		20.00		
35	PH-ALKALINITY	209991-10		20.00		
36	PH-ALKALINITY	209991-10 -MD		20.00		
37	PH-ALKALINITY	209991-11		20.00		
38	PH-ALKALINITY	209991-12		20.00		
39	PH-ALKALINITY	209991-13		20.00		

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Timetable Template:
20050708-1

Step	Schedule	Sample Id	Weight	Volume	Start Date	Start Time
40	PH-ALKALINITY	209991-14		20.00		
41	PH-ALKALINITY	RB-3		20.00		
42	PH-ALKALINITY	LCS-3		20.00		
43	PH ONLY	MB-pH ONLY		20.00		
44	PH ONLY	7.00 BUFFER		20.00		
45	PH ONLY	210045-3		20.00		
46	PH ONLY	210045-3 -MD		20.00		
47	PH ONLY	210045-4		20.00		
48	PH ONLY	210045-5		20.00		
49	PH ONLY	210045-6		20.00		
50	PH ONLY	210045-7		20.00		
51	PH ONLY	210011-12		20.00		
52	PH ONLY	210034-2		20.00		
53	PH ONLY	7.00-END		20.00		

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Calibration Report

Calibration Record # 424

Calibration Settings

Calibration ID	PH CAL 4-7-10	Date	07/08/2005
Channel	1	Time	12:21 PM
Probe Type	pH	Temperature	292.33 K 19.18 C
Probe ID	PH ELECTRODE	Analysis Type	Single Line Fit

Calibration Results

Slope	-58.877	CorrCoeff	1.0000
Intercept	19.653	Equation:	Y = (-58.877) X + (19.653)

Calibration Validity **True** Operator A

	Result	Minimum	Maximum
Slope	-58.877	-63.00	-55.00
Intercept	19.653	-50.00	50.00
Correlation Coefficient	1.0000	0.99	1.00

Note: "True" means the calibration was within the specified ranges
"False" means the calibration was NOT within the specified ranges

Calibration Data	Standard	Reading
	4.00	195.92
	7.00	20.38
	10.00	-157.34

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Calibration Report

Calibration Record # 423

Calibration Settings

Calibration ID	PH CAL 4-7-10	Date	07/08/2005
Channel	1	Time	12:07 PM
Probe Type	pH	Temperature	292.22 K 19.07 C
Probe ID	PH ELECTRODE	Analysis Type	Single Line Fit

Calibration Results

Slope	-58.470	CorrCoeff	1.0000
Intercept	17.983	Equation: Y = (-58.470) X + (17.983)	

Calibration Validity **True** Operator A

	Result	Minimum	Maximum
Slope	-58.470	-63.00	-55.00
Intercept	17.983	-50.00	50.00
Correlation Coefficient	1.0000	0.99	1.00

Note: "True" means the calibration was within the specified ranges
"False" means the calibration was NOT within the specified ranges

Calibration Data	Standard	Reading
	4.00	193.11
	7.00	18.55
	10.00	-157.71

CALRPRTLive1.SRW

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