ANALYTICAL REPORT

JOB NUMBER: 210611

Prepared For:

ERM
520 Broad Hollow Road
Suite 210
Melville, NY 11747

Project: RAECO PRODUCTS

Attention: Andy Coenen

Date: 09/14/2005

Signature

Name: William D. Goodman

Title: Project Manager

E-Mail: wgoodman@stl-inc.com

9/14/2005
Date

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

This Report Contains (292) Pages

SEVERN TRENT STL

STL Report : 210611
ERM

Case Narrative

Sample Receipt – The samples were received at 7.4°C. The client was notified, and the laboratory was instructed to proceed with the analyses.

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

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.

All samples were analyzed without any apparent problems.

Sample Calculation:

Sample ID-WC-03
Compound- Trichloroethene

$$\frac{(76142 \text{ area})(125\text{ng})(1)}{(262252 \text{ area})(.427 \text{ area/ng})(5\text{ml})} = 16.99 = 17.0 \text{ ug/L} = .017 \text{ mg/L.}$$

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.

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 – 54122-2LCS
Compound - Pyridine

$$\frac{(83146\text{Area})(20\text{ng})(1000\text{ul})}{(270139\text{Area})(0.381\text{Area/ng})(1\text{ul})(500\text{ml})} = 0.032\ \text{mg/L}$$

Metals – ICAP metals were determined using a TJA61E 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.

Due to sample matrix, Selenium cannot be determined to the MDL. However, the reporting limit is valid. No other problems occurred during analysis. All appropriate protocols were employed. All data appears to be consistent.

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: 09/14/2005

Job Number.: 210611
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
210611-1	WC-03	Soil	08/24/2005	10:15	08/25/2005	09:20

LABORATORY TEST RESULTS

Job Number: 210611

Date:09/12/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: WC-03
Date Sampled.....: 08/24/2005
Time Sampled.....: 10:15
Sample Matrix.....: Soil

Laboratory Sample ID: 210611-1
Date Received.....: 08/25/2005
Time Received.....: 09:20

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	54376		08/30/05 1431	pam
	1,1-Dichloroethene, TCLP	ND	U		0.00070	0.0050	1.00000	mg/L	54376		08/30/05 1431	pam
	2-Butanone (MEK), TCLP	ND	U		0.0012	0.010	1.00000	mg/L	54376		08/30/05 1431	pam
	Chloroform, TCLP	ND	U		0.00070	0.0050	1.00000	mg/L	54376		08/30/05 1431	pam
	Carbon tetrachloride, TCLP	ND	U		0.0010	0.0050	1.00000	mg/L	54376		08/30/05 1431	pam
	Benzene, TCLP	ND	U		0.00040	0.0050	1.00000	mg/L	54376		08/30/05 1431	pam
	1,2-Dichloroethane, TCLP	ND	U		0.00060	0.0050	1.00000	mg/L	54376		08/30/05 1431	pam
	Trichloroethene, TCLP	0.017			0.00070	0.0050	1.00000	mg/L	54376		08/30/05 1431	pam
	Tetrachloroethene, TCLP	ND	U		0.00050	0.0050	1.00000	mg/L	54376		08/30/05 1431	pam
	Chlorobenzene, TCLP	ND	U		0.00040	0.0050	1.00000	mg/L	54376		08/30/05 1431	pam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 210611

Date:09/08/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: WC-03
Date Sampled.....: 08/24/2005
Time Sampled.....: 10:15
Sample Matrix.....: Soil

Laboratory Sample ID: 210611-1
Date Received.....: 08/25/2005
Time Received.....: 09:20

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	1.00000	mg/L	54365		09/02/05 2003	epm
	1,4-Dichlorobenzene, TCLP	ND	U		0.0009	0.020	1.00000	mg/L	54365		09/02/05 2003	epm
	2-Methylphenol, TCLP	ND	U		0.001	0.020	1.00000	mg/L	54365		09/02/05 2003	epm
	Hexachloroethane, TCLP	ND	U		0.002	0.020	1.00000	mg/L	54365		09/02/05 2003	epm
	4-Methylphenol, TCLP	ND	U		0.0007	0.020	1.00000	mg/L	54365		09/02/05 2003	epm
	Nitrobenzene, TCLP	ND	U		0.002	0.020	1.00000	mg/L	54365		09/02/05 2003	epm
	Hexachlorobutadiene, TCLP	ND	U		0.002	0.020	1.00000	mg/L	54365		09/02/05 2003	epm
	2,4,6-Trichlorophenol, TCLP	ND	U		0.002	0.020	1.00000	mg/L	54365		09/02/05 2003	epm
	2,4,5-Trichlorophenol, TCLP	ND	U		0.002	0.10	1.00000	mg/L	54365		09/02/05 2003	epm
	2,4-Dinitrotoluene, TCLP	ND	U		0.002	0.020	1.00000	mg/L	54365		09/02/05 2003	epm
	Hexachlorobenzene, TCLP	ND	U		0.002	0.020	1.00000	mg/L	54365		09/02/05 2003	epm
	Pentachlorophenol, TCLP	ND	U		0.010	0.10	1.00000	mg/L	54365		09/02/05 2003	epm

5000005

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 210611

Date:09/12/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: WC-03
Date Sampled.....: 08/24/2005
Time Sampled.....: 10:15
Sample Matrix.....: Soil

Laboratory Sample ID: 210611-1
Date Received.....: 08/25/2005
Time Received.....: 09:20

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	0.0241	B		0.0195	0.200	1	mg/L	53957		08/29/05 1444	nnp
	Barium, TCLP	0.463			0.0037	0.0250	1	mg/L	53957		08/29/05 1444	nnp
	Cadmium, TCLP	ND	U		0.0055	0.0500	1	mg/L	53957		08/29/05 1444	nnp
	Chromium, TCLP	ND	U		0.0065	0.0500	1	mg/L	53957		08/29/05 1444	nnp
	Lead, TCLP	0.0173	B		0.0150	0.0500	1	mg/L	53957		08/29/05 1444	nnp
	Selenium, TCLP	0.0309	B		0.0250	0.150	1	mg/L	53957		08/29/05 1444	nnp
	Silver, TCLP	ND	U		0.0055	0.0300	1	mg/L	53957		08/29/05 1444	nnp
7470A	Leachable, Mercury (CVAA)											
	Mercury, TCLP	ND	U		0.00090	0.0100	1.0000	mg/L	53978		08/30/05 1549	nnp

9000000

* In Description = Dry Wgt.

LABORATORY CHRONICLE

Job Number: 210611

Date: 09/14/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Lab ID: 210611-1 Client ID: WC-03

Date Recvd: 08/25/2005 Sample Date: 08/24/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030A	5030CP TCLP/SPLP Prep	1	54020	53976			
3010A	Acid Dig. Leachates (ICAP)	1	53875		08/29/2005	1200	
3510C	Extraction Sep. Funnel (SVOC)	1	54122		09/01/2005	0000	
7470A	Leachable, Mercury (CVAA)	1	53978	53894	08/30/2005	1549	1.0000
6010B	Metals Analysis (ICAP Trace)	1	53957	53875	08/29/2005	1444	
7470	SW846 Dig. Leachates (Hg)	1	53894		08/28/2005	0000	
8270C	Semivolatile Organics	1	54365	54122 -53837	09/02/2005	2003	1.00000
1311	TCLP Extraction	1	53837		08/26/2005	0000	
1311	TCLP Zero Headspace Extraction	1	53976		08/29/2005	0000	
8260B	Volatile Organics (5mL Purge)	1	54376	54020 -53976	08/30/2005	1431	1.00000

SURROGATE RECOVERIES REPORT

Job Number.: 210611 Report Date.: 09/09/2005

CUSTOMER: ERM PROJECT: RABCO PRODUCTS ATTN: Andy Coenen

Method.....: Volatile Organics (5mL Purge) Method Code...: 8260.5 Prep Batch....: 53370
Batch(s).....: 54376 Test Matrix...: TCLP Equipment Code: MSL

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
EB1-53370-3			08/17/2005	78	94	84	88
LCS-53370-2			08/17/2005	86	95	86	91
MB-53370-1			08/17/2005	83	100	86	92

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....: 54020
Batch(s).....: 54376 Test Matrix...: TCLP Equipment Code: MSL

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS-54020-2			08/30/2005	89	91	92	91
MB-54020-1			08/30/2005	88	101	91	95
210611- 1		WC-03	08/30/2005	97	107	98	101
210611- 1	MS	WC-03	08/30/2005	90	97	94	87

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.: 210611

Report Date.: 09/09/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN:

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

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

Equipment Code....: MSL
Batch.....: 54376

Analyst...: pam

MS	Matrix Spike	V05GWRK012	210611-1		08/30/2005	1547

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride, TCLP	mg/L	0.038727		0.050000	0.000800 U	77		51-139	
1,1-Dichloroethene, TCLP	mg/L	0.036974		0.050000	0.000700 U	74		57-137	
2-Butanone (MEK), TCLP	mg/L	0.040284		0.050000	0.001200 U	81		30-222	
Chloroform, TCLP	mg/L	0.039708		0.050000	0.000700 U	79		70-124	
Carbon tetrachloride, TCLP	mg/L	0.041645		0.050000	0.001000 U	83		56-131	
Benzene, TCLP	mg/L	0.038676		0.050000	0.000400 U	77		68-126	
1,2-Dichloroethane, TCLP	mg/L	0.040870		0.050000	0.000600 U	82		68-124	
Trichloroethene, TCLP	mg/L	0.054993		0.050000	0.016999	76		58-125	
Tetrachloroethene, TCLP	mg/L	0.035176		0.050000	0.000500 U	70		62-118	
Chlorobenzene, TCLP	mg/L	0.037600		0.050000	0.000400 U	75		71-114	

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

QUALITY CONTROL RESULTS

Job Number.: 210611

Report Date.: 09/09/2005

CUSTOMER: ERM | PROJECT: RAECO PRODUCTS | ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05GWRK012	53370 -002		08/17/2005	0953

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

Equipment Code....: MSL
Batch.....: 54376

Analyst...: pam

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride, TCLP	mg/L	0.017444		0.020000		87	%	51-139	
1,1-Dichloroethene, TCLP	mg/L	0.018786		0.020000		94	%	57-137	
2-Butanone (MEK), TCLP	mg/L	0.024972		0.020000		125	%	30-222	
Chloroform, TCLP	mg/L	0.018453		0.020000		92	%	70-124	
Carbon tetrachloride, TCLP	mg/L	0.017325		0.020000		87	%	56-131	
Benzene, TCLP	mg/L	0.018699		0.020000		93	%	68-126	
1,2-Dichloroethane, TCLP	mg/L	0.018929		0.020000		95	%	68-124	
Trichloroethene, TCLP	mg/L	0.018081		0.020000		90	%	58-125	
Tetrachloroethene, TCLP	mg/L	0.017523		0.020000		88	%	62-118	
Chlorobenzene, TCLP	mg/L	0.019697		0.020000		98	%	71-114	

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

QUALITY CONTROL RESULTS

Job Number.: 210611

Report Date.: 09/09/2005

CUSTOMER: ERM | PROJECT: RABCO PRODUCTS | ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05GWRK012	54020 -002		08/30/2005	0932

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

Equipment Code....: MSL
Batch.....: 54376

Analyst...: pam

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride, TCLP	mg/L	0.015044		0.020000		75	%	51-139	
1,1-Dichloroethene, TCLP	mg/L	0.016781		0.020000		84	%	57-137	
2-Butanone (MEK), TCLP	mg/L	0.020328		0.020000		102	%	30-222	
Chloroform, TCLP	mg/L	0.018183		0.020000		91	%	70-124	
Carbon tetrachloride, TCLP	mg/L	0.018974		0.020000		95	%	56-131	
Benzene, TCLP	mg/L	0.017670		0.020000		88	%	68-126	
1,2-Dichloroethane, TCLP	mg/L	0.019100		0.020000		95	%	68-124	
Trichloroethene, TCLP	mg/L	0.018005		0.020000		90	%	58-125	
Tetrachloroethene, TCLP	mg/L	0.016976		0.020000		85	%	62-118	
Chlorobenzene, TCLP	mg/L	0.018049		0.020000		90	%	71-114	

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

SURROGATE RECOVERIES REPORT

Job Number.: 210611 Report Date.: 09/09/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

Method.....: Semivolatile Organics Method Code...: 8270 Prep Batch....: 54122
Batch(s).....: 54365 Test Matrix...: TCLP Equipment Code: MSU

Lab ID	DT	Sample ID	Date	246TBP	2FLUBP	2FLUPH	NITRD5	PHEND5	TERD14
EB1-54122-3			09/02/2005	94	87	59	85	48	100
LCS-54122-4			09/02/2005	107	98	72	100	54	102
MB-54122-1			09/02/2005	71	61	35	60	24	81
210611- 1		WC-03	09/02/2005	96	84	64	84	52	95

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.: 210611 Report Date.: 09/08/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	E05DSPK006	54122 -004		09/02/2005	1755

Test Method.....: 8270C Equipment Code....: MSU Analyst...: epm
Method Description.: Semivolatile Organics Batch.....: 54365

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Pyridine, TCLP	mg/L	0.03226 J		0.08000	0.00462 U	40	%	10-107	
1,4-Dichlorobenzene, TCLP	mg/L	0.06026		0.08000	0.00092 U	75	%	32-104	
2-Methylphenol, TCLP	mg/L	0.06614		0.08000	0.00118 U	83	%	42-117	
Hexachloroethane, TCLP	mg/L	0.05873		0.08000	0.00212 U	73	%	28-105	
4-Methylphenol, TCLP	mg/L	0.14301		0.16000	0.00066 U	89	%	37-117	
Nitrobenzene, TCLP	mg/L	0.08034		0.08000	0.00158 U	100	%	44-120	
Hexachlorobutadiene, TCLP	mg/L	0.07141		0.08000	0.00168 U	89	%	28-110	
2,4,6-Trichlorophenol, TCLP	mg/L	0.07955		0.08000	0.00158 U	99	%	50-121	
2,4,5-Trichlorophenol, TCLP	mg/L	0.08008 J		0.08000	0.00156 U	100	%	50-126	
2,4-Dinitrotoluene, TCLP	mg/L	0.08165		0.08000	0.00160 U	102	%	55-130	
Hexachlorobenzene, TCLP	mg/L	0.07500		0.08000	0.00214 U	94	%	54-129	
Pentachlorophenol, TCLP	mg/L	0.07945 J		0.08000	0.01008 U	99	%	35-154	

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

QUALITY CONTROL RESULTS

Job Number.: 210611 Report Date.: 09/12/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

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

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 53957

LCS	Laboratory Control Sample	M05HLCS001	53875 -002		08/29/2005	1626

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	ug/L	1040.18		1000.00		104	%	80-120	
Barium	ug/L	304.67		300.00		102	%	80-120	
Cadmium	ug/L	303.98		300.00		101	%	80-120	
Chromium	ug/L	307.45		300.00		102	%	80-120	
Lead	ug/L	1011.01		1000.00		101	%	80-120	
Selenium	ug/L	553.06		500.00		111	%	80-120	
Silver	ug/L	288.77		300.00		96	%	80-120	

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

QUALITY CONTROL RESULTS

Job Number.: 210611 Report Date.: 09/12/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		53875 -001		08/29/2005	1620

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 53957

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	-3.2	B							
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.: 210611

Report Date.: 09/12/2005

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

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		210605-1		08/29/2005	1846

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICAP1
Batch.....: 53957

Analyst...: nnp

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	1.8143		3.9000	
Barium	ug/L	22.12				21.48		3.0		20.0	
Cadmium	ug/L	1.10	U			1.10	U	0.0100		1.1000	
Chromium	ug/L	1.30	U			1.30	U	1.0410		1.3000	
Lead	ug/L	3.00	U			3.00	U	0.2784		3.0000	
Selenium	ug/L	5.00	U			5.00	U	3.6342		5.0000	
Silver	ug/L	1.10	U			1.10	U	0.3759		1.1000	

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

QUALITY CONTROL RESULTS

Job Number.: 210611

Report Date.: 09/12/2005

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

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	M05HWRK020	210605-1		08/29/2005	1852

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICAP1
Batch.....: 53957

Analyst...: nnp

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic	ug/L	88.81		80.00	3.90	U	111		75-125	
Barium	ug/L	1935.11		2000.00	21.48		96		75-125	
Cadmium	ug/L	107.51		100.00	1.10	U	108		75-125	
Chromium	ug/L	193.40		200.00	1.30	U	97		75-125	
Lead	ug/L	41.01		40.00	3.00	U	103		75-125	
Selenium	ug/L	122.32		100.00	5.00	U	122		75-125	
Silver	ug/L	42.68		50.00	1.10	U	85		75-125	

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

QUALITY CONTROL RESULTS

Job Number.: 210611 Report Date.: 09/12/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
SD	Serial Dilution		210611-1		08/29/2005	1450

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 53957

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic, TCLP	mg/L	0.01950 U			0.02409 B				
Barium, TCLP	mg/L	0.09514			0.46280	2.8		10.0	
Cadmium, TCLP	mg/L	0.00550 U			0.00550 U				
Chromium, TCLP	mg/L	0.00650 U			0.00650 U				
Lead, TCLP	mg/L	0.01500 U			0.01732 B				
Selenium, TCLP	mg/L	0.02500 U			0.03086 B				
Silver, TCLP	mg/L	0.00550 U			0.00550 U				

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

QUALITY CONTROL RESULTS

Job Number.: 210611 Report Date.: 09/12/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

Test Method.....: 7470A Batch.....: 53978 Analyst...: nnp
Method Description.: Leachable, Mercury (CVAA) Equipment Code....: MERC1 Test Code.: HG
Parameter.....: Mercury

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc. F	*	Limits	Date	Time
ICV	53978-001	M05HWRK001	ug/L	547.07			500.00			109		80-120	08/30/2005	1429
ICB	53978-002		ug/L	0.2	U								08/30/2005	1430
MB	53907 -001		ug/L	0.2	U								08/30/2005	1431
LCS	53907 -002	M04JSTK001	ug/L	9527.21			10000.00			95	%	80-120	08/30/2005	1432
MD	210579-1		ug/L	0.18	U			0.18	U	0.1440		0.1800	08/30/2005	1435
MS	210579-1	M04AWRK010	ug/L	1.93			2.00	0.18	U	97		75-125	08/30/2005	1436
CCV	53978-013	M05HWRK001	ug/L	477.84			500.00			96	%	80-120	08/30/2005	1441
CCB	53978-014		ug/L	0.2	U								08/30/2005	1443
CCV	53978-025	M05HWRK001	ug/L	488.50			500.00			98	%	80-120	08/30/2005	1453
CCB	53978-026		ug/L	0.2	U								08/30/2005	1454
CCV	53978-036	M05HWRK001	ug/L	540.92			500.00			108	%	80-120	08/30/2005	1504
CCB	53978-037		ug/L	0.2	U								08/30/2005	1506
CCV	53978-045	M05HWRK001	ug/L	542.03			500.00			108	%	80-120	08/30/2005	1518
CCB	53978-046		ug/L	0.2	U								08/30/2005	1519
CCV	53978-055	M05HWRK001	ug/L	484.58			500.00			97	%	80-120	08/30/2005	1530
CCB	53978-056		ug/L	0.2	U								08/30/2005	1531
CCV	53978-065	M05HWRK001	ug/L	483.66			500.00			97	%	80-120	08/30/2005	1542
CCB	53978-066		ug/L	0.2	U								08/30/2005	1543
CCV	53978-073	M05HWRK001	ug/L	481.57			500.00			96	%	80-120	08/30/2005	1552
CCB	53978-074		ug/L	0.2	U								08/30/2005	1554

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

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%.

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

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 September 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	06/30/06	CT023
New Hampshire	Department of Environmental Services	Drinking Water, Wastewater	08/29/06	2528
New Jersey	Department of Environmental Protection	Drinking Water, Wastewater	06/30/06	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	12/30/06	A43
Utah	Department of Health	RCRA	05/31/06	2032614458

SEVERN TRENT STL

MISCELLANEOUS DOCUMENTS

Chain of Custody Record

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

1495

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

7.4°C bagged ice

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
ERM	QA/QC contact : Andy Coenen	8/24/05	02858
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**	
Pittsford / NY / 14534	Jeremy Wolf	Bill Goodman	
Project Name and Location (State)	**Carrier/Waybill Number**		
Former Raeco Products Site Roch, NY	Fed Ex# 8524 5562 1858		
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	Analysis: TCLP VOC	TCLP SVOC	TCLP Metals	Special Instructions/ Conditions of Receipt
WC-03 01	8/24/05	1015				X	X						X	X	X	RCRA waste characterization
~~TRIP Blank~~	~~8/24/05~~															~~ERM prepared blank~~

0000024

210611
09/11/2005
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	8/24/05	1700	1. Received By: Cen A Pfost	8/25/05	920
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 210 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.: 210611 Location.: 57207 Check List Number.: 1 Description.:
Customer Job ID.....: Job Check List Date.: Date of the Report..: 08/26/2005
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).	N	7.4C BAGGED ICE IN CLR
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 8524 5562 1858
Sample Custodian Signature/Date		KBlockum 08/26/05

0000025

STL - Connecticut
Internal Chain-of-Custody

210611

09/11/2005

ERM
ANDY COENEN
RAECO PRODUCTS

Trip Blank: —

QC: — Air: —

FB: —

Soil: #01 Water: —

Date Received: 08/25/05

Sample #s: 01

Locations: R37, R12Q

Laboratory Sample #	Relinquished by	Accepted by	Date	Time	Reason	Relinquished by	Accepted by	Date	Time
1	SBN	DKG	8/26	1520	Rgn	DKG	SBN	8/26	1575
1	SBN	MM	8/29	16:00	TCLP	MM	SBN	8/29	17:00

STL Form# SMF00507.CT

STL GC-GC/MS Extract Chain of Custody

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

JOB NO: 21061

SAMPLE IN (Extractions)					SAMPLE IN (Extractions)				
Sample(s)	Date	Time	Sign.	Location	Sample(s)	Date	Time	Sign.	Location
01	09/a	1400	m	36					

SAMPLE OUT					SAMPLE IN			
Sample(s)	Date	Time	Code	Sign.	Date	Time	Location	Sign.
01	09/02	1130	AN	EM	09/02	1500	36	EM

Codes: SC = Screening AN = Analysis

Verified By: _____ Date: 9/8/05

Lab Form: SMF01201.CT

SEVERN TRENT STL

CHAIN OF CUSTODY
ATOMIC SPECTROSCOPY DEPARTMENT

Job Number: 21061L Sample Numbers: 1C

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:

Chemist	Date(s)	
SR	8/29/05	ICP
[illegible]	8/29/05	Mercury

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

Analysis:

Chemist	Date(s)	
[signature]	9/12/05	ICP
[signature]	9/12/05	Mercury

I have reviewed and authorized the release of the job:

Complete: [signature] Supervisor — 9/10/05 Date

QAF02600.CT

Severn Trent Laboratories, Inc.
STL Connecticut • 128 Long Hill Cross Road, Shelton, CT 06484
Tel 203 929 8140 Fax 203 929 8142 • www.stlinc.com

SEVERN TRENT STL

SDG NARRATIVE

Sample Calculation:

Sample ID – 54122-2LCS
Compound - Pyridine

$$\frac{(83146\text{Area})(20\text{ng})(1000\text{ul})}{(270139\text{Area})(0.381\text{Area/ng})(1\text{ul})(500\text{ml})} = 0.032\ \text{mg/L}$$

Metals – ICAP metals were determined using a TJA61E 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.

Due to sample matrix, Selenium cannot be determined to the MDL. However, the reporting limit is valid. No other problems occurred during analysis. All appropriate protocols were employed. All data appears to be consistent.

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

Sept 14 2005
Date

SEVERN TRENT STL

STL Report : 210611
ERM

Case Narrative

Sample Receipt – The samples were received at 7.4°C. The client was notified, and the laboratory was instructed to proceed with the analyses.

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

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.

All samples were analyzed without any apparent problems.

Sample Calculation:

Sample ID-WC-03
Compound- Trichloroethene

$$\frac{(76142 \text{ area})(125\text{ng})(1)}{(262252 \text{ area})(.427 \text{ area/ng})(5\text{ml})} = 16.99 = 17.0 \text{ ug/L} = .017 \text{ mg/L.}$$

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.

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.

SURROGATE RECOVERIES REPORT

Job Number.: 210611 Report Date.: 09/09/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

Method.....: Volatile Organics (5mL Purge) Method Code...: 8260.5 Prep Batch....: 53370
Batch(s).....: 54376 Test Matrix...: TCLP Equipment Code: MSL

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
EB1-53370-3			08/17/2005	78	94	84	88
LCS-53370-2			08/17/2005	86	95	86	91
MB-53370-1			08/17/2005	83	100	86	92

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....: 54020
Batch(s).....: 54376 Test Matrix...: TCLP Equipment Code: MSL

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS-54020-2			08/30/2005	89	91	92	91
MB-54020-1			08/30/2005	88	101	91	95
210611- 1		WC-03	08/30/2005	97	107	98	101
210611- 1	MS	WC-03	08/30/2005	90	97	94	87

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.: 210611

Report Date.: 09/09/2005

CUSTOMER: ERM | PROJECT: RAECO PRODUCTS | ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V05GWRK012	210611-1		08/30/2005	1547

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

Equipment Code....: MSL
Batch.....: 54376

Analyst...: pam

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride, TCLP	mg/L	0.038727		0.050000	0.000800 U	77		51-139	
1,1-Dichloroethene, TCLP	mg/L	0.036974		0.050000	0.000700 U	74		57-137	
2-Butanone (MEK), TCLP	mg/L	0.040284		0.050000	0.001200 U	81		30-222	
Chloroform, TCLP	mg/L	0.039708		0.050000	0.000700 U	79		70-124	
Carbon tetrachloride, TCLP	mg/L	0.041645		0.050000	0.001000 U	83		56-131	
Benzene, TCLP	mg/L	0.038676		0.050000	0.000400 U	77		68-126	
1,2-Dichloroethane, TCLP	mg/L	0.040870		0.050000	0.000600 U	82		68-124	
Trichloroethene, TCLP	mg/L	0.054993		0.050000	0.016999	76		58-125	
Tetrachloroethene, TCLP	mg/L	0.035176		0.050000	0.000500 U	70		62-118	
Chlorobenzene, TCLP	mg/L	0.037600		0.050000	0.000400 U	75		71-114	

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

QUALITY CONTROL RESULTS

Job Number.: 210611

Report Date.: 09/09/2005

CUSTOMER: ERM | PROJECT: RASCO PRODUCTS | ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05GWRK012	53370 -002		08/17/2005	0953

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

Equipment Code....: MSL
Batch.....: 54376

Analyst...: pam

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride, TCLP	mg/L	0.017444		0.020000		87	%	51-139	
1,1-Dichloroethene, TCLP	mg/L	0.018786		0.020000		94	%	57-137	
2-Butanone (MEK), TCLP	mg/L	0.024972		0.020000		125	%	30-222	
Chloroform, TCLP	mg/L	0.018453		0.020000		92	%	70-124	
Carbon tetrachloride, TCLP	mg/L	0.017325		0.020000		87	%	56-131	
Benzene, TCLP	mg/L	0.018699		0.020000		93	%	68-126	
1,2-Dichloroethane, TCLP	mg/L	0.018929		0.020000		95	%	68-124	
Trichloroethene, TCLP	mg/L	0.018081		0.020000		90	%	58-125	
Tetrachloroethene, TCLP	mg/L	0.017523		0.020000		88	%	62-118	
Chlorobenzene, TCLP	mg/L	0.019697		0.020000		98	%	71-114	

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

QUALITY CONTROL RESULTS

Job Number.: 210611

Report Date.: 09/09/2005

CUSTOMER: ERM | PROJECT: RAECO PRODUCTS | ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05GWRK012	54020 -002		08/30/2005	0932

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

Equipment Code....: MSL
Batch.....: 54376

Analyst...: pam

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride, TCLP	mg/L	0.015044		0.020000		75	%	51-139	
1,1-Dichloroethene, TCLP	mg/L	0.016781		0.020000		84	%	57-137	
2-Butanone (MEK), TCLP	mg/L	0.020328		0.020000		102	%	30-222	
Chloroform, TCLP	mg/L	0.018183		0.020000		91	%	70-124	
Carbon tetrachloride, TCLP	mg/L	0.018974		0.020000		95	%	56-131	
Benzene, TCLP	mg/L	0.017670		0.020000		88	%	68-126	
1,2-Dichloroethane, TCLP	mg/L	0.019100		0.020000		95	%	68-124	
Trichloroethene, TCLP	mg/L	0.018005		0.020000		90	%	58-125	
Tetrachloroethene, TCLP	mg/L	0.016976		0.020000		85	%	62-118	
Chlorobenzene, TCLP	mg/L	0.018049		0.020000		90	%	71-114	

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

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

53370-1MB

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210611 SAS No.: SDG No.: 210611

Lab File ID: L3048 Lab Sample ID: 53370-1MB

Date Analyzed: 08/17/05 Time Analyzed: 1120

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	53370-2LCS	53370-2LCS	L3045	0953
02	53370-3EB1	53370-3EB1	L3064	1833
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
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COMMENTS:

FORM IV VOA

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

54020-1MB

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210611 SAS No.: SDG No.: 210611

Lab File ID: L3308 Lab Sample ID: 54020-1MB

Date Analyzed: 08/30/05 Time Analyzed: 1057

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	54020-2LCS	54020-2LCS	L3305	0932
02	WC-03	210611-1	L3316	1431
03	WC-03MS	210611-1MS	L3319	1547
04				
05				
06				
07				
08				
09				
10				
11				
12				
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26				
27				
28				
29				
30				

COMMENTS:

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210611 SAS No.: SDG No.: 210611

Lab File ID: LB634 BFB Injection Date: 08/05/05

Instrument ID: MSL BFB Injection Time: 1000

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	20.9
75	30.0 - 60.0% of mass 95	44.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	76.5
175	5.0 - 9.0% of mass 174	6.5 (8.5)1
176	95.0 - 101.0% of mass 174	74.3 (97.1)1
177	5.0 - 9.0% of mass 176	5.2 (7.0)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	VSTD005LK	VSTD005LK	L2711	08/05/05	1154
02	VSTD020LL	VSTD020LL	L2712	08/05/05	1218
03	VSTD050LM	VSTD050LM	L2713	08/05/05	1242
04	VSTD100LN	VSTD100LN	L2714	08/05/05	1306
05	VSTD200LO	VSTD200LO	L2715	08/05/05	1331
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210611 SAS No.: SDG No.: 210611

Lab File ID: LB644 BFB Injection Date: 08/17/05

Instrument ID: MSL BFB Injection Time: 0850

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	21.8
75	30.0 - 60.0% of mass 95	47.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	76.6
175	5.0 - 9.0% of mass 174	5.9 (7.7)1
176	95.0 - 101.0% of mass 174	72.8 (95.1)1
177	5.0 - 9.0% of mass 176	5.1 (7.0)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	VSTD050LA	VSTD050LA	L3043	08/17/05	0904
02	53370-2LCS	53370-2LCS	L3045	08/17/05	0953
03	53370-1MB	53370-1MB	L3048	08/17/05	1120
04	53370-3EB1	53370-3EB1	L3064	08/17/05	1833
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210611 SAS No.: SDG No.: 210611

Lab File ID: LB657 BFB Injection Date: 08/30/05

Instrument ID: MSL BFB Injection Time: 0832

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	22.0
75	30.0 - 60.0% of mass 95	47.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.5 (0.6)1
174	50.0 - 100.0% of mass 95	75.0
175	5.0 - 9.0% of mass 174	6.4 (8.5)1
176	95.0 - 101.0% of mass 174	73.0 (97.3)1
177	5.0 - 9.0% of mass 176	5.2 (7.2)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	VSTD050LQ	VSTD050LQ	L3304	08/30/05	0849
02	54020-2LCS	54020-2LCS	L3305	08/30/05	0932
03	54020-1MB	54020-1MB	L3308	08/30/05	1057
04	WC-03	210611-1	L3316	08/30/05	1431
05	WC-03MS	210611-1MS	L3319	08/30/05	1547
06					
07					
08					
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8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210611 SAS No.: SDG No.: 210611

Lab File ID (Standard): L3043 Date Analyzed: 08/17/05

Instrument ID: MSL Time Analyzed: 0904

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	239508	8.13	320911	5.12	110412	10.18
	UPPER LIMIT	479016	8.63	641822	5.62	220824	10.68
	LOWER LIMIT	119754	7.63	160456	4.62	55206	9.68
	EPA SAMPLE NO.						
01	53370-2LCS	246315	8.14	331344	5.13	94811	10.18
02	53370-1MB	239884	8.13	327232	5.12	89798	10.18
03	53370-3EB1	245126	8.13	334109	5.12	91018	10.18
04							
05							
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20							
21							
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.

FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210611 SAS No.: SDG No.: 210611

Lab File ID (Standard): L3304 Date Analyzed: 08/30/05

Instrument ID: MSL Time Analyzed: 0849

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	261978	8.14	310268	5.13	119477	10.18
	UPPER LIMIT	523956	8.64	620536	5.63	238954	10.68
	LOWER LIMIT	130989	7.64	155134	4.63	59739	9.68
	EPA SAMPLE NO.						
01	54020-2LCS	232023	8.13	291590	5.12	95924	10.18
02	54020-1MB	220428	8.13	273074	5.12	86869	10.17
03	WC-03	207418	8.13	262252	5.12	82551	10.17
04	WC-03MS	243387	8.14	287916	5.13	94558	10.18
05							
06							
07							
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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						

LABORATORY TEST RESULTS

Job Number: 210611

Date:09/09/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: WC-03
Date Sampled.....: 08/24/2005
Time Sampled.....: 10:15
Sample Matrix.....: Soil

Laboratory Sample ID: 210611-1
Date Received.....: 08/25/2005
Time Received.....: 09:20

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	54376		08/30/05 1431	pam
	1,1-Dichloroethene, TCLP	ND	U		0.00070	0.0050	1.00000	mg/L	54376		08/30/05 1431	pam
	2-Butanone (MEK), TCLP	ND	U		0.0012	0.010	1.00000	mg/L	54376		08/30/05 1431	pam
	Chloroform, TCLP	ND	U		0.00070	0.0050	1.00000	mg/L	54376		08/30/05 1431	pam
	Carbon tetrachloride, TCLP	ND	U		0.0010	0.0050	1.00000	mg/L	54376		08/30/05 1431	pam
	Benzene, TCLP	ND	U		0.00040	0.0050	1.00000	mg/L	54376		08/30/05 1431	pam
	1,2-Dichloroethane, TCLP	ND	U		0.00060	0.0050	1.00000	mg/L	54376		08/30/05 1431	pam
	Trichloroethene, TCLP	0.017			0.00070	0.0050	1.00000	mg/L	54376		08/30/05 1431	pam
	Tetrachloroethene, TCLP	ND	U		0.00050	0.0050	1.00000	mg/L	54376		08/30/05 1431	pam
	Chlorobenzene, TCLP	ND	U		0.00040	0.0050	1.00000	mg/L	54376		08/30/05 1431	pam

* In Description = Dry Wgt.

STL-INC

Volatile Report SW-846 Method 8260B

Data file : \\target1_ct\Files\chem\VOA\msl.i\L053304.b\L3316.D
Lab Smp Id: 210611-1 Client Smp ID: WC-03
Inj Date : 30-AUG-2005 14:31 MS Autotune Date: 26-APR-2004 14:21
Operator : D. HUMBERT Inst ID: msl.i
Smp Info : 210611-1
Misc Info : :C ;;; TCLP ; 8260B ; 1 ; LLW
Comment :
Method : \\target1_ct\Files\chem\VOA\msl.i\L053304.b\L8260BFW.m
Meth Date : 07-Sep-2005 19:47 pattym Quant Type: ISTD
Cal Date : 05-AUG-2005 13:31 Cal File: L2715.D
Als bottle: 62
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10

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

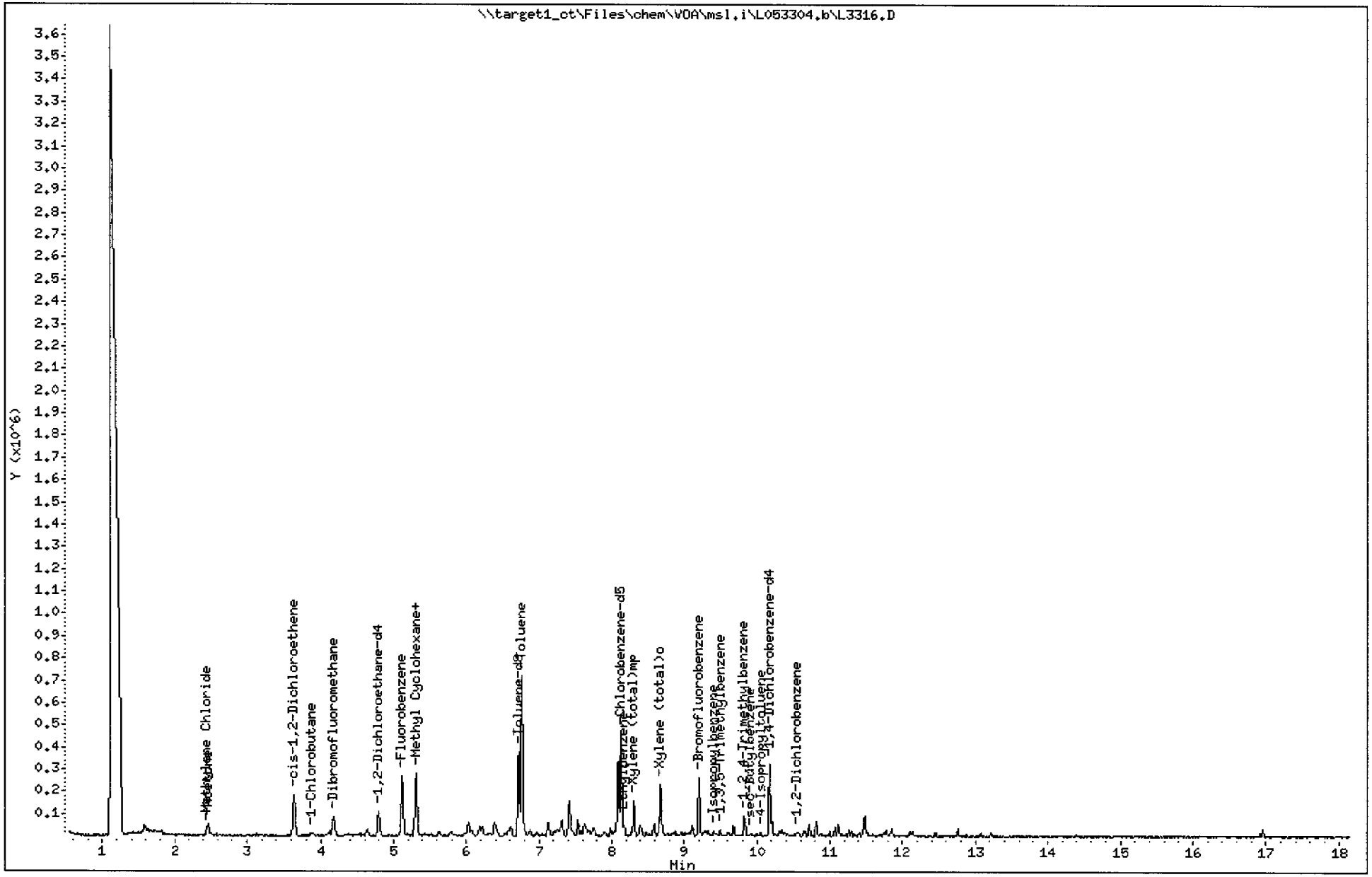
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	1 Fluorobenzene	96	5.116	5.126	(1.000)	262252	25.0000	
	17 Methylene Chloride	84	2.451	2.450	(0.479)	9575	1.55586	2
	18 Acetone	43	2.470	2.470	(0.483)	67912	25.4139	25
	31 cis-1,2-Dichloroethene	96	3.641	3.641	(0.712)	98400	18.9036	19
$	38 Dibromofluoromethane	111	4.172	4.181	(0.815)	75913	24.4109	24
	47 1-Chlorobutane	56	3.896	3.896	(0.762)	3201	0.90465	0.9
$	52 1,2-Dichloroethane-d4	65	4.791	4.801	(0.937)	96681	24.1741	24
	57 Methyl Cyclohexane	83	5.313	5.313	(1.038)	30527	10.9182	11
	58 Trichloroethene	130	5.313	5.322	(1.038)	76142	16.9990	17
*	70 Chlorobenzene-d5	117	8.126	8.135	(1.000)	207418	25.0000	
	71 Toluene	91	6.759	6.768	(0.832)	466918	27.4923	27
$	72 Toluene-d8	98	6.719	6.719	(0.827)	237637	25.2925	25
	85 Ethylbenzene	106	8.175	8.175	(1.006)	8549	1.65162	2
	86 Xylene (total)mp	106	8.303	8.312	(1.022)	37342	5.70491	6
	87 Xylene (total)o	106	8.686	8.686	(1.069)	48669	7.51200	8
*	90 1,4-Dichlorobenzene-d4	152	10.171	10.181	(1.000)	82551	25.0000	
	91 Isopropylbenzene	105	9.414	8.962	(0.926)	12437	0.93111	0.9
	99 1,3,5-Trimethylbenzene	105	9.493	9.493	(0.933)	7573	0.74352	0.7
	101 1,2,4-Trimethylbenzene	105	9.827	9.837	(0.966)	42392	4.01698	4
	102 sec-Butylbenzene	105	9.926	9.925	(0.976)	6891	0.62363	0.6
	103 4-Isopropyltoluene	119	10.053	10.053	(0.988)	8982	0.95721	1.0
	106 1,2-Dichlorobenzene	146	10.555	10.555	(1.038)	6664	1.03154	1
$	117 Bromofluorobenzene	95	9.198	9.207	(0.904)	87932	26.7260	27

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
M 118 1,2-Dichloroethene (total)	100				98400	18.9036	19
M 119 Xylene (total)	100				86011	13.2169	13

Data File: \\target1_ct\Files\chem\VOA\msl.i\L053304.b\L3316.D
Date : 30-AUG-2005 14:31
Client ID: WC-03
Sample Info: 210611-1
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\L053304.b\L3316.D

Date : 30-AUG-2005 14:31

Client ID: WC-03

Instrument: msl.i

Sample Info: 210611-1

Purge Volume: 5.0

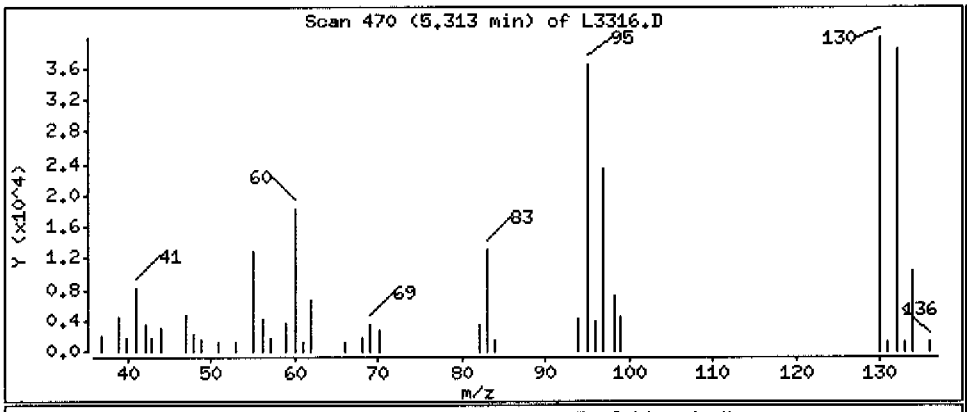
Operator: D. HUMBERT

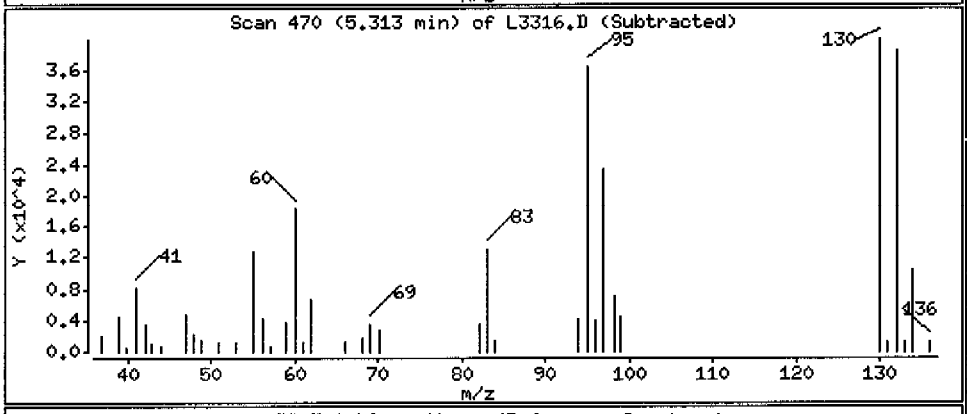
Column phase: RTX-624

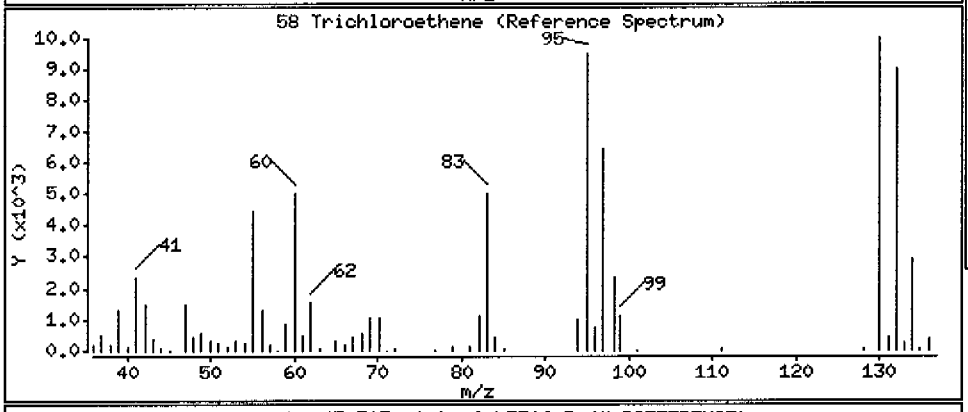
Column diameter: 0.53

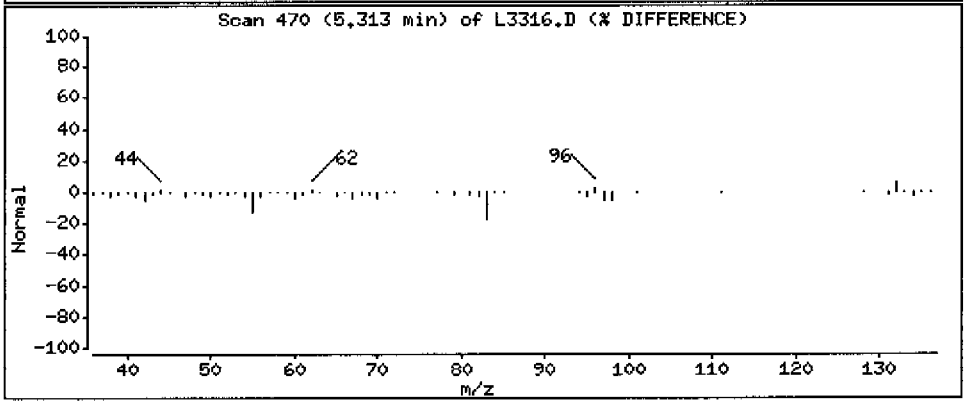
58 Trichloroethene

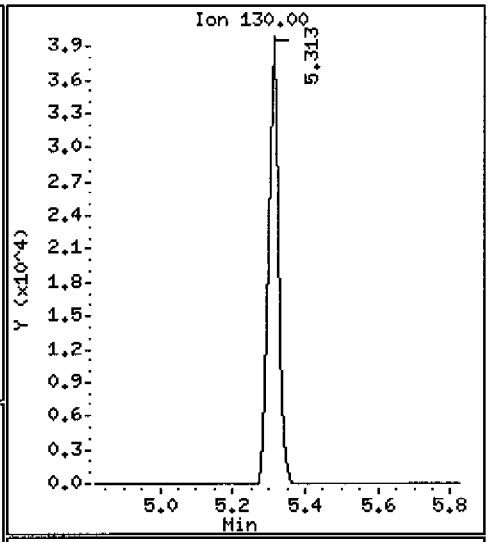
Concentration: 17 ug/L

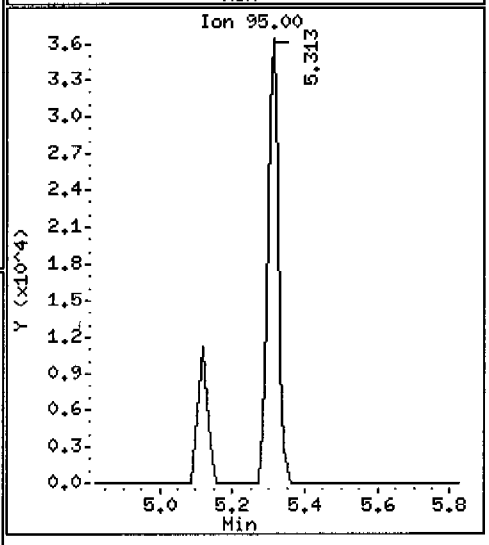












6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210611 SAS No.: SDG No.: 210611

Instrument ID: MSL Calibration Date(s): 08/05/05 08/05/05

Heated Purge: (Y/N) N Calibration Time(s): 1154 1331

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

LAB FILE ID: RRF5 =L2711 RRF20 =L2712
RRF50 =L2713 RRF100=L2714 RRF200=L2715

COMPOUND		RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane		0.364	0.406	0.370	0.401	0.370	0.382	5.1
Chloromethane	*	0.549	0.551	0.506	0.544	0.494	0.529	5.1*
Vinyl Chloride		0.445	0.487	0.453	0.500	0.450	0.467	5.3
Bromomethane		0.363	0.330	0.278	0.299	0.255	0.305	13.9
Chloroethane		0.317	0.327	0.277	0.301	0.258	0.296	9.6
Trichlorofluoromethane		0.577	0.588	0.538	0.602	0.542	0.569	4.9
Ethyl Ether		0.243	0.267	0.235	0.255	0.222	0.244	7.1
Freon 141		0.555	0.563	0.534	0.583	0.525	0.552	4.2
Freon 123a		0.113	0.133	0.113	0.134	0.111	0.121	9.7
Trichlorotrifluoroethane		0.328	0.324	0.281	0.311	0.283	0.305	7.3
Acrolein	*	0.025	0.032	0.031	0.038	0.035	0.032	14.7*
1,1-Dichloroethene		0.387	0.379	0.347	0.382	0.337	0.366	6.2
Acetone		0.488	0.215	0.191	0.202	0.178	0.255	51.5
Iodomethane		0.314	0.331	0.364	0.400	0.348	0.351	9.4
Carbon Disulfide		0.352	0.392	0.340	0.378	0.341	0.361	6.5
3-Chloro-1-Propene		0.483	0.541	0.493	0.527	0.479	0.505	5.5
tert-Butyl alcohol	*	0.077	0.076	0.066	0.081	0.066	0.073	9.4*
Methylene Chloride		0.882	0.573	0.497	0.520	0.461	0.587	29.0
Methyl tert-Butyl Ether		1.287	1.334	1.244	1.373	1.199	1.287	5.4
Ethyl Acetate		0.047	0.046	0.037	0.039	0.034	0.041	14.3
trans-1,2-Dichloroethene		0.502	0.491	0.429	0.461	0.416	0.460	8.2
Acrylonitrile		0.334	0.339	0.359	0.368	0.326	0.345	5.1
Isopropyl ether	*	1.693	1.792	1.620	1.786	1.598	1.698	5.3*
1,1-Dichloroethane	*	0.881	0.905	0.822	0.894	0.817	0.864	4.8*
tert-Butyl ethyl ether	*	1.558	1.612	1.476	1.614	1.449	1.542	5.0*
2,2-Dichloropropane		0.664	0.702	0.630	0.662	0.585	0.649	6.8
cis-1,2-Dichloroethene		0.532	0.512	0.465	0.519	0.453	0.496	7.0
2-Butanone		0.367	0.321	0.257	0.294	0.250	0.298	16.2
Methyl Acrylate		0.443	0.508	0.460	0.510	0.440	0.472	7.4
Propionitrile		0.092	0.082	0.074	0.083	0.070	0.080	10.4
Bromochloromethane		0.275	0.279	0.253	0.276	0.247	0.266	5.5
2-Methyl-2-Propenenitrile		0.464	0.378	0.346	0.396	0.338	0.384	13.1
Tetrahydrofuran		0.168	0.174	0.134	0.151	0.134	0.152	12.2
Chloroform		0.807	0.844	0.770	0.866	0.783	0.814	5.0
tert-Butyl formate	*	0.165	0.139	0.133	0.137	0.116	0.138	12.9*
1,1,1-Trichloroethane		0.636	0.584	0.547	0.585	0.534	0.577	6.9
1-Chlorobutane		0.337	0.374	0.317	0.348	0.310	0.337	7.5

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

FORM VI VOA

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210611 SAS No.: SDG No.: 210611

Instrument ID: MSL Calibration Date(s): 08/05/05 08/05/05

Heated Purge: (Y/N) N Calibration Time(s): 1154 1331

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

LAB FILE ID: RRF5 =L2711 RRF20 =L2712
RRF50 =L2713 RRF100=L2714 RRF200=L2715

	COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
	Carbon Tetrachloride	0.446	0.463	0.490	0.454	0.483	0.467	4.0	
*	Chloroacetonitrile	0.023	0.022	0.020	0.023	0.020	0.022	8.0*	
	1,1-Dichloropropene	0.625	0.629	0.586	0.637	0.588	0.613	3.9	
	Benzene	1.742	1.763	1.578	1.761	1.593	1.687	5.5	
*	tert-Amyl methyl ether	1.498	1.471	1.387	1.516	1.371	1.449	4.5*	
	1,2-Dichloroethane	0.637	0.680	0.634	0.702	0.634	0.657	4.8	
	2-Chloro-1,3-Butadiene	0.324	0.349	0.319	0.348	0.317	0.331	4.7	
	Vinyl Acetate	1.402	1.396	1.315	1.428	1.274	1.363	4.8	
*	2,4,4-Trimethyl 1-Pentene								*<-
	Trichloroethene	0.408	0.445	0.413	0.448	0.420	0.427	4.3	
*	2,4,4-Trimethyl 2-Pentene								*<-
	1,2-Dichloropropane	0.535	0.509	0.462	0.501	0.450	0.491	7.1	
	Methyl Methacrylate	0.362	0.371	0.337	0.373	0.331	0.355	5.5	
*	1,4-Dioxane	0.006	0.003	0.004	0.004	0.003	0.004	25.3*	<-
	Dibromomethane	0.330	0.327	0.314	0.343	0.310	0.325	4.1	
	Bromodichloromethane	0.597	0.609	0.580	0.635	0.572	0.599	4.2	
	2-Nitropropane	0.189	0.191	0.166	0.192	0.161	0.180	8.4	
*	2-Chloroethylvinylether	0.231	0.233	0.198	0.217	0.189	0.214	9.2*	
	cis-1,3-Dichloropropene	0.752	0.806	0.744	0.808	0.724	0.767	5.0	
	trans-1,3-Dichloropropene	0.731	0.733	0.697	0.776	0.707	0.729	4.2	
	1,1,2-Trichloroethane	0.487	0.423	0.380	0.425	0.376	0.418	10.7	
	4-Methyl-2-Pentanone	0.651	0.779	0.681	0.739	0.644	0.699	8.4	
	Toluene	2.019	2.113	2.029	2.127	1.948	2.047	3.6	
	Ethyl Methacrylate	0.784	0.821	0.805	0.838	0.763	0.802	3.7	
	Tetrachloroethene	0.336	0.358	0.331	0.356	0.327	0.342	4.2	
	1,3-Dichloropropane	0.916	0.961	0.894	0.978	0.877	0.925	4.7	
	2-Hexanone	0.496	0.593	0.500	0.534	0.463	0.517	9.5	
	Dibromochloromethane	0.557	0.602	0.564	0.617	0.565	0.581	4.6	
	1,2-Dibromoethane	0.570	0.594	0.574	0.629	0.573	0.588	4.2	
	1,1-Dichloro-2-propanone	0.415	0.422	0.396	0.444	0.386	0.413	5.5	
	1-Chlorohexane	0.589	0.528	0.478	0.560	0.505	0.532	8.3	
*	Chlorobenzene	1.265	1.364	1.264	1.366	1.263	1.304	4.2*	
	1,1,1,2-Tetrachloroethane	0.456	0.513	0.451	0.502	0.460	0.476	6.0	
	Ethylbenzene	0.596	0.667	0.602	0.658	0.596	0.624	5.7	
	Xylene (total)mp	0.777	0.818	0.771	0.822	0.756	0.789	3.7	
	Xylene (total)o	0.748	0.837	0.783	0.802	0.734	0.781	5.3	
	Styrene	1.338	1.436	1.343	1.447	1.335	1.380	4.1	

* 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.: 210611 SAS No.: SDG No.: 210611

Instrument ID: MSL Calibration Date(s): 08/05/05 08/05/05

Heated Purge: (Y/N) N Calibration Time(s): 1154 1331

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

LAB FILE ID: RRF5 =L2711 RRF20 =L2712
RRF50 =L2713 RRF100=L2714 RRF200=L2715

COMPOUND		RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
Bromoform	*	0.365	0.393	0.378	0.418	0.378	0.386	5.2	*
Isopropylbenzene		3.990	4.239	3.886	4.316	3.795	4.045	5.6	
1,1,2,2-Tetrachloroethane	*	1.588	1.730	1.628	1.817	1.556	1.664	6.5	*
Bromobenzene		1.239	1.292	1.235	1.352	1.178	1.259	5.2	
1,2,3-Trichloropropane		0.519	0.451	0.451	0.499	0.419	0.468	8.6	
trans-1,4-Dichloro-2-Butene		0.457	0.460	0.384	0.497	0.401	0.440	10.5	
n-Propylbenzene		4.998	4.870	4.573	4.917	4.384	4.748	5.5	
2-Chlorotoluene		3.140	3.205	3.012	3.280	2.891	3.106	5.0	
4-Chlorotoluene		3.550	3.315	3.104	3.392	3.044	3.281	6.3	
1,3,5-Trimethylbenzene		3.215	3.204	2.967	3.163	2.873	3.084	5.0	
tert-Butylbenzene		2.491	2.522	2.336	2.505	2.230	2.417	5.3	
1,2,4-Trimethylbenzene		3.208	3.343	3.104	3.343	2.982	3.196	4.9	
sec-Butylbenzene		3.457	3.488	3.214	3.462	3.111	3.346	5.1	
4-Isopropyltoluene		2.968	2.959	2.680	2.935	2.667	2.842	5.4	
1,3-Dichlorobenzene		1.954	2.002	1.898	2.065	1.834	1.951	4.6	
1,4-Dichlorobenzene		2.032	2.113	2.009	2.154	1.907	2.043	4.7	
1,2-Dichlorobenzene		1.900	2.022	1.920	2.082	1.858	1.956	4.7	
Benzyl Chloride		0.532	0.621	0.581	0.652	0.539	0.585	8.9	
Pentachloroethane	*								*<-
n-Butylbenzene		5.548	5.469	5.043	5.606	5.017	5.337	5.3	
Hexachloroethane	*								*<-
1,2-Dibromo-3-chloropropane		0.276	0.313	0.278	0.332	0.275	0.295	8.9	
Nitrobenzene		0.058	0.056	0.054	0.076	0.070	0.063	15.5	
1,2,4-Trichlorobenzene		0.942	0.907	0.843	0.946	0.859	0.899	5.3	
Hexachlorobutadiene		0.390	0.288	0.264	0.296	0.269	0.301	17.1	
Naphthalene		3.377	2.923	2.707	3.068	2.707	2.956	9.5	
1,2,3-Trichlorobenzene		0.766	0.765	0.749	0.850	0.767	0.779	5.2	
Xylene (total)		0.767	0.824	0.775	0.815	0.749	0.786	4.1	
1,2-Dichloroethene (total)		0.517	0.502	0.447	0.490	0.434	0.478	7.5	
Methyl Cyclohexane		0.303	0.296	0.245	0.248	0.240	0.266	11.3	
Cyclohexane		0.328	0.319	0.288	0.315	0.281	0.306	6.7	
Methyl Acetate		0.957	0.976	0.926	1.050	0.916	0.965	5.5	
Heptane	*								*<-
Acetonitrile	*	0.082	0.078	0.068	0.076	0.065	0.074	9.6	*
Isobutyl alcohol	*	0.013	0.014	0.013	0.014	0.011	0.013	9.7	*
n-Butyl Acetate									<-
Dichlorofluoromethane		0.912	0.867	0.817	0.876	0.777	0.850	6.2	

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

FORM VI VOA

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210611 SAS No.: SDG No.: 210611

Instrument ID: MSL Calibration Date(s): 08/05/05 08/05/05

Heated Purge: (Y/N) N Calibration Time(s): 1154 1331

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

LAB FILE ID: RRF5 =L2711 RRF20 =L2712
RRF50 =L2713 RRF100=L2714 RRF200=L2715

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
1-Bromopropane	0.606	0.687	0.610	0.651	0.585	0.628	6.5
Dibromofluoromethane	0.280	0.317	0.291	0.315	0.279	0.296	6.3
1,2-Dichloroethane-d4	0.429	0.394	0.367	0.376	0.340	0.381	8.6
Toluene-d8	1.092	1.156	1.181	1.168	1.065	1.132	4.5
Bromofluorobenzene	1.082	1.039	0.956	1.009	0.896	0.996	7.3

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

Data File: \\TARGET1_CT\FILES\chem\VOA\msl.i\L052710.b\L2711.D
Report Date: 07-Aug-2005 11:15

STL-CT

Volatile Report SW-846 Method 8260B
\\TARGET1_CT\FILES\chem\VOA\msl.i\L052710.b\L2711.D

Data file : \\TARGET1_CT\FILES\chem\VOA\msl.i\L052710.b\L2711.D
Lab Smp Id: VSTD005LK
Inj Date : 05-AUG-2005 11:54
Operator : D. HUMBERT
Smp Info : VSTD005LK
Misc Info : : ;;; VSTD005LK ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msl.i\L052710.b\L8260BFW.m
Meth Date : 05-Aug-2005 14:39 larryd
Cal Date : 05-AUG-2005 11:54
Als bottle: 100
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.10
Processing Host: CONMSLNT

Client Smp ID: VSTD005LK
MS Autotune Date: 26-APR-2004 14:21
Inst ID: msl.i
Quant Type: ISTD
Cal File: L2711.D
Calibration Sample, Level: 1
Compound Sublist: all.sub

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. 8/5/05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 1 Fluorobenzene	96	5.125	5.120	(1.000)	438123	25.0000	
2 Dichlorodifluoromethane	85	1.220	1.216	(0.238)	31942	5.00000	5
3 Chloromethane	50	1.329	1.334	(0.259)	48071	5.00000	5
4 Vinyl Chloride	62	1.378	1.383	(0.269)	38972	5.00000	5
5 Bromomethane	94	1.575	1.570	(0.307)	31773	5.00000	6
6 Chloroethane	64	1.653	1.648	(0.323)	27784	5.00000	5
7 Trichlorofluoromethane	101	1.742	1.737	(0.340)	50568	5.00000	5
8 Dichlorofluoromethane	67	1.752	1.747	(0.342)	79892	5.00000	5
9 Ethyl Ether	45	1.919	1.914	(0.374)	21320	5.00000	5
10 Freon 141	81	1.978	1.983	(0.386)	48621	5.00000	5
11 Freon 123a	67	2.056	2.052	(0.401)	9871	5.00000	5
12 Trichlorotrifluoroethane	101	2.076	2.071	(0.405)	28715	5.00000	5
13 1,1-Dichloroethene	96	2.056	2.052	(0.401)	33876	5.00000	5
14 Carbon Disulfide	76	2.106	2.101	(0.411)	30845	5.00000	5
15 Iodomethane	142	2.165	2.160	(0.422)	27530	5.00000	4
16 3-Chloro-1-Propene	41	2.371	2.366	(0.463)	42347	5.00000	5
17 Methylene Chloride	84	2.450	2.445	(0.478)	77337	5.00000	8
18 Acetone	43	2.479	2.465	(0.484)	42758	5.00000	10
19 trans-1,2-Dichloroethene	96	2.578	2.573	(0.503)	43975	5.00000	5
20 Methyl tert-Butyl Ether	73	2.666	2.642	(0.520)	112809	5.00000	5
21 Acrolein	56	2.273	2.268	(0.444)	11031	25.0000	19
22 tert-Butyl alcohol	59	2.696	2.691	(0.526)	33745	25.0000	26

	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	2.553	(0.501)	83891	5.00000	5	
	24 Acetonitrile	41	2.833	2.829	(0.553)	72341	50.0000	56	
	25 Isopropyl ether	45	2.971	2.957	(0.580)	148332	5.00000	5	
	26 tert-Butyl ethyl ether	59	3.325	3.311	(0.649)	136566	5.00000	5	
	27 Acrylonitrile	53	3.079	3.075	(0.601)	58536	10.0000	10	
	28 2-Chloro-1,3-Butadiene	88	3.079	3.075	(0.601)	28421	5.00000	5	
	29 1,1-Dichloroethane	63	3.099	3.094	(0.605)	77169	5.00000	5	
	30 Vinyl Acetate	43	3.315	3.311	(0.647)	122824	5.00000	5	
	31 cis-1,2-Dichloroethene	96	3.640	3.635	(0.710)	46644	5.00000	5	
	32 2,2-Dichloropropane	77	3.768	3.753	(0.735)	58153	5.00000	5	
	33 Bromochloromethane	128	3.866	3.861	(0.754)	24076	5.00000	5	
	34 1-Bromopropane	43	3.856	3.852	(0.752)	53139	5.00000	5	
	35 Chloroform	83	3.955	3.950	(0.772)	70732	5.00000	5	
	36 Ethyl Acetate	43	4.122	4.097	(0.804)	8280	10.0000	12	
	37 Methyl Acrylate	55	4.122	4.107	(0.804)	38785	5.00000	5 (M)	
$	38 Dibromofluoromethane	111	4.181	4.176	(0.816)	24538	5.00000	5	
	39 Tetrahydrofuran	42	4.201	4.156	(0.820)	29393	10.0000	11	
	40 1,1,1-Trichloroethane	97	4.230	4.215	(0.825)	55747	5.00000	6	
	41 Carbon Tetrachloride	117	4.151	4.147	(0.810)	39117	5.00000	5	
	42 2-Butanone	43	4.328	4.314	(0.845)	32173	5.00000	6 (M)	
	43 1,1-Dichloropropene	75	4.368	4.363	(0.852)	54747	5.00000	5	
	44 Cyclohexane	84	3.906	3.891	(0.762)	28789	5.00000	5	
	45 tert-Amyl methyl ether	73	4.820	4.786	(0.941)	131242	5.00000	5	
	46 tert-Butyl formate	57	4.506	4.481	(0.879)	14463	5.00000	6 (M)	
	47 1-Chlorobutane	56	3.906	3.891	(0.762)	29572	5.00000	5	
	48 Propionitrile	54	4.643	4.638	(0.906)	80197	50.0000	57	
	49 Isobutyl alcohol	42	4.919	4.894	(0.960)	11220	50.0000	53	
	50 Benzene	78	4.663	4.648	(0.910)	152682	5.00000	5	
	51 2-Methyl-2-Propenenitrile	41	4.683	4.668	(0.914)	40667	5.00000	6	
$	52 1,2-Dichloroethane-d4	65	4.801	4.796	(0.937)	37561	5.00000	6	
	53 1,2-Dichloroethane	62	4.879	4.874	(0.952)	55852	5.00000	5	
	57 Methyl Cyclohexane	83	5.302	5.297	(1.035)	26521	5.00000	6	
	58 Trichloroethene	130	5.312	5.307	(1.036)	35796	5.00000	5	
	59 Dibromomethane	93	5.745	5.740	(1.121)	28935	5.00000	5	
	60 1,2-Dichloropropane	63	5.843	5.828	(1.140)	46918	5.00000	5 (T)	
	61 Bromodichloromethane	83	5.912	5.907	(1.154)	52300	5.00000	5	
	62 Methyl Methacrylate	69	6.089	6.074	(1.188)	63401	10.0000	10	
	63 1,4-Dioxane	58	6.138	6.114	(1.198)	24535	250.000	360 (M)	
	64 2-Chloroethylvinylether	63	6.492	6.478	(1.267)	20232	5.00000	5	
	65 cis-1,3-Dichloropropene	75	6.541	6.537	(1.276)	65944	5.00000	5	
	66 2-Nitropropane	41	6.955	6.950	(1.357)	33201	10.0000	10	
	67 Chloroacetonitrile	48	6.876	6.871	(1.342)	40034	100.000	100	
	68 trans-1,3-Dichloropropene	75	7.151	7.146	(1.395)	64032	5.00000	5	
	69 1,1,2-Trichloroethane	97	7.299	7.294	(1.424)	42659	5.00000	6	
*	70 Chlorobenzene-d5	117	8.135	8.130	(1.000)	356326	25.0000		
	71 Toluene	91	6.768	6.763	(0.832)	143864	5.00000	5	
$	72 Toluene-d8	98	6.719	6.714	(0.826)	77854	5.00000	5	
	73 1,1-Dichloro-2-propanone	43	6.984	6.979	(0.859)	147969	25.0000	25	
	74 4-Methyl-2-Pentanone	43	7.122	7.107	(0.875)	46408	5.00000	5 (M)	
	75 Tetrachloroethene	164	7.141	7.137	(0.878)	23964	5.00000	5	
	76 Ethyl Methacrylate	69	7.318	7.314	(0.900)	55882	5.00000	5	
	77 Dibromochloromethane	129	7.466	7.461	(0.918)	39701	5.00000	5	
	78 1,3-Dichloropropane	76	7.545	7.540	(0.927)	65309	5.00000	5	
	79 1,2-Dibromoethane	107	7.673	7.658	(0.943)	40653	5.00000	5	

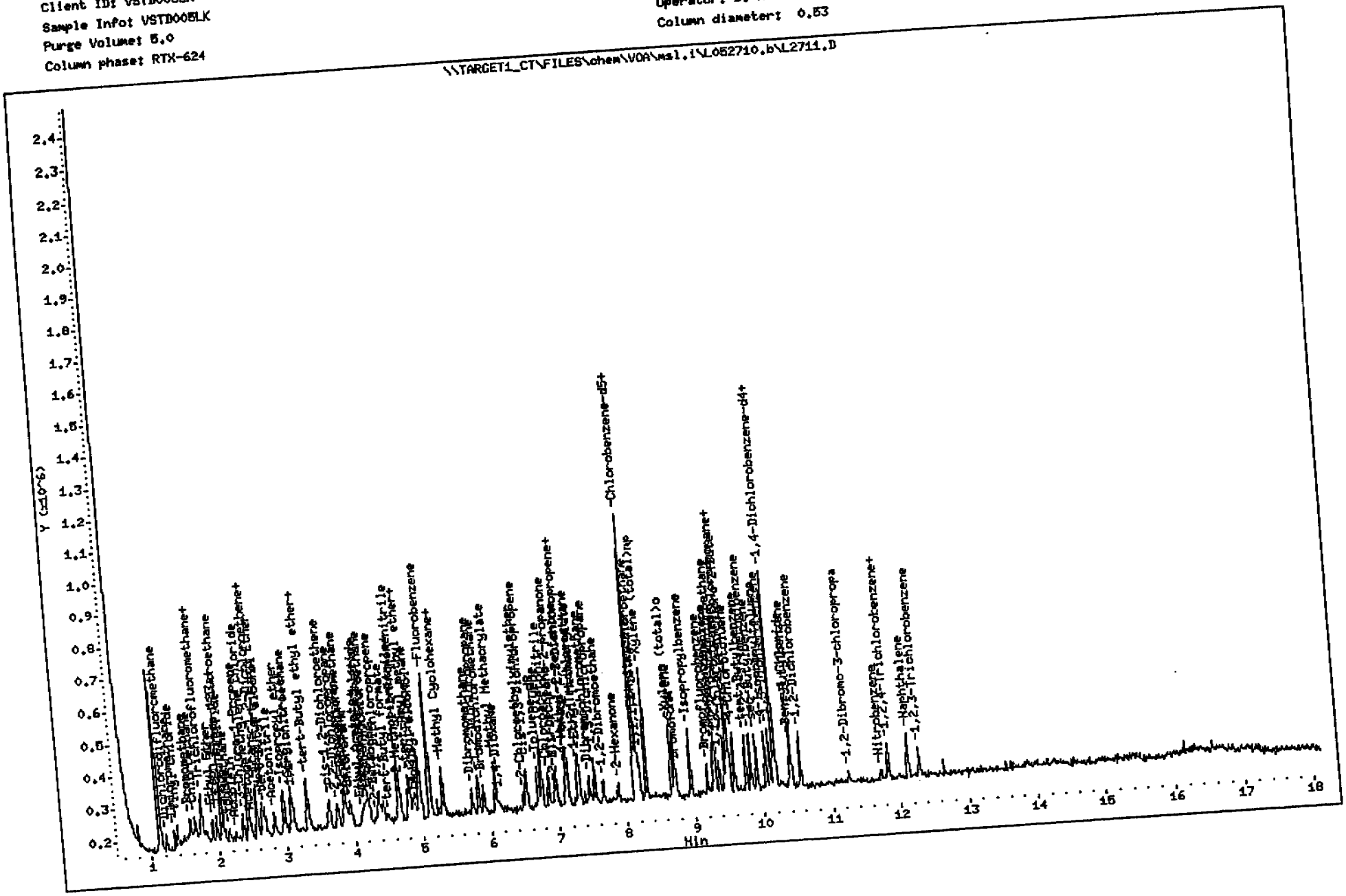
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	81 2-Hexanone	43	7.879	7.874	(0.969)	35361	5.00000	5 (M)
	82 1-Chlorohexane	91	8.135	8.130	(1.000)	41971	5.00000	6
	83 Chlorobenzene	112	8.145	8.140	(1.001)	90176	5.00000	5
	84 1,1,1,2-Tetrachloroethane	131	8.213	8.199	(1.010)	32524	5.00000	5 (M)
	85 Ethylbenzene	106	8.174	8.169	(1.005)	42457	5.00000	5
	86 Xylene (total)mp	106	8.312	8.307	(1.022)	110715	10.0000	10
	87 Xylene (total)o	106	8.686	8.681	(1.068)	53310	5.00000	5
	88 Styrene	104	8.735	8.730	(1.074)	95364	5.00000	5
	89 Bromoform	173	8.754	8.750	(1.076)	26041	5.00000	5
*	90 1,4-Dichlorobenzene-d4	152	10.181	10.176	(1.000)	148751	25.0000	
	91 Isopropylbenzene	105	8.961	8.956	(0.880)	118700	5.00000	5
	92 1,1,2,2-Tetrachloroethane	83	9.384	9.379	(0.922)	47246	5.00000	5
	93 Bromobenzene	156	9.295	9.291	(0.913)	36850	5.00000	5
	94 1,2,3-Trichloropropane	110	9.492	9.487	(0.932)	15436	5.00000	6
	95 trans-1,4-Dichloro-2-Butene	53	9.531	9.527	(0.936)	27202	10.0000	10
	96 n-Propylbenzene	91	9.325	9.320	(0.916)	148681	5.00000	5
	97 2-Chlorotoluene	91	9.453	9.448	(0.928)	93401	5.00000	5
	98 4-Chlorotoluene	91	9.600	9.595	(0.943)	105631	5.00000	5
	99 1,3,5-Trimethylbenzene	105	9.492	9.487	(0.932)	95659	5.00000	5
	100 tert-Butylbenzene	119	9.768	9.763	(0.959)	74110	5.00000	5
	101 1,2,4-Trimethylbenzene	105	9.836	9.832	(0.966)	95447	5.00000	5
	102 sec-Butylbenzene	105	9.925	9.920	(0.975)	102845	5.00000	5
	103 4-Isopropyltoluene	119	10.053	10.048	(0.987)	88290	5.00000	5
	104 1,3-Dichlorobenzene	146	10.112	10.107	(0.993)	58137	5.00000	5
	105 1,4-Dichlorobenzene	146	10.190	10.186	(1.001)	60449	5.00000	5
	106 1,2-Dichlorobenzene	146	10.554	10.549	(1.037)	56530	5.00000	5
	107 Benzyl Chloride	126	10.397	10.402	(1.021)	15813	5.00000	4
	108 n-Butylbenzene	91	10.407	10.402	(1.022)	165052	5.00000	5
	111 1,2-Dibromo-3-chloropropane	75	11.253	11.248	(1.105)	8221	5.00000	5
	112 Nitrobenzene	77	11.735	11.730	(1.153)	17136	50.0000	46
	113 1,2,4-Trichlorobenzene	180	11.853	11.848	(1.164)	28040	5.00000	5
	114 Hexachlorobutadiene	225	11.843	11.838	(1.163)	11618	5.00000	6
	115 Naphthalene	128	12.138	12.133	(1.192)	100473	5.00000	6
	116 1,2,3-Trichlorobenzene	180	12.305	12.300	(1.209)	22799	5.00000	5
$	117 Bromofluorobenzene	95	9.207	9.202	(0.904)	32188	5.00000	5
M	118 1,2-Dichloroethene (total)	100				90619	10.0000	11
M	119 Xylene (total)	100				164025	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\ms1.i\L052710.b\L2711.D
Date : 05-AUG-2005 11:54
Client ID: VSTB005BLK
Sample Info: VSTB005BLK
Purge Volume: 5.0
Column phase: RTX-624

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



STL-CT

Volatile Report SW-846 Method 8260B
\\TARGET1_CT\FILES\chem\VOA\msl.i\L052710.b\L2712.D

Data file : \\TARGET1_CT\FILES\chem\VOA\msl.i\L052710.b\L2712.D
Lab Smp Id: VSTD020LL
Inj Date : 05-AUG-2005 12:18
Operator : D. HUMBERT
Smp Info : VSTD020LL
Misc Info : : ;;; VSTD020LL ; 8260B ; 1 ; LLW
Comment :
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Meth Date : 05-Aug-2005 14:39 larryd
Cal Date : 05-AUG-2005 12:18
Als bottle: 100
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.10
Processing Host: CONMSLNT

Client Smp ID: VSTD020LL
MS Autotune Date: 26-APR-2004 14:21
Inst ID: msl.i

Quant Type: ISTD
Cal File: L2712.D
Calibration Sample, Level: 2

Compound Sublist: all.sub

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. 8/5/05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 1	Fluorobenzene	96	5.117	5.120	(1.000)	427379	25.0000	
2	Dichlorodifluoromethane	85	1.212	1.216	(0.237)	138720	20.0000	21
3	Chloromethane	50	1.330	1.334	(0.260)	188299	20.0000	21
4	Vinyl Chloride	62	1.379	1.383	(0.270)	166385	20.0000	21
5	Bromomethane	94	1.576	1.570	(0.308)	112757	20.0000	22
6	Chloroethane	64	1.645	1.648	(0.321)	111674	20.0000	22
7	Trichlorofluoromethane	101	1.733	1.737	(0.339)	201077	20.0000	21
8	Dichlorofluoromethane	67	1.753	1.747	(0.343)	296571	20.0000	20
9	Ethyl Ether	45	1.910	1.914	(0.373)	91349	20.0000	22
10	Freon 141	81	1.979	1.983	(0.387)	192430	20.0000	20
11	Freon 123a	67	2.048	2.052	(0.400)	45407	20.0000	22
12	Trichlorotrifluoroethane	101	2.068	2.071	(0.404)	110640	20.0000	21
13	1,1-Dichloroethene	96	2.058	2.052	(0.402)	129736	20.0000	21
14	Carbon Disulfide	76	2.097	2.101	(0.410)	133964	20.0000	22
15	Iodomethane	142	2.166	2.160	(0.423)	113064	20.0000	19
16	3-Chloro-1-Propene	41	2.372	2.366	(0.464)	185062	20.0000	21
17	Methylene Chloride	84	2.441	2.445	(0.477)	195901	20.0000	20
18	Acetone	43	2.471	2.465	(0.483)	73598	20.0000	17
19	trans-1,2-Dichloroethene	96	2.579	2.573	(0.504)	167969	20.0000	21
20	Methyl tert-Butyl Ether	73	2.648	2.642	(0.518)	456217	20.0000	21
21	Acrolein	56	2.264	2.268	(0.443)	55280	100.000	100
22	tert-Butyl alcohol	59	2.687	2.691	(0.525)	129617	100.000	100

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	
	23 Methyl Acetate	43	2.559	2.553	(0.500)	333618	20.0000	20	
	24 Acetonitrile	41	2.825	2.829	(0.552)	267364	200.000	210	
	25 Isopropyl ether	45	2.963	2.957	(0.579)	612832	20.0000	21	
	26 tert-Butyl ethyl ether	59	3.317	3.311	(0.648)	551292	20.0000	21	
	27 Acrylonitrile	53	3.071	3.075	(0.600)	231537	40.0000	39	
	28 2-Chloro-1,3-Butadiene	88	3.071	3.075	(0.600)	119259	20.0000	21	
	29 1,1-Dichloroethane	63	3.090	3.094	(0.604)	309383	20.0000	21	
	30 Vinyl Acetate	43	3.307	3.311	(0.646)	477447	20.0000	20	
	31 cis-1,2-Dichloroethene	96	3.631	3.635	(0.710)	174990	20.0000	21	
	32 2,2-Dichloropropane	77	3.759	3.753	(0.735)	240093	20.0000	22	
	33 Bromochloromethane	128	3.867	3.861	(0.756)	95263	20.0000	21	
	34 1-Bromopropane	43	3.848	3.852	(0.752)	234954	20.0000	22	
	35 Chloroform	83	3.946	3.950	(0.771)	288720	20.0000	21	
	36 Ethyl Acetate	43	4.104	4.097	(0.802)	31829	40.0000	46	
	37 Methyl Acrylate	55	4.104	4.107	(0.802)	173760	20.0000	22	
$	38 Dibromofluoromethane	111	4.172	4.176	(0.815)	108476	20.0000	21	
	39 Tetrahydrofuran	42	4.172	4.156	(0.815)	119378	40.0000	46	
	40 1,1,1-Trichloroethane	97	4.212	4.215	(0.823)	199613	20.0000	20	
	41 Carbon Tetrachloride	117	4.143	4.147	(0.810)	158373	20.0000	20	
	42 2-Butanone	43	4.320	4.314	(0.844)	109848	20.0000	22	
	43 1,1-Dichloropropene	75	4.359	4.363	(0.852)	215114	20.0000	20	
	44 Cyclohexane	84	3.887	3.891	(0.760)	109041	20.0000	21	
	45 tert-Amyl methyl ether	73	4.802	4.786	(0.938)	503090	20.0000	20	
	46 tert-Butyl formate	57	4.497	4.481	(0.879)	47682	20.0000	20(M)	
	47 1-Chlorobutane	56	3.897	3.891	(0.762)	127728	20.0000	22	
	48 Propionitrile	54	4.635	4.638	(0.906)	279286	200.000	200	
	49 Isobutyl alcohol	42	4.900	4.894	(0.958)	46984	200.000	230(H)	
	50 Benzene	78	4.654	4.648	(0.910)	602701	20.0000	21	
	51 2-Methyl-2-Propenenitrile	41	4.674	4.668	(0.914)	129199	20.0000	20	
$	52 1,2-Dichloroethane-d4	65	4.792	4.796	(0.937)	134824	20.0000	21	
	53 1,2-Dichloroethane	62	4.871	4.874	(0.952)	232486	20.0000	21	
	57 Methyl Cyclohexane	83	5.303	5.297	(1.037)	101187	20.0000	22	
	58 Trichloroethene	130	5.303	5.307	(1.037)	152031	20.0000	21	
	59 Dibromomethane	93	5.736	5.740	(1.121)	111843	20.0000	20	
	60 1,2-Dichloropropane	63	5.835	5.828	(1.140)	174024	20.0000	21	
	61 Bromodichloromethane	83	5.813	5.907	(1.156)	208254	20.0000	20	
	62 Methyl Methacrylate	69	6.080	6.074	(1.188)	253647	40.0000	42	
	63 1,4-Dioxane	58	6.120	6.114	(1.196)	51843	1000.00	770(M)	
	64 2-Chloroethylvinylether	63	6.484	6.478	(1.267)	79778	20.0000	22	
	65 cis-1,3-Dichloropropene	75	6.533	6.537	(1.277)	275419	20.0000	21	
	66 2-Nitropropane	41	6.946	6.950	(1.358)	130592	40.0000	42	
	67 Chloroacetonitrile	48	6.867	6.871	(1.342)	151305	400.000	410	
	68 trans-1,3-Dichloropropene	75	7.153	7.146	(1.398)	250604	20.0000	20	
	69 1,1,2-Trichloroethane	97	7.290	7.294	(1.425)	144777	20.0000	20	
*	70 Chlorobenzene-d5	117	8.126	8.130	(1.000)	340824	25.0000		
	71 Toluene	91	6.759	6.763	(0.832)	576051	20.0000	21	
$	72 Toluene-d8	98	6.710	6.714	(0.826)	315133	20.0000	20	
	73 1,1-Dichloro-2-propanone	43	6.975	6.979	(0.858)	574646	100.000	100	
	74 4-Methyl-2-Pentanone	43	7.113	7.107	(0.875)	212438	20.0000	22	
	75 Tetrachloroethene	164	7.133	7.137	(0.878)	97656	20.0000	21	
	76 Ethyl Methacrylate	69	7.310	7.314	(0.900)	223899	20.0000	20	
	77 Dibromochloromethane	129	7.457	7.461	(0.918)	164038	20.0000	21	
	78 1,3-Dichloropropane	76	7.536	7.540	(0.927)	262018	20.0000	21	
	79 1,2-Dibromoethane	107	7.664	7.658	(0.943)	161896	20.0000	20	

Data File: \\TARGET1_CT\FILES\chem\VOA\ms1.i\L052710.b\L2712.D
Report Date: 07-Aug-2005 11:15

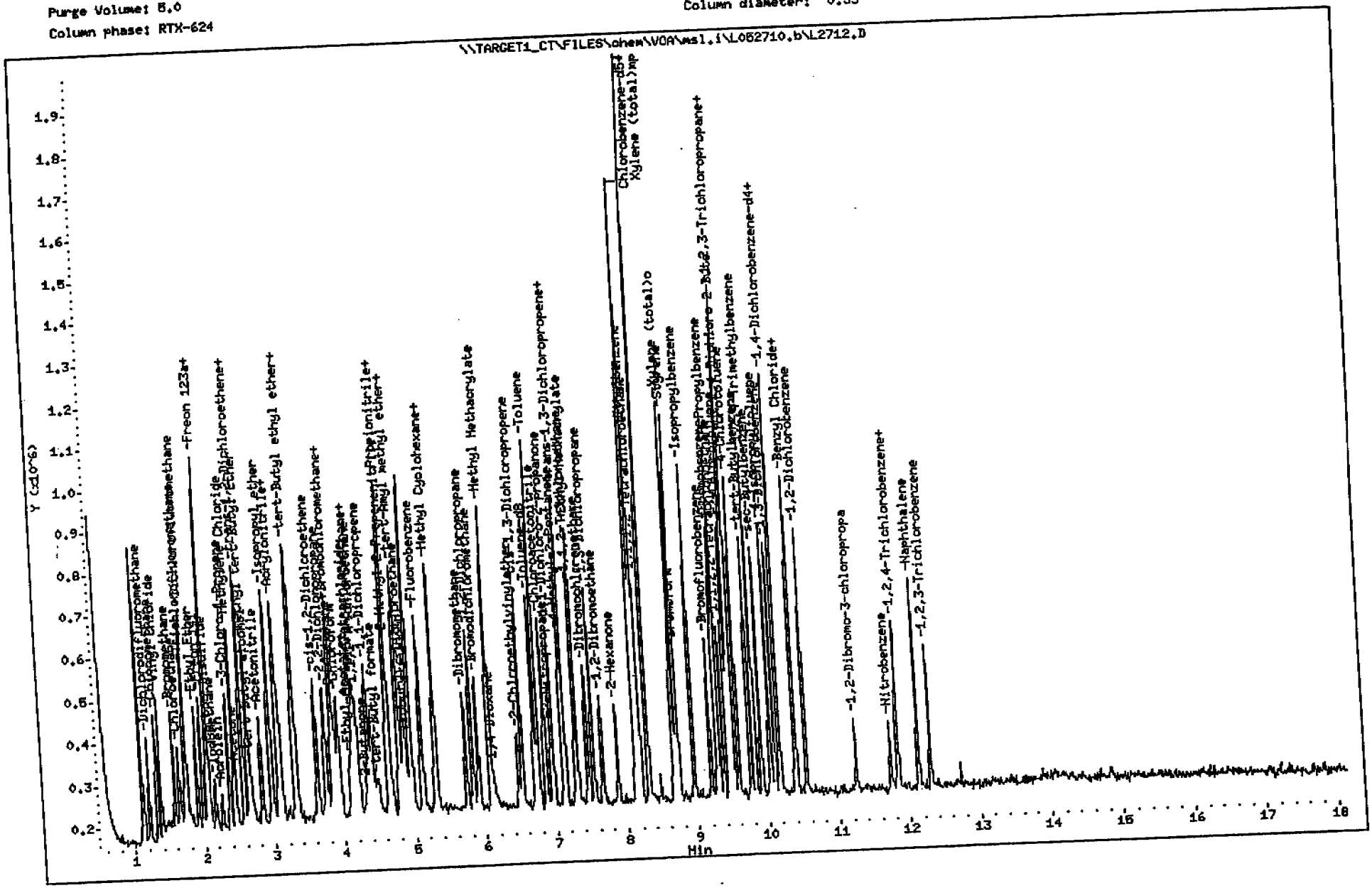
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
81 2-Hexanone	43	7.871	7.874	(0.969)	161755	20.0000	23
82 1-Chlorohexane	91	8.126	8.130	(1.000)	143907	20.0000	20
83 Chlorobenzene	112	8.136	8.140	(1.001)	372054	20.0000	21
84 1,1,1,2-Tetrachloroethane	131	8.205	8.199	(1.010)	139925	20.0000	22
85 Ethylbenzene	106	8.175	8.169	(1.006)	181832	20.0000	21
86 Xylene (total)mp	106	8.303	8.307	(1.022)	446193	40.0000	41
87 Xylene (total)o	106	8.677	8.681	(1.068)	228156	20.0000	21
88 Styrene	104	8.726	8.730	(1.074)	391645	20.0000	21
89 Bromoform	173	8.746	8.750	(1.076)	107283	20.0000	20
* 90 1,4-Dichlorobenzene-d4	152	10.172	10.176	(1.000)	145260	25.0000	
91 Isopropylbenzene	105	8.952	8.956	(0.880)	492616	20.0000	21
92 1,1,2,2-Tetrachloroethane	83	9.375	9.379	(0.922)	201043	20.0000	21
93 Bromobenzene	156	9.287	9.291	(0.913)	150153	20.0000	20
94 1,2,3-Trichloropropane	110	9.484	9.487	(0.932)	52433	20.0000	19
95 trans-1,4-Dichloro-2-Butene	53	9.523	9.527	(0.936)	107043	40.0000	42
96 n-Propylbenzene	91	9.316	9.320	(0.916)	565952	20.0000	20
97 2-Chlorotoluene	91	9.454	9.448	(0.929)	372499	20.0000	21
98 4-Chlorotoluene	91	9.592	9.595	(0.943)	385275	20.0000	20
99 1,3,5-Trimethylbenzene	105	9.493	9.487	(0.933)	372366	20.0000	21
100 tert-Butylbenzene	119	9.769	9.763	(0.960)	293040	20.0000	21
101 1,2,4-Trimethylbenzene	105	9.828	9.832	(0.966)	388456	20.0000	21
102 sec-Butylbenzene	105	9.916	9.920	(0.975)	405325	20.0000	21
103 4-Isopropyltoluene	119	10.044	10.048	(0.987)	343831	20.0000	21
104 1,3-Dichlorobenzene	146	10.113	10.107	(0.994)	232608	20.0000	20
105 1,4-Dichlorobenzene	146	10.182	10.186	(1.001)	245503	20.0000	21
106 1,2-Dichlorobenzene	146	10.546	10.549	(1.037)	234973	20.0000	21
107 Benzyl Chloride	126	10.398	10.402	(1.022)	72208	20.0000	21
108 n-Butylbenzene	91	10.398	10.402	(1.022)	635567	20.0000	20
111 1,2-Dibromo-3-chloropropane	75	11.244	11.248	(1.105)	36421	20.0000	21
112 Nitrobenzene	77	11.736	11.730	(1.154)	65494	200.000	180
113 1,2,4-Trichlorobenzene	180	11.854	11.848	(1.165)	105452	20.0000	20
114 Hexachlorobutadiene	225	11.834	11.838	(1.163)	33514	20.0000	19
115 Naphthalene	128	12.129	12.133	(1.192)	339670	20.0000	20
116 1,2,3-Trichlorobenzene	180	12.296	12.300	(1.209)	88943	20.0000	20
$ 117 Bromofluorobenzene	95	9.198	9.202	(0.904)	120766	20.0000	21
M 118 1,2-Dichloroethene (total)	100				342959	40.0000	42
M 119 Xylene (total)	100				674349	60.0000	63

QC Flag Legend

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

Data File: \\TARGET1_CT\FILES\chem\VOA\msl.i\L052710.b\L2712.D
Date : 05-AUG-2005 12:18
Client ID: VSTD020LL
Sample Info: VSTD020LL
Purge Volume: 5.0
Column phase: RTX-624

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



00000063

Data File: \\TARGET1_CT\FILES\chem\VOA\msl.i\L052710.b\L2713.D
Report Date: 07-Aug-2005 11:15

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\FILES\chem\VOA\msl.i\L052710.b\L2713.D
Lab Smp Id: VSTD050LM Client Smp ID: VSTD050LM
Inj Date : 05-AUG-2005 12:42 MS Autotune Date: 26-APR-2004 14:21
Operator : D. HUMBERT Inst ID: msl.i
Smp Info : VSTD050LM
Misc Info : : ;;; VSTD050LM ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msl.i\L052710.b\L8260BFW.m
Meth Date : 05-Aug-2005 14:39 larryd Quant Type: ISTD
Cal Date : 05-AUG-2005 12:42 Cal File: L2713.D
Als bottle: 100 Calibration Sample, Level: 3
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

D.H. 8/5/05

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	5.120	(1.000)	433534	25.0000	
2 Dichlorodifluoromethane	85	1.212	1.216	(0.237)	321044	50.0000	49
3 Chloromethane	50	1.330	1.334	(0.260)	438610	50.0000	47
4 Vinyl Chloride	62	1.379	1.383	(0.270)	392608	50.0000	49
5 Bromomethane	94	1.576	1.570	(0.308)	241164	50.0000	43
6 Chloroethane	64	1.645	1.648	(0.322)	240137	50.0000	45
7 Trichlorofluoromethane	101	1.733	1.737	(0.339)	466644	50.0000	47
8 Dichlorofluoromethane	67	1.753	1.747	(0.343)	708688	50.0000	47
9 Ethyl Ether	45	1.910	1.914	(0.373)	203682	50.0000	47
10 Freon 141	81	1.979	1.983	(0.387)	462907	50.0000	48
11 Freon 123a	67	2.048	2.052	(0.400)	97776	50.0000	47
12 Trichlorotrifluoroethane	101	2.068	2.071	(0.404)	243347	50.0000	45
13 1,1-Dichloroethene	96	2.058	2.052	(0.402)	300754	50.0000	47
14 Carbon Disulfide	76	2.097	2.101	(0.410)	294775	50.0000	47
15 Iodomethane	142	2.166	2.160	(0.423)	315258	50.0000	54
16 3-Chloro-1-Propene	41	2.372	2.366	(0.464)	427416	50.0000	49
17 Methylene Chloride	84	2.451	2.445	(0.479)	430860	50.0000	38
18 Acetone	43	2.471	2.465	(0.483)	165450	50.0000	32
19 trans-1,2-Dichloroethene	96	2.579	2.573	(0.504)	371884	50.0000	45
20 Methyl tert-Butyl Ether	73	2.648	2.642	(0.518)	1078356	50.0000	48
21 Acrolein	56	2.264	2.268	(0.443)	135640	250.000	260
22 tert-Butyl alcohol	59	2.687	2.691	(0.525)	286193	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	2.559	2.553	(0.500)	802781	50.0000	48	
	24 Acetonitrile	41	2.825	2.829	(0.552)	591388	500.000	450	
	25 Isopropyl ether	45	2.963	2.957	(0.579)	1404748	50.0000	48	
	26 tert-Butyl ethyl ether	59	3.317	3.311	(0.648)	1279966	50.0000	48	
	27 Acrylonitrile	53	3.071	3.075	(0.600)	622890	100.000	100	
	28 2-Chloro-1,3-Butadiene	88	3.071	3.075	(0.600)	276634	50.0000	48	
	29 1,1-Dichloroethane	63	3.090	3.094	(0.604)	712415	50.0000	47	
	30 Vinyl Acetate	43	3.307	3.311	(0.646)	1139877	50.0000	48	
	31 cis-1,2-Dichloroethene	96	3.631	3.635	(0.710)	403088	50.0000	46	
	32 2,2-Dichloropropane	77	3.759	3.753	(0.735)	546166	50.0000	47	
	33 Bromochloromethane	128	3.858	3.861	(0.754)	219030	50.0000	47	
	34 1-Bromopropane	43	3.848	3.852	(0.752)	528910	50.0000	48	
	35 Chloroform	83	3.946	3.950	(0.771)	667776	50.0000	48	
	36 Ethyl Acetate	43	4.094	4.097	(0.800)	64882	100.000	86	
	37 Methyl Acrylate	55	4.104	4.107	(0.802)	398921	50.0000	49	
$	38 Dibromofluoromethane	111	4.172	4.176	(0.815)	126076	25.0000	24	
	39 Tetrahydrofuran	42	4.172	4.156	(0.815)	233309	100.000	85	
	40 1,1,1-Trichloroethane	97	4.212	4.215	(0.823)	474441	50.0000	46	
	41 Carbon Tetrachloride	117	4.153	4.147	(0.812)	424697	50.0000	52	
	42 2-Butanone	43	4.310	4.314	(0.842)	223025	50.0000	39	
	43 1,1-Dichloropropene	75	4.369	4.363	(0.854)	508428	50.0000	48	
	44 Cyclohexane	84	3.897	3.891	(0.762)	249818	50.0000	46	
	45 tert-Amyl methyl ether	73	4.792	4.786	(0.937)	1202547	50.0000	48	
	46 tert-Butyl formate	57	4.487	4.481	(0.877)	115179	50.0000	46 (M)	
	47 1-Chlorobutane	56	3.897	3.891	(0.762)	274823	50.0000	46	
	48 Propionitrile	54	4.635	4.638	(0.906)	640092	500.000	450	
	49 Isobutyl alcohol	42	4.900	4.894	(0.958)	115402	500.000	500 (H)	
	50 Benzene	78	4.654	4.648	(0.910)	1368664	50.0000	46	
	51 2-Methyl-2-Propenenitrile	41	4.674	4.668	(0.914)	300417	50.0000	44	
$	52 1,2-Dichloroethane-d4	65	4.792	4.796	(0.937)	159030	25.0000	23	
	53 1,2-Dichloroethane	62	4.871	4.874	(0.952)	549830	50.0000	49	
	57 Methyl Cyclohexane	83	5.303	5.297	(1.037)	212494	50.0000	44	
	58 Trichloroethene	130	5.303	5.307	(1.037)	358286	50.0000	49	
	59 Dibromomethane	93	5.736	5.740	(1.121)	272599	50.0000	48	
	60 1,2-Dichloropropane	63	5.835	5.828	(1.140)	400959	50.0000	46	
	61 Bromodichloromethane	83	5.913	5.907	(1.156)	502501	50.0000	49	
	62 Methyl Methacrylate	69	6.080	6.074	(1.188)	584787	100.000	94	
	63 1,4-Dioxane	58	6.120	6.114	(1.196)	154733	2500.00	2200	
	64 2-Chloroethylvinylether	63	6.484	6.478	(1.267)	171811	50.0000	45	
	65 cis-1,3-Dichloropropene	75	6.533	6.537	(1.277)	645538	50.0000	48	
	66 2-Nitropropane	41	6.946	6.950	(1.358)	287920	100.000	91	
	67 Chloroacetonitrile	48	6.867	6.871	(1.342)	343930	1000.00	920	
	68 trans-1,3-Dichloropropene	75	7.153	7.146	(1.398)	604660	50.0000	48	
	69 1,1,2-Trichloroethane	97	7.290	7.294	(1.425)	329869	50.0000	44	
*	70 Chlorobenzene-d5	117	8.126	8.130	(1.000)	340849	25.0000		
	71 Toluene	91	6.759	6.763	(0.832)	1382959	50.0000	49	
$	72 Toluene-d8	98	6.710	6.714	(0.826)	402675	25.0000	26	
	73 1,1-Dichloro-2-propanone	43	6.975	6.979	(0.858)	1350974	250.000	240	
	74 4-Methyl-2-Pentanone	43	7.113	7.107	(0.875)	464341	50.0000	48	
	75 Tetrachloroethene	164	7.133	7.137	(0.878)	225608	50.0000	48	
	76 Ethyl Methacrylate	69	7.310	7.314	(0.900)	548974	50.0000	50	
	77 Dibromochloromethane	129	7.457	7.461	(0.918)	384527	50.0000	49	
	78 1,3-Dichloropropane	76	7.536	7.540	(0.927)	609750	50.0000	48	
	79 1,2-Dibromoethane	107	7.664	7.658	(0.943)	391380	50.0000	50	

Data File: \\TARGET1_CT\FILES\chem\VOA\ms1.i\L052710.b\L2713.D
Report Date: 07-Aug-2005 11:15

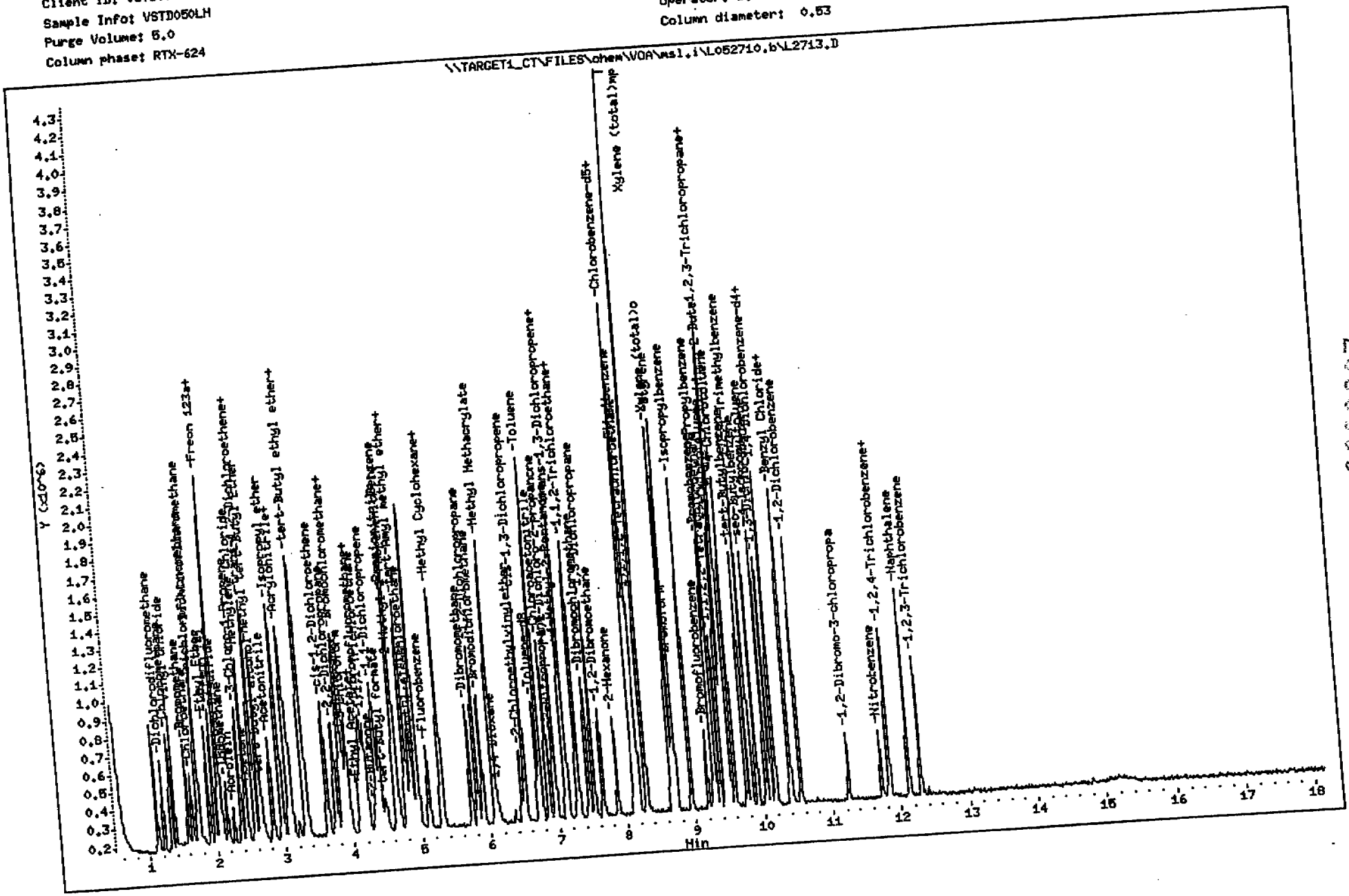
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
81 2-Hexanone	43	7.871	7.874	(0.969)	341209	50.0000	47
82 1-Chlorohexane	91	8.126	8.130	(1.000)	325616	50.0000	45
83 Chlorobenzene	112	8.146	8.140	(1.002)	861427	50.0000	49
84 1,1,1,2-Tetrachloroethane	131	8.205	8.199	(1.010)	307567	50.0000	48
85 Ethylbenzene	106	8.175	8.169	(1.006)	410673	50.0000	48
86 Xylene (total)mp	106	8.303	8.307	(1.022)	1051305	100.000	98
87 Xylene (total)o	106	8.677	8.681	(1.068)	534044	50.0000	50
88 Styrene	104	8.726	8.730	(1.074)	915731	50.0000	49
89 Bromoform	173	8.746	8.750	(1.076)	258052	50.0000	50
* 90 1,4-Dichlorobenzene-d4	152	10.172	10.176	(1.000)	145748	25.0000	
91 Isopropylbenzene	105	8.952	8.956	(0.880)	1132756	50.0000	48
92 1,1,2,2-Tetrachloroethane	83	9.375	9.379	(0.922)	474661	50.0000	49
93 Bromobenzene	156	9.287	9.291	(0.913)	359893	50.0000	49
94 1,2,3-Trichloropropane	110	9.484	9.487	(0.932)	131442	50.0000	48
95 trans-1,4-Dichloro-2-Butene	53	9.523	9.527	(0.936)	224104	100.000	88
96 n-Propylbenzene	91	9.316	9.320	(0.916)	1332909	50.0000	47
97 2-Chlorotoluene	91	9.454	9.448	(0.929)	877849	50.0000	48
98 4-Chlorotoluene	91	9.592	9.595	(0.943)	904875	50.0000	47
99 1,3,5-Trimethylbenzene	105	9.493	9.487	(0.933)	864801	50.0000	47
100 tert-Butylbenzene	119	9.769	9.763	(0.960)	681091	50.0000	48
101 1,2,4-Trimethylbenzene	105	9.828	9.832	(0.966)	904665	50.0000	48
102 sec-Butylbenzene	105	9.916	9.920	(0.975)	936907	50.0000	47
103 4-Isopropyltoluene	119	10.044	10.048	(0.987)	781109	50.0000	47
104 1,3-Dichlorobenzene	146	10.113	10.107	(0.994)	553423	50.0000	49
105 1,4-Dichlorobenzene	146	10.182	10.186	(1.001)	585547	50.0000	49
106 1,2-Dichlorobenzene	146	10.546	10.549	(1.037)	559751	50.0000	49
107 Benzyl Chloride	126	10.398	10.402	(1.022)	169470	50.0000	50
108 n-Butylbenzene	91	10.398	10.402	(1.022)	1469970	50.0000	47
111 1,2-Dibromo-3-chloropropane	75	11.244	11.248	(1.105)	80998	50.0000	48
112 Nitrobenzene	77	11.736	11.730	(1.154)	157720	500.000	480
113 1,2,4-Trichlorobenzene	180	11.854	11.848	(1.165)	245743	50.0000	47
114 Hexachlorobutadiene	225	11.834	11.838	(1.163)	76831	50.0000	42
115 Naphthalene	128	12.129	12.133	(1.192)	788998	50.0000	45
116 1,2,3-Trichlorobenzene	180	12.296	12.300	(1.209)	218435	50.0000	49
$ 117 Bromofluorobenzene	95	9.198	9.202	(0.904)	139264	25.0000	23
M 118 1,2-Dichloroethene (total)	100				774972	100.000	91
M 119 Xylene (total)	100				1585349	150.000	150

QC Flag Legend

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

Data File: \\TARGET1_CT\FILES\chem\VOA\msl.i\L052710.b\L2713.D
Date : 05-AUG-2005 12:42
Client ID: VSTD050LH
Sample Info: VSTD050LH
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\L052710.b\L2714.D
Lab Smp Id: VSTD100LN Client Smp ID: VSTD100LN
Inj Date : 05-AUG-2005 13:06 MS Autotune Date: 26-APR-2004 14:21
Operator : D. HUMBERT Inst ID: msl.i
Smp Info : VSTD100LN
Misc Info : : ;;; VSTD100LN ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msl.i\L052710.b\L8260BFW.m
Meth Date : 05-Aug-2005 14:39 larryd Quant Type: ISTD
Cal Date : 05-AUG-2005 13:06 Cal File: L2714.D
Als bottle: 100 Calibration Sample, Level: 4
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

DDH 8/5/05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 1 Fluorobenzene	96	5.111	5.120	(1.000)	421724	25.0000	
2 Dichlorodifluoromethane	85	1.216	1.216	(0.238)	676337	100.000	100
3 Chloromethane	50	1.334	1.334	(0.261)	917393	100.000	100
4 Vinyl Chloride	62	1.384	1.383	(0.271)	843237	100.000	110
5 Bromomethane	94	1.570	1.570	(0.307)	504966	100.000	94
6 Chloroethane	64	1.649	1.648	(0.323)	507505	100.000	98
7 Trichlorofluoromethane	101	1.738	1.737	(0.340)	1014912	100.000	100
8 Dichlorofluoromethane	67	1.757	1.747	(0.344)	1477957	100.000	100
9 Ethyl Ether	45	1.905	1.914	(0.373)	430853	100.000	100
10 Freon 141	81	1.984	1.983	(0.388)	982938	100.000	100
11 Freon 123a	67	2.052	2.052	(0.402)	226625	100.000	110
12 Trichlorotrifluoroethane	101	2.072	2.071	(0.405)	524167	100.000	100
13 1,1-Dichloroethene	96	2.052	2.052	(0.402)	645198	100.000	100
14 Carbon Disulfide	76	2.102	2.101	(0.411)	638060	100.000	100
15 Iodomethane	142	2.161	2.160	(0.423)	674645	100.000	110
16 3-Chloro-1-Propene	41	2.367	2.366	(0.463)	888887	100.000	100
17 Methylene Chloride	84	2.446	2.445	(0.479)	876833	100.000	84
18 Acetone	43	2.465	2.465	(0.482)	340995	100.000	74
19 trans-1,2-Dichloroethene	96	2.574	2.573	(0.504)	778300	100.000	98
20 Methyl tert-Butyl Ether	73	2.643	2.642	(0.517)	2315915	100.000	100
21 Acrolein	56	2.269	2.268	(0.444)	318745	500.000	600
22 tert-Butyl alcohol	59	2.692	2.691	(0.527)	682901	500.000	540

Data File: \\TARGET1_CT\FILES\chem\VOA\ms1.i\L052710.b\L2714.D
Report Date: 07-Aug-2005 11:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	
	23 Methyl Acetate	43	2.554	2.553	(0.500)	1772017	100.000	110	
	24 Acetonitrile	41	2.829	2.829	(0.554)	1289631	1000.00	1000	
	25 Isopropyl ether	45	2.957	2.957	(0.579)	3012347	100.000	100	
	26 tert-Butyl ethyl ether	59	3.311	3.311	(0.648)	2722102	100.000	100	
	27 Acrylonitrile	53	3.075	3.075	(0.602)	1240013	200.000	210	
	28 2-Chloro-1,3-Butadiene	88	3.075	3.075	(0.602)	586235	100.000	100	
	29 1,1-Dichloroethane	63	3.085	3.094	(0.604)	1508275	100.000	100	
	30 Vinyl Acetate	43	3.301	3.311	(0.646)	2409203	100.000	100	
	31 cis-1,2-Dichloroethene	96	3.636	3.635	(0.711)	875104	100.000	100	
	32 2,2-Dichloropropane	77	3.754	3.753	(0.734)	1116055	100.000	100	
	33 Bromochloromethane	128	3.862	3.861	(0.756)	465047	100.000	100	
	34 1-Bromopropane	43	3.852	3.852	(0.754)	1098771	100.000	100	
	35 Chloroform	83	3.951	3.950	(0.773)	1460147	100.000	100	
	36 Ethyl Acetate	43	4.098	4.097	(0.802)	131973	200.000	180	
	37 Methyl Acrylate	55	4.108	4.107	(0.804)	860709	100.000	110	
$	38 Dibromofluoromethane	111	4.177	4.176	(0.817)	532051	100.000	100	
	39 Tetrahydrofuran	42	4.157	4.156	(0.813)	510765	200.000	190	
	40 1,1,1-Trichloroethane	97	4.216	4.215	(0.825)	986986	100.000	99	
	41 Carbon Tetrachloride	117	4.147	4.147	(0.811)	766691	100.000	98	
	42 2-Butanone	43	4.315	4.314	(0.844)	496120	100.000	91	
	43 1,1-Dichloropropene	75	4.364	4.363	(0.854)	1074576	100.000	100	
	44 Cyclohexane	84	3.892	3.891	(0.761)	531027	100.000	100	
	45 tert-Amyl methyl ether	73	4.787	4.786	(0.937)	2557531	100.000	100	
	46 tert-Butyl formate	57	4.482	4.481	(0.877)	230700	100.000	95 (M)	
	47 1-Chlorobutane	56	3.892	3.891	(0.761)	587361	100.000	100	
	48 Propionitrile	54	4.639	4.638	(0.908)	1397478	1000.00	1000	
	49 Isobutyl alcohol	42	4.895	4.894	(0.958)	244728	1000.00	1100 (H)	
	50 Benzene	78	4.649	4.648	(0.910)	2971015	100.000	100	
	51 2-Methyl-2-Propenenitrile	41	4.669	4.668	(0.913)	668938	100.000	100	
$	52 1,2-Dichloroethane-d4	65	4.796	4.796	(0.938)	634720	100.000	96	
	53 1,2-Dichloroethane	62	4.875	4.874	(0.954)	1184395	100.000	100	
	57 Methyl Cyclohexane	83	5.308	5.297	(1.038)	419285	100.000	91	
	58 Trichloroethene	130	5.308	5.307	(1.038)	755715	100.000	100	
	59 Dibromomethane	93	5.741	5.740	(1.123)	579114	100.000	100	
	60 1,2-Dichloropropane	63	5.829	5.828	(1.140)	844652	100.000	100	
	61 Bromodichloromethane	83	5.908	5.907	(1.156)	1070882	100.000	100	
	62 Methyl Methacrylate	69	6.075	6.074	(1.189)	1259629	200.000	210	
	63 1,4-Dioxane	58	6.114	6.114	(1.196)	339358	5000.00	5000	
	64 2-Chloroethylvinylether	63	6.478	6.478	(1.267)	366445	100.000	99	
	65 cis-1,3-Dichloropropene	75	6.528	6.537	(1.277)	1363942	100.000	100	
	66 2-Nitropropane	41	6.950	6.950	(1.360)	646438	200.000	210	
	67 Chloroacetonitrile	48	6.872	6.871	(1.344)	790231	2000.00	2100	
	68 trans-1,3-Dichloropropene	75	7.147	7.146	(1.398)	1309009	100.000	100	
	69 1,1,2-Trichloroethane	97	7.295	7.294	(1.427)	717190	100.000	99	
*	70 Chlorobenzene-d5	117	8.131	8.130	(1.000)	340563	25.0000		
	71 Toluene	91	6.764	6.763	(0.832)	2897897	100.000	100	
$	72 Toluene-d8	98	6.714	6.714	(0.826)	1591080	100.000	100	
	73 1,1-Dichloro-2-propanone	43	6.980	6.979	(0.858)	3024056	500.000	530	
	74 4-Methyl-2-Pentanone	43	7.108	7.107	(0.874)	1006417	100.000	100	
	75 Tetrachloroethene	164	7.127	7.137	(0.877)	485017	100.000	100	
	76 Ethyl Methacrylate	69	7.314	7.314	(0.900)	1141767	100.000	100	
	77 Dibromochloromethane	129	7.462	7.461	(0.918)	840021	100.000	100	
	78 1,3-Dichloropropane	76	7.541	7.540	(0.927)	1332954	100.000	100	
	79 1,2-Dibromoethane	107	7.659	7.658	(0.942)	857140	100.000	110	

Data File: \\TARGET1_CT\FILES\chem\VOA\ms1.i\L052710.b\L2714.D
Report Date: 07-Aug-2005 11:15

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
81 2-Hexanone	43	7.875	7.874	(0.969)	727975	100.000	100
82 1-Chlorohexane	91	8.131	8.130	(1.000)	762196	100.000	100
83 Chlorobenzene	112	8.141	8.140	(1.001)	1860385	100.000	100
84 1,1,1,2-Tetrachloroethane	131	8.200	8.199	(1.008)	683628	100.000	100
85 Ethylbenzene	106	8.170	8.169	(1.005)	896011	100.000	100
86 Xylene (total)mp	106	8.308	8.307	(1.022)	2239801	200.000	210
87 Xylene (total)o	106	8.681	8.681	(1.068)	1092134	100.000	100
88 Styrene	104	8.721	8.730	(1.073)	1970677	100.000	100
89 Bromoform	173	8.750	8.750	(1.076)	569568	100.000	110
* 90 1,4-Dichlorobenzene-d4	152	10.176	10.176	(1.000)	142174	25.0000	
91 Isopropylbenzene	105	8.957	8.956	(0.880)	2454354	100.000	100
92 1,1,2,2-Tetrachloroethane	83	9.380	9.379	(0.922)	1033160	100.000	110
93 Bromobenzene	156	9.291	9.291	(0.913)	768855	100.000	100
94 1,2,3-Trichloropropane	110	9.488	9.487	(0.932)	283657	100.000	100
95 trans-1,4-Dichloro-2-Butene	53	9.527	9.527	(0.936)	565544	200.000	220
96 n-Propylbenzene	91	9.321	9.320	(0.916)	2796288	100.000	100
97 2-Chlorotoluene	91	9.449	9.448	(0.928)	1865305	100.000	100
98 4-Chlorotoluene	91	9.596	9.595	(0.943)	1929187	100.000	100
99 1,3,5-Trimethylbenzene	105	9.488	9.487	(0.932)	1798777	100.000	100
100 tert-Butylbenzene	119	9.763	9.763	(0.959)	1424678	100.000	100
101 1,2,4-Trimethylbenzene	105	9.832	9.832	(0.966)	1901071	100.000	100
102 sec-Butylbenzene	105	9.921	9.920	(0.975)	1968758	100.000	100
103 4-Isopropyltoluene	119	10.049	10.048	(0.987)	1669269	100.000	100
104 1,3-Dichlorobenzene	146	10.108	10.107	(0.993)	1174244	100.000	100
105 1,4-Dichlorobenzene	146	10.186	10.186	(1.001)	1225049	100.000	100
106 1,2-Dichlorobenzene	146	10.550	10.549	(1.037)	1183966	100.000	100
107 Benzyl Chloride	126	10.393	10.402	(1.021)	370851	100.000	110
108 n-Butylbenzene	91	10.403	10.402	(1.022)	3188093	100.000	100
111 1,2-Dibromo-3-chloropropane	75	11.249	11.248	(1.105)	188931	100.000	110
112 Nitrobenzene	77	11.730	11.730	(1.153)	433227	1000.00	1200
113 1,2,4-Trichlorobenzene	180	11.849	11.848	(1.164)	538198	100.000	100
114 Hexachlorobutadiene	225	11.829	11.838	(1.162)	168289	100.000	96
115 Naphthalene	128	12.134	12.133	(1.192)	1744848	100.000	100
116 1,2,3-Trichlorobenzene	180	12.301	12.300	(1.209)	483729	100.000	110
$ 117 Bromofluorobenzene	95	9.203	9.202	(0.904)	573644	100.000	99
M 118 1,2-Dichloroethene (total)	100				1653404	200.000	200
M 119 Xylene (total)	100				3331935	300.000	310

QC Flag Legend

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

Data File: \\TARGET1_CT\FILES\chem\VOA\ms1.i\L052710.b\L2714.D
Date : 05-AUG-2005 13:06
Client ID: VSTM100LN
Sample Info: VSTM100LN
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\L052710.b\L2714.D

STL-CT

Volatile Report SW-846 Method 8260B
\\TARGET1_CT\FILES\chem\VOA\msl.i\L052710.b\L2715.D

Data file : \\TARGET1_CT\FILES\chem\VOA\msl.i\L052710.b\L2715.D
Lab Smp Id: VSTD200LO Client Smp ID: VSTD200LO
Inj Date : 05-AUG-2005 13:31 MS Autotune Date: 26-APR-2004 14:21
Operator : D. HUMBERT Inst ID: msl.i
Smp Info : VSTD200LO
Misc Info : : ;;; VSTD200LO ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msl.i\L052710.b\L8260BFW.m
Meth Date : 05-Aug-2005 14:39 larryd Quant Type: ISTD
Cal Date : 05-AUG-2005 13:31 Cal File: L2715.D
Als bottle: 100 Calibration Sample, Level: 5
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

DLH 8/5/05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
*	1 Fluorobenzene	96	5.120	5.120	(1.000)	421666	25.0000	
	2 Dichlorodifluoromethane	85	1.216	1.216	(0.237)	1249286	200.000	190
	3 Chloromethane	50	1.334	1.334	(0.261)	1665451	200.000	190
	4 Vinyl Chloride	62	1.383	1.383	(0.270)	1519598	200.000	190
	5 Bromomethane	94	1.570	1.570	(0.307)	861351	200.000	170
	6 Chloroethane	64	1.648	1.648	(0.322)	869990	200.000	170
	7 Trichlorofluoromethane	101	1.737	1.737	(0.339)	1829047	200.000	190
	8 Dichlorofluoromethane	67	1.747	1.747	(0.341)	2620592	200.000	180
	9 Ethyl Ether	45	1.914	1.914	(0.374)	749831	200.000	180
	10 Freon 141	81	1.983	1.983	(0.387)	1772525	200.000	190
	11 Freon 123a	67	2.052	2.052	(0.401)	374544	200.000	180
	12 Trichlorotrifluoroethane	101	2.071	2.071	(0.405)	954947	200.000	180
	13 1,1-Dichloroethene	96	2.052	2.052	(0.401)	1136135	200.000	180
	14 Carbon Disulfide	76	2.101	2.101	(0.410)	1149688	200.000	190
	15 Iodomethane	142	2.160	2.160	(0.422)	1174628	200.000	200
	16 3-Chloro-1-Propene	41	2.366	2.366	(0.462)	1615372	200.000	190
	17 Methylene Chloride	84	2.445	2.445	(0.478)	1555243	200.000	160
	18 Acetone	43	2.465	2.465	(0.481)	598802	200.000	140
	19 trans-1,2-Dichloroethene	96	2.573	2.573	(0.503)	1402143	200.000	180
	20 Methyl tert-Butyl Ether	73	2.642	2.642	(0.516)	4045693	200.000	190
	21 Acrolein	56	2.268	2.268	(0.443)	593793	1000.00	1100 (A)
	22 tert-Butyl alcohol	59	2.691	2.691	(0.526)	1109249	1000.00	900

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	23 Methyl Acetate	43	2.553	2.553	(0.499)	3088667	200.000	190
	24 Acetonitrile	41	2.829	2.829	(0.552)	2208623	2000.00	1800
	25 Isopropyl ether	45	2.957	2.957	(0.577)	5391634	200.000	190
	26 tert-Butyl ethyl ether	59	3.311	3.311	(0.647)	4887283	200.000	190
	27 Acrylonitrile	53	3.075	3.075	(0.600)	2198458	400.000	380(M)
	28 2-Chloro-1,3-Butadiene	88	3.075	3.075	(0.600)	1069510	200.000	190
	29 1,1-Dichloroethane	63	3.094	3.094	(0.604)	2754765	200.000	190
	30 Vinyl Acetate	43	3.311	3.311	(0.647)	4296467	200.000	190
	31 cis-1,2-Dichloroethene	96	3.635	3.635	(0.710)	1529141	200.000	180
	32 2,2-Dichloropropane	77	3.753	3.753	(0.733)	1973440	200.000	180
	33 Bromochloromethane	128	3.861	3.861	(0.754)	833569	200.000	180
	34 1-Bromopropane	43	3.852	3.852	(0.752)	1974116	200.000	190
	35 Chloroform	83	3.950	3.950	(0.771)	2641316	200.000	190
	36 Ethyl Acetate	43	4.097	4.097	(0.800)	228606	400.000	330
	37 Methyl Acrylate	55	4.107	4.107	(0.802)	1483382	200.000	190
$	38 Dibromofluoromethane	111	4.176	4.176	(0.816)	940270	200.000	190
	39 Tetrahydrofuran	42	4.156	4.156	(0.812)	902605	400.000	350
	40 1,1,1-Trichloroethane	97	4.215	4.215	(0.823)	1800055	200.000	180
	41 Carbon Tetrachloride	117	4.147	4.147	(0.810)	1629939	200.000	210(A)
	42 2-Butanone	43	4.314	4.314	(0.843)	842407	200.000	170
	43 1,1-Dichloropropene	75	4.363	4.363	(0.852)	1983089	200.000	190
	44 Cyclohexane	84	3.891	3.891	(0.760)	948716	200.000	180
	45 tert-Amyl methyl ether	73	4.786	4.786	(0.935)	4625587	200.000	190
	46 tert-Butyl formate	57	4.481	4.481	(0.875)	390361	200.000	170(M)
	47 1-Chlorobutane	56	3.891	3.891	(0.760)	1046851	200.000	180
	48 Propionitrile	54	4.638	4.638	(0.906)	2365918	2000.00	1800
	49 Isobutyl alcohol	42	4.894	4.894	(0.956)	375004	2000.00	1700(H)
	50 Benzene	78	4.648	4.648	(0.908)	5372394	200.000	190
	51 2-Methyl-2-Propenenitrile	41	4.668	4.668	(0.912)	1141760	200.000	180
$	52 1,2-Dichloroethane-d4	65	4.796	4.796	(0.937)	1147549	200.000	180
	53 1,2-Dichloroethane	62	4.874	4.874	(0.952)	2138707	200.000	190
	57 Methyl Cyclohexane	83	5.297	5.297	(1.035)	811070	200.000	180
	58 Trichloroethene	130	5.307	5.307	(1.036)	1418763	200.000	200
	59 Dibromomethane	93	5.740	5.740	(1.121)	1044984	200.000	190
	60 1,2-Dichloropropane	63	5.828	5.828	(1.138)	1517413	200.000	180
	61 Bromodichloromethane	83	5.907	5.907	(1.154)	1931059	200.000	190
	62 Methyl Methacrylate	69	6.074	6.074	(1.186)	2233947	400.000	370
	63 1,4-Dioxane	58	6.114	6.114	(1.194)	581435	10000.0	8800
	64 2-Chloroethylvinylether	63	6.478	6.478	(1.265)	636798	200.000	180
	65 cis-1,3-Dichloropropene	75	6.537	6.537	(1.277)	2442496	200.000	190
	66 2-Nitropropane	41	6.950	6.950	(1.357)	1085715	400.000	360
	67 Chloroacetonitrile	48	6.871	6.871	(1.342)	1328197	4000.00	3600
	68 trans-1,3-Dichloropropene	75	7.146	7.146	(1.396)	2384491	200.000	190
	69 1,1,2-Trichloroethane	97	7.294	7.294	(1.424)	1269907	200.000	180
*	70 Chlorobenzene-d5	117	8.130	8.130	(1.000)	337981	25.0000	
	71 Toluene	91	6.763	6.763	(0.832)	5266290	200.000	190
$	72 Toluene-d8	98	6.714	6.714	(0.826)	2878521	200.000	190
	73 1,1-Dichloro-2-propanone	43	6.979	6.979	(0.858)	5222475	1000.00	940
	74 4-Methyl-2-Pentanone	43	7.107	7.107	(0.874)	1740893	200.000	180
	75 Tetrachloroethene	164	7.137	7.137	(0.878)	883914	200.000	190
	76 Ethyl Methacrylate	69	7.314	7.314	(0.900)	2063311	200.000	190
	77 Dibromochloromethane	129	7.461	7.461	(0.918)	1527018	200.000	190
	78 1,3-Dichloropropane	76	7.540	7.540	(0.927)	2371538	200.000	190
	79 1,2-Dibromoethane	107	7.658	7.658	(0.942)	1550086	200.000	190

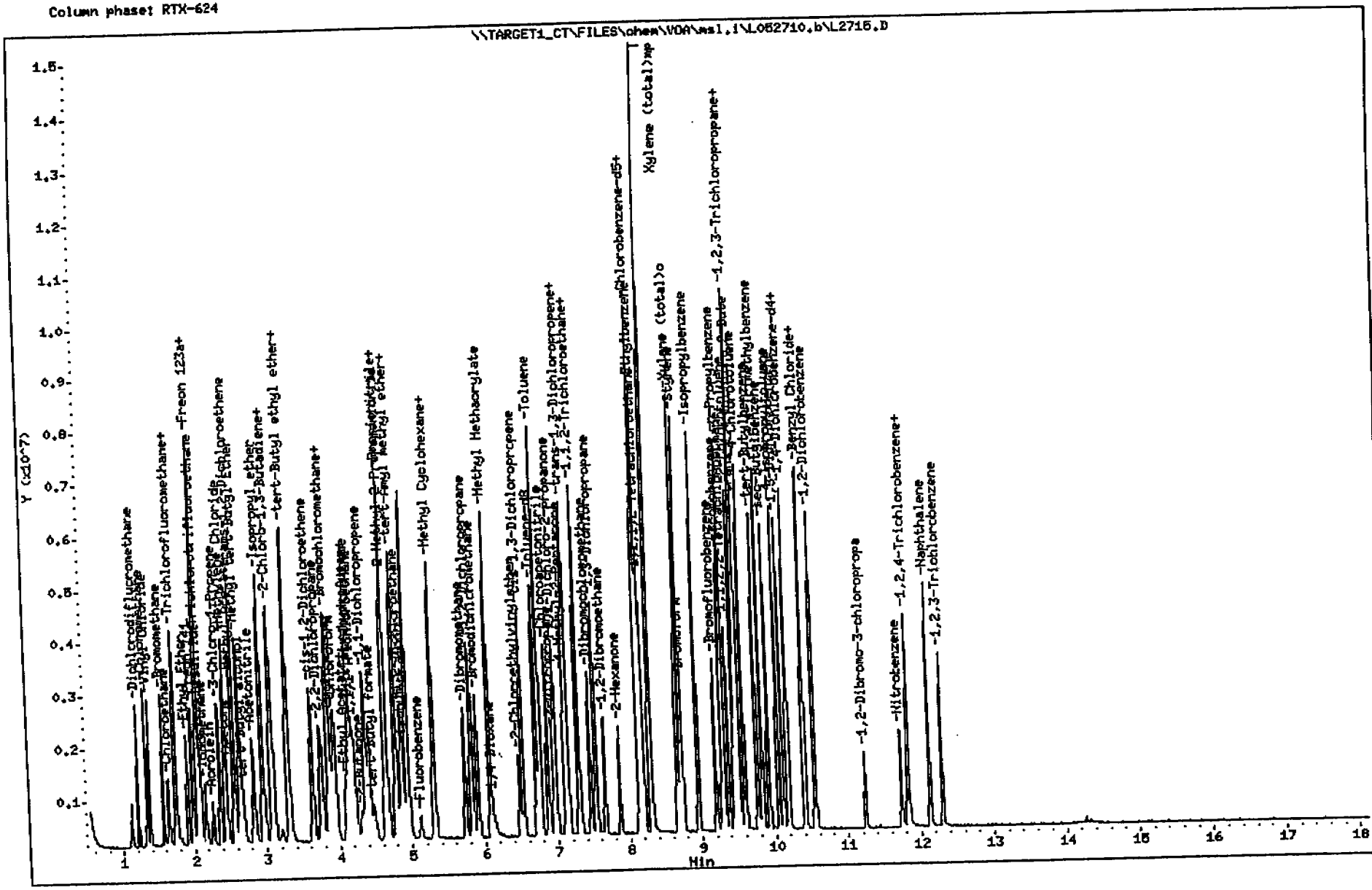
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
81 2-Hexanone	43	7.874	7.874	(0.969)	1252373	200.000	180
82 1-Chlorohexane	91	8.130	8.130	(1.000)	1364814	200.000	190
83 Chlorobenzene	112	8.140	8.140	(1.001)	3414617	200.000	190
84 1,1,1,2-Tetrachloroethane	131	8.199	8.199	(1.008)	1244658	200.000	190
85 Ethylbenzene	106	8.169	8.169	(1.005)	1613058	200.000	190
86 Xylene (total)mp	106	8.307	8.307	(1.022)	4090864	400.000	380
87 Xylene (total)o	106	8.681	8.681	(1.068)	1985993	200.000	190
88 Styrene	104	8.730	8.730	(1.074)	3609795	200.000	190
89 Bromoform	173	8.750	8.750	(1.076)	1023044	200.000	200
* 90 1,4-Dichlorobenzene-d4	152	10.176	10.176	(1.000)	147858	25.0000	
91 Isopropylbenzene	105	8.956	8.956	(0.880)	4488815	200.000	190
92 1,1,2,2-Tetrachloroethane	83	9.379	9.379	(0.922)	1840494	200.000	190
93 Bromobenzene	156	9.291	9.291	(0.913)	1393461	200.000	190
94 1,2,3-Trichloropropane	110	9.487	9.487	(0.932)	495813	200.000	180
95 trans-1,4-Dichloro-2-Butene	53	9.527	9.527	(0.936)	949638	400.000	360
96 n-Propylbenzene	91	9.320	9.320	(0.916)	5185861	200.000	180
97 2-Chlorotoluene	91	9.448	9.448	(0.928)	3419604	200.000	190
98 4-Chlorotoluene	91	9.595	9.595	(0.943)	3601097	200.000	180
99 1,3,5-Trimethylbenzene	105	9.487	9.487	(0.932)	3398728	200.000	190
100 tert-Butylbenzene	119	9.763	9.763	(0.959)	2637365	200.000	180
101 1,2,4-Trimethylbenzene	105	9.832	9.832	(0.966)	3527779	200.000	190
102 sec-Butylbenzene	105	9.920	9.920	(0.975)	3679771	200.000	180
103 4-Isopropyltoluene	119	10.048	10.048	(0.987)	3155123	200.000	190
104 1,3-Dichlorobenzene	146	10.107	10.107	(0.993)	2170060	200.000	190
105 1,4-Dichlorobenzene	146	10.186	10.186	(1.001)	2255302	200.000	190
106 1,2-Dichlorobenzene	146	10.549	10.549	(1.037)	2197602	200.000	190
107 Benzyl Chloride	126	10.402	10.402	(1.022)	638041	200.000	180
108 n-Butylbenzene	91	10.402	10.402	(1.022)	5934655	200.000	190
111 1,2-Dibromo-3-chloropropane	75	11.248	11.248	(1.105)	325061	200.000	190
112 Nitrobenzene	77	11.730	11.730	(1.153)	831492	2000.00	2200(A)
113 1,2,4-Trichlorobenzene	180	11.848	11.848	(1.164)	1015659	200.000	190
114 Hexachlorobutadiene	225	11.838	11.838	(1.163)	318506	200.000	180
115 Naphthalene	128	12.133	12.133	(1.192)	3202473	200.000	180
116 1,2,3-Trichlorobenzene	180	12.300	12.300	(1.209)	907435	200.000	200
$ 117 Bromofluorobenzene	95	9.202	9.202	(0.904)	1060545	200.000	180
M 118 1,2-Dichloroethene (total)	100				2931284	400.000	360
M 119 Xylene (total)	100				6076857	600.000	570

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\ohew\VOA\msl.i\L052710.b\L2715.D
Date : 05-AUG-2005 13:31
Client ID: VSTD200L0
Sample Info: VSTD200L0
Purge Volume: 5.0
Column phase: RTX-624

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



00000075

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210611 SAS No.: SDG No.: 210611

Instrument ID: MSL Calibration Date: 08/17/05 Time: 0904

Lab File ID: L3043 Init. Calib. Date(s): 08/05/05 08/05/05

Heated Purge: (Y/N) N Init. Calib. Times: 1154 1331

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

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Dichlorodifluoromethane	0.382	0.370	0.01	3.1	100	
Chloromethane	0.529	0.494	0.1	6.6	100	
Vinyl Chloride	0.467	0.445	0.01	4.7	20.0	
Bromomethane	0.305	0.197	0.01	35.4	100	
Chloroethane	0.296	0.301	0.01	1.7	100	
Trichlorofluoromethane	0.569	0.552	0.01	3.0	100	
Ethyl Ether	0.244	0.232	0.01	4.9	100	
Freon 141	0.552	0.526	0.01	4.7	100	
Freon 123a	0.121	0.112	0.01	7.4	100	
Trichlorotrifluoroethane	0.305	0.278	0.01	8.8	100	
Acrolein	0.032	0.090	0.001	181.2	100	<-
1,1-Dichloroethene	0.366	0.333	0.01	9.0	20.0	
Acetone	0.255	0.207	0.01	18.8	100	
Iodomethane	0.351	0.263	0.01	25.1	100	
Carbon Disulfide	0.361	0.300	0.01	16.9	100	
3-Chloro-1-Propene	0.505	0.470	0.01	6.9	100	
tert-Butyl alcohol	0.073	0.080	0.001	9.6	100	
Methylene Chloride	0.587	0.498	0.01	15.2	100	
Methyl tert-Butyl Ether	1.287	1.235	0.01	4.0	100	
Ethyl Acetate	0.041	0.035	0.01	14.6	100	
trans-1,2-Dichloroethene	0.460	0.412	0.01	10.4	100	
Acrylonitrile	0.345	0.351	0.01	1.7	100	
Isopropyl ether	1.698	1.682		0.9	100	
1,1-Dichloroethane	0.864	0.844	0.1	2.3	100	
tert-Butyl ethyl ether	1.542	1.512		1.9	100	
2,2-Dichloropropane	0.649	0.675	0.01	4.0	100	
cis-1,2-Dichloroethene	0.496	0.469	0.01	5.4	100	
2-Butanone	0.298	0.271	0.01	9.1	100	
Methyl Acrylate	0.472	0.447	0.01	5.3	100	
Propionitrile	0.080	0.075	0.01	6.2	100	
Bromochloromethane	0.266	0.240	0.01	9.8	100	
2-Methyl-2-Propenenitrile	0.384	0.357	0.01	7.0	100	
Tetrahydrofuran	0.152	0.132	0.01	13.2	100	
Chloroform	0.814	0.796	0.01	2.2	20.0	
tert-Butyl formate	0.138	0.028		79.7	100	
1,1,1-Trichloroethane	0.577	0.558	0.01	3.3	100	
1-Chlorobutane	0.337	0.286	0.01	15.1	100	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210611 SAS No.: SDG No.: 210611

Instrument ID: MSL Calibration Date: 08/17/05 Time: 0904

Lab File ID: L3043 Init. Calib. Date(s): 08/05/05 08/05/05

Heated Purge: (Y/N) N Init. Calib. Times: 1154 1331

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

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Carbon Tetrachloride	0.467	0.434	0.01	7.1	100	
Chloroacetonitrile	0.022	0.022	0.001	0.0	100	
1,1-Dichloropropene	0.613	0.590	0.01	3.8	100	
Benzene	1.687	1.602	0.01	5.0	100	
tert-Amyl methyl ether	1.449	1.402		3.2	100	
1,2-Dichloroethane	0.657	0.658	0.01	0.2	100	
2-Chloro-1,3-Butadiene	0.331	0.305	0.01	7.8	100	
Vinyl Acetate	1.363	1.198	0.01	12.1	100	
2,4,4-Trimethyl 1-Pentene					100	<-
Trichloroethene	0.427	0.408	0.01	4.4	100	
2,4,4-Trimethyl 2-Pentene					100	<-
1,2-Dichloropropane	0.491	0.465	0.01	5.3	20.0	
Methyl Methacrylate	0.355	0.328	0.01	7.6	100	
1,4-Dioxane	0.004	0.004	0.001	0.0	100	
Dibromomethane	0.325	0.310	0.01	4.6	100	
Bromodichloromethane	0.599	0.562	0.01	6.2	100	
2-Nitropropane	0.180	0.180	0.01	0.0	100	
2-Chloroethylvinylether	0.214		0.001	100.0	100	<-
cis-1,3-Dichloropropene	0.767	0.748	0.01	2.5	100	
trans-1,3-Dichloropropene	0.729	0.716	0.01	1.8	100	
1,1,2-Trichloroethane	0.418	0.386	0.01	7.6	100	
4-Methyl-2-Pentanone	0.699	0.713	0.01	2.0	100	
Toluene	2.047	2.128	0.01	4.0	20.0	
Ethyl Methacrylate	0.802	0.837	0.01	4.4	100	
Tetrachloroethene	0.342	0.336	0.01	1.8	100	
1,3-Dichloropropane	0.925	0.988	0.01	6.8	100	
2-Hexanone	0.517	0.528	0.01	2.1	100	
Dibromochloromethane	0.581	0.594	0.01	2.2	100	
1,2-Dibromoethane	0.588	0.599	0.01	1.9	100	
1,1-Dichloro-2-propanone	0.413	0.434	0.01	5.1	100	
1-Chlorohexane	0.532	0.462	0.01	13.2	100	
Chlorobenzene	1.304	1.374	0.3	5.4	100	
1,1,1,2-Tetrachloroethane	0.476	0.491	0.01	3.2	100	
Ethylbenzene	0.624	0.625	0.01	0.2	20.0	
Xylene (total)mp	0.789	0.798	0.01	1.1	100	
Xylene (total)o	0.781	0.791	0.01	1.3	100	
Styrene	1.380	1.386	0.01	0.4	100	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210611 SAS No.: SDG No.: 210611

Instrument ID: MSL Calibration Date: 08/17/05 Time: 0904

Lab File ID: L3043 Init. Calib. Date(s): 08/05/05 08/05/05

Heated Purge: (Y/N) N Init. Calib. Times: 1154 1331

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

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Bromoform	0.386	0.376	0.1	2.6	100	
Isopropylbenzene	4.045	3.599	0.01	11.0	100	
1,1,2,2-Tetrachloroethane	1.664	1.618	0.3	2.8	100	
Bromobenzene	1.259	1.171	0.01	7.0	100	
1,2,3-Trichloropropane	0.468	0.465	0.01	0.6	100	
trans-1,4-Dichloro-2-Butene	0.440	0.440	0.01	0.0	100	
n-Propylbenzene	4.748	4.211	0.01	11.3	100	
2-Chlorotoluene	3.106	2.927	0.01	5.8	100	
4-Chlorotoluene	3.281	2.964	0.01	9.7	100	
1,3,5-Trimethylbenzene	3.084	2.739	0.01	11.2	100	
tert-Butylbenzene	2.417	2.112	0.01	12.6	100	
1,2,4-Trimethylbenzene	3.196	2.857	0.01	10.6	100	
sec-Butylbenzene	3.346	2.876	0.01	14.0	100	
4-Isopropyltoluene	2.842	2.481	0.01	12.7	100	
1,3-Dichlorobenzene	1.951	1.754	0.01	10.1	100	
1,4-Dichlorobenzene	2.043	1.869	0.01	8.5	100	
1,2-Dichlorobenzene	1.956	1.744	0.01	10.8	100	
Benzyl Chloride	0.585	0.521	0.01	10.9	100	
Pentachloroethane					100	<-
n-Butylbenzene	5.337	4.736	0.01	11.3	100	
Hexachloroethane					100	<-
1,2-Dibromo-3-chloropropane	0.295	0.263	0.01	10.8	100	
Nitrobenzene	0.063	0.085	0.01	34.9	100	
1,2,4-Trichlorobenzene	0.899	0.737	0.01	18.0	100	
Hexachlorobutadiene	0.301	0.239	0.01	20.6	100	
Naphthalene	2.956	2.557	0.01	13.5	100	
1,2,3-Trichlorobenzene	0.779	0.647	0.01	16.9	100	
Xylene (total)	0.786	0.795	0.01	1.1	100	
1,2-Dichloroethene (total)	0.478	0.441	0.01	7.7	100	
Methyl Cyclohexane	0.266	0.215	0.01	19.2	100	
Cyclohexane	0.306	0.264	0.01	13.7	100	
Methyl Acetate	0.965	0.982	0.01	1.8	100	
Heptane					40.0	<-
Acetonitrile	0.074	0.069	0.001	6.8	100	
Isobutyl alcohol	0.013	0.014	0.001	7.7	100	
n-Butyl Acetate			0.01		100	<-
Dichlorofluoromethane	0.850	0.803	0.01	5.5	100	

FORM VII VOA

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210611 SAS No.: SDG No.: 210611

Instrument ID: MSL Calibration Date: 08/17/05 Time: 0904

Lab File ID: L3043 Init. Calib. Date(s): 08/05/05 08/05/05

Heated Purge: (Y/N) N Init. Calib. Times: 1154 1331

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

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1-Bromopropane	0.628	0.611	0.01	2.7	100
Dibromofluoromethane	0.296	0.262	0.01	11.5	100
1,2-Dichloroethane-d4	0.381	0.321	0.01	15.7	100
Toluene-d8	1.132	1.096	0.01	3.2	100
Bromofluorobenzene	0.996	0.851	0.01	14.6	100

FORM VII VOA

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\FILES\chem\VOA\msl.i\L053043.b\L3043.D
Lab Smp Id: VSTD050LA Client Smp ID: VSTD050LA
Inj Date : 17-AUG-2005 09:04 MS Autotune Date: 26-APR-2004 14:21
Operator : D. HUMBERT Inst ID: msl.i
Smp Info : VSTD050LA
Misc Info : : ;;; VSTD050LA ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msl.i\L053043.b\L8260BFW.m
Meth Date : 17-Aug-2005 14:54 dave Quant Type: ISTD
Cal Date : 05-AUG-2005 13:31 Cal File: L2715.D
Als bottle: 100 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: CONMSLNT

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

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

D.H. 8/17/05

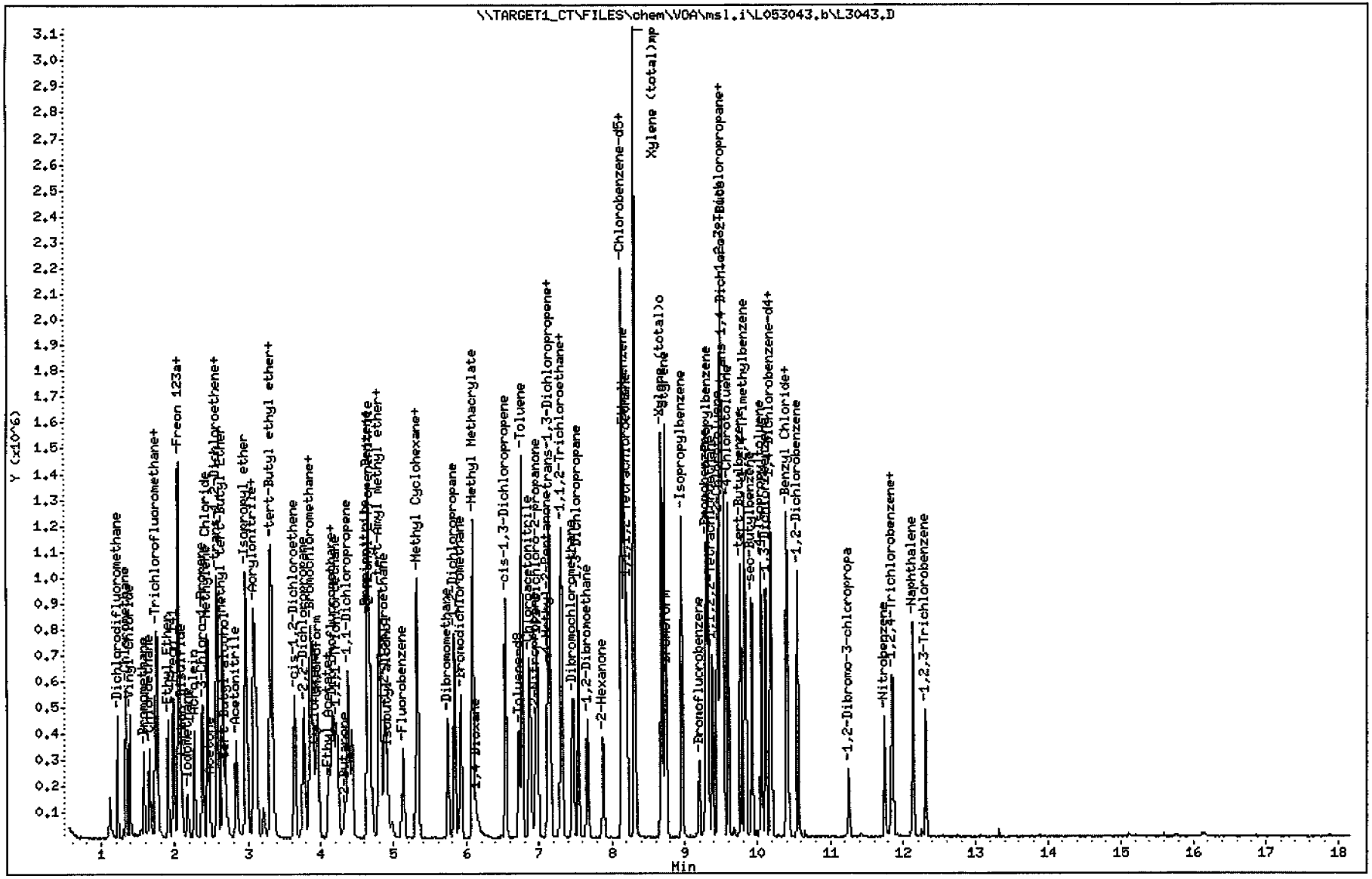
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 1 Fluorobenzene	96	5.123	5.123	(1.000)	320911	25.0000	
2 Dichlorodifluoromethane	85	1.218	1.218	(0.238)	237566	50.0000	48
3 Chloromethane	50	1.336	1.336	(0.261)	316740	50.0000	47
4 Vinyl Chloride	62	1.385	1.385	(0.270)	285689	50.0000	48
5 Bromomethane	94	1.572	1.572	(0.307)	126610	50.0000	32
6 Chloroethane	64	1.651	1.651	(0.322)	193061	50.0000	51
7 Trichlorofluoromethane	101	1.739	1.739	(0.340)	354566	50.0000	48
8 Dichlorofluoromethane	67	1.759	1.759	(0.343)	515354	50.0000	47
9 Ethyl Ether	45	1.916	1.916	(0.374)	148907	50.0000	47
10 Freon 141	81	1.985	1.985	(0.388)	337736	50.0000	48
11 Freon 123a	67	2.054	2.054	(0.401)	72224	50.0000	47
12 Trichlorotrifluoroethane	101	2.074	2.074	(0.405)	178263	50.0000	46
13 1,1-Dichloroethene	96	2.064	2.064	(0.403)	213845	50.0000	45
14 Carbon Disulfide	76	2.103	2.103	(0.411)	192845	50.0000	42
15 Iodomethane	142	2.172	2.172	(0.424)	168655	50.0000	37
16 3-Chloro-1-Propene	41	2.379	2.379	(0.464)	301766	50.0000	46
17 Methylene Chloride	84	2.448	2.448	(0.478)	319923	50.0000	42
18 Acetone	43	2.477	2.477	(0.484)	133033	50.0000	41
19 trans-1,2-Dichloroethene	96	2.585	2.585	(0.505)	264640	50.0000	45
20 Methyl tert-Butyl Ether	73	2.654	2.654	(0.518)	792437	50.0000	48
21 Acrolein	56	2.271	2.271	(0.443)	290279	250.000	700
22 tert-Butyl alcohol	59	2.693	2.693	(0.526)	257427	250.000	270

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	23 Methyl Acetate	43	2.566	2.566	(0.501)	630419	50.0000	51
	24 Acetonitrile	41	2.831	2.831	(0.553)	444853	500.000	470
	25 Isopropyl ether	45	2.969	2.969	(0.580)	1079637	50.0000	50
	26 tert-Butyl ethyl ether	59	3.323	3.323	(0.649)	970504	50.0000	49
	27 Acrylonitrile	53	3.077	3.077	(0.601)	450886	100.000	100
	28 2-Chloro-1,3-Butadiene	88	3.077	3.077	(0.601)	196062	50.0000	46
	29 1,1-Dichloroethane	63	3.097	3.097	(0.605)	541674	50.0000	49
	30 Vinyl Acetate	43	3.313	3.313	(0.647)	769163	50.0000	44
	31 cis-1,2-Dichloroethene	96	3.648	3.648	(0.712)	300979	50.0000	47
	32 2,2-Dichloropropane	77	3.766	3.766	(0.735)	433133	50.0000	52
	33 Bromochloromethane	128	3.874	3.874	(0.756)	154172	50.0000	45
	34 1-Bromopropane	43	3.864	3.864	(0.754)	392286	50.0000	49
	35 Chloroform	83	3.962	3.962	(0.773)	510628	50.0000	49
	36 Ethyl Acetate	43	4.110	4.110	(0.802)	44418	100.000	85
	37 Methyl Acrylate	55	4.120	4.120	(0.804)	287011	50.0000	47
$	38 Dibromofluoromethane	111	4.179	4.179	(0.816)	83923	25.0000	22
	39 Tetrahydrofuran	42	4.179	4.179	(0.816)	169653	100.000	87
	40 1,1,1-Trichloroethane	97	4.228	4.228	(0.825)	358442	50.0000	48
	41 Carbon Tetrachloride	117	4.159	4.159	(0.812)	278341	50.0000	46
	42 2-Butanone	43	4.326	4.326	(0.844)	173817	50.0000	45
	43 1,1-Dichloropropene	75	4.375	4.375	(0.854)	378418	50.0000	48
	44 Cyclohexane	84	3.913	3.913	(0.764)	169479	50.0000	43
	45 tert-Amyl methyl ether	73	4.808	4.808	(0.939)	900183	50.0000	48
	46 tert-Butyl formate	57	4.808	4.808	(0.939)	18342	50.0000	10
	47 1-Chlorobutane	56	3.903	3.903	(0.762)	183366	50.0000	42
	48 Propionitrile	54	4.641	4.641	(0.906)	482363	500.000	470
	49 Isobutyl alcohol	42	4.906	4.906	(0.958)	92179	500.000	550
	50 Benzene	78	4.661	4.661	(0.910)	1027932	50.0000	47
	51 2-Methyl-2-Propenenitrile	41	4.680	4.680	(0.914)	229338	50.0000	46
$	52 1,2-Dichloroethane-d4	65	4.808	4.808	(0.939)	103132	25.0000	21
	53 1,2-Dichloroethane	62	4.877	4.877	(0.952)	422637	50.0000	50
	57 Methyl Cyclohexane	83	5.320	5.320	(1.038)	138163	50.0000	40
	58 Trichloroethene	130	5.320	5.320	(1.038)	261714	50.0000	48
	59 Dibromomethane	93	5.742	5.742	(1.121)	198908	50.0000	48
	60 1,2-Dichloropropane	63	5.841	5.841	(1.140)	298643	50.0000	47
	61 Bromodichloromethane	83	5.919	5.919	(1.155)	360647	50.0000	47
	62 Methyl Methacrylate	69	6.087	6.087	(1.188)	421520	100.000	92
	63 1,4-Dioxane	58	6.126	6.126	(1.196)	122283	2500.00	2400
	65 cis-1,3-Dichloropropene	75	6.539	6.539	(1.276)	480036	50.0000	49
	66 2-Nitropropane	41	6.962	6.962	(1.359)	231040	100.000	100
	67 Chloroacetonitrile	48	6.874	6.874	(1.342)	282563	1000.00	1000
	68 trans-1,3-Dichloropropene	75	7.159	7.159	(1.397)	459927	50.0000	49
	69 1,1,2-Trichloroethane	97	7.306	7.306	(1.426)	248090	50.0000	46
*	70 Chlorobenzene-d5	117	8.132	8.132	(1.000)	239508	25.0000	
	71 Toluene	91	6.765	6.765	(0.832)	1019130	50.0000	52
$	72 Toluene-d8	98	6.726	6.726	(0.827)	262610	25.0000	24
	73 1,1-Dichloro-2-propanone	43	6.982	6.982	(0.859)	1040320	250.000	260
	74 4-Methyl-2-Pentanone	43	7.119	7.119	(0.875)	341394	50.0000	51
	75 Tetrachloroethene	164	7.139	7.139	(0.878)	160800	50.0000	49
	76 Ethyl Methacrylate	69	7.316	7.316	(0.900)	401044	50.0000	52
	77 Dibromochloromethane	129	7.473	7.473	(0.919)	284495	50.0000	51
	78 1,3-Dichloropropane	76	7.542	7.542	(0.927)	473548	50.0000	53
	79 1,2-Dibromoethane	107	7.670	7.670	(0.943)	287098	50.0000	51
	81 2-Hexanone	43	7.877	7.877	(0.969)	253194	50.0000	51

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	82 1-Chlorohexane	91	8.142	8.142	(1.001)	221222	50.0000	43
	83 Chlorobenzene	112	8.152	8.152	(1.002)	658161	50.0000	53
	84 1,1,1,2-Tetrachloroethane	131	8.211	8.211	(1.010)	235317	50.0000	52
	85 Ethylbenzene	106	8.182	8.182	(1.006)	299376	50.0000	50
	86 Xylene (total)mp	106	8.310	8.310	(1.022)	764305	100.000	100
	87 Xylene (total)o	106	8.683	8.683	(1.068)	378793	50.0000	51
	88 Styrene	104	8.732	8.732	(1.074)	663983	50.0000	50
	89 Bromoform	173	8.752	8.752	(1.076)	179985	50.0000	48
*	90 1,4-Dichlorobenzene-d4	152	10.178	10.178	(1.000)	110412	25.0000	
	91 Isopropylbenzene	105	8.959	8.959	(0.880)	794664	50.0000	44
	92 1,1,2,2-Tetrachloroethane	83	9.382	9.382	(0.922)	357254	50.0000	49
	93 Bromobenzene	156	9.293	9.293	(0.913)	258661	50.0000	46
	94 1,2,3-Trichloropropane	110	9.500	9.500	(0.933)	102629	50.0000	50
	95 trans-1,4-Dichloro-2-Butene	53	9.529	9.529	(0.936)	194282	100.000	100
	96 n-Propylbenzene	91	9.323	9.323	(0.916)	929922	50.0000	44
	97 2-Chlorotoluene	91	9.460	9.460	(0.929)	646346	50.0000	47
	98 4-Chlorotoluene	91	9.598	9.598	(0.943)	654575	50.0000	45
	99 1,3,5-Trimethylbenzene	105	9.500	9.500	(0.933)	604860	50.0000	44
	100 tert-Butylbenzene	119	9.775	9.775	(0.960)	466285	50.0000	44
	101 1,2,4-Trimethylbenzene	105	9.834	9.834	(0.966)	630810	50.0000	45
	102 sec-Butylbenzene	105	9.932	9.932	(0.976)	635062	50.0000	43
	103 4-Isopropyltoluene	119	10.050	10.050	(0.987)	547899	50.0000	44
	104 1,3-Dichlorobenzene	146	10.119	10.119	(0.994)	387384	50.0000	45
	105 1,4-Dichlorobenzene	146	10.198	10.198	(1.002)	412746	50.0000	46
	106 1,2-Dichlorobenzene	146	10.562	10.562	(1.038)	385166	50.0000	44
	107 Benzyl Chloride	126	10.404	10.404	(1.022)	115088	50.0000	44
	108 n-Butylbenzene	91	10.404	10.404	(1.022)	1045755	50.0000	44
	111 1,2-Dibromo-3-chloropropane	75	11.250	11.250	(1.105)	58115	50.0000	45
	112 Nitrobenzene	77	11.742	11.742	(1.154)	188678	500.000	680
	113 1,2,4-Trichlorobenzene	180	11.860	11.860	(1.165)	162740	50.0000	41
	114 Hexachlorobutadiene	225	11.840	11.840	(1.163)	52883	50.0000	40
	115 Naphthalene	128	12.136	12.136	(1.192)	564576	50.0000	43
	116 1,2,3-Trichlorobenzene	180	12.303	12.303	(1.209)	142813	50.0000	41
$	117 Bromofluorobenzene	95	9.205	9.205	(0.904)	93970	25.0000	21
M	118 1,2-Dichloroethene (total)	100				565619	100.000	92
M	119 Xylene (total)	100				1143098	150.000	150

Data File: \\TARGET1_CT\FILES\chem\VOA\ms1.i\L053043.b\L3043.D
Date : 17-AUG-2005 09:04
Client ID: VSTD050LA
Sample Info: VSTD050LA
Purge Volume: 5.0
Column phase: RTX-624

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



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7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210611 SAS No.: SDG No.: 210611

Instrument ID: MSL Calibration Date: 08/30/05 Time: 0849

Lab File ID: L3304 Init. Calib. Date(s): 08/05/05 08/05/05

Heated Purge: (Y/N) N Init. Calib. Times: 1154 1331

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

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Dichlorodifluoromethane	0.382	0.342	0.01	10.5	100	
Chloromethane	0.529	0.452	0.1	14.6	100	
Vinyl Chloride	0.467	0.426	0.01	8.8	20.0	
Bromomethane	0.305	0.309	0.01	1.3	100	
Chloroethane	0.296	0.276	0.01	6.8	100	
Trichlorofluoromethane	0.569	0.539	0.01	5.3	100	
Ethyl Ether	0.244	0.226	0.01	7.4	100	
Freon 141	0.552	0.518	0.01	6.2	100	
Freon 123a	0.121	0.105	0.01	13.2	100	
Trichlorotrifluoroethane	0.305	0.267	0.01	12.4	100	
Acrolein	0.032	0.079	0.001	146.9	100	<-
1,1-Dichloroethene	0.366	0.332	0.01	9.3	20.0	
Acetone	0.255	0.213	0.01	16.5	100	
Iodomethane	0.351	0.191	0.01	45.6	100	
Carbon Disulfide	0.361	0.312	0.01	13.6	100	
3-Chloro-1-Propene	0.505	0.442	0.01	12.5	100	
tert-Butyl alcohol	0.073	0.078	0.001	6.8	100	
Methylene Chloride	0.587	0.458	0.01	22.0	100	
Methyl tert-Butyl Ether	1.287	1.163	0.01	9.6	100	
Ethyl Acetate	0.041	0.032	0.01	22.0	100	
trans-1,2-Dichloroethene	0.460	0.398	0.01	13.5	100	
Acrylonitrile	0.345	0.326	0.01	5.5	100	
Isopropyl ether	1.698	1.559		8.2	100	
1,1-Dichloroethane	0.864	0.792	0.1	8.3	100	
tert-Butyl ethyl ether	1.542	1.439		6.7	100	
2,2-Dichloropropane	0.649	0.642	0.01	1.1	100	
cis-1,2-Dichloroethene	0.496	0.447	0.01	9.9	100	
2-Butanone	0.298	0.260	0.01	12.8	100	
Methyl Acrylate	0.472	0.426	0.01	9.7	100	
Propionitrile	0.080	0.070	0.01	12.5	100	
Bromochloromethane	0.266	0.234	0.01	12.0	100	
2-Methyl-2-Propenenitrile	0.384	0.343	0.01	10.7	100	
Tetrahydrofuran	0.152	0.126	0.01	17.1	100	
Chloroform	0.814	0.752	0.01	7.6	20.0	
tert-Butyl formate	0.138	0.024		82.6	100	
1,1,1-Trichloroethane	0.577	0.533	0.01	7.6	100	
1-Chlorobutane	0.337	0.273	0.01	19.0	100	

FORM VII VOA

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210611 SAS No.: SDG No.: 210611

Instrument ID: MSL Calibration Date: 08/30/05 Time: 0849

Lab File ID: L3304 Init. Calib. Date(s): 08/05/05 08/05/05

Heated Purge: (Y/N) N Init. Calib. Times: 1154 1331

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

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Carbon Tetrachloride	0.467	0.417	0.01	10.7	100	
Chloroacetonitrile	0.022	0.021	0.001	4.5	100	
1,1-Dichloropropene	0.613	0.567	0.01	7.5	100	
Benzene	1.687	1.520	0.01	9.9	100	
tert-Amyl methyl ether	1.449	1.338		7.7	100	
1,2-Dichloroethane	0.657	0.625	0.01	4.9	100	
2-Chloro-1,3-Butadiene	0.331	0.303	0.01	8.4	100	
Vinyl Acetate	1.363	1.149	0.01	15.7	100	
2,4,4-Trimethyl 1-Pentene					100	<-
Trichloroethene	0.427	0.395	0.01	7.5	100	
2,4,4-Trimethyl 2-Pentene					100	<-
1,2-Dichloropropane	0.491	0.428	0.01	12.8	20.0	
Methyl Methacrylate	0.355	0.317	0.01	10.7	100	
1,4-Dioxane	0.004	0.004	0.001	0.0	100	
Dibromomethane	0.325	0.296	0.01	8.9	100	
Bromodichloromethane	0.599	0.542	0.01	9.5	100	
2-Nitropropane	0.180	0.172	0.01	4.4	100	
2-Chloroethylvinylether	0.214	0.051	0.001	76.2	100	
cis-1,3-Dichloropropene	0.767	0.714	0.01	6.9	100	
trans-1,3-Dichloropropene	0.729	0.684	0.01	6.2	100	
1,1,2-Trichloroethane	0.418	0.371	0.01	11.2	100	
4-Methyl-2-Pentanone	0.699	0.611	0.01	12.6	100	
Toluene	2.047	1.744	0.01	14.8	20.0	
Ethyl Methacrylate	0.802	0.708	0.01	11.7	100	
Tetrachloroethene	0.342	0.279	0.01	18.4	100	
1,3-Dichloropropane	0.925	0.822	0.01	11.1	100	
2-Hexanone	0.517	0.438	0.01	15.3	100	
Dibromochloromethane	0.581	0.495	0.01	14.8	100	
1,2-Dibromoethane	0.588	0.504	0.01	14.3	100	
1,1-Dichloro-2-propanone	0.413	0.373	0.01	9.7	100	
1-Chlorohexane	0.532	0.425	0.01	20.1	100	
Chlorobenzene	1.304	1.164	0.3	10.7	100	
1,1,1,2-Tetrachloroethane	0.476	0.401	0.01	15.8	100	
Ethylbenzene	0.624	0.521	0.01	16.5	20.0	
Xylene (total)mp	0.789	0.667	0.01	15.5	100	
Xylene (total)o	0.781	0.662	0.01	15.2	100	
Styrene	1.380	1.196	0.01	13.3	100	

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210611 SAS No.: SDG No.: 210611

Instrument ID: MSL Calibration Date: 08/30/05 Time: 0849

Lab File ID: L3304 Init. Calib. Date(s): 08/05/05 08/05/05

Heated Purge: (Y/N) N Init. Calib. Times: 1154 1331

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

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D	
Bromoform	0.386	0.315	0.1	18.4	100	
Isopropylbenzene	4.045	3.118	0.01	22.9	100	
1,1,2,2-Tetrachloroethane	1.664	1.347	0.3	19.0	100	
Bromobenzene	1.259	0.996	0.01	20.9	100	
1,2,3-Trichloropropane	0.468	0.389	0.01	16.9	100	
trans-1,4-Dichloro-2-Butene	0.440	0.369	0.01	16.1	100	
n-Propylbenzene	4.748	3.546	0.01	25.3	100	
2-Chlorotoluene	3.106	2.498	0.01	19.6	100	
4-Chlorotoluene	3.281	2.552	0.01	22.2	100	
1,3,5-Trimethylbenzene	3.084	2.335	0.01	24.3	100	
tert-Butylbenzene	2.417	1.774	0.01	26.6	100	
1,2,4-Trimethylbenzene	3.196	2.363	0.01	26.1	100	
sec-Butylbenzene	3.346	2.382	0.01	28.8	100	
4-Isopropyltoluene	2.842	2.101	0.01	26.1	100	
1,3-Dichlorobenzene	1.951	1.490	0.01	23.6	100	
1,4-Dichlorobenzene	2.043	1.548	0.01	24.2	100	
1,2-Dichlorobenzene	1.956	1.521	0.01	22.2	100	
Benzyl Chloride	0.585	0.470	0.01	19.6	100	
Pentachloroethane					100	<-
n-Butylbenzene	5.337	4.126	0.01	22.7	100	
Hexachloroethane					100	<-
1,2-Dibromo-3-chloropropane	0.295	0.226	0.01	23.4	100	
Nitrobenzene	0.063	0.075	0.01	19.0	100	
1,2,4-Trichlorobenzene	0.899	0.608	0.01	32.4	100	
Hexachlorobutadiene	0.301	0.195	0.01	35.2	100	
Naphthalene	2.956	2.093	0.01	29.2	100	
1,2,3-Trichlorobenzene	0.779	0.538	0.01	30.9	100	
Xylene (total)	0.786	0.665	0.01	15.4	100	
1,2-Dichloroethene (total)	0.478	0.423	0.01	11.5	100	
Methyl Cyclohexane	0.266	0.197	0.01	25.9	100	
Cyclohexane	0.306	0.251	0.01	18.0	100	
Methyl Acetate	0.965	0.892	0.01	7.6	100	
Heptane					40.0	<-
Acetonitrile	0.074	0.067	0.001	9.4	100	
Isobutyl alcohol	0.013	0.015	0.001	15.4	100	
n-Butyl Acetate			0.01		100	<-
Dichlorofluoromethane	0.850	0.776	0.01	8.7	100	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210611 SAS No.: SDG No.: 210611

Instrument ID: MSL Calibration Date: 08/30/05 Time: 0849

Lab File ID: L3304 Init. Calib. Date(s): 08/05/05 08/05/05

Heated Purge: (Y/N) N Init. Calib. Times: 1154 1331

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

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1-Bromopropane	0.628	0.589	0.01	6.2	100
Dibromofluoromethane	0.296	0.291	0.01	1.7	100
1,2-Dichloroethane-d4	0.381	0.360	0.01	5.5	100
Toluene-d8	1.132	1.075	0.01	5.0	100
Bromofluorobenzene	0.996	0.852	0.01	14.4	100

FORM VII VOA

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\FILES\chem\VOA\msl.i\L053304.b\L3304.D
Lab Smp Id: VSTD050LQ Client Smp ID: VSTD050LQ
Inj Date : 30-AUG-2005 08:49 MS Autotune Date: 26-APR-2004 14:21
Operator : D. HUMBERT Inst ID: msl.i
Smp Info : VSTD050LQ
Misc Info : : ;;; VSTD050LQ ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msl.i\L053304.b\L8260BFW.m
Meth Date : 30-Aug-2005 14:11 dave Quant Type: ISTD
Cal Date : 05-AUG-2005 13:31 Cal File: L2715.D
Als bottle: 53 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: CONMSLNT

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

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

DJH 8/30/05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 1 Fluorobenzene	96	5.126	5.126	(1.000)	310268	25.0000	
2 Dichlorodifluoromethane	85	1.221	1.221	(0.238)	212338	50.0000	45
3 Chloromethane	50	1.329	1.329	(0.259)	280686	50.0000	43
4 Vinyl Chloride	62	1.378	1.378	(0.269)	264204	50.0000	46
5 Bromomethane	94	1.575	1.575	(0.307)	191715	50.0000	51
6 Chloroethane	64	1.654	1.654	(0.323)	171306	50.0000	47
7 Trichlorofluoromethane	101	1.742	1.742	(0.340)	334284	50.0000	47
8 Dichlorofluoromethane	67	1.752	1.752	(0.342)	481533	50.0000	46
9 Ethyl Ether	45	1.909	1.909	(0.373)	140282	50.0000	46
10 Freon 141	81	1.978	1.978	(0.386)	321785	50.0000	47
11 Freon 123a	67	2.057	2.057	(0.401)	65302	50.0000	44
12 Trichlorotrifluoroethane	101	2.077	2.077	(0.405)	165490	50.0000	44
13 1,1-Dichloroethene	96	2.057	2.057	(0.401)	205849	50.0000	45
14 Carbon Disulfide	76	2.106	2.106	(0.411)	193627	50.0000	43
15 Iodomethane	142	2.165	2.165	(0.422)	118732	50.0000	27
16 3-Chloro-1-Propene	41	2.372	2.372	(0.463)	274195	50.0000	44
17 Methylene Chloride	84	2.450	2.450	(0.478)	284152	50.0000	39
18 Acetone	43	2.470	2.470	(0.482)	131965	50.0000	42
19 trans-1,2-Dichloroethene	96	2.578	2.578	(0.503)	247189	50.0000	43
20 Methyl tert-Butyl Ether	73	2.657	2.657	(0.518)	721902	50.0000	45
21 Acrolein	56	2.273	2.273	(0.444)	246029	250.000	610
22 tert-Butyl alcohol	59	2.696	2.696	(0.526)	241863	250.000	270

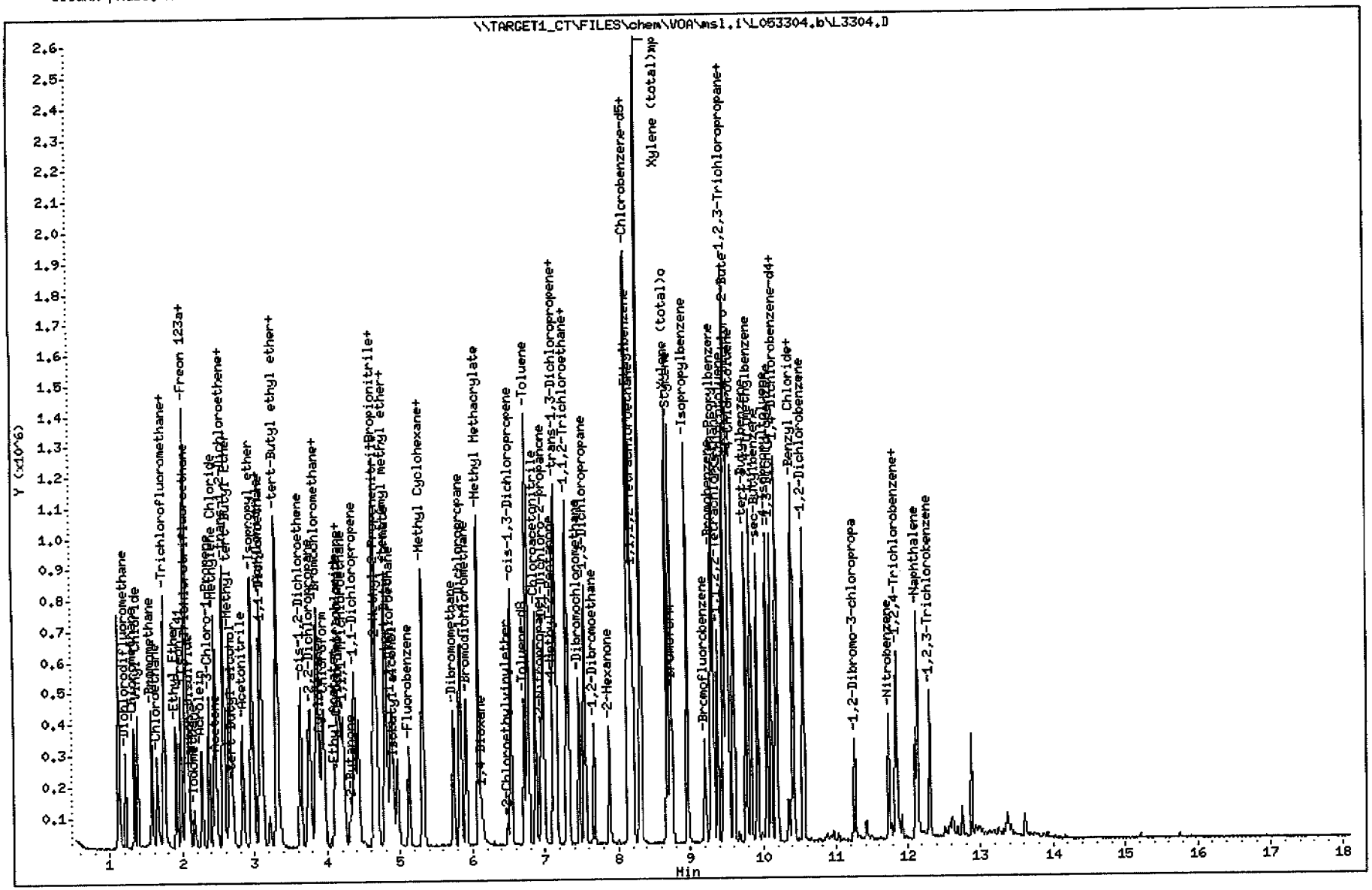
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	23 Methyl Acetate	43	2.568	2.568	(0.501)	553705	50.0000	46
	24 Acetonitrile	41	2.834	2.834	(0.553)	416317	500.000	450
	25 Isopropyl ether	45	2.962	2.962	(0.578)	967719	50.0000	46
	26 tert-Butyl ethyl ether	59	3.316	3.316	(0.647)	893203	50.0000	47
	27 Acrylonitrile	53	3.080	3.080	(0.601)	404128	100.000	94
	28 2-Chloro-1,3-Butadiene	88	3.080	3.080	(0.601)	187794	50.0000	46
	29 1,1-Dichloroethane	63	3.100	3.100	(0.605)	491715	50.0000	46
	30 Vinyl Acetate	43	3.316	3.316	(0.647)	713145	50.0000	42
	31 cis-1,2-Dichloroethene	96	3.641	3.641	(0.710)	277353	50.0000	45
	32 2,2-Dichloropropane	77	3.768	3.768	(0.735)	398423	50.0000	50
	33 Bromochloromethane	128	3.867	3.867	(0.754)	145094	50.0000	44
	34 1-Bromopropane	43	3.857	3.857	(0.752)	365306	50.0000	47
	35 Chloroform	83	3.955	3.955	(0.772)	466967	50.0000	46
	36 Ethyl Acetate	43	4.113	4.113	(0.802)	40298	100.000	80
	37 Methyl Acrylate	55	4.113	4.113	(0.802)	264462	50.0000	45
$	38 Dibromofluoromethane	111	4.181	4.181	(0.816)	90197	25.0000	24
	39 Tetrahydrofuran	42	4.172	4.172	(0.814)	155994	100.000	82
	40 1,1,1-Trichloroethane	97	4.221	4.221	(0.823)	330826	50.0000	46
	41 Carbon Tetrachloride	117	4.152	4.152	(0.810)	258859	50.0000	45
	42 2-Butanone	43	4.329	4.329	(0.845)	161313	50.0000	44
	43 1,1-Dichloropropene	75	4.368	4.368	(0.852)	351629	50.0000	46
	44 Cyclohexane	84	3.906	3.906	(0.762)	155987	50.0000	41
	45 tert-Amyl methyl ether	73	4.801	4.801	(0.937)	830143	50.0000	46
	46 tert-Butyl formate	57	4.821	4.821	(0.941)	14640	50.0000	8
	47 1-Chlorobutane	56	3.896	3.896	(0.760)	169254	50.0000	40
	48 Propionitrile	54	4.644	4.644	(0.906)	436359	500.000	440
	49 Isobutyl alcohol	42	4.909	4.909	(0.958)	91662	500.000	560
	50 Benzene	78	4.663	4.663	(0.910)	942983	50.0000	45
	51 2-Methyl-2-Propenenitrile	41	4.683	4.683	(0.914)	213086	50.0000	45
$	52 1,2-Dichloroethane-d4	65	4.801	4.801	(0.937)	111547	25.0000	24
	53 1,2-Dichloroethane	62	4.880	4.880	(0.952)	387912	50.0000	48
	57 Methyl Cyclohexane	83	5.313	5.313	(1.036)	122190	50.0000	37
	58 Trichloroethene	130	5.322	5.322	(1.038)	245408	50.0000	46
	59 Dibromomethane	93	5.745	5.745	(1.121)	183790	50.0000	46
	60 1,2-Dichloropropane	63	5.844	5.844	(1.140)	265758	50.0000	44
	61 Bromodichloromethane	83	5.922	5.922	(1.155)	336465	50.0000	45
	62 Methyl Methacrylate	69	6.090	6.090	(1.188)	393721	100.000	89
	63 1,4-Dioxane	58	6.129	6.129	(1.196)	109672	2500.00	2200
	64 2-Chloroethylvinylether	63	6.483	6.483	(1.265)	31474	50.0000	12
	65 cis-1,3-Dichloropropene	75	6.542	6.542	(1.276)	442949	50.0000	46
	66 2-Nitropropane	41	6.955	6.955	(1.357)	213453	100.000	96
	67 Chloroacetonitrile	48	6.876	6.876	(1.342)	262734	1000.00	980
	68 trans-1,3-Dichloropropene	75	7.152	7.152	(1.395)	424281	50.0000	47
	69 1,1,2-Trichloroethane	97	7.299	7.299	(1.424)	230110	50.0000	44
*	70 Chlorobenzene-d5	117	8.135	8.135	(1.000)	261978	25.0000	
	71 Toluene	91	6.768	6.768	(0.832)	913761	50.0000	42
$	72 Toluene-d8	98	6.719	6.719	(0.826)	281634	25.0000	24
	73 1,1-Dichloro-2-propanone	43	6.985	6.985	(0.859)	977962	250.000	230
	74 4-Methyl-2-Pentanone	43	7.112	7.112	(0.874)	320390	50.0000	44
	75 Tetrachloroethene	164	7.142	7.142	(0.878)	146006	50.0000	41
	76 Ethyl Methacrylate	69	7.319	7.319	(0.900)	371117	50.0000	44
	77 Dibromochloromethane	129	7.467	7.467	(0.918)	259208	50.0000	42
	78 1,3-Dichloropropane	76	7.545	7.545	(0.927)	430720	50.0000	44
	79 1,2-Dibromoethane	107	7.673	7.673	(0.943)	264364	50.0000	43

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
81	2-Hexanone	43	7.880	7.880	(0.969)	229735	50.0000	42
82	1-Chlorohexane	91	8.135	8.135	(1.000)	222822	50.0000	40
83	Chlorobenzene	112	8.145	8.145	(1.001)	609758	50.0000	45
84	1,1,1,2-Tetrachloroethane	131	8.204	8.204	(1.008)	209937	50.0000	42
85	Ethylbenzene	106	8.175	8.175	(1.005)	273160	50.0000	42
86	Xylene (total)mp	106	8.312	8.312	(1.022)	698997	100.000	84
87	Xylene (total)o	106	8.686	8.686	(1.068)	346939	50.0000	42
88	Styrene	104	8.735	8.735	(1.074)	626714	50.0000	43
89	Bromoform	173	8.755	8.755	(1.076)	165263	50.0000	41
* 90	1,4-Dichlorobenzene-d4	152	10.181	10.181	(1.000)	119477	25.0000	
91	Isopropylbenzene	105	8.962	8.962	(0.880)	745039	50.0000	38
92	1,1,2,2-Tetrachloroethane	83	9.384	9.384	(0.922)	321926	50.0000	40
93	Bromobenzene	156	9.296	9.296	(0.913)	238075	50.0000	40
94	1,2,3-Trichloropropane	110	9.493	9.493	(0.932)	92935	50.0000	42
95	trans-1,4-Dichloro-2-Butene	53	9.532	9.532	(0.936)	176432	100.000	84
96	n-Propylbenzene	91	9.325	9.325	(0.916)	847268	50.0000	37
97	2-Chlorotoluene	91	9.453	9.453	(0.928)	597019	50.0000	40
98	4-Chlorotoluene	91	9.601	9.601	(0.943)	609790	50.0000	39
99	1,3,5-Trimethylbenzene	105	9.493	9.493	(0.932)	557903	50.0000	38
100	tert-Butylbenzene	119	9.768	9.768	(0.959)	423933	50.0000	37
101	1,2,4-Trimethylbenzene	105	9.837	9.837	(0.966)	564593	50.0000	37
102	sec-Butylbenzene	105	9.925	9.925	(0.975)	569164	50.0000	36
103	4-Isopropyltoluene	119	10.053	10.053	(0.987)	501982	50.0000	37
104	1,3-Dichlorobenzene	146	10.112	10.112	(0.993)	356033	50.0000	38
105	1,4-Dichlorobenzene	146	10.191	10.191	(1.001)	369908	50.0000	38
106	1,2-Dichlorobenzene	146	10.555	10.555	(1.037)	363463	50.0000	39
107	Benzyl Chloride	126	10.407	10.407	(1.022)	112357	50.0000	40
108	n-Butylbenzene	91	10.407	10.407	(1.022)	985979	50.0000	39
111	1,2-Dibromo-3-chloropropane	75	11.253	11.253	(1.105)	53987	50.0000	38
112	Nitrobenzene	77	11.735	11.735	(1.153)	178331	500.000	590
113	1,2,4-Trichlorobenzene	180	11.853	11.853	(1.164)	145191	50.0000	34
114	Hexachlorobutadiene	225	11.843	11.843	(1.163)	46637	50.0000	32
115	Naphthalene	128	12.138	12.138	(1.192)	500244	50.0000	35
116	1,2,3-Trichlorobenzene	180	12.306	12.306	(1.209)	128438	50.0000	34
$ 117	Bromofluorobenzene	95	9.207	9.207	(0.904)	101763	25.0000	21
M 118	1,2-Dichloroethene (total)	100				524542	100.000	88
M 119	Xylene (total)	100				1045936	150.000	130

Data File: \\TARGET1_CT\FILES\chem\WOA\msl.i\L053304.b\L3304.D
Date : 30-AUG-2005 08:49
Client ID: VSTD050LQ
Sample Info: VSTD050LQ
Purge Volume: 5.0
Column phase: RTX-624

Instrument: msl.i

Operator: D. HUMBERT
Column diameter: 0.53



00000091

Data File: \\TARGET1_CT\FILES\chem\VOA\ms1.i\L052710.b\LB634.D

Date : 05-AUG-2005 10:00

Instrument: ms1.i

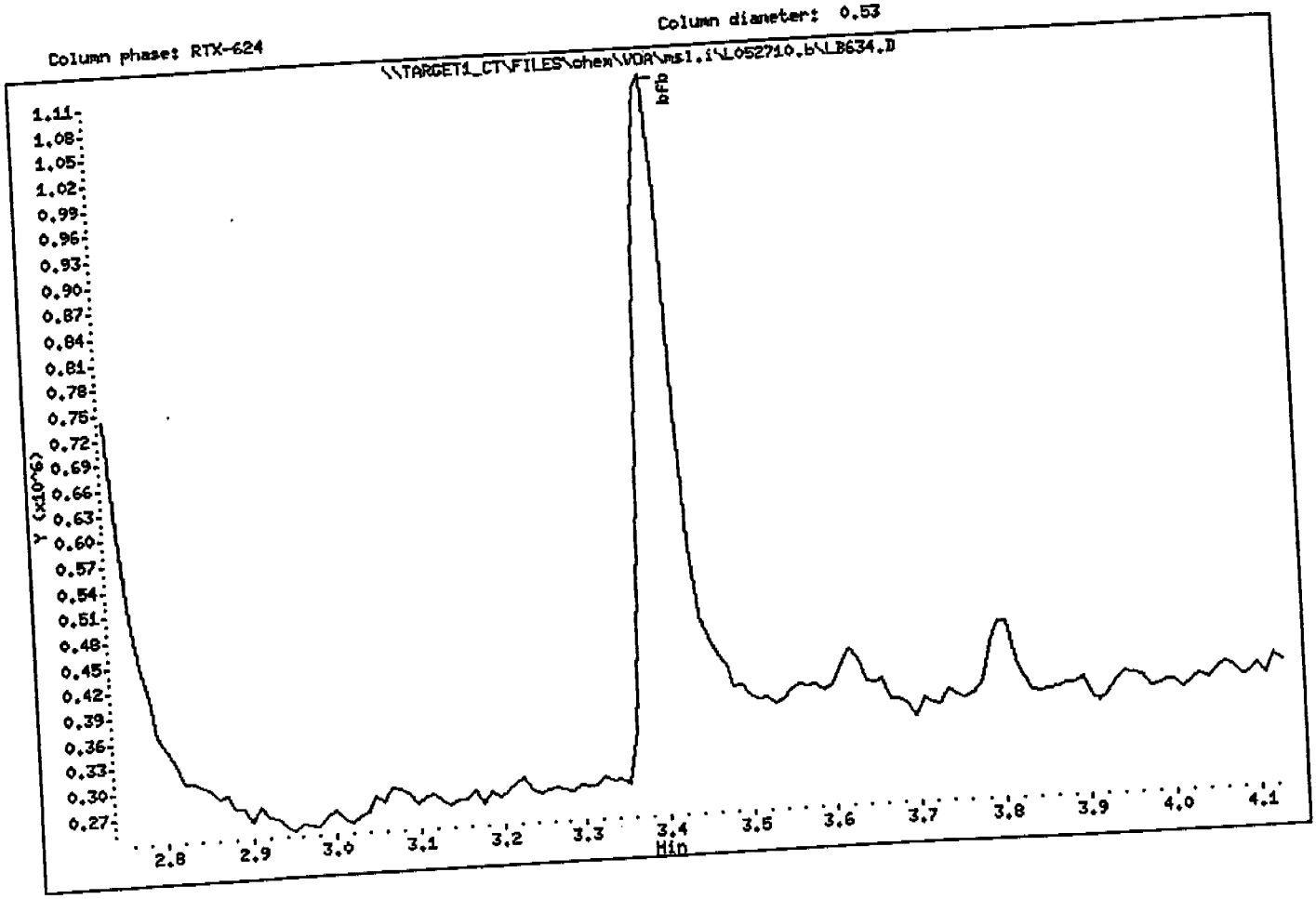
Client ID: BFB

Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column diameter: 0.53

Column phase: RTX-624



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Date : 05-AUG-2005 10:00

Client ID: BFB

Sample Info: 50ng 4-BFB

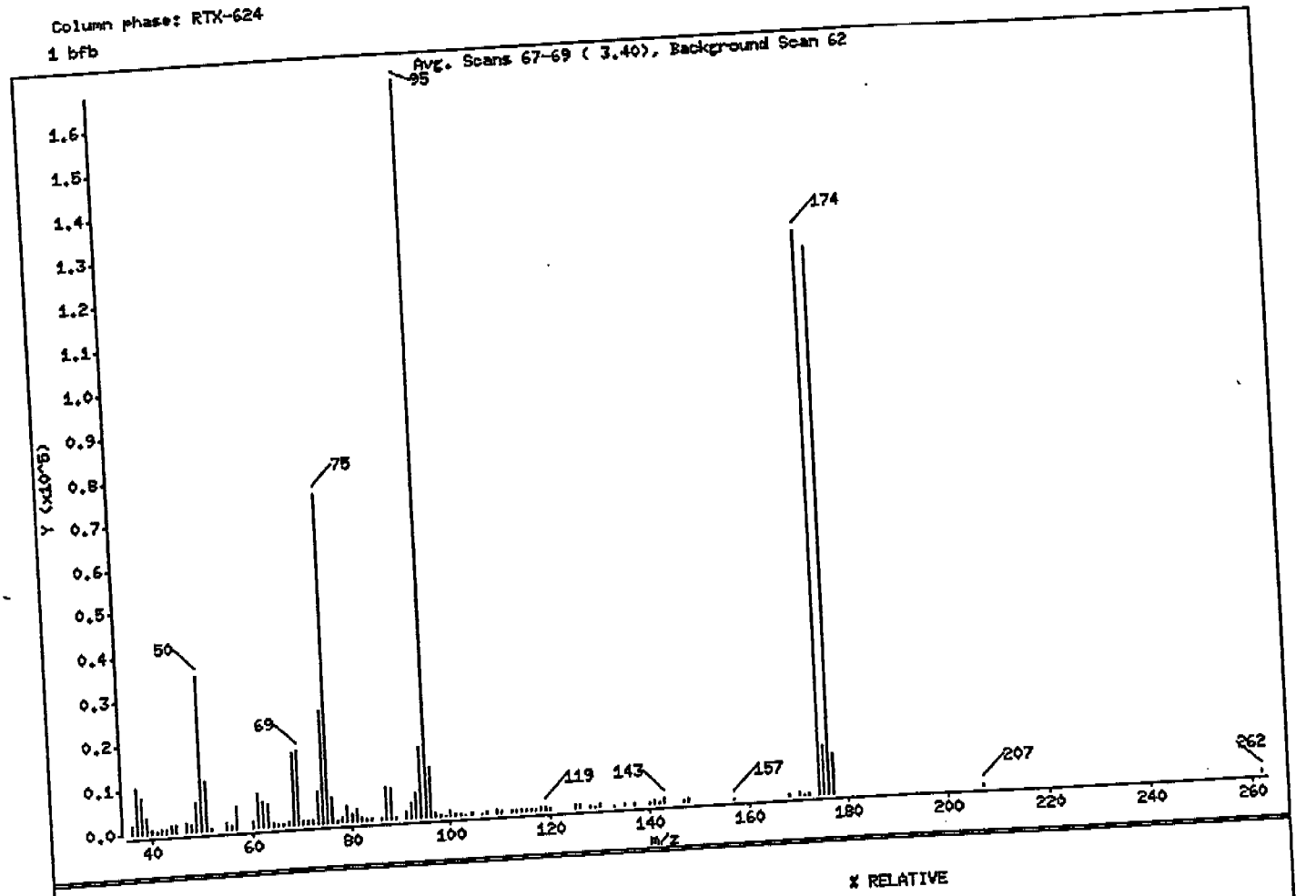
Instrument: ms1.i

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	20.87
75	30.00 - 60.00% of mass 95	44.68
96	5.00 - 9.00% of mass 95	6.70
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	76.47
175	5.00 - 9.00% of mass 174	6.53 (8.54)
176	95.00 - 101.00% of mass 174	74.26 (97.11)
177	5.00 - 9.00% of mass 176	5.21 (7.02)

Data File: \\TARGET1_CT\FILES\chem\VOA\ms1.i\L052710.b\LB634.D

Date : 05-AUG-2005 10:00

Instrument: ms1.i

Client ID: BFB

Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column diameter: 0.53

Column phase: RTX-624

Data File: LB634.D

Spectrum: Avg. Scans 67-69 (3.40), Background Scan 62

Location of Maximum: 95.00

Number of points: 100

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1974	67.00	805	95.00	167744	129.00	97
37.00	10584	68.00	16123	96.00	11244	130.00	795
38.00	7966	69.00	16704	97.00	658	133.00	133
39.00	3373	70.00	636	98.00	300	135.00	441
40.00	586	71.00	861	99.00	56	137.00	348
41.00	409	72.00	597	100.00	1234	140.00	298
42.00	602	73.00	7153	101.00	216	141.00	712
43.00	713	74.00	25312	102.00	210	142.00	214
44.00	1410	75.00	74944	103.00	166	143.00	1003
45.00	1547	76.00	5789	104.00	281	147.00	466
47.00	2064	77.00	327	106.00	97	148.00	762
48.00	1537	78.00	1212	107.00	195	157.00	189
49.00	6547	79.00	3375	109.00	916	168.00	467
50.00	35000	80.00	1373	110.00	289	170.00	749
51.00	11188	81.00	2814	112.00	203	171.00	180
52.00	547	82.00	834	113.00	197	172.00	196
55.00	1401	83.00	387	114.00	245	174.00	128272
56.00	805	84.00	395	115.00	523	175.00	10954
57.00	4970	86.00	555	116.00	490	176.00	124560
60.00	1492	87.00	7300	117.00	570	177.00	8738
61.00	7771	88.00	7096	118.00	696	207.00	225
62.00	5920	89.00	456	119.00	898	262.00	256
63.00	4826	91.00	1542	120.00	348		
64.00	893	92.00	3447	125.00	661		
65.00	213	93.00	5808	126.00	863		
66.00	283	94.00	15939	128.00	215		

Data File: \\TARGET1_CT\FILES\chem\VOA\msl.i\L053043.b\LB644.D

Date : 17-AUG-2005 08:50

Client ID: BFB

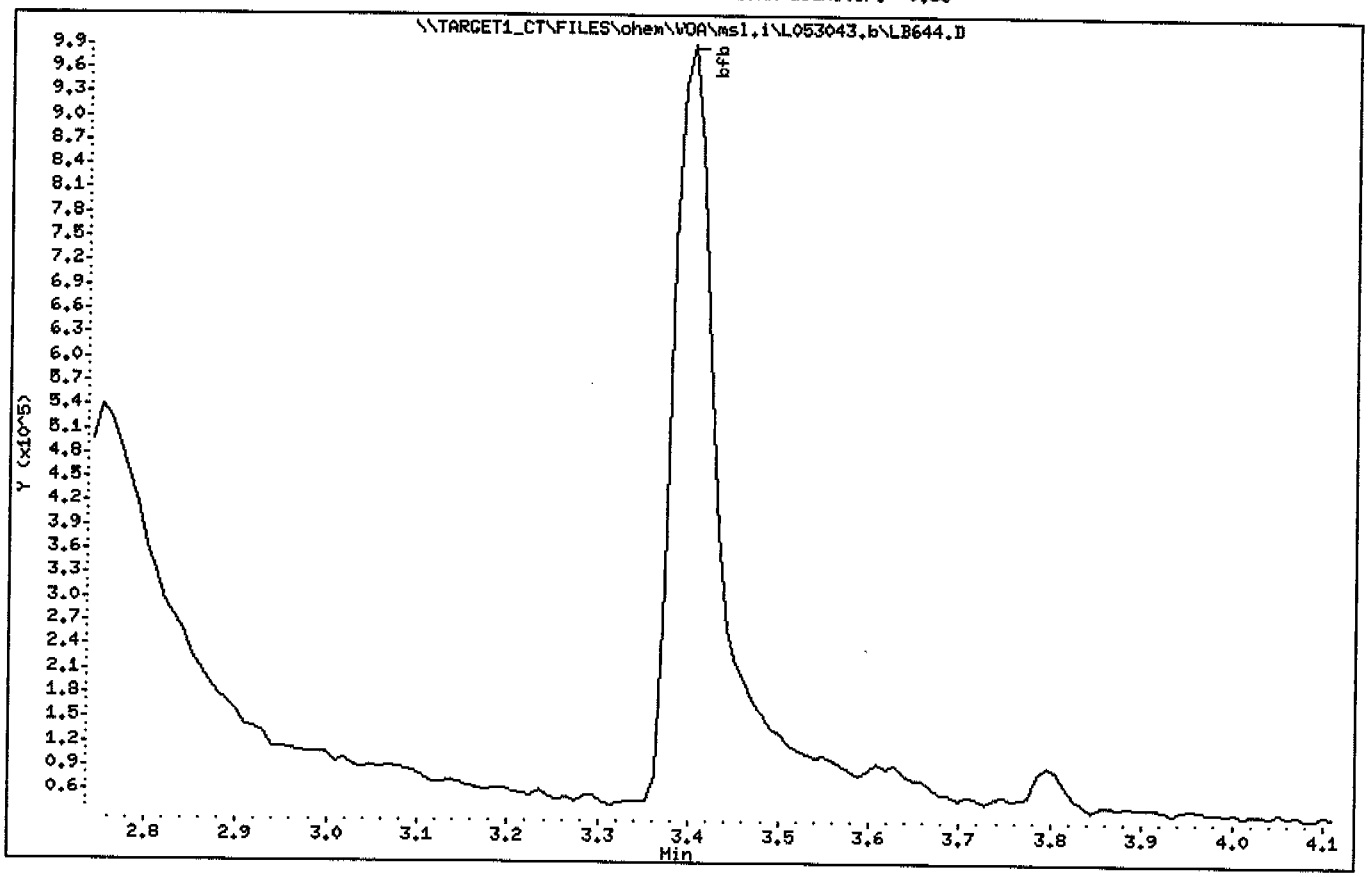
Instrument: msl.i

Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: RTX-624

Column diameter: 0.53



V05HWRK002

Data File: \\TARGET1_CT\FILES\chem\VOA\msl.i\L053043.b\LB644.D

Date : 17-AUG-2005 08:50

Client ID: BFB

Instrument: msl.i

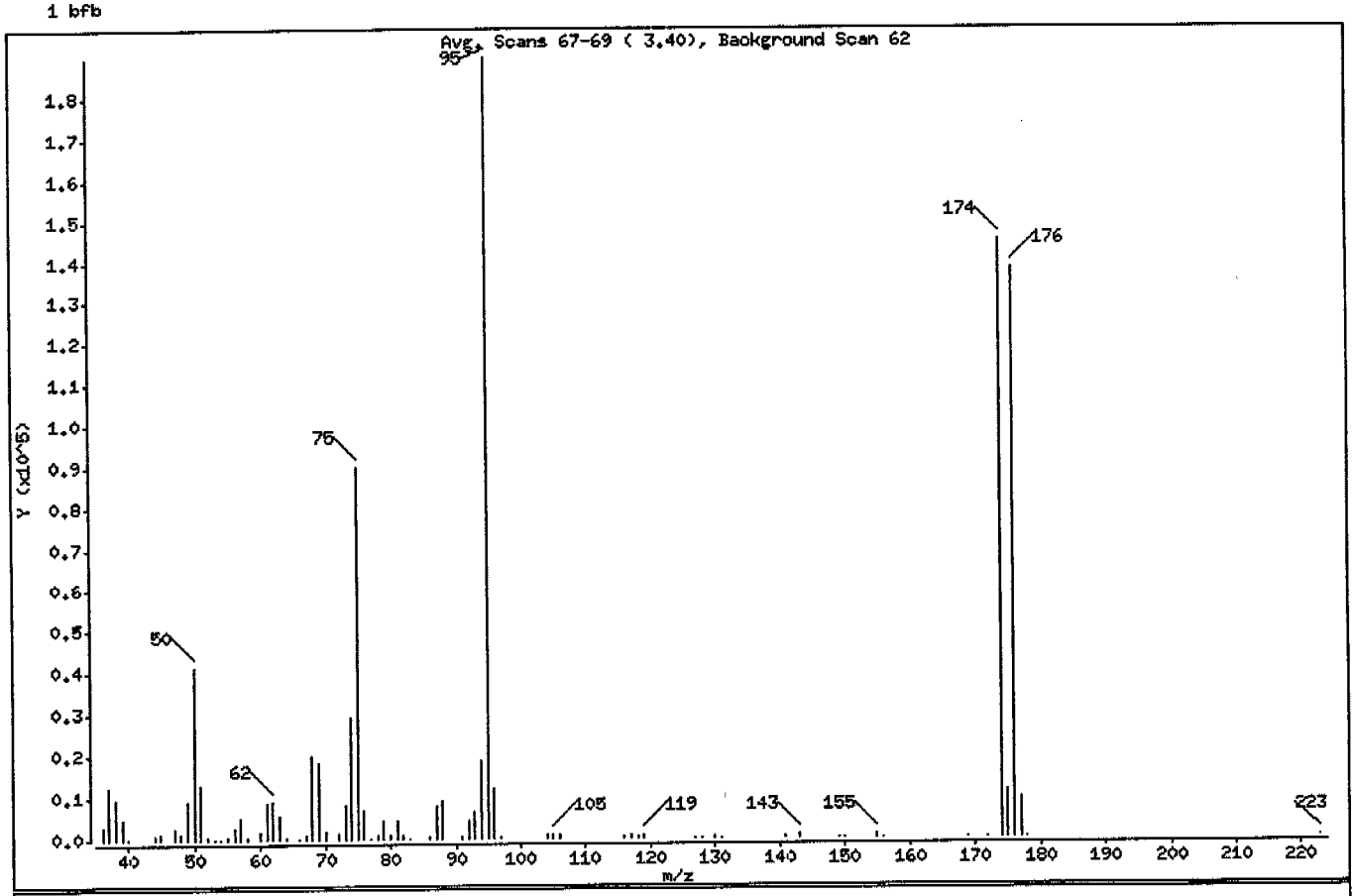
Sample Info: 50ng 4-BFB

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	21.77
75	30.00 - 60.00% of mass 95	47.63
96	5.00 - 9.00% of mass 95	6.50
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	76.55
175	5.00 - 9.00% of mass 174	5.92 (7.74)
176	95.00 - 101.00% of mass 174	72.84 (95.15)
177	5.00 - 9.00% of mass 176	5.11 (7.02)

Data File: \\TARGET1_CT\FILES\chem\VOA\ms1.i\L053043.b\LB644.D

Date : 17-AUG-2005 08:50

Client ID: BFB

Instrument: ms1.i

Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: RTX-624

Column diameter: 0.53

Data File: LB644.D
Spectrum: Avg. Scans 67-69 (3.40), Background Scan 62
Location of Maximum: 95.00
Number of points: 76

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3067	61.00	8676	83.00	215	130.00	377
37.00	12548	62.00	8930	86.00	268	131.00	189
38.00	9742	63.00	5814	87.00	7917	141.00	544
39.00	4714	64.00	430	88.00	9106	143.00	1036
40.00	51	66.00	126	91.00	538	149.00	178
44.00	982	67.00	922	92.00	4364	150.00	186
45.00	1439	68.00	20208	93.00	6647	155.00	771
47.00	2460	69.00	18248	94.00	18736	156.00	182
48.00	1498	70.00	1893	95.00	189440	169.00	191
49.00	9098	72.00	1200	96.00	12305	172.00	190
50.00	41248	73.00	8301	97.00	272	174.00	145024
51.00	12873	74.00	29352	104.00	814	175.00	11219
52.00	280	75.00	90224	105.00	909	176.00	137984
53.00	189	76.00	7053	106.00	755	177.00	9689
54.00	169	77.00	105	116.00	447	178.00	174
55.00	515	78.00	1024	117.00	700	223.00	197
56.00	2452	79.00	4163	118.00	566		
57.00	5028	80.00	964	119.00	799		
58.00	470	81.00	4189	127.00	175		
60.00	1846	82.00	865	128.00	63		

Data File: \\TARGET1_CT\FILES\chem\VOA\msl.i\L053304.b\LB657.D

Date : 30-AUG-2005 08:32

Client ID: BFB

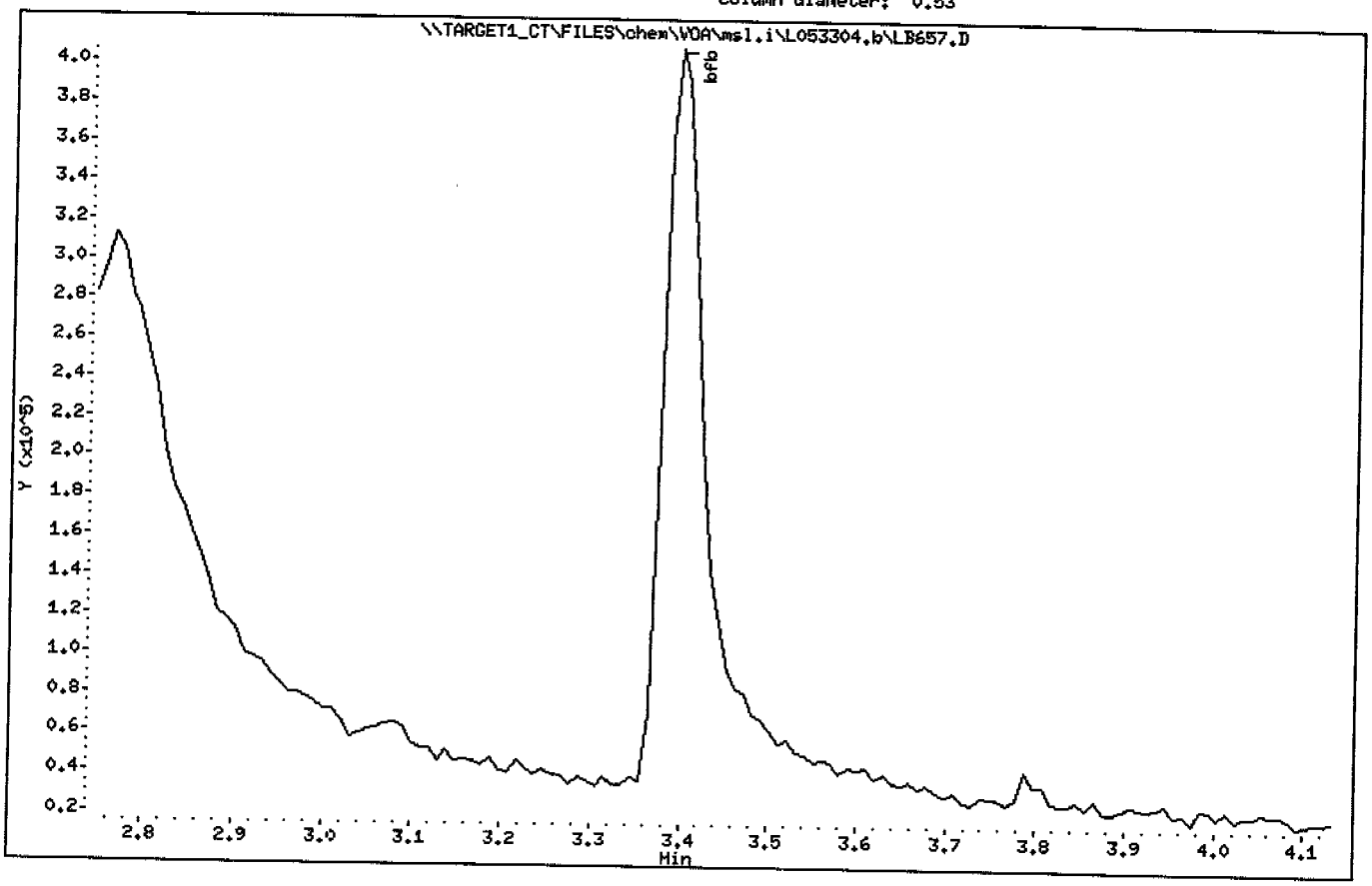
Instrument: msl.i

Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: RTX-624

Column diameter: 0.53



V05THWRK002

Data File: \\TARGET1_CT\FILES\chem\VOA\msl.i\L053304.b\LB657.D

Date : 30-AUG-2005 08:32

Client ID: BFB

Instrument: msl.i

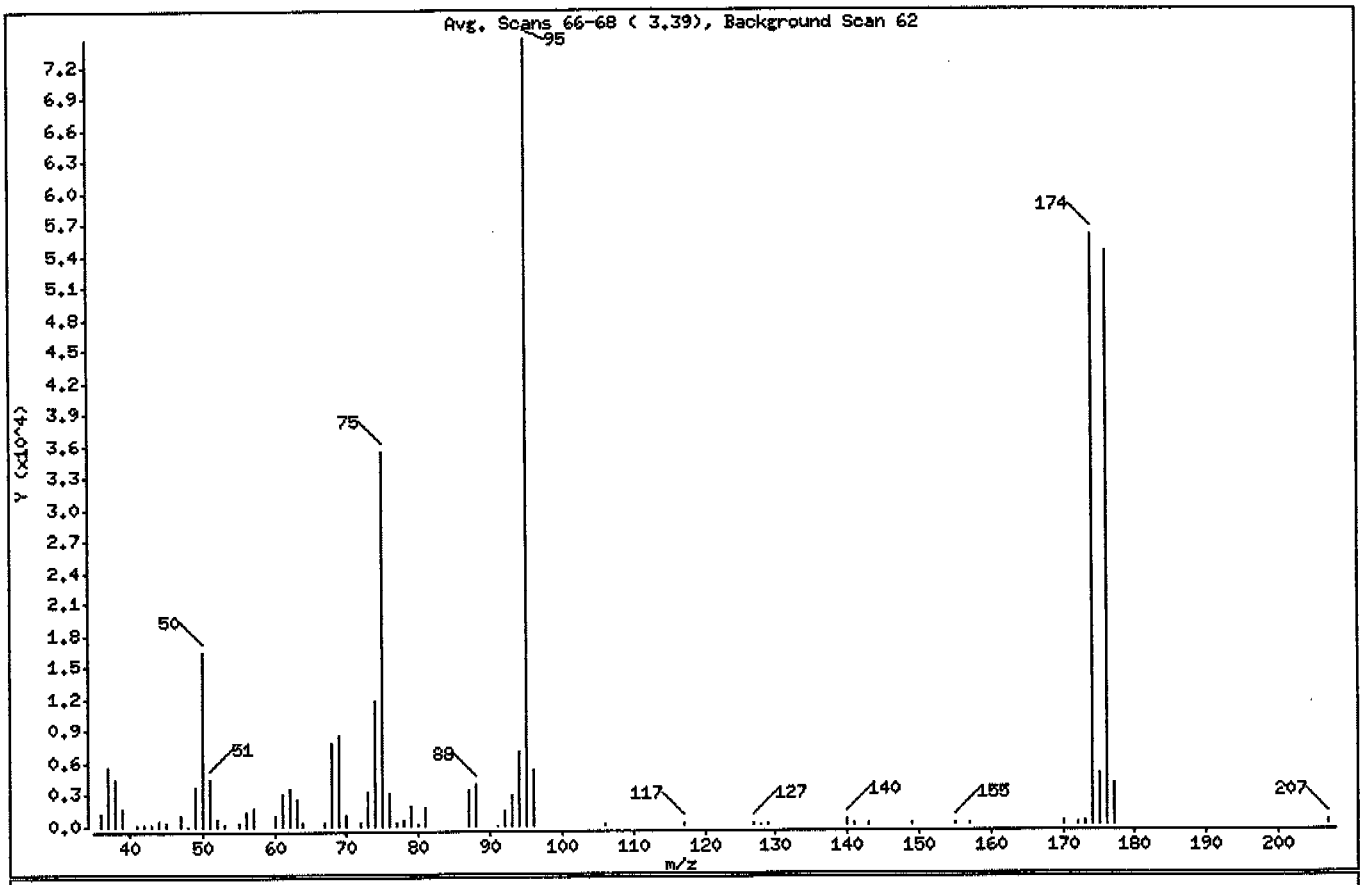
Sample Info: 50ng 4-BFB

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	21.96
75	30.00 - 60.00% of mass 95	47.50
96	5.00 - 9.00% of mass 95	7.13
173	Less than 2.00% of mass 174	0.49 (0.65)
174	50.00 - 100.00% of mass 95	74.99
175	5.00 - 9.00% of mass 174	6.41 (8.55)
176	95.00 - 101.00% of mass 174	72.98 (97.32)
177	5.00 - 9.00% of mass 176	5.24 (7.18)

Data File: \\TARGET1_CT\FILES\chem\VOA\msl.i\L053304.b\LB657.D

Date : 30-AUG-2005 08:32

Client ID: BFB

Instrument: msl.i

Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: RTX-624

Column diameter: 0.53

Data File: LB657.D

Spectrum: Avg. Scans 66-68 (3.39), Background Scan 62

Location of Maximum: 95.00

Number of points: 65

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1259	56.00	1441	78.00	525	140.00	551
37.00	5664	57.00	1737	79.00	1853	141.00	149
38.00	4491	60.00	1024	80.00	176	143.00	193
39.00	1758	61.00	3142	81.00	1631	149.00	173
41.00	139	62.00	3576	87.00	3464	155.00	224
42.00	181	63.00	2536	88.00	3868	157.00	174
43.00	168	64.00	402	91.00	82	170.00	371
44.00	537	67.00	335	92.00	1436	172.00	187
45.00	378	68.00	7888	93.00	2842	173.00	362
47.00	1029	69.00	8542	94.00	6960	174.00	65888
48.00	46	70.00	995	95.00	74528	175.00	4777
49.00	3718	72.00	417	96.00	5316	176.00	54392
50.00	16370	73.00	3214	106.00	167	177.00	3903
51.00	4435	74.00	11823	117.00	176	207.00	323
52.00	692	75.00	35400	127.00	184		
53.00	218	76.00	3059	128.00	5		
55.00	378	77.00	307	129.00	174		

QUALITY CONTROL RESULTS

Job Number.: 210611

Report Date.: 09/09/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		53370 -001		08/17/2005	1120

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

Equipment Code....: MSL
Batch.....: 54376

Analyst...: pam

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\L053043.b\L3048.D
Lab Smp Id: MB Client Smp ID: MB
Inj Date : 17-AUG-2005 11:20 MS Autotune Date: 26-APR-2004 14:21
Operator : D. HUMBERT Inst ID: msl.i
Smp Info : MB
Misc Info : : MB ;;; VBLKLB ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msl.i\L053043.b\L8260BFW.m
Meth Date : 17-Aug-2005 14:56 dave Quant Type: ISTD
Cal Date : 05-AUG-2005 13:31 Cal File: L2715.D
Als bottle: 100 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

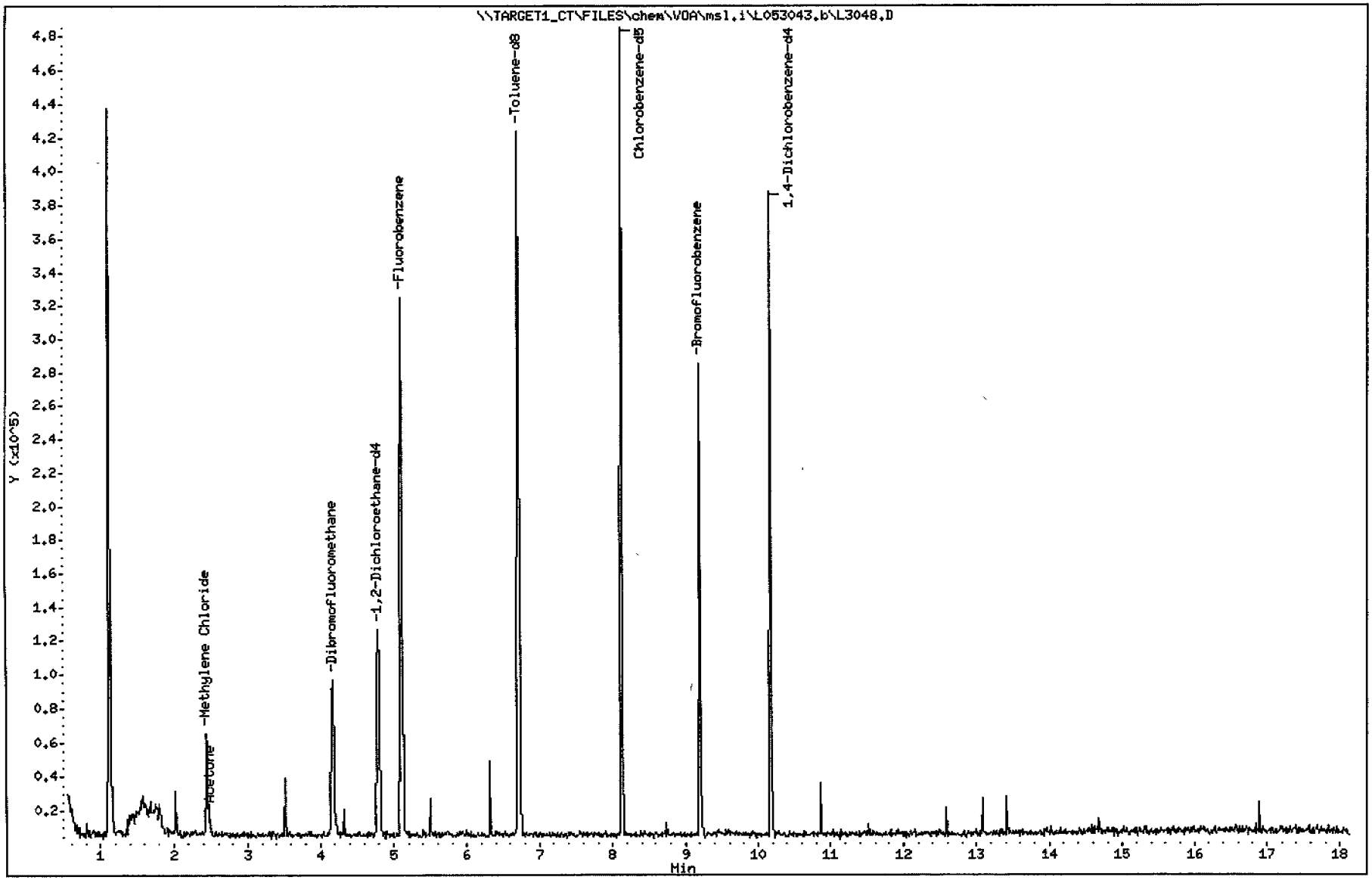
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

D.H. 8/17/05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.119	5.123	(1.000)	327232	25.0000	
17 Methylene Chloride	84	2.444	2.448	(0.477)	25779	3.35708	3
18 Acetone	43	2.483	2.477	(0.485)	9307	2.79124	3
$ 38 Dibromofluoromethane	111	4.175	4.179	(0.816)	83746	21.5822	22
$ 52 1,2-Dichloroethane-d4	65	4.795	4.808	(0.937)	103051	20.6502	21
* 70 Chlorobenzene-d5	117	8.129	8.132	(1.000)	239884	25.0000	
$ 72 Toluene-d8	98	6.713	6.726	(0.826)	251046	23.1035	23
* 90 1,4-Dichlorobenzene-d4	152	10.175	10.178	(1.000)	89798	25.0000	
$ 117 Bromofluorobenzene	95	9.201	9.205	(0.904)	89406	24.9810	25

Data File: \\TARGET1_CT\FILES\chem\VOA\msl.i\L053043.b\L3048.D
Date : 17-AUG-2005 11:20
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.: 210611 Report Date.: 09/09/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		54020 -001		08/30/2005	1057

Test Method.....: 8260B Equipment Code....: MSL Analyst...: pam
Method Description.: Volatile Organics (5mL Purge) Batch.....: 54376

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\L053304.b\L3308.D
Lab Smp Id: MB Client Smp ID: MB
Inj Date : 30-AUG-2005 10:57 MS Autotune Date: 26-APR-2004 14:21
Operator : D. HUMBERT Inst ID: msl.i
Smp Info : MB
Misc Info : : MB ;;; VBLKLR ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msl.i\L053304.b\L8260BFW.m
Meth Date : 30-Aug-2005 14:14 dave Quant Type: ISTD
Cal Date : 05-AUG-2005 13:31 Cal File: L2715.D
Als bottle: 55 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

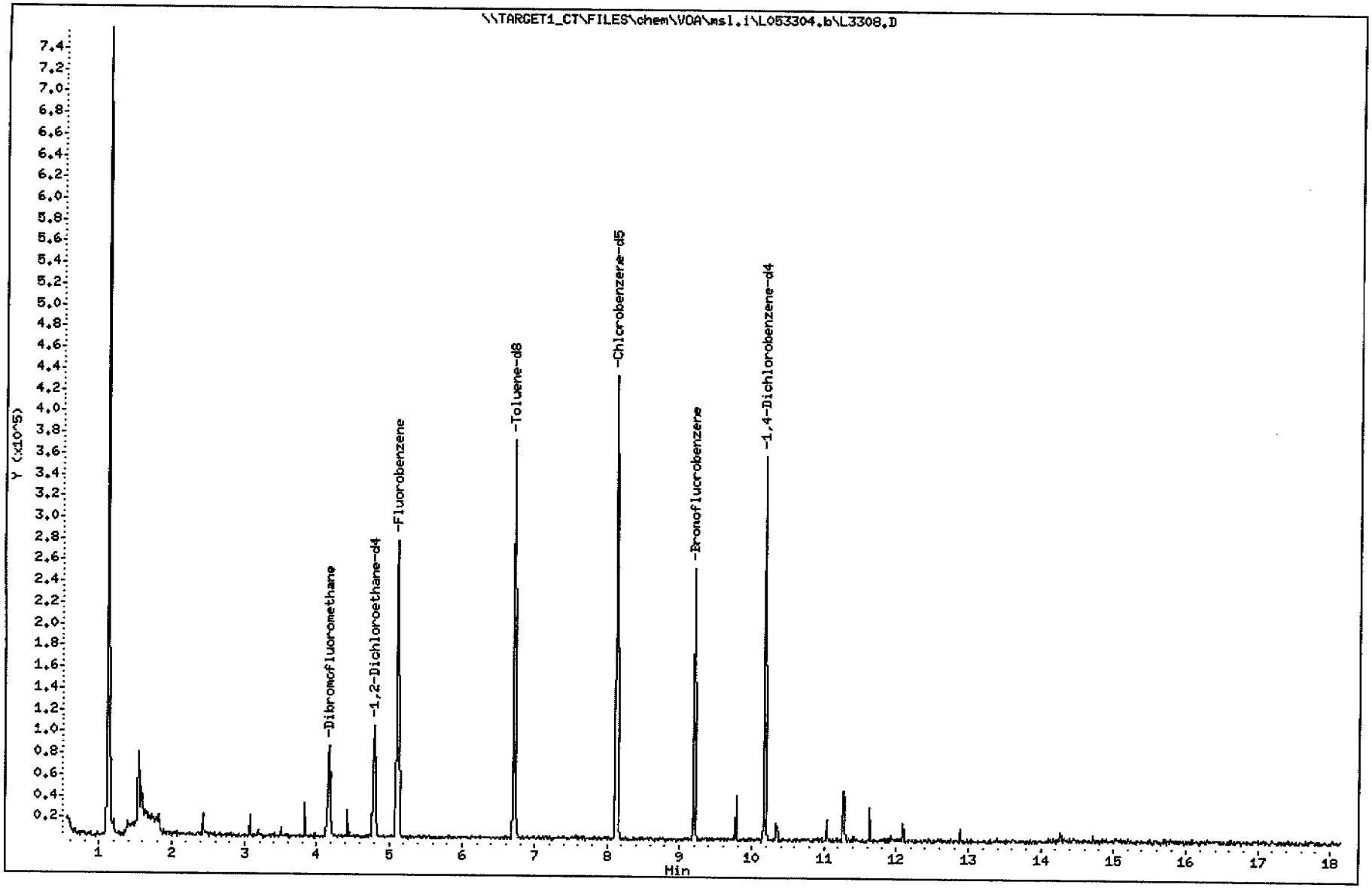
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

8/30/05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.116	5.126	(1.000)	273074	25.0000	
$ 38 Dibromofluoromethane	111	4.172	4.181	(0.815)	73464	22.6872	23
$ 52 1,2-Dichloroethane-d4	65	4.792	4.801	(0.937)	91903	22.0687	22
* 70 Chlorobenzene-d5	117	8.126	8.135	(1.000)	220428	25.0000	
$ 72 Toluene-d8	98	6.709	6.719	(0.826)	236175	23.6533	24
* 90 1,4-Dichlorobenzene-d4	152	10.172	10.181	(1.000)	86869	25.0000	
$ 117 Bromofluorobenzene	95	9.198	9.207	(0.904)	87502	25.2733	25

Data File: \\TARGET1_CT\FILES\chem\VOA\msl.i\L053304.b\L3308.D
Date : 30-AUG-2005 10:57
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.: 210611 Report Date.: 09/09/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Leachate Extraction Blank 1		53370 -003		08/17/2005	1833

Test Method.....: 8260B Equipment Code....: MSL Analyst...: pam
Method Description.: Volatile Organics (5mL Purge) Batch.....: 54376

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-INC

Volatile Report SW-846 Method 8260B

Data file : \\target1_ct\Files\chem\VOA\msl.i\L053043.b\L3064.D
Lab Smp Id: 53370-3EB1 Client Smp ID: 53370-3EB1
Inj Date : 17-AUG-2005 18:33 MS Autotune Date: 26-APR-2004 14:21
Operator : D. HUMBERT Inst ID: msl.i
Smp Info : EB1
Misc Info : :C ;;; TCLPBLK-8/16 ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msl.i\L053043.b\L8260BFW.m
Meth Date : 25-Aug-2005 11:39 pattym Quant Type: ISTD
Cal Date : 05-AUG-2005 13:31 Cal File: L2715.D
Als bottle: 100
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10

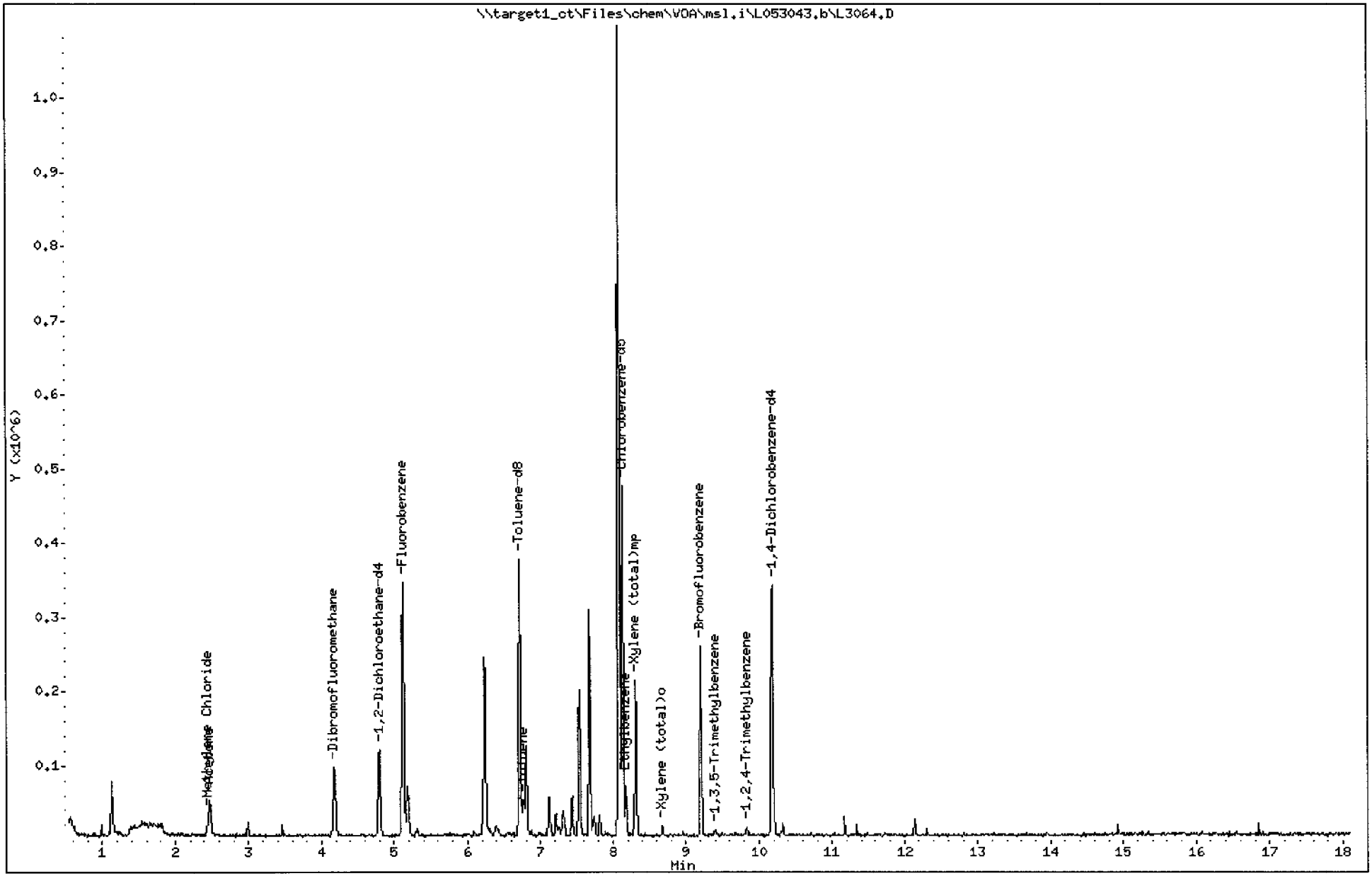
Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

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	5.116	5.123	(1.000)	334109	25.0000	
17	Methylene Chloride	84	2.450	2.448	(0.479)	11953	1.52454	2
18	Acetone	43	2.470	2.477	(0.483)	56525	16.6034	17
$ 38	Dibromofluoromethane	111	4.172	4.179	(0.815)	83165	20.9913	21
$ 52	1,2-Dichloroethane-d4	65	4.791	4.808	(0.937)	98825	19.3957	19
* 70	Chlorobenzene-d5	117	8.125	8.132	(1.000)	245126	25.0000	
71	Toluene	91	6.768	6.765	(0.833)	32150	1.60180	2
$ 72	Toluene-d8	98	6.719	6.726	(0.827)	245303	22.0922	22
85	Ethylbenzene	106	8.175	8.182	(1.006)	13764	2.25007	2
86	Xylene (total)mp	106	8.302	8.310	(1.022)	52322	6.76383	7
87	Xylene (total)o	106	8.686	8.683	(1.069)	4201	0.54867	0.5
* 90	1,4-Dichlorobenzene-d4	152	10.181	10.178	(1.000)	91018	25.0000	
99	1,3,5-Trimethylbenzene	105	9.414	9.500	(0.925)	8034	0.71541	0.7
101	1,2,4-Trimethylbenzene	105	9.837	9.834	(0.966)	8706	0.74822	0.7
$ 117	Bromofluorobenzene	95	9.207	9.205	(0.904)	85530	23.5776	24
M 119	Xylene (total)	100				56523	7.31250	7

Data File: \\target1_ct\Files\chem\VOA\msl.i\L053043.b\L3064.D
Date : 17-AUG-2005 18:33
Client ID: 53370-3EB1
Sample Info: EB1
Purge Volume: 5.0
Column phase: RTX-624

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



QUALITY CONTROL RESULTS

Job Number.: 210611 Report Date.: 09/09/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V05GWRK012	210611-1		08/30/2005	1547

Test Method.....: 8260B Equipment Code....: MSL Analyst...: pam
Method Description.: Volatile Organics (5mL Purge) Batch.....: 54376

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride, TCLP	mg/L	0.038727		0.050000	0.000800 U	77		51-139	
1,1-Dichloroethene, TCLP	mg/L	0.036974		0.050000	0.000700 U	74		57-137	
2-Butanone (MEK), TCLP	mg/L	0.040284		0.050000	0.001200 U	81		30-222	
Chloroform, TCLP	mg/L	0.039708		0.050000	0.000700 U	79		70-124	
Carbon tetrachloride, TCLP	mg/L	0.041645		0.050000	0.001000 U	83		56-131	
Benzene, TCLP	mg/L	0.038676		0.050000	0.000400 U	77		68-126	
1,2-Dichloroethane, TCLP	mg/L	0.040870		0.050000	0.000600 U	82		68-124	
Trichloroethene, TCLP	mg/L	0.054993		0.050000	0.016999	76		58-125	
Tetrachloroethene, TCLP	mg/L	0.035176		0.050000	0.000500 U	70		62-118	
Chlorobenzene, TCLP	mg/L	0.037600		0.050000	0.000400 U	75		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\msl.i\L053304.b\L3319.D
Lab Smp Id: 210611-1MS Client Smp ID: WC-03MS
Inj Date : 30-AUG-2005 15:47 MS Autotune Date: 26-APR-2004 14:21
Operator : D. HUMBERT Inst ID: msl.i
Smp Info : 210611-1MS
Misc Info : :CMS ;;; TCLPMS ; 8260B ; 1 ; LLW
Comment :
Method : \\target1_ct\Files\chem\VOA\msl.i\L053304.b\L8260BFW.m
Meth Date : 07-Sep-2005 19:47 pattym Quant Type: ISTD
Cal Date : 05-AUG-2005 13:31 Cal File: L2715.D
Als bottle: 65 QC Sample: MS
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	5.126	5.126	(1.000)	287916	25.0000	
3	Chloromethane	50	1.340	1.329	(0.261)	226896	37.2749	37
4	Vinyl Chloride	62	1.379	1.378	(0.269)	208244	38.7269	39
5	Bromomethane	94	1.576	1.575	(0.307)	154171	43.8848	44
6	Chloroethane	64	1.655	1.654	(0.323)	138672	40.6953	41
7	Trichlorofluoromethane	101	1.743	1.742	(0.340)	245502	37.4347	37
8	Dichlorofluoromethane	67	1.753	1.752	(0.342)	378971	38.7179	39
9	Ethyl Ether	45	1.920	1.909	(0.375)	113491	40.2853	40
10	Freon 141	81	1.989	1.978	(0.388)	238779	37.5643	38
11	Freon 123a	67	2.058	2.057	(0.401)	50920	36.6255	37
12	Trichlorotrifluoroethane	101	2.078	2.077	(0.405)	128346	36.5204	36
13	1,1-Dichloroethene	96	2.058	2.057	(0.401)	156037	36.9743	37
14	Carbon Disulfide	76	2.107	2.106	(0.411)	147906	35.6179	36
15	Iodomethane	142	2.166	2.165	(0.423)	99179	24.5126	24
16	3-Chloro-1-Propene	41	2.373	2.372	(0.463)	226470	38.9661	39
17	Methylene Chloride	84	2.451	2.450	(0.478)	217122	32.1358	32
18	Acetone	43	2.471	2.470	(0.482)	159915	54.5089	54
19	trans-1,2-Dichloroethene	96	2.579	2.578	(0.503)	200208	37.8072	38
20	Methyl tert-Butyl Ether	73	2.658	2.657	(0.518)	594475	40.0914	40
21	Acrolein	56	2.274	2.273	(0.444)	203566	546.233	550
22	tert-Butyl alcohol	59	2.697	2.696	(0.526)	171748	203.960	200
23	Methyl Acetate	43	2.569	2.568	(0.501)	480518	43.2363	43
24	Acetonitrile	41	2.835	2.834	(0.553)	323939	379.200	380

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	25 Isopropyl ether	45	2.973	2.962	(0.580)	759009	38.8164	39
	26 tert-Butyl ethyl ether	59	3.327	3.316	(0.649)	702182	39.5421	40
	27 Acrylonitrile	53	3.081	3.080	(0.601)	479829	120.750	120
	28 2-Chloro-1,3-Butadiene	88	3.081	3.080	(0.601)	140171	36.7315	37
	29 1,1-Dichloroethane	63	3.100	3.100	(0.605)	393674	39.5826	40
	30 Vinyl Acetate	43	3.317	3.316	(0.647)	595393	37.9320	38
	31 cis-1,2-Dichloroethene	96	3.641	3.641	(0.710)	319796	55.9598	56
	32 2,2-Dichloropropane	77	3.769	3.768	(0.735)	304182	40.7297	41
	33 Bromochloromethane	128	3.868	3.867	(0.754)	116783	38.1565	38
	34 1-Bromopropane	43	3.858	3.857	(0.753)	280675	38.8052	39
	35 Chloroform	83	3.956	3.955	(0.772)	372282	39.7081	40
	36 Ethyl Acetate	43	4.104	4.113	(0.800)	35694	75.8862	76
	37 Methyl Acrylate	55	4.113	4.113	(0.802)	220969	40.6349	41
$	38 Dibromofluoromethane	111	4.182	4.181	(0.816)	79824	23.3805	23
	39 Tetrahydrofuran	42	4.182	4.172	(0.816)	142518	81.1988	81
	40 1,1,1-Trichloroethane	97	4.222	4.221	(0.824)	257267	38.7030	39
	41 Carbon Tetrachloride	117	4.153	4.152	(0.810)	224182	41.6452	42
	42 2-Butanone	43	4.330	4.329	(0.845)	138208	40.2845	40
	43 1,1-Dichloropropene	75	4.379	4.368	(0.854)	263367	37.3030	37
	44 Cyclohexane	84	3.907	3.906	(0.762)	116195	32.9366	33
	45 tert-Amyl methyl ether	73	4.802	4.801	(0.937)	656052	39.3220	39
	46 tert-Butyl formate	57	4.812	4.821	(0.939)	12934	8.14015	8
	47 1-Chlorobutane	56	3.897	3.896	(0.760)	127029	32.7001	33
	48 Propionitrile	54	4.645	4.644	(0.906)	359396	390.073	390
	49 Isobutyl alcohol	42	4.910	4.909	(0.958)	69336	459.719	460
	50 Benzene	78	4.664	4.663	(0.910)	751642	38.6756	39
	51 2-Methyl-2-Propenenitrile	41	4.684	4.683	(0.914)	174215	39.3226	39
$	52 1,2-Dichloroethane-d4	65	4.802	4.801	(0.937)	98998	22.5470	22
	53 1,2-Dichloroethane	62	4.881	4.880	(0.952)	309484	40.8696	41
	57 Methyl Cyclohexane	83	5.313	5.313	(1.036)	109751	35.7542	36
	58 Trichloroethene	130	5.313	5.322	(1.036)	270429	54.9929	55
	59 Dibromomethane	93	5.746	5.745	(1.121)	149196	39.8657	40
	60 1,2-Dichloropropane	63	5.844	5.844	(1.140)	215435	38.0623	38
	61 Bromodichloromethane	83	5.923	5.922	(1.155)	266095	38.6017	39
	62 Methyl Methacrylate	69	6.090	6.090	(1.188)	319222	78.1059	78
	63 1,4-Dioxane	58	6.130	6.129	(1.196)	48904	1079.27	1100
	64 2-Chloroethylvinylether	63	6.484	6.483	(1.265)	23551	9.57030	10
	65 cis-1,3-Dichloropropene	75	6.543	6.542	(1.276)	337593	38.2160	38
	66 2-Nitropropane	41	6.956	6.955	(1.357)	171092	82.6263	83
	67 Chloroacetonitrile	48	6.877	6.876	(1.341)	198244	797.571	800
	68 trans-1,3-Dichloropropene	75	7.153	7.152	(1.395)	329064	39.2061	39
	69 1,1,2-Trichloroethane	97	7.300	7.299	(1.424)	183387	38.0524	38
*	70 Chlorobenzene-d5	117	8.136	8.135	(1.000)	243387	25.0000	
	71 Toluene	91	6.769	6.768	(0.832)	1211499	60.7915	61(R)
$	72 Toluene-d8	98	6.720	6.719	(0.826)	238986	21.6770	22
	73 1,1-Dichloro-2-propanone	43	6.985	6.985	(0.859)	797193	198.422	200
	74 4-Methyl-2-Pentanone	43	7.113	7.112	(0.874)	301919	44.3776	44
	75 Tetrachloroethene	164	7.143	7.142	(0.878)	117006	35.1763	35
	76 Ethyl Methacrylate	69	7.320	7.319	(0.900)	302859	38.7710	39
	77 Dibromochloromethane	129	7.467	7.467	(0.918)	200816	35.5130	36
	78 1,3-Dichloropropane	76	7.546	7.545	(0.927)	341352	37.8856	38
	79 1,2-Dibromoethane	107	7.674	7.673	(0.943)	210831	36.8194	37
	81 2-Hexanone	43	7.880	7.880	(0.969)	198732	39.4451	39
	82 1-Chlorohexane	91	8.136	8.135	(1.000)	162016	31.2973	31

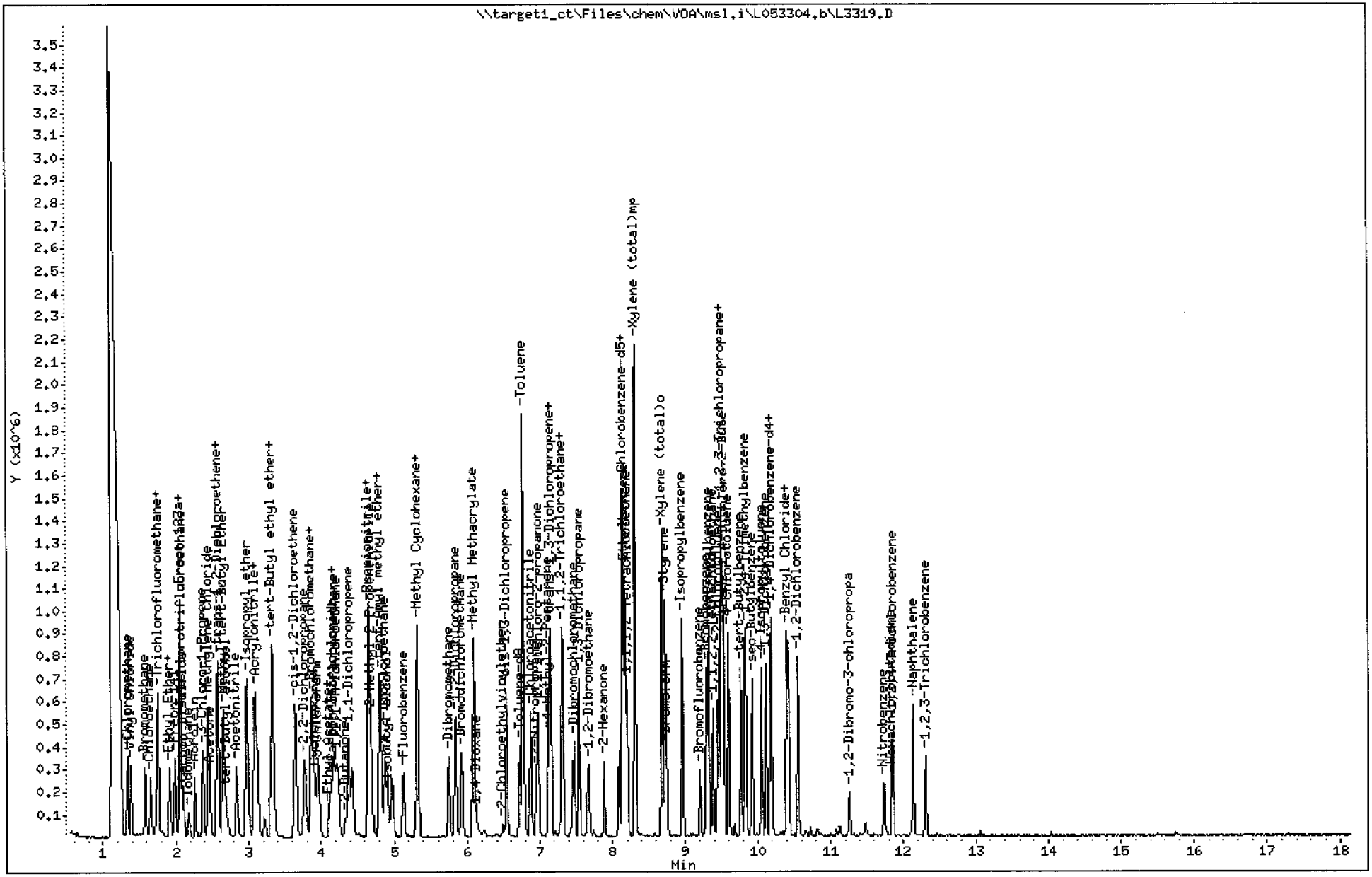
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
83	Chlorobenzene	112	8.146	8.145	(1.001)	477487	37.6000	38
84	1,1,1,2-Tetrachloroethane	131	8.205	8.204	(1.008)	165428	35.6545	36
85	Ethylbenzene	106	8.175	8.175	(1.005)	220221	36.2578	36
86	Xylene (total)mp	106	8.313	8.312	(1.022)	581743	75.7411	76
87	Xylene (total)o	106	8.687	8.686	(1.068)	324327	42.6614	43
88	Styrene	104	8.736	8.735	(1.074)	472905	35.2019	35
89	Bromoform	173	8.756	8.755	(1.076)	130960	34.7791	35
* 90	1,4-Dichlorobenzene-d4	152	10.182	10.181	(1.000)	94558	25.0000	
91	Isopropylbenzene	105	8.962	8.962	(0.880)	562232	36.7473	37
92	1,1,2,2-Tetrachloroethane	83	9.385	9.384	(0.922)	260576	41.4063	41
93	Bromobenzene	156	9.297	9.296	(0.913)	186586	39.1803	39
94	1,2,3-Trichloropropane	110	9.493	9.493	(0.932)	76562	43.2722	43
95	trans-1,4-Dichloro-2-Butene	53	9.533	9.532	(0.936)	135902	81.6319	82
96	n-Propylbenzene	91	9.326	9.325	(0.916)	641833	35.7374	36
97	2-Chlorotoluene	91	9.454	9.453	(0.929)	425334	36.2112	36
98	4-Chlorotoluene	91	9.602	9.601	(0.943)	450656	36.3103	36
99	1,3,5-Trimethylbenzene	105	9.493	9.493	(0.932)	423200	36.2740	36
100	tert-Butylbenzene	119	9.769	9.768	(0.959)	323608	35.4011	35
101	1,2,4-Trimethylbenzene	105	9.838	9.837	(0.966)	477262	39.4817	39
102	sec-Butylbenzene	105	9.926	9.925	(0.975)	429696	33.9493	34
103	4-Isopropyltoluene	119	10.054	10.053	(0.987)	393338	36.5950	36
104	1,3-Dichlorobenzene	146	10.113	10.112	(0.993)	271724	36.8271	37
105	1,4-Dichlorobenzene	146	10.192	10.191	(1.001)	284196	36.7817	37
106	1,2-Dichlorobenzene	146	10.556	10.555	(1.037)	285007	38.5151	38
107	Benzyl Chloride	126	10.408	10.407	(1.022)	89226	40.3144	40
108	n-Butylbenzene	91	10.408	10.407	(1.022)	757594	37.5328	38
111	1,2-Dibromo-3-chloropropane	75	11.254	11.253	(1.105)	42426	38.0327	38
112	Nitrobenzene	77	11.736	11.735	(1.153)	108964	457.951	460
113	1,2,4-Trichlorobenzene	180	11.854	11.853	(1.164)	116964	34.3750	34
114	Hexachlorobutadiene	225	11.834	11.843	(1.162)	36523	32.0236	32
115	Naphthalene	128	12.139	12.138	(1.192)	406730	36.3724	36
116	1,2,3-Trichlorobenzene	180	12.306	12.306	(1.209)	95444	32.3613	32
$ 117	Bromofluorobenzene	95	9.208	9.207	(0.904)	91296	24.2249	24
M 118	1,2-Dichloroethene (total)	100				520004	93.7669	94
M 119	Xylene (total)	100				906070	118.403	120

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\target1_ct\Files\chem\VOA\msl.i\L053304.b\L3319.D
Date : 30-AUG-2005 15:47
Client ID: WC-03MS
Sample Info: 210611-1MS
Purge Volume: 5.0
Column phase: RTX-624

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



000114

QUALITY CONTROL RESULTS

Job Number.: 210611 Report Date.: 09/09/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05GWRK012	53370 -002		08/17/2005	0953

Test Method.....: 8260B Equipment Code....: MSL Analyst...: pam
Method Description.: Volatile Organics (5mL Purge) Batch.....: 54376

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride, TCLP	mg/L	0.017444		0.020000		87	%	51-139	
1,1-Dichloroethene, TCLP	mg/L	0.018786		0.020000		94	%	57-137	
2-Butanone (MEK), TCLP	mg/L	0.024972		0.020000		125	%	30-222	
Chloroform, TCLP	mg/L	0.018453		0.020000		92	%	70-124	
Carbon tetrachloride, TCLP	mg/L	0.017325		0.020000		87	%	56-131	
Benzene, TCLP	mg/L	0.018699		0.020000		93	%	68-126	
1,2-Dichloroethane, TCLP	mg/L	0.018929		0.020000		95	%	68-124	
Trichloroethene, TCLP	mg/L	0.018081		0.020000		90	%	58-125	
Tetrachloroethene, TCLP	mg/L	0.017523		0.020000		88	%	62-118	
Chlorobenzene, TCLP	mg/L	0.019697		0.020000		98	%	71-114	

 * %=% 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\L053043.b\L3045.D
Lab Smp Id: LCSV05GWRK012 Client Smp ID: LCSV05GWRK012
Inj Date : 17-AUG-2005 09:53 MS Autotune Date: 26-APR-2004 14:21
Operator : D. HUMBERT Inst ID: msl.i
Smp Info : LCSV05GWRK012
Misc Info : : LCS;;; 020PPB_QCS ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msl.i\L053043.b\L8260BFW.m
Meth Date : 17-Aug-2005 14:54 dave Quant Type: ISTD
Cal Date : 05-AUG-2005 13:31 Cal File: L2715.D
Als bottle: 100 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

DH 8/17/05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
* 1 Fluorobenzene	96	5.125	5.123	(1.000)	331344	25.0000	
2 Dichlorodifluoromethane	85	1.220	1.218	(0.238)	109959	21.6979	22
3 Chloromethane	50	1.338	1.336	(0.261)	119975	17.1264	17
4 Vinyl Chloride	62	1.378	1.385	(0.269)	107950	17.4441	17
5 Bromomethane	94	1.575	1.572	(0.307)	62049	15.3473	15
6 Chloroethane	64	1.653	1.651	(0.323)	73704	18.7946	19
7 Trichlorofluoromethane	101	1.732	1.739	(0.338)	132388	17.5410	18
9 Ethyl Ether	45	1.909	1.916	(0.373)	71836	22.1572	22
10 Freon 141	81	1.978	1.985	(0.386)	177793	24.3042	24
11 Freon 123a	67	2.056	2.054	(0.401)	25990	16.2438	16
12 Trichlorotrifluoroethane	101	2.076	2.074	(0.405)	90624	22.4070	22
13 1,1-Dichloroethene	96	2.056	2.064	(0.401)	91239	18.7862	19
14 Carbon Disulfide	76	2.106	2.103	(0.411)	211157	44.1849	44(R)
15 Iodomethane	142	2.165	2.172	(0.422)	93098	19.9939	20
16 3-Chloro-1-Propene	41	2.371	2.379	(0.463)	171293	25.6096	26
17 Methylene Chloride	84	2.450	2.448	(0.478)	133035	17.1095	17
18 Acetone	43	2.479	2.477	(0.484)	89214	26.4239	26
19 trans-1,2-Dichloroethene	96	2.578	2.585	(0.503)	96845	15.8912	16
20 Methyl tert-Butyl Ether	73	2.656	2.654	(0.518)	339515	19.8959	20
22 tert-Butyl alcohol	59	2.696	2.693	(0.526)	77509	79.9818	80
23 Methyl Acetate	43	2.568	2.566	(0.501)	281587	22.0160	22
27 Acrylonitrile	53	3.119	3.077	(0.609)	101704	22.2396	22

	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	3.097	(0.605)	212258	18.5446	18
31	cis-1,2-Dichloroethene	96	3.640	3.648	(0.710)	119366	18.1497	18
32	2,2-Dichloropropane	77	3.768	3.766	(0.735)	182412	21.2235	21
33	Bromochloromethane	128	3.876	3.874	(0.756)	63189	17.9398	18
35	Chloroform	83	3.955	3.962	(0.772)	199100	18.4529	18
37	Methyl Acrylate	55	4.122	4.120	(0.804)	124397	19.8776	20
$ 38	Dibromofluoromethane	111	4.181	4.179	(0.816)	84125	21.4108	21
39	Tetrahydrofuran	42	4.191	4.179	(0.818)	78444	38.8353	39
40	1,1,1-Trichloroethane	97	4.220	4.228	(0.823)	143098	18.7060	19
41	Carbon Tetrachloride	117	4.161	4.159	(0.812)	107332	17.3253	17
42	2-Butanone	43	4.328	4.326	(0.845)	98595	24.9716	25
43	1,1-Dichloropropene	75	4.378	4.375	(0.854)	141991	17.4755	17
44	Cyclohexane	84	3.906	3.913	(0.762)	110704	27.2672	27
47	1-Chlorobutane	56	3.896	3.903	(0.760)	131034	29.3101	29
48	Propionitrile	54	4.643	4.641	(0.906)	199838	188.468	190
50	Benzene	78	4.663	4.661	(0.910)	418227	18.6993	19
51	2-Methyl-2-Propenenitrile	41	4.683	4.680	(0.914)	96361	18.8993	19
$ 52	1,2-Dichloroethane-d4	65	4.801	4.808	(0.937)	108590	21.4901	21
53	1,2-Dichloroethane	62	4.879	4.877	(0.952)	164959	18.9289	19
57	Methyl Cyclohexane	83	5.312	5.320	(1.036)	93169	26.3740	26
58	Trichloroethene	130	5.312	5.320	(1.036)	102327	18.0813	18
59	Dibromomethane	93	5.745	5.742	(1.121)	76771	17.8249	18
60	1,2-Dichloropropane	63	5.843	5.841	(1.140)	117460	18.0325	18
61	Bromodichloromethane	83	5.922	5.919	(1.155)	146133	18.4206	18
62	Methyl Methacrylate	69	6.089	6.087	(1.188)	208256	44.2767	44
65	cis-1,3-Dichloropropene	75	6.541	6.539	(1.276)	187370	18.4306	18
66	2-Nitropropane	41	6.955	6.962	(1.357)	89941	37.7427	38
67	Chloroacetonitrile	48	6.876	6.874	(1.342)	110710	387.029	390
68	trans-1,3-Dichloropropene	75	7.151	7.159	(1.395)	179610	18.5948	18
69	1,1,2-Trichloroethane	97	7.299	7.306	(1.424)	97200	17.5253	18
* 70	Chlorobenzene-d5	117	8.135	8.132	(1.000)	246315	25.0000	
71	Toluene	91	6.768	6.765	(0.832)	385336	19.1058	19
$ 72	Toluene-d8	98	6.718	6.726	(0.826)	253289	22.7013	23
73	1,1-Dichloro-2-propanone	43	6.984	6.982	(0.859)	388106	95.4518	95
74	4-Methyl-2-Pentanone	43	7.122	7.119	(0.875)	151351	21.9819	22
75	Tetrachloroethene	164	7.141	7.139	(0.878)	58987	17.5228	18
76	Ethyl Methacrylate	69	7.318	7.316	(0.900)	114094	14.4323	14
77	Dibromochloromethane	129	7.466	7.473	(0.918)	107772	18.8322	19
78	1,3-Dichloropropane	76	7.545	7.542	(0.927)	190100	20.8478	21
79	1,2-Dibromoethane	107	7.672	7.670	(0.943)	103769	17.9067	18
81	2-Hexanone	43	7.879	7.877	(0.969)	133754	26.2325	26
82	1-Chlorohexane	91	8.135	8.142	(1.000)	106257	20.2821	20
83	Chlorobenzene	112	8.145	8.152	(1.001)	253148	19.6973	20
84	1,1,1,2-Tetrachloroethane	131	8.213	8.211	(1.010)	93489	19.9100	20
85	Ethylbenzene	106	8.174	8.182	(1.005)	116154	18.8966	19
86	Xylene (total)mp	106	8.312	8.310	(1.022)	290657	37.3928	37
87	Xylene (total)o	106	8.686	8.683	(1.068)	144530	18.7853	19
88	Styrene	104	8.735	8.732	(1.074)	239568	17.6209	18
89	Bromoform	173	8.754	8.752	(1.076)	70217	18.4259	18
* 90	1,4-Dichlorobenzene-d4	152	10.181	10.178	(1.000)	94811	25.0000	
91	Isopropylbenzene	105	8.961	8.959	(0.880)	310797	20.2594	20
92	1,1,2,2-Tetrachloroethane	83	9.384	9.382	(0.922)	143883	22.8024	23
93	Bromobenzene	156	9.295	9.293	(0.913)	97526	20.4244	20
94	1,2,3-Trichloropropane	110	9.492	9.500	(0.932)	39991	22.5423	22

	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	9.531	9.529	(0.936)	86401	51.7597	52
96	n-Propylbenzene	91	9.325	9.323	(0.916)	351291	19.5078	20
97	2-Chlorotoluene	91	9.453	9.460	(0.928)	244774	20.7834	21
98	4-Chlorotoluene	91	9.600	9.598	(0.943)	241215	19.3833	19
99	1,3,5-Trimethylbenzene	105	9.502	9.500	(0.933)	234875	20.0782	20
100	tert-Butylbenzene	119	9.767	9.775	(0.959)	190581	20.7930	21
101	1,2,4-Trimethylbenzene	105	9.836	9.834	(0.966)	240150	19.8135	20
102	sec-Butylbenzene	105	9.925	9.932	(0.975)	271646	21.4048	21
103	4-Isopropyltoluene	119	10.053	10.050	(0.987)	227449	21.1047	21
104	1,3-Dichlorobenzene	146	10.112	10.119	(0.993)	143316	19.3720	19
105	1,4-Dichlorobenzene	146	10.190	10.198	(1.001)	153286	19.7859	20
106	1,2-Dichlorobenzene	146	10.554	10.562	(1.037)	151202	20.3785	20
107	Benzyl Chloride	126	10.407	10.404	(1.022)	41315	18.6173	19
108	n-Butylbenzene	91	10.407	10.404	(1.022)	405108	20.0163	20
111	1,2-Dibromo-3-chloropropane	75	11.253	11.250	(1.105)	23166	20.7117	21
112	Nitrobenzene	77	11.744	11.742	(1.154)	58209	243.987	240
113	1,2,4-Trichlorobenzene	180	11.862	11.860	(1.165)	74199	21.7485	22
114	Hexachlorobutadiene	225	11.843	11.840	(1.163)	25201	22.0374	22
115	Naphthalene	128	12.138	12.136	(1.192)	241405	21.5304	22
116	1,2,3-Trichlorobenzene	180	12.305	12.303	(1.209)	73294	24.7848	25
$ 117	Bromofluorobenzene	95	9.207	9.205	(0.904)	89838	23.7744	24
M 118	1,2-Dichloroethene (total)	100				216211	34.0409	34
M 119	Xylene (total)	100				435187	56.1780	56

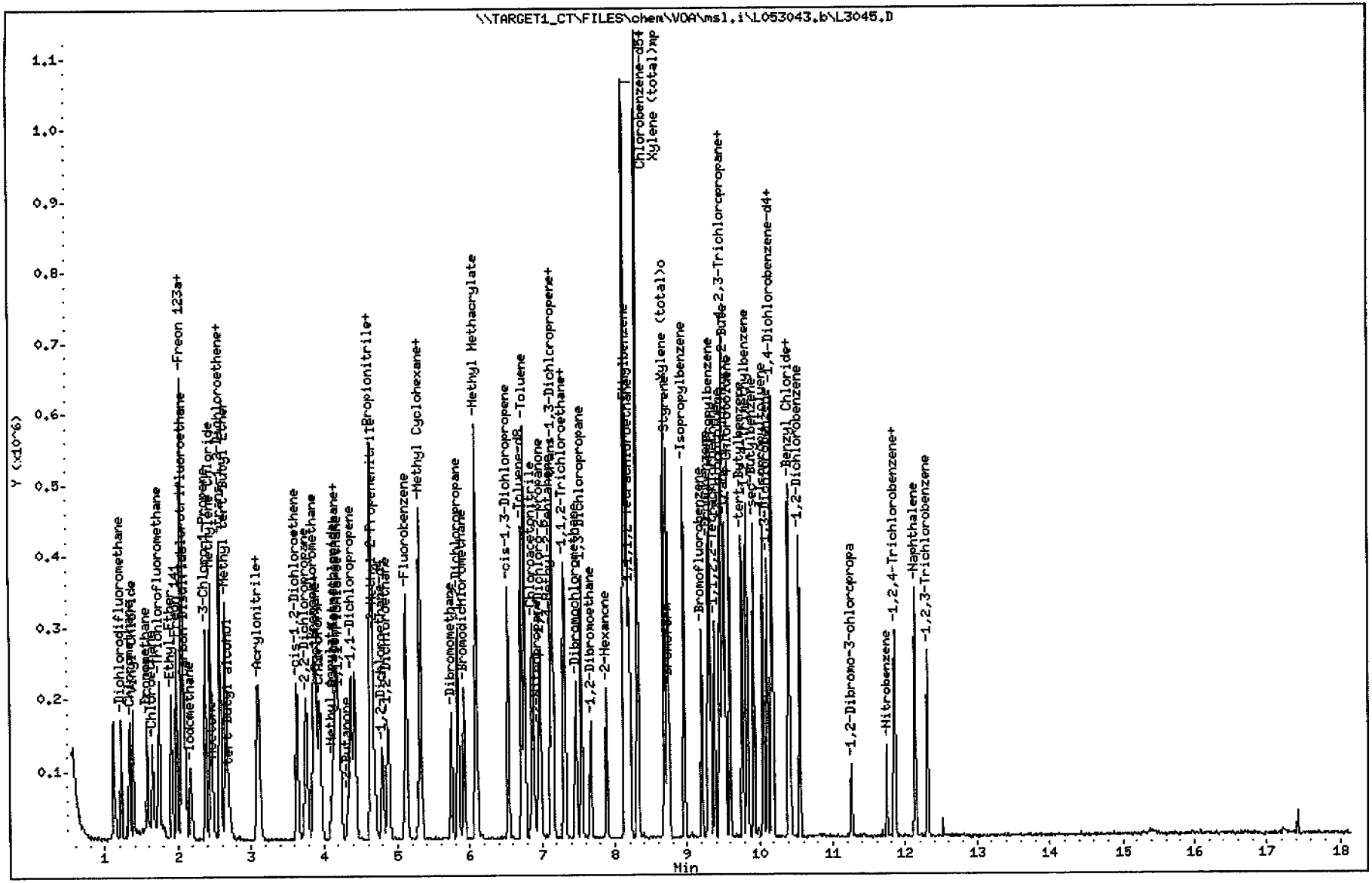
QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\TARGET1_CT\FILES\chem\VOA\msl.i\L053043.b\L3045.D
Date : 17-AUG-2005 09:53
Client ID: LCSV05GWRK012
Sample Info: LCSV05GWRK012
Purge Volume: 5.0
Column phase: RTX-624

Instrument: msl.i

Operator: D. HUMBERT
Column diameter: 0.53



QUALITY CONTROL RESULTS

Job Number.: 210611 Report Date.: 09/09/2005

CUSTOMER: ERM PROJECT: RABCO PRODUCTS ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V05GWRK012	54020 -002		08/30/2005	0932

Test Method.....: 8260B Equipment Code....: MSL Analyst...: pam
Method Description.: Volatile Organics (5mL Purge) Batch.....: 54376

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride, TCLP	mg/L	0.015044		0.020000		75	%	51-139	
1,1-Dichloroethene, TCLP	mg/L	0.016781		0.020000		84	%	57-137	
2-Butanone (MEK), TCLP	mg/L	0.020328		0.020000		102	%	30-222	
Chloroform, TCLP	mg/L	0.018183		0.020000		91	%	70-124	
Carbon tetrachloride, TCLP	mg/L	0.018974		0.020000		95	%	56-131	
Benzene, TCLP	mg/L	0.017670		0.020000		88	%	68-126	
1,2-Dichloroethane, TCLP	mg/L	0.019100		0.020000		95	%	68-124	
Trichloroethene, TCLP	mg/L	0.018005		0.020000		90	%	58-125	
Tetrachloroethene, TCLP	mg/L	0.016976		0.020000		85	%	62-118	
Chlorobenzene, TCLP	mg/L	0.018049		0.020000		90	%	71-114	

 * %=% 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\L053304.b\L3305.D
Lab Smp Id: LCSV05GWRK012 Client Smp ID: LCSV05GWRK012
Inj Date : 30-AUG-2005 09:32 MS Autotune Date: 26-APR-2004 14:21
Operator : D. HUMBERT Inst ID: msl.i
Smp Info : LCSV05GWRK012
Misc Info : : LCS;;; 020PPB_QCS ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msl.i\L053304.b\L8260BFW.m
Meth Date : 30-Aug-2005 14:11 dave Quant Type: ISTD
Cal Date : 05-AUG-2005 13:31 Cal File: L2715.D
Als bottle: 53 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 8/30/05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.122	5.126	(1.000)	291590	25.0000	
2 Dichlorodifluoromethane	85	1.217	1.221	(0.238)	59901	13.4316	13
3 Chloromethane	50	1.335	1.329	(0.261)	80899	13.1228	13
4 Vinyl Chloride	62	1.385	1.378	(0.270)	81925	15.0435	15
5 Bromomethane	94	1.571	1.575	(0.307)	71203	20.0126	20
6 Chloroethane	64	1.650	1.654	(0.322)	58958	17.0841	17
7 Trichlorofluoromethane	101	1.739	1.742	(0.340)	109652	16.5093	16
9 Ethyl Ether	45	1.916	1.909	(0.374)	59419	20.8259	21
10 Freon 141	81	1.985	1.978	(0.388)	147075	22.8461	23
11 Freon 123a	67	2.053	2.057	(0.401)	22217	15.7788	16
12 Trichlorotrifluoroethane	101	2.073	2.077	(0.405)	74979	21.0662	21
13 1,1-Dichloroethene	96	2.063	2.057	(0.403)	71722	16.7810	17
14 Carbon Disulfide	76	2.103	2.106	(0.411)	152737	36.3178	36(R)
15 Iodomethane	142	2.171	2.165	(0.424)	59746	14.5805	14
16 3-Chloro-1-Propene	41	2.378	2.372	(0.464)	142663	24.2371	24
17 Methylene Chloride	84	2.447	2.450	(0.478)	118283	17.2863	17
18 Acetone	43	2.476	2.470	(0.484)	71943	24.2136	24
19 trans-1,2-Dichloroethene	96	2.585	2.578	(0.505)	83868	15.6380	16
20 Methyl tert-Butyl Ether	73	2.653	2.657	(0.518)	295245	19.6604	20
22 tert-Butyl alcohol	59	2.693	2.696	(0.526)	57297	67.1858	67
23 Methyl Acetate	43	2.565	2.568	(0.501)	230296	20.4606	20
27 Acrylonitrile	53	3.116	3.080	(0.608)	80446	19.9894	20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
29	1,1-Dichloroethane	63	3.096	3.100	(0.604)	187695	18.6343	19
31	cis-1,2-Dichloroethene	96	3.637	3.641	(0.710)	100988	17.4488	17
32	2,2-Dichloropropane	77	3.765	3.768	(0.735)	153157	20.2492	20
33	Bromochloromethane	128	3.873	3.867	(0.756)	54753	17.6640	18
35	Chloroform	83	3.952	3.955	(0.772)	172653	18.1834	18
37	Methyl Acrylate	55	4.119	4.113	(0.804)	101681	18.4629	18
$ 38	Dibromofluoromethane	111	4.188	4.181	(0.818)	79244	22.9182	23
39	Tetrahydrofuran	42	4.188	4.172	(0.818)	65043	36.5909	36
40	1,1,1-Trichloroethane	97	4.227	4.221	(0.825)	126065	18.7262	19
41	Carbon Tetrachloride	117	4.148	4.152	(0.810)	103446	18.9745	19
42	2-Butanone	43	4.335	4.329	(0.846)	70630	20.3276	20
43	1,1-Dichloropropene	75	4.375	4.368	(0.854)	124028	17.3458	17
44	Cyclohexane	84	3.902	3.906	(0.762)	94313	26.3971	26
47	1-Chlorobutane	56	3.902	3.896	(0.762)	103799	26.3835	26
48	Propionitrile	54	4.650	4.644	(0.908)	160302	171.793	170
49	Isobutyl alcohol	42	5.309	4.909	(1.036)	20900	136.827	140
50	Benzene	78	4.660	4.663	(0.910)	347782	17.6696	18
51	2-Methyl-2-Propenenitrile	41	4.679	4.683	(0.914)	78183	17.4246	17
$ 52	1,2-Dichloroethane-d4	65	4.807	4.801	(0.939)	99360	22.3443	22
53	1,2-Dichloroethane	62	4.876	4.880	(0.952)	146476	19.0995	19
57	Methyl Cyclohexane	83	5.309	5.313	(1.036)	76593	24.6377	25
58	Trichloroethene	130	5.319	5.322	(1.038)	89669	18.0048	18
59	Dibromomethane	93	5.742	5.745	(1.121)	63067	16.6394	17
60	1,2-Dichloropropane	63	5.840	5.844	(1.140)	105597	18.4214	18
61	Bromodichloromethane	83	5.919	5.922	(1.156)	122700	17.5755	18
62	Methyl Methacrylate	69	6.086	6.090	(1.188)	170773	41.2575	41
63	1,4-Dioxane	58	6.155	6.129	(1.202)	8799	191.740	190
65	cis-1,3-Dichloropropene	75	6.538	6.542	(1.276)	160522	17.9424	18
66	2-Nitropropane	41	6.961	6.955	(1.359)	75303	35.9082	36
67	Chloroacetonitrile	48	6.873	6.876	(1.342)	88315	350.830	350
68	trans-1,3-Dichloropropene	75	7.158	7.152	(1.397)	153189	18.0216	18
69	1,1,2-Trichloroethane	97	7.296	7.299	(1.424)	87518	17.9310	18
* 70	Chlorobenzene-d5	117	8.132	8.135	(1.000)	232023	25.0000	
71	Toluene	91	6.765	6.768	(0.832)	337079	17.7426	18
$ 72	Toluene-d8	98	6.715	6.719	(0.826)	239306	22.7692	23
73	1,1-Dichloro-2-propanone	43	6.981	6.985	(0.858)	313706	81.9061	82
74	4-Methyl-2-Pentanone	43	7.119	7.112	(0.875)	116785	18.0064	18
75	Tetrachloroethene	164	7.138	7.142	(0.878)	53832	16.9765	17
76	Ethyl Methacrylate	69	7.315	7.319	(0.900)	92946	12.4814	12
77	Dibromochloromethane	129	7.463	7.467	(0.918)	97299	18.0494	18
78	1,3-Dichloropropane	76	7.542	7.545	(0.927)	159209	18.5356	18
79	1,2-Dibromoethane	107	7.669	7.673	(0.943)	91702	16.7991	17
81	2-Hexanone	43	7.886	7.880	(0.970)	94619	19.7002	20
82	1-Chlorohexane	91	8.142	8.135	(1.001)	86683	17.5650	18
83	Chlorobenzene	112	8.151	8.145	(1.002)	218506	18.0491	18
84	1,1,1,2-Tetrachloroethane	131	8.210	8.204	(1.010)	81359	18.3940	18
85	Ethylbenzene	106	8.181	8.175	(1.006)	102020	17.6195	18
86	Xylene (total)mp	106	8.309	8.312	(1.022)	246138	33.6160	34
87	Xylene (total)o	106	8.683	8.686	(1.068)	124755	17.2138	17
88	Styrene	104	8.732	8.735	(1.074)	214828	16.7745	17
89	Bromoform	173	8.751	8.755	(1.076)	62087	17.2960	17
* 90	1,4-Dichlorobenzene-d4	152	10.178	10.181	(1.000)	95924	25.0000	
91	Isopropylbenzene	105	8.958	8.962	(0.880)	263239	16.9602	17
92	1,1,2,2-Tetrachloroethane	83	9.381	9.384	(0.922)	119745	18.7569	19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
93 Bromobenzene	156	9.292	9.296	(0.913)	83458	17.2754	17
94 1,2,3-Trichloropropane	110	9.499	9.493	(0.933)	33703	18.7774	19
95 trans-1,4-Dichloro-2-Butene	53	9.528	9.532	(0.936)	70728	41.8790	42
96 n-Propylbenzene	91	9.322	9.325	(0.916)	306013	16.7962	17
97 2-Chlorotoluene	91	9.460	9.453	(0.929)	213668	17.9318	18
98 4-Chlorotoluene	91	9.597	9.601	(0.943)	220845	17.5405	18
99 1,3,5-Trimethylbenzene	105	9.499	9.493	(0.933)	205159	17.3345	17
100 tert-Butylbenzene	119	9.774	9.768	(0.960)	165272	17.8225	18
101 1,2,4-Trimethylbenzene	105	9.833	9.837	(0.966)	208734	17.0217	17
102 sec-Butylbenzene	105	9.922	9.925	(0.975)	240853	18.7583	19
103 4-Isopropyltoluene	119	10.050	10.053	(0.987)	200594	18.3969	18
104 1,3-Dichlorobenzene	146	10.119	10.112	(0.994)	127277	17.0044	17
105 1,4-Dichlorobenzene	146	10.197	10.191	(1.002)	136451	17.4085	17
106 1,2-Dichlorobenzene	146	10.551	10.555	(1.037)	127733	17.0157	17
107 Benzyl Chloride	126	10.404	10.407	(1.022)	33614	14.9713	15
108 n-Butylbenzene	91	10.414	10.407	(1.023)	349997	17.0927	17
111 1,2-Dibromo-3-chloropropane	75	11.250	11.253	(1.105)	18594	16.4312	16
112 Nitrobenzene	77	11.741	11.735	(1.154)	48975	202.900	200
113 1,2,4-Trichlorobenzene	180	11.859	11.853	(1.165)	65183	18.8841	19
114 Hexachlorobutadiene	225	11.840	11.843	(1.163)	22248	19.2294	19
115 Naphthalene	128	12.135	12.138	(1.192)	217014	19.1304	19
116 1,2,3-Trichlorobenzene	180	12.302	12.306	(1.209)	60630	20.2645	20
$ 117 Bromofluorobenzene	95	9.204	9.207	(0.904)	87329	22.8423	23
M 118 1,2-Dichloroethene (total)	100				184856	33.0868	33
M 119 Xylene (total)	100				370893	50.8298	51

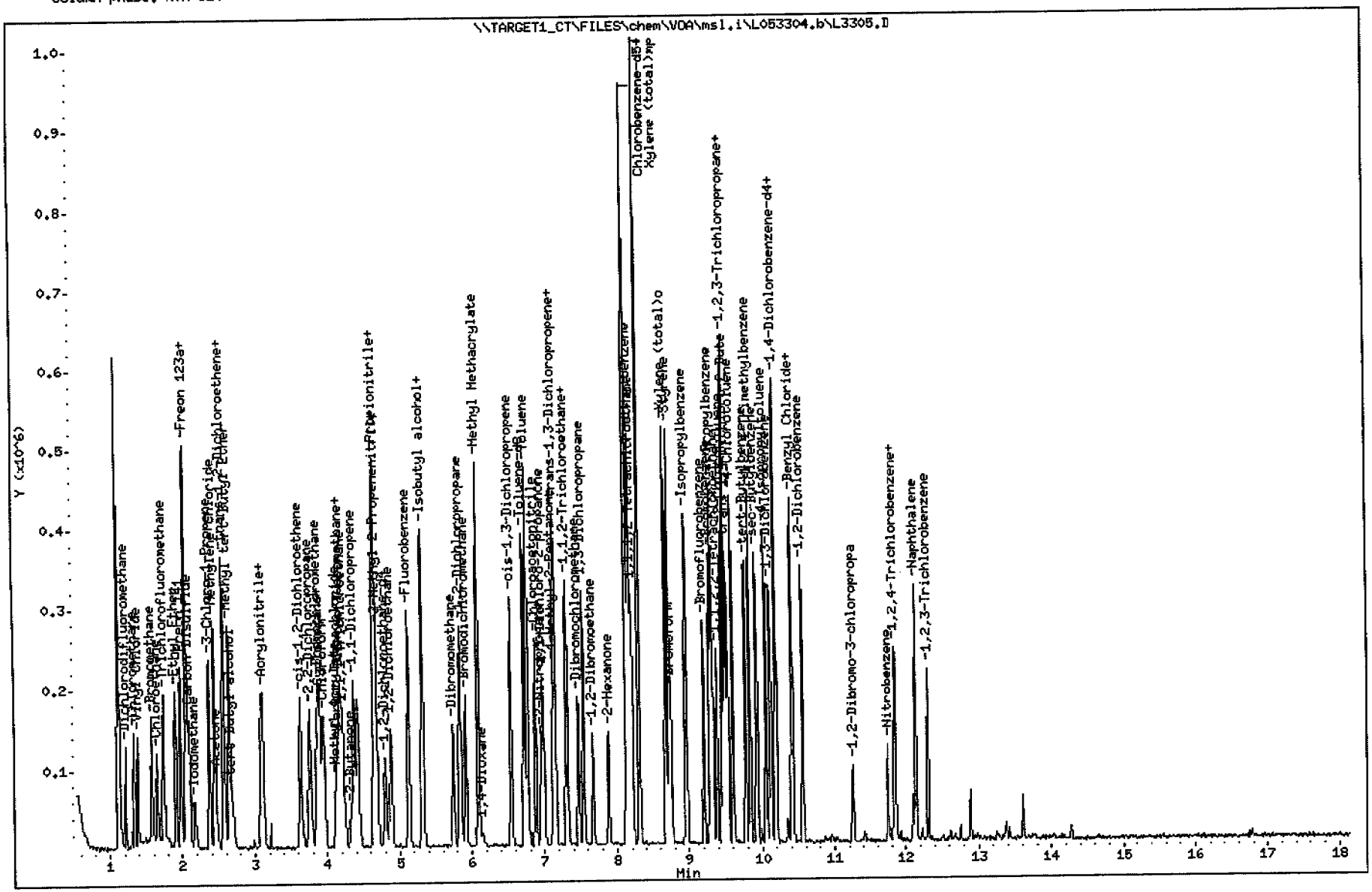
QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\TARGET1_CT\FILES\chem\VOA\msl.i\L053304.b\L3305.D
Date : 30-AUG-2005 09:32
Client ID: LCSV05GWRK012
Sample Info: LCSV05GWRK012
Purge Volume: 5.0
Column phase: RTX-624

Instrument: msl.i

Operator: D. HUMBERT
Column diameter: 0.53



SURROGATE RECOVERIES REPORT

Job Number.: 210611 Report Date.: 09/09/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

Method.....: Semivolatile Organics Method Code...: 8270 Prep Batch....: 54122
Batch(s).....: 54365 Test Matrix...: TCLP Equipment Code: MSU

Lab ID	DT	Sample ID	Date	246TBP	2FLUBP	2FLUPH	NITRD5	PHEND5	TERD14
EB1-54122-3			09/02/2005	94	87	59	85	48	100
LCS-54122-4			09/02/2005	107	98	72	100	54	102
MB-54122-1			09/02/2005	71	61	35	60	24	81
210611- 1		WC-03	09/02/2005	96	84	64	84	52	95

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.: 210611 Report Date.: 09/08/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	E05DSPK006	54122 -004		09/02/2005	1755

Test Method.....: 8270C Equipment Code....: MSU Analyst...: epm
Method Description.: Semivolatile Organics Batch.....: 54365

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Pyridine, TCLP	mg/L	0.03226 J		0.08000	0.00462 U	40	%	10-107	
1,4-Dichlorobenzene, TCLP	mg/L	0.06026		0.08000	0.00092 U	75	%	32-104	
2-Methylphenol, TCLP	mg/L	0.06614		0.08000	0.00118 U	83	%	42-117	
Hexachloroethane, TCLP	mg/L	0.05873		0.08000	0.00212 U	73	%	28-105	
4-Methylphenol, TCLP	mg/L	0.14301		0.16000	0.00066 U	89	%	37-117	
Nitrobenzene, TCLP	mg/L	0.08034		0.08000	0.00158 U	100	%	44-120	
Hexachlorobutadiene, TCLP	mg/L	0.07141		0.08000	0.00168 U	89	%	28-110	
2,4,6-Trichlorophenol, TCLP	mg/L	0.07955		0.08000	0.00158 U	99	%	50-121	
2,4,5-Trichlorophenol, TCLP	mg/L	0.08008 J		0.08000	0.00156 U	100	%	50-126	
2,4-Dinitrotoluene, TCLP	mg/L	0.08165		0.08000	0.00160 U	102	%	55-130	
Hexachlorobenzene, TCLP	mg/L	0.07500		0.08000	0.00214 U	94	%	54-129	
Pentachlorophenol, TCLP	mg/L	0.07945 J		0.08000	0.01008 U	99	%	35-154	

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

54122-1MB

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210542 SAS No.: SDG No.: 210611

Lab File ID: U0923 Lab Sample ID: 54122-1MB

Instrument ID: MSU Date Extracted: 09/01/05

Matrix: (soil/water) WATER Date Analyzed: 09/02/05

Level: (low/med) LOW Time Analyzed: 1637

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	54122-3EB1	54122-3EB1	U0925	09/02/05
02	54122-4LCS	54122-4LCS	U0926	09/02/05
03	WC-03	210611-1	U0931	09/02/05
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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.: 210542 SAS No.: SDG No.: 210611

Lab File ID: US0915 DFTPP Injection Date: 09/02/05

Instrument ID: MSU DFTPP Injection Time: 1307

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	36.7
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	43.5
70	Less than 2.0% of mass 69	0.3 (0.6)1
127	40.0 - 60.0% of mass 198	48.7
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.3
275	10.0 - 30.0% of mass 198	19.2
365	1.0 - 100.0% of mass 198	2.3
441	Present, but less than mass 443	7.2
442	40.0 - 100.0% of mass 198	50.1
443	17.0 - 23.0% of mass 442	10.0 (20.0)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	SSTD040	SSTD040	U0916	09/02/05	1334
02	SSTD4/10	SSTD4/10	U0917	09/02/05	1400
03	SSTD10/25	SSTD10/25	U0918	09/02/05	1426
04	SSTD20/30	SSTD20/30	U0919	09/02/05	1452
05	SSTD060	SSTD060	U0920	09/02/05	1518
06	SSTD080	SSTD080	U0921	09/02/05	1544
07	54122-1MB	54122-1MB	U0923	09/02/05	1637
08	54122-3EB1	54122-3EB1	U0925	09/02/05	1729
09	54122-4LCS	54122-4LCS	U0926	09/02/05	1755
10	WC-03	210611-1	U0931	09/02/05	2003
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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210542 SAS No.: SDG No.: 210611

Lab File ID (Standard): U0916 Date Analyzed: 09/02/05

Instrument ID: MSU Time Analyzed: 1334

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	258680	3.90	1154895	5.62	827012	8.48
	UPPER LIMIT	517360	4.40	2309790	6.12	1654024	8.98
	LOWER LIMIT	129340	3.40	577448	5.12	413506	7.98
	EPA SAMPLE NO.						
01	54122-1MB	308212	3.89	1304094	5.62	975307	8.48
02	54122-3EB1	272522	3.90	1110051	5.62	784505	8.48
03	54122-4LCS	270139	3.89	1022654	5.62	791807	8.48
04	WC-03	287180	3.90	1157482	5.62	824729	8.48
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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.

FORM VIII SV-1

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210542 SAS No.: SDG No.: 210611

Lab File ID (Standard): U0916 Date Analyzed: 09/02/05

Instrument ID: MSU Time Analyzed: 1334

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1669752	10.08	1604674	12.42	1328237	14.19
	UPPER LIMIT	3339504	10.58	3209348	12.92	2656474	14.69
	LOWER LIMIT	834876	9.58	802337	11.92	664119	13.69
	EPA SAMPLE NO.						
01	54122-1MB	1997850	10.08	1757506	12.41	1302289	14.18
02	54122-3EB1	1426939	10.08	1434448	12.42	1108018	14.19
03	54122-4LCS	1651074	10.08	1435090	12.41	1058238	14.18
04	WC-03	1659789	10.08	1311196	12.41	1001481	14.18
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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	4	10	20	40	60	80
2,4-Dinitrophenol	10	25	30	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	4	10	20	40	60	80
4-nitrophenol	10	25	30	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	4	10	20	40	60	80
pentachlorophenol	10	25	30	40	60	80
n-nitrosodiphenylamine=diphenylamine	4	10	20	40	60	80
4,6-Dinitro-2-methylphenol	10	25	30	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	4	10	20	40	60	80
Prometon	0.8	2	4	8	12	16
Simazine	0.8	2	4	8	12	16

Surrogates:

2-Fluorophenol	4	10	20	40	60	80
Phenol-d5	4	10	20	40	60	80
Nitrobenzene-d5	4	10	20	40	60	80
2-Fluorobiphenyl	4	10	20	40	60	80
2,4,6-Tribromophenol	10	25	30	40	60	80
Terphenyl-d14	4	10	20	40	60	80

DETECTION LIMIT STUDY

Method.....:8270C
Analyst.....: Dawn May
Equipment ID.:HP,MSU
Analysis Date:04/06/2005(grp 1)

Date..:2005-04-11
Units.:ug/L
Batch.:47000
T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
Pyridine	Water	2.12	ug/L	3.384190	0.304813	
Raw Data: 3.55713 3.56320 3.03224						
n-Nitrosodimethylamine	Water	0.97	ug/L	3.992507	0.138876	
Raw Data: 3.85809 3.98398 4.13545						
Cyclohexanone	Water	0.19	ug/L	4.493503	0.027356	
Raw Data: 4.51057 4.50799 4.46195						
Benzaldehyde	Water	1.17	ug/L	4.400447	0.168603	
Raw Data: 4.41090 4.22686 4.56358						
Phenol	Water	1.38	ug/L	3.628650	0.197997	
Raw Data: 3.53535 3.49454 3.85606						
Aniline	Water	0.79	ug/L	3.454717	0.113086	
Raw Data: 3.53431 3.32527 3.50457						
Bis(2-chloroethyl)ether	Water	0.82	ug/L	3.854703	0.117731	
Raw Data: 3.98515 3.82262 3.75634						
2-Chlorophenol	Water	0.92	ug/L	3.886777	0.131822	
Raw Data: 3.98151 3.94259 3.73623						
1,3-Dichlorobenzene	Water	0.17	ug/L	3.988453	0.024645	
Raw Data: 3.96132 4.00945 3.99459						
1,4-Dichlorobenzene	Water	0.41	ug/L	4.006467	0.058659	
Raw Data: 4.03626 3.93889 4.04425						
Benzyl alcohol	Water	0.10	ug/L	3.124657	0.014039	
Raw Data: 3.11134 3.12331 3.13932						
1,2-Dichlorobenzene	Water	0.93	ug/L	3.870390	0.133583	
Raw Data: 3.99867 3.88043 3.73207						
2,2-oxybis (1-chloropropane)	Water	0.66	ug/L	4.070590	0.094435	
Raw Data: 4.05392 3.98560 4.17225						
2-Methylphenol	Water	0.32	ug/L	3.565063	0.046600	
Raw Data: 3.52433 3.61588 3.55498						
Acetophenone	Water	0.42	ug/L	3.902630	0.060232	
Raw Data: 3.92695 3.94690 3.83404						
Hexachloroethane	Water	0.60	ug/L	3.938467	0.086558	
Raw Data: 3.87318 4.03665 3.90557						
n-Nitroso-di-n-propylamine	Water	0.42	ug/L	3.794537	0.060417	
Raw Data: 3.84730 3.80768 3.72863						
4-Methylphenol	Water	0.40	ug/L	3.770830	0.057523	
Raw Data: 3.78875 3.81726 3.70648						
Nitrobenzene	Water	0.84	ug/L	3.929317	0.120258	
Raw Data: 4.02819 3.96432 3.79544						
Isophorone	Water	1.70	ug/L	3.764310	0.244126	
Raw Data: 3.90428 3.90623 3.48242						

DETECTION LIMIT STUDY

Method.....:8270C
Analyst.....:Dawn May
Equipment ID.:HP,MSU
Analysis Date:04/06/2005(grp 1)

Date..:2005-04-11
Units.:ug/L
Batch.:47000
T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
2-Nitrophenol	Water	0.38	ug/L	3.660927	0.054661	
Raw Data: 3.64810 3.72086 3.61382						
2,4-Dimethylphenol	Water	0.67	ug/L	3.371370	0.096810	
Raw Data: 3.34613 3.47830 3.28968						
Benzoic acid	Water	3.74	ug/L	7.034717	0.537575	
Raw Data: 7.51227 6.45251 7.13937						
Bis(2-chloroethoxy)methane	Water	0.39	ug/L	4.054420	0.056268	
Raw Data: 4.11122 3.99870 4.05334						
2,4-Dichlorophenol	Water	0.79	ug/L	3.768290	0.113500	
Raw Data: 3.82853 3.83897 3.63737						
1,2,4-Trichlorobenzene	Water	1.01	ug/L	3.943287	0.144618	
Raw Data: 3.93188 4.09327 3.80471						
Naphthalene	Water	0.42	ug/L	4.016790	0.060722	
Raw Data: 4.03510 3.94902 4.06625						
4-Chloroaniline	Water	0.66	ug/L	3.719483	0.094379	
Raw Data: 3.69560 3.82351 3.63934						
Hexachlorobutadiene	Water	1.04	ug/L	3.777170	0.148693	
Raw Data: 3.60761 3.88533 3.83857						
Caprolactam	Water	0.07	ug/L	3.769840	0.009544	
Raw Data: 3.78068 3.76614 3.76270						
4-Chloro-3-methylphenol	Water	0.85	ug/L	3.414760	0.121376	
Raw Data: 3.53086 3.42470 3.28872						
2-Methylnaphthalene	Water	0.32	ug/L	4.020357	0.046037	
Raw Data: 4.04326 4.05045 3.96736						
2,4,5-Trichlorotoluene	Water	0.51	ug/L	3.932427	0.072655	
Raw Data: 3.92363 4.00908 3.86457						
2,4,6-Trichlorophenol	Water	1.57	ug/L	3.675540	0.225740	
Raw Data: 3.86967 3.72912 3.42783						
2,4,5-Trichlorophenol	Water	0.76	ug/L	9.509047	0.108450	
Raw Data: 9.38440 9.58180 9.56094						
1,1'-Biphenyl	Water	1.35	ug/L	3.936830	0.193807	
Raw Data: 4.01659 4.07803 3.71587						
2-Chloronaphthalene	Water	0.42	ug/L	3.930847	0.059881	
Raw Data: 3.98610 3.93922 3.86722						
2-Nitroaniline	Water	0.15	ug/L	3.803007	0.021795	
Raw Data: 3.82815 3.78950 3.79137						
Acenaphthylene	Water	0.45	ug/L	3.828823	0.065032	
Raw Data: 3.78019 3.90269 3.80359						
Dimethyl phthalate	Water	1.47	ug/L	3.869480	0.211186	
Raw Data: 4.00733 3.97476 3.62635						

DETECTION LIMIT STUDY

Method.....:8270C
Analyst.....:Dawn May
Equipment ID.:HP,MSU
Analysis Date:04/06/2005(grp 1)

Date..:2005-04-11
Units.:ug/L
Batch.:47000
T-Val.:6.965

COMPOUND/ELEMENT/TEST				Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
2,6-Dinitrotoluene				Water	0.57	ug/L	3.586063	0.082441	
Raw Data:	3.52307	3.67937	3.55575						
Acenaphthene				Water	0.49	ug/L	3.877853	0.070471	
Raw Data:	3.82950	3.95871	3.84535						
3-Nitroaniline				Water	0.61	ug/L	3.462020	0.086926	
Raw Data:	3.36586	3.53502	3.48518						
2,4-Dinitrophenol				Water	1.56	ug/L	6.674920	0.224445	
Raw Data:	6.91272	6.64526	6.46678						
Dibenzofuran				Water	0.30	ug/L	3.872163	0.042395	
Raw Data:	3.88693	3.90520	3.82436						
2,4-Dinitrotoluene				Water	0.80	ug/L	3.702530	0.114841	
Raw Data:	3.69460	3.82113	3.59186						
4-Nitrophenol				Water	5.67	ug/L	9.059263	0.813801	
Raw Data:	9.99289	8.50010	8.68480						
Fluorene				Water	0.33	ug/L	3.686280	0.047472	
Raw Data:	3.69454	3.72908	3.63522						
4-Chlorophenyl phenyl ether				Water	0.50	ug/L	3.731080	0.071892	
Raw Data:	3.80831	3.66610	3.71883						
Diethyl phthalate				Water	0.64	ug/L	3.905527	0.092134	
Raw Data:	3.98357	3.92912	3.80389						
4-Nitroaniline				Water	0.76	ug/L	3.973527	0.108525	
Raw Data:	4.06059	4.00805	3.85194						
4,6-Dinitro-2-methylphenol				Water	3.17	ug/L	8.131253	0.454765	
Raw Data:	8.62522	8.03857	7.72997						
n-Nitrosodiphenylamine				Water	1.84	ug/L	3.605413	0.263658	
Raw Data:	3.86244	3.33559	3.61821						
1,2-Diphenylhydrazine				Water	1.12	ug/L	3.810380	0.160255	
Raw Data:	3.93679	3.63014	3.86421						
4-Bromophenyl phenyl ether				Water	0.70	ug/L	3.661510	0.100023	
Raw Data:	3.76549	3.65306	3.56598						
Prometon				Water	0.35	ug/L	0.708807	0.049566	
Raw Data:	0.76277	0.69834	0.66531						
Simazine				Water	0.23	ug/L	0.754557	0.033647	
Raw Data:	0.77302	0.77493	0.71572						
Atrazine				Water	0.41	ug/L	2.939080	0.058550	
Raw Data:	2.92265	3.00409	2.89050						
Hexachlorobenzene				Water	1.63	ug/L	3.639740	0.233480	
Raw Data:	3.90006	3.44885	3.57031						
Pentachlorophenol				Water	2.01	ug/L	7.739520	0.288957	
Raw Data:	8.03414	7.72784	7.45658						

DETECTION LIMIT STUDY

Method.....:8270C
Analyst.....:Dawn May
Equipment ID.:HP,MSU
Analysis Date:04/06/2005(grp 1)

Date..:2005-04-11
Units.:ug/L
Batch.:47000
T-Val.:6.965

COMPOUND/ELEMENT/TEST				Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
Phenanthrene				Water	1.44	ug/L	3.816500	0.206121	
Raw Data:	4.04639	3.64818	3.75493						
Carbazole				Water	0.53	ug/L	3.698317	0.075701	
Raw Data:	3.75337	3.61199	3.72959						
Anthracene				Water	1.97	ug/L	3.589597	0.282674	
Raw Data:	3.90101	3.34921	3.51857						
Di-n-butyl phthalate				Water	1.97	ug/L	3.592727	0.283389	
Raw Data:	3.86790	3.60850	3.30178						
Fluoranthene				Water	2.22	ug/L	3.668337	0.318811	
Raw Data:	4.01331	3.38456	3.60714						
Pyrene				Water	0.32	ug/L	3.221050	0.045797	
Raw Data:	3.27177	3.20865	3.18273						
Butyl benzyl phthalate				Water	0.30	ug/L	3.343470	0.042386	
Raw Data:	3.37341	3.36203	3.29497						
3,3-Dimethylbenzidine				Water	1.50	ug/L	4.398750	0.215597	
Raw Data:	4.62482	4.19543	4.37600						
3,3-Dichlorobenzidine				Water	1.58	ug/L	3.654130	0.226824	
Raw Data:	3.73636	3.39766	3.82837						
Benzo(a)anthracene				Water	0.78	ug/L	3.759267	0.112090	
Raw Data:	3.88414	3.72631	3.66735						
Chrysene				Water	1.05	ug/L	3.834827	0.151456	
Raw Data:	4.00781	3.77062	3.72605						
Bis(2-ethylhexyl)phthalate				Water	1.20	ug/L	3.342167	0.172570	
Raw Data:	3.46862	3.41231	3.14557						
Di-n-octyl phthalate				Water	1.50	ug/L	3.631540	0.216070	
Raw Data:	3.53593	3.87892	3.47977						
Benzo(b)fluoranthene				Water	1.27	ug/L	3.743363	0.182087	
Raw Data:	3.94145	3.58327	3.70537						
Benzo(k)fluoranthene				Water	1.73	ug/L	4.080303	0.247803	
Raw Data:	3.80296	4.15801	4.27994						
Benzo(a)pyrene				Water	0.80	ug/L	3.809377	0.114557	
Raw Data:	3.79647	3.70182	3.92984						
Indeno(1,2,3-cd)pyrene				Water	0.70	ug/L	3.680957	0.099842	
Raw Data:	3.75301	3.56699	3.72287						
Dibenzo(a,h)anthracene				Water	0.24	ug/L	3.150857	0.034229	
Raw Data:	3.11448	3.15566	3.18243						
Benzo(ghi)perylene				Water	0.40	ug/L	3.337377	0.056990	
Raw Data:	3.38979	3.27671	3.34563						

LABORATORY TEST RESULTS

Job Number: 210611

Date:09/08/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: WC-03
Date Sampled.....: 08/24/2005
Time Sampled.....: 10:15
Sample Matrix.....: Soil

Laboratory Sample ID: 210611-1
Date Received.....: 08/25/2005
Time Received.....: 09:20

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	1.00000	mg/L	54365		09/02/05 2003	epm
	1,4-Dichlorobenzene, TCLP	ND	U		0.0009	0.020	1.00000	mg/L	54365		09/02/05 2003	epm
	2-Methylphenol, TCLP	ND	U		0.001	0.020	1.00000	mg/L	54365		09/02/05 2003	epm
	Hexachloroethane, TCLP	ND	U		0.002	0.020	1.00000	mg/L	54365		09/02/05 2003	epm
	4-Methylphenol, TCLP	ND	U		0.0007	0.020	1.00000	mg/L	54365		09/02/05 2003	epm
	Nitrobenzene, TCLP	ND	U		0.002	0.020	1.00000	mg/L	54365		09/02/05 2003	epm
	Hexachlorobutadiene, TCLP	ND	U		0.002	0.020	1.00000	mg/L	54365		09/02/05 2003	epm
	2,4,6-Trichlorophenol, TCLP	ND	U		0.002	0.020	1.00000	mg/L	54365		09/02/05 2003	epm
	2,4,5-Trichlorophenol, TCLP	ND	U		0.002	0.10	1.00000	mg/L	54365		09/02/05 2003	epm
	2,4-Dinitrotoluene, TCLP	ND	U		0.002	0.020	1.00000	mg/L	54365		09/02/05 2003	epm
	Hexachlorobenzene, TCLP	ND	U		0.002	0.020	1.00000	mg/L	54365		09/02/05 2003	epm
	Pentachlorophenol, TCLP	ND	U		0.010	0.10	1.00000	mg/L	54365		09/02/05 2003	epm

* In Description = Dry Wgt.

STL-Connecticut

Semivolatile REPORT SW-846 Method 8270

Data file : \\target1_ct\files\chem\BNA\msu.i\U050911.b\U0931.D
Lab Smp Id: 210611-1 Client Smp ID: WC-03
Inj Date : 02-SEP-2005 20:03 MS Autotune Date: 04-FEB-2005 14:15
Operator : e. martin Inst ID: msu.i
Smp Info : 210611-1
Misc Info : :C ;54122;0.500
Comment :
Method : \\target1_ct\files\chem\BNA\msu.i\U050911.b\MSU8270.m
Meth Date : 08-Sep-2005 10:28 kathrinw Quant Type: ISTD
Cal Date : 02-SEP-2005 15:44 Cal File: U0921.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: tclp.sub
Target Version: 4.10
Processing Host: CONMSRNT

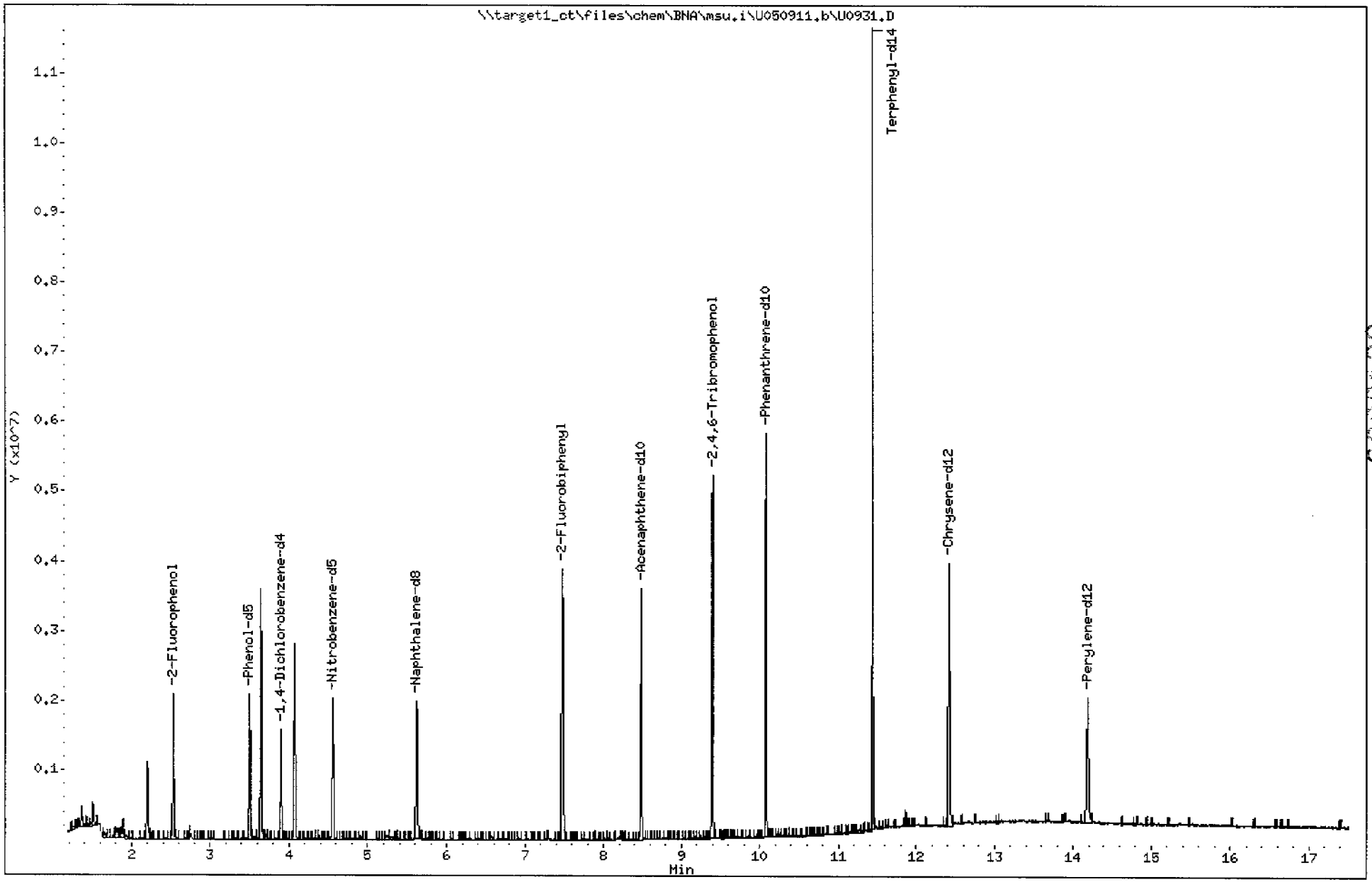
Concentration Formula: Amt * DF * Uf * Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	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	3.898	3.898	(1.000)	287180	20.0000	
$	2 2-Fluorophenol	112	2.526	2.525	(0.648)	706627	48.1474	96
$	3 Phenol-d5	99	3.503	3.498	(0.899)	777845	39.0869	78
*	20 Naphthalene-d8	136	5.624	5.624	(1.000)	1157482	20.0000	
$	21 Nitrobenzene-d5	82	4.556	4.561	(0.810)	767601	41.8318	84
*	35 Acenaphthene-d10	164	8.482	8.482	(1.000)	824729	20.0000	
$	40 2-Fluorobiphenyl	172	7.483	7.483	(0.882)	1936918	41.8537	84
$	56 2,4,6-Tribromophenol	330	9.401	9.401	(1.108)	498993	72.0561	140
*	57 Phenanthrene-d10	188	10.079	10.079	(1.000)	1659789	20.0000	
*	70 Chrysene-d12	240	12.414	12.419	(1.000)	1311196	20.0000	
$	73 Terphenyl-d14	244	11.442	11.442	(0.922)	2850052	47.3766	95
*	79 Perylene-d12	264	14.182	14.188	(1.000)	1001481	20.0000	

Data File: \\target1_ct\files\chem\BNA\msu.i\U050911.b\U0931.D
Date : 02-SEP-2005 20:03
Client ID: WC-03
Sample Info: 210611-1
Volume Injected (uL): 1.0
Column phase: RTX-5

Instrument: msu.i
Operator: e. martin
Column diameter: 0.25



6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210542 SAS No.: SDG No.: 210611

Instrument ID: MSU Calibration Date(s): 09/02/05 09/02/05

Calibration Time(s): 1334 1544

LAB FILE ID: RRF4 =U0917 RRF10 =U0918
RRF20 =U0919 RRF40 =U0916 RRF60 =U0920

COMPOUND	RRF4	RRF10	RRF20	RRF40	RRF60	$\overline{RRF}$	% RSD
Pyridine	0.434	0.412	0.358	0.387	0.334		
N-Nitrosodimethylamine	0.163	0.163	0.166	0.181	0.153		
Cyclohexanone	0.454	0.397	0.431	0.458	0.358		
Phenol	1.575	1.506	1.556	1.724	1.426		
Aniline	1.649	1.662	1.720	1.904	1.655		
bis(2-Chloroethyl)ether	0.643	0.641	0.700	0.798	0.669		
2-Chlorophenol	1.254	1.218	1.188	1.265	1.232		
1,3-Dichlorobenzene	1.432	1.455	1.463	1.607	1.489		
1,4-Dichlorobenzene	1.399	1.510	1.414	1.671	1.456		
Benzyl alcohol	0.646	0.671	0.659	0.796	0.636		
1,2-Dichlorobenzene	1.411	1.406	1.425	1.495	1.445		
2,2'-oxybis(1-Chloropropane)	1.273	1.201	1.217	1.256	1.204		
2-Methylphenol	1.062	1.147	1.120	1.289	1.137		
Hexachloroethane	0.620	0.625	0.616	0.719	0.640		
N-Nitroso-di-n-propylamine *	0.884	0.859	0.783	0.925	0.822		*
4-Methylphenol	1.091	1.174	1.161	1.386	1.088		
Nitrobenzene	0.301	0.274	0.284	0.310	0.294		
Isophorone	0.526	0.475	0.512	0.526	0.532		
2-Nitrophenol	0.163	0.166	0.170	0.169	0.182		
2,4-Dimethylphenol	0.243	0.237	0.239	0.272	0.263		
Benzoic Acid	0.059	0.096	0.121	0.169	0.167		
Bis(2-Chloroethoxy)methane	0.330	0.324	0.330	0.319	0.333		
2,4-Dichlorophenol	0.281	0.290	0.272	0.311	0.310		
1,2,4-Trichlorobenzene	0.341	0.343	0.342	0.329	0.318		
Naphthalene	0.897	0.959	0.926	0.981	0.891		
4-Chloroaniline	0.353	0.383	0.383	0.411	0.373		
Hexachlorobutadiene	0.230	0.226	0.224	0.219	0.229		
4-Chloro-3-methylphenol	0.293	0.300	0.317	0.340	0.324		
2-Methylnaphthalene	0.683	0.689	0.699	0.749	0.737		
2,4,5-Trichlorotoluene	1.295	1.265	1.283	1.500	1.268		
Hexachlorocyclopentadiene *	0.084	0.139	0.198	0.253	0.264		*
2,4,6-Trichlorophenol	0.284	0.334	0.341	0.345	0.361		
2,4,5-Trichlorophenol	0.359	0.384	0.367	0.377	0.369		
2-Chloronaphthalene	0.980	0.997	1.015	1.014	1.050		
2-Nitroaniline	0.261	0.258	0.272	0.314	0.270		
Acenaphthylene	1.596	1.706	1.685	1.588	1.801		
Dimethylphthalate	1.114	1.169	1.145	1.308	1.206		

* 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.: 210542 SAS No.: SDG No.: 210611

Instrument ID: MSU Calibration Date(s): 09/02/05 09/02/05

Calibration Time(s): 1334 1544

LAB FILE ID: RRF4 =U0917 RRF10 =U0918
RRF20 =U0919 RRF40 =U0916 RRF60 =U0920

COMPOUND		RRF4	RRF10	RRF20	RRF40	RRF60	$\overline{RRF}$	% RSD	
2,6-Dinitrotoluene		0.232	0.269	0.250	0.253	0.279			
Acenaphthene		0.963	1.114	1.056	1.181	1.150			
3-Nitroaniline		0.264	0.282	0.298	0.332	0.313			
2,4-Dinitrophenol	*	0.060	0.105	0.117	0.154	0.146			*
Dibenzofuran		1.659	1.543	1.642	1.688	1.720			
2,4-Dinitrotoluene		0.371	0.370	0.358	0.441	0.362			
4-Nitrophenol	*	0.195	0.206	0.200	0.240	0.208			*
Fluorene		1.320	1.287	1.324	1.510	1.432			
4-Chlorophenyl-phenylether		0.692	0.702	0.698	0.749	0.728			
Diethylphthalate		1.202	1.356	1.312	1.449	1.377			
4-Nitroaniline		0.315	0.311	0.304	0.367	0.346			
4,6-Dinitro-2-methylphenol		0.089	0.119	0.097	0.128	0.130			
N-Nitrosodiphenylamine (1)		0.530	0.579	0.516	0.566	0.555			
1,2-Diphenylhydrazine		0.783	0.790	0.631	0.738	0.703			
4-Bromophenyl-phenylether		0.233	0.208	0.203	0.225	0.228			
Hexachlorobenzene		0.224	0.224	0.192	0.206	0.214			
Pentachlorophenol		0.048	0.075	0.070	0.092	0.092			
Phenanthrene		1.261	1.244	1.101	1.218	1.195			
Carbazole		1.183	1.168	0.946	1.214	1.008			
Anthracene		1.137	1.136	1.058	1.264	1.189			
Di-n-butylphthalate		1.365	1.408	1.263	1.488	1.239			
Fluoranthene		1.205	1.319	1.179	1.462	1.300			
Benzidine		0.224	0.282	0.348	0.420	0.373			
Pyrene		1.427	1.394	1.308	1.636	1.494			
Butylbenzylphthalate		0.609	0.643	0.615	0.672	0.604			
3,3'-Dichlorobenzidine		0.329	0.348	0.376	0.396	0.399			
Benzo(a)anthracene		1.214	1.215	1.286	1.336	1.326			
Chrysene		1.266	1.194	1.125	1.201	1.258			
Bis(2-Ethylhexyl)phthalate		0.765	0.717	0.783	0.849	0.809			
Di-n-octylphthalate		1.169	1.395	1.411	1.589	1.518			
Benzo(b)fluoranthene		1.109	1.114	1.112	1.095	1.128			
Benzo(k)fluoranthene		1.038	1.250	1.257	1.260	1.285			
Benzo(a)pyrene		0.946	0.909	0.993	1.054	1.052			
Indeno(1,2,3-cd)pyrene		0.935	0.929	1.085	1.280	1.348			
Dibenzo(a,h)anthracene		0.761	0.726	0.819	1.031	1.103			
Benzo(g,h,i)perylene		0.795	0.806	0.922	1.072	1.162			
Acetophenone		1.716	1.740	1.659	1.897	1.656			

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

FORM VI SV-2

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 210542 SAS No.: SDG No.: 210611

Instrument ID: MSU Calibration Date(s): 09/02/05 09/02/05

Calibration Time(s): 1334 1544

LAB FILE ID: RRF4 =U0917 RRF10 =U0918
RRF20 =U0919 RRF40 =U0916 RRF60 =U0920

COMPOUND	RRF4	RRF10	RRF20	RRF40	RRF60	$\overline{RRF}$	% RSD
3,3'-Dimethylbenzidine	0.385	0.290	0.394	0.372	0.282		
Benzaldehyde	0.242	0.342	0.473	0.581	0.411		
Caprolactam	0.081	0.088	0.082	0.099	0.096		
1,1'-Biphenyl	1.228	1.261	1.258	1.257	1.319		
Prometon	0.114	0.132	0.113	0.136	0.108		
Simazine	0.102	0.114	0.100	0.114	0.104		
Atrazine	0.218	0.221	0.194	0.218	0.205		
2-Fluorophenol	1.024	0.954	1.006	1.032	1.000		
Phenol-d5	1.364	1.260	1.374	1.574	1.306		
Nitrobenzene-d5	0.306	0.311	0.314	0.317	0.323		
2-Fluorobiphenyl	1.080	1.119	1.082	1.152	1.089		
2,4,6-Tribromophenol	0.142	0.161	0.157	0.181	0.171		
Terphenyl-d14	0.886	0.774	0.797	1.052	0.966		

* 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.: 210542 SAS No.: SDG No.: 210611

Instrument ID: MSU Calibration Date(s): 09/02/05 09/02/05

Calibration Time(s): 1334 1544

LAB FILE ID: RRF80 =U0921

COMPOUND	RRF80					$\overline{RRF}$	% RSD
Pyridine	0.363					0.381	9.7
N-Nitrosodimethylamine	0.182					0.168	6.6
Cyclohexanone	0.418					0.419	9.0
Phenol	1.706					1.582	7.3
Aniline	1.880					1.745	6.7
bis(2-Chloroethyl)ether	0.733					0.697	8.7
2-Chlorophenol	1.342					1.250	4.2
1,3-Dichlorobenzene	1.632					1.513	5.6
1,4-Dichlorobenzene	1.542					1.499	6.7
Benzyl alcohol	0.749					0.693	9.3
1,2-Dichlorobenzene	1.569					1.458	4.3
2,2'-oxybis(1-Chloropropane)	1.269					1.237	2.7
2-Methylphenol	1.133					1.148	6.6
Hexachloroethane	0.663					0.647	6.0
N-Nitroso-di-n-propylamine *	0.885					0.860	5.9*
4-Methylphenol	1.344					1.207	10.6
Nitrobenzene	0.314					0.296	5.2
Isophorone	0.560					0.522	5.3
2-Nitrophenol	0.192					0.174	6.3
2,4-Dimethylphenol	0.267					0.254	6.2
Benzoic Acid	0.184					0.133	36.9
Bis(2-Chloroethoxy)methane	0.352					0.331	3.4
2,4-Dichlorophenol	0.308					0.295	5.6
1,2,4-Trichlorobenzene	0.374					0.341	5.6
Naphthalene	0.920					0.929	3.8
4-Chloroaniline	0.404					0.384	5.5
Hexachlorobutadiene	0.244					0.229	3.6
4-Chloro-3-methylphenol	0.346					0.320	6.6
2-Methylnaphthalene	0.759					0.719	4.6
2,4,5-Trichlorotoluene	1.460					1.345	7.9
Hexachlorocyclopentadiene *	0.313					0.208	40.9*
2,4,6-Trichlorophenol	0.379					0.341	9.4
2,4,5-Trichlorophenol	0.419					0.379	5.6
2-Chloronaphthalene	1.060					1.019	3.0
2-Nitroaniline	0.310					0.281	8.8
Acenaphthylene	1.886					1.710	6.8
Dimethylphthalate	1.259					1.200	6.1

* 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.: 210542 SAS No.: SDG No.: 210611

Instrument ID: MSU Calibration Date(s): 09/02/05 09/02/05

Calibration Time(s): 1334 1544

LAB FILE ID: RRF80 =U0921

COMPOUND		RRF80						$\overline{RRF}$	% RSD	
2,6-Dinitrotoluene		0.293						0.263	8.4	
Acenaphthene		1.121						1.098	7.1	
3-Nitroaniline		0.341						0.305	9.7	
2,4-Dinitrophenol	*	0.186						0.128	34.5	*
Dibenzofuran		1.846						1.683	5.9	
2,4-Dinitrotoluene		0.453						0.392	10.9	
4-Nitrophenol	*	0.244						0.216	9.9	*
Fluorene		1.534						1.401	7.6	
4-Chlorophenyl-phenylether		0.782						0.725	4.9	
Diethylphthalate		1.471						1.361	7.2	
4-Nitroaniline		0.341						0.331	7.4	
4,6-Dinitro-2-methylphenol		0.140						0.117	17.0	
N-Nitrosodiphenylamine (1)		0.586						0.555	4.9	
1,2-Diphenylhydrazine		0.724						0.728	8.0	
4-Bromophenyl-phenylether		0.241						0.223	6.6	
Hexachlorobenzene		0.233						0.216	6.9	
Pentachlorophenol		0.112						0.082	27.1	
Phenanthrene		1.213						1.205	4.7	
Carbazole		1.128						1.108	9.7	
Anthracene		1.229						1.169	6.3	
Di-n-butylphthalate		1.285						1.341	7.2	
Fluoranthene		1.270						1.289	7.8	
Benzidine		0.389						0.339	21.6	
Pyrene		1.262						1.420	9.5	
Butylbenzylphthalate		0.632						0.629	4.1	
3,3'-Dichlorobenzidine		0.354						0.367	7.6	
Benzo(a)anthracene		1.265						1.274	4.2	
Chrysene		1.136						1.197	5.0	
Bis(2-Ethylhexyl)phthalate		0.868						0.798	7.0	
Di-n-octylphthalate		1.537						1.436	10.5	
Benzo(b)fluoranthene		1.093						1.108	1.2	
Benzo(k)fluoranthene		1.252						1.224	7.5	
Benzo(a)pyrene		1.067						1.004	6.5	
Indeno(1,2,3-cd)pyrene		1.473						1.175	19.3	
Dibenzo(a,h)anthracene		1.188						0.938	20.7	
Benzo(g,h,i)perylene		1.339						1.016	21.1	
Acetophenone		1.769						1.740	5.1	

* 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.: 210542 SAS No.: SDG No.: 210611

Instrument ID: MSU Calibration Date(s): 09/02/05 09/02/05

Calibration Time(s): 1334 1544

LAB FILE ID: RRF80 =U0921

COMPOUND	RRF80					$\overline{RRF}$	% RSD
3,3'-Dimethylbenzidine	0.260					0.330	18.0
Benzaldehyde	0.276					0.388	32.8
Caprolactam	0.096					0.090	8.6
1,1'-Biphenyl	1.354					1.280	3.7
Prometon	0.143					0.124	11.7
Simazine	0.116					0.108	6.6
Atrazine	0.229					0.214	5.8
2-Fluorophenol	1.116					1.022	5.2
Phenol-d5	1.438					1.386	8.0
Nitrobenzene-d5	0.330					0.317	2.6
2-Fluorobiphenyl	1.212					1.122	4.6
2,4,6-Tribromophenol	0.194					0.168	10.9
Terphenyl-d14	1.030					0.918	12.8

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

FORM VI SV-6

STL-Connecticut

Semivolatile REPORT SW-846 Method 8270

Data file : \\target1_ct\files\chem\BNA\msu.i\U050911.b\U0916.D
Lab Smp Id: SSTD040 Client Smp ID: SSTD040
Inj Date : 02-SEP-2005 13:34 MS Autotune Date: 04-FEB-2005 14:15
Operator : e. martin Inst ID: msu.i
Smp Info : SSTD040
Misc Info : : LCS;54122;0.500;0.400;fms0505_wa.spk
Comment :
Method : \\target1_ct\files\chem\BNA\msu.i\U050911.b\MSU8270.m
Meth Date : 04-Sep-2005 12:26 liz Quant Type: ISTD
Cal Date : 02-SEP-2005 13:34 Cal File: U0916.D
Als bottle: 27 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: std2.sub
Target Version: 4.10
Processing Host: CONMSRNT

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

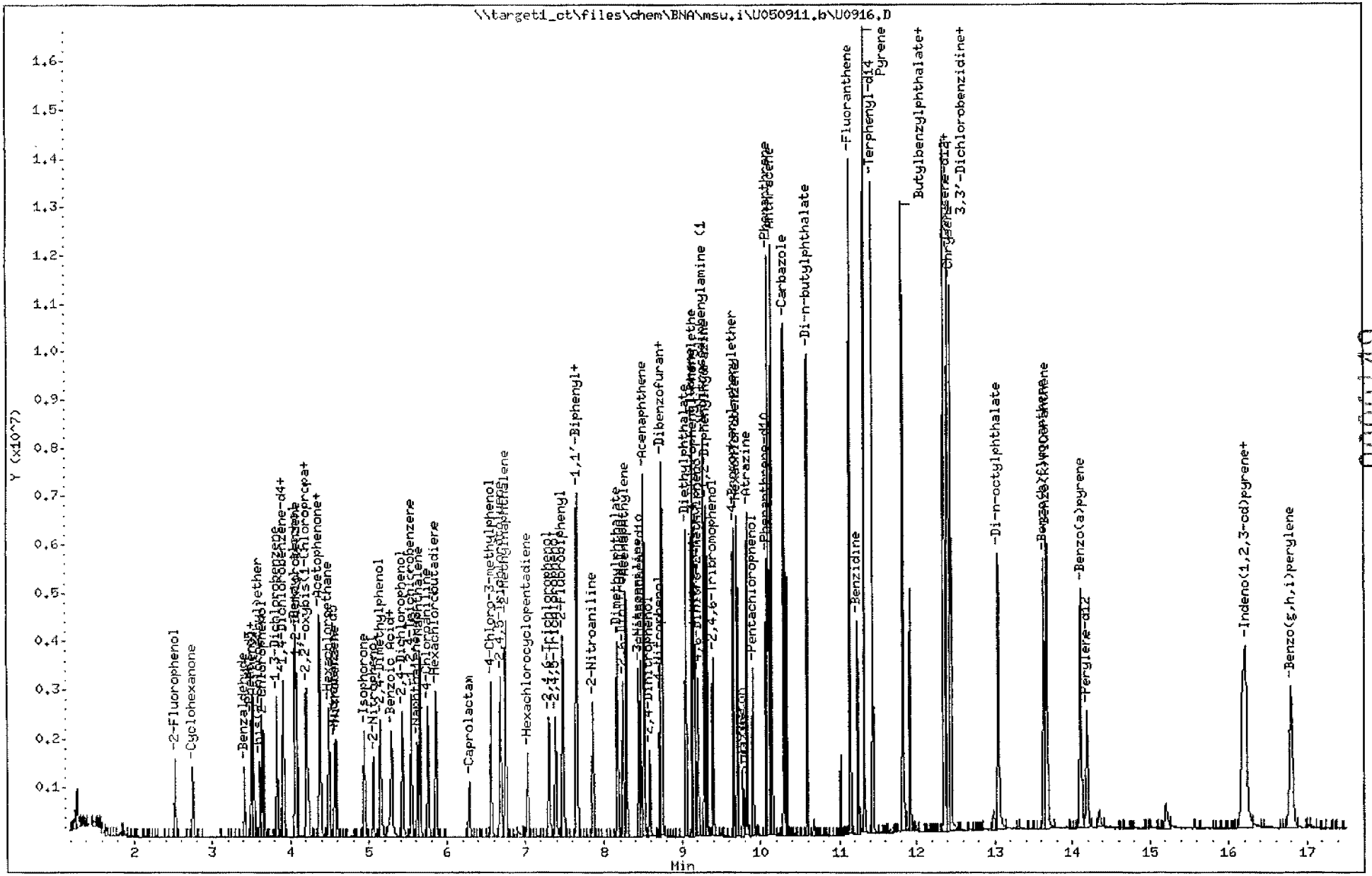
		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1	1,4-Dichlorobenzene-d4	152	3.898	3.893	(1.000)	258680	20.0000	
$	2	2-Fluorophenol	112	2.525	2.525	(0.648)	534035	40.0000	40
$	3	Phenol-d5	99	3.498	3.503	(0.897)	814419	40.0000	40
	4	Pyridine	52	1.281	1.275	(0.329)	200476	40.0000	40
	5	N-Nitrosodimethylamine	42	1.249	1.249	(0.320)	93707	40.0000	40
	6	Cyclohexanone	42	2.755	2.755	(0.707)	236792	40.0000	40
	128	Benzaldehyde	77	3.412	3.412	(0.875)	300676	40.0000	40
	7	Phenol	94	3.514	3.519	(0.901)	892026	40.0000	40
	8	Aniline	93	3.530	3.530	(0.905)	985151	40.0000	40
	9	bis(2-Chloroethyl)ether	63	3.605	3.610	(0.925)	412867	40.0000	40
	10	2-Chlorophenol	128	3.663	3.663	(0.940)	654563	40.0000	40
	11	1,3-Dichlorobenzene	146	3.829	3.829	(0.982)	831454	40.0000	40
	12	1,4-Dichlorobenzene	146	3.914	3.914	(1.004)	864598	40.0000	40
	13	Benzyl alcohol	108	4.059	4.064	(1.041)	411767	40.0000	40
	14	1,2-Dichlorobenzene	146	4.085	4.085	(1.048)	773658	40.0000	40
	15	2,2'-oxybis(1-Chloropropane)	45	4.219	4.219	(1.082)	649620	40.0000	40
	16	2-Methylphenol	108	4.203	4.208	(1.078)	666917	40.0000	40
	92	Acetophenone	105	4.369	4.374	(1.121)	981649	40.0000	40
	17	Hexachloroethane	117	4.486	4.486	(1.151)	371840	40.0000	40
	18	N-Nitroso-di-n-propylamine	70	4.374	4.379	(1.122)	478644	40.0000	40

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
	19 4-Methylphenol	108	4.385	4.384	(1.125)	716902	40.0000	40
*	20 Naphthalene-d8	136	5.624	5.629	(1.000)	1154895	20.0000	
$	21 Nitrobenzene-d5	82	4.561	4.561	(0.811)	732816	40.0000	40
	22 Nitrobenzene	77	4.588	4.587	(0.816)	716644	40.0000	40
	23 Isophorone	82	4.940	4.945	(0.878)	1214173	40.0000	40
	24 2-Nitrophenol	139	5.058	5.058	(0.899)	390240	40.0000	40
	25 2,4-Dimethylphenol	122	5.143	5.148	(0.915)	629105	40.0000	40
	26 Benzoic Acid	122	5.287	5.314	(0.940)	390172	40.0000	40
	27 Bis(2-Chloroethoxy)methane	93	5.293	5.293	(0.941)	737554	40.0000	40
	28 2,4-Dichlorophenol	162	5.432	5.431	(0.966)	717582	40.0000	40
	29 1,2,4-Trichlorobenzene	180	5.549	5.549	(0.987)	760017	40.0000	40
	30 Naphthalene	128	5.656	5.667	(1.006)	2265736	40.0000	40
	31 4-Chloroaniline	127	5.763	5.763	(1.025)	948475	40.0000	40
	32 Hexachlorobutadiene	225	5.864	5.864	(1.043)	506940	40.0000	40
	129 Caprolactam	113	6.292	6.313	(1.119)	229226	40.0000	40
	33 4-Chloro-3-methylphenol	107	6.570	6.575	(1.168)	785525	40.0000	40
	34 2-Methylnaphthalene	142	6.756	6.762	(1.201)	1730956	40.0000	40
*	35 Acenaphthene-d10	164	8.482	8.487	(1.000)	827012	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.687	6.692	(1.715)	775999	40.0000	40
	37 Hexachlorocyclopentadiene	237	7.045	7.045	(0.831)	418792	40.0000	40
	38 2,4,6-Trichlorophenol	196	7.307	7.312	(0.861)	570784	40.0000	40
	39 2,4,5-Trichlorophenol	196	7.398	7.397	(0.872)	623995	40.0000	40
$	40 2-Fluorobiphenyl	172	7.483	7.483	(0.882)	1904612	40.0000	40
	130 1,1'-Biphenyl	154	7.649	7.654	(0.902)	2079491	40.0000	40
	41 2-Chloronaphthalene	162	7.665	7.665	(0.904)	1676576	40.0000	40
	42 2-Nitroaniline	65	7.857	7.862	(0.926)	518884	40.0000	40
	43 Acenaphthylene	152	8.284	8.290	(0.977)	2627076	40.0000	40
	44 Dimethylphthalate	163	8.172	8.172	(0.963)	2164288	40.0000	40
	45 2,6-Dinitrotoluene	165	8.242	8.247	(0.972)	417846	40.0000	40
	46 Acenaphthene	153	8.525	8.525	(1.005)	1953673	40.0000	40
	47 3-Nitroaniline	138	8.455	8.461	(0.997)	548943	40.0000	40
	48 2,4-Dinitrophenol	184	8.594	8.600	(1.013)	254510	40.0000	40
	49 Dibenzofuran	168	8.749	8.749	(1.031)	2792739	40.0000	40
	50 2,4-Dinitrotoluene	165	8.754	8.760	(1.032)	729650	40.0000	40
	51 4-Nitrophenol	109	8.722	8.728	(1.028)	397889	40.0000	40
	52 Fluorene	166	9.139	9.144	(1.077)	2497896	40.0000	40
	53 4-Chlorophenyl-phenylether	204	9.160	9.160	(1.080)	1238480	40.0000	40
	54 Diethylphthalate	149	9.059	9.064	(1.068)	2396073	40.0000	40
	55 4-Nitroaniline	138	9.182	9.182	(1.083)	606998	40.0000	40
$	56 2,4,6-Tribromophenol	330	9.401	9.406	(1.108)	300042	40.0000	40
*	57 Phenanthrene-d10	188	10.079	10.085	(1.000)	1669752	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	9.214	9.219	(0.914)	425949	40.0000	40
	59 N-Nitrosodiphenylamine (1)	169	9.289	9.294	(0.922)	1890877	40.0000	40
	60 1,2-Diphenylhydrazine	77	9.326	9.326	(0.925)	2466371	40.0000	40
	61 4-Bromophenyl-phenylether	248	9.663	9.663	(0.959)	750345	40.0000	40
	166 Prometon	58	9.775	9.775	(0.970)	90939	8.00000	8
	167 Simazine	201	9.796	9.801	(0.972)	76111	8.00000	8
	131 Atrazine	200	9.834	9.833	(0.976)	726661	40.0000	40
	62 Hexachlorobenzene	284	9.705	9.705	(0.963)	686780	40.0000	40
	63 Pentachlorophenol	266	9.903	9.909	(0.983)	306820	40.0000	40
	64 Phenanthrene	178	10.101	10.106	(1.002)	4069044	40.0000	40
	65 Carbazole	167	10.304	10.304	(1.022)	4054550	40.0000	40
	66 Anthracene	178	10.149	10.149	(1.007)	4220030	40.0000	40
	67 Di-n-butylphthalate	149	10.598	10.592	(1.051)	4970796	40.0000	40

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
	68 Fluoranthene	202	11.137	11.137	(1.105)	4884185	40.0000	40
*	70 Chrysene-d12	240	12.419	12.424	(1.000)	1604674	20.0000	
	71 Benzidine	184	11.239	11.244	(0.905)	1347289	40.0000	40
	72 Pyrene	202	11.329	11.329	(0.912)	5250680	40.0000	40
$	73 Terphenyl-d14	244	11.442	11.442	(0.921)	3376706	40.0000	40
	74 Butylbenzylphthalate	149	11.826	11.826	(0.952)	2158600	40.0000	40
	124 3,3'-Dimethylbenzidine	212	11.832	11.826	(0.953)	1195382	40.0000	40
	75 3,3'-Dichlorobenzidine	252	12.360	12.360	(0.995)	1269657	40.0000	40
	76 Benzo(a)anthracene	228	12.409	12.414	(0.999)	4288411	40.0000	40
	77 Chrysene	228	12.446	12.451	(1.002)	3853233	40.0000	40
	78 Bis(2-Ethylhexyl)phthalate	149	12.360	12.360	(0.995)	2724532	40.0000	40
*	79 Perylene-d12	264	14.188	14.187	(1.000)	1328237	20.0000	
	80 Di-n-octylphthalate	149	13.044	13.044	(0.919)	4220858	40.0000	40
	81 Benzo(b)fluoranthene	252	13.632	13.637	(0.961)	2908927	40.0000	40
	82 Benzo(k)fluoranthene	252	13.675	13.675	(0.964)	3346284	40.0000	40
	83 Benzo(a)pyrene	252	14.107	14.107	(0.994)	2800405	40.0000	40
	84 Indeno(1,2,3-cd)pyrene	276	16.186	16.196	(1.141)	3400422	40.0000	40
	85 Dibenzo(a,h)anthracene	278	16.218	16.228	(1.143)	2740121	40.0000	40
	86 Benzo(g,h,i)perylene	276	16.800	16.821	(1.184)	2847713	40.0000	40

Data File: \\target1_ct\files\chem\BNA\msu.i\U050911.b\U0916.D
Date : 02-SEP-2005 13:34
Client ID: SSTD040
Sample Info: SSTD040
Volume Injected (uL): 1.0
Column phase: RTX-5

Instrument: msu.i
Operator: e. martin
Column diameter: 0.25



STL-Connecticut

Semivolatile REPORT SW-846 Method 8270

Data file : \\target1_ct\files\chem\BNA\msu.i\U050911.b\U0917.D
Lab Smp Id: SSTD4/10 Client Smp ID: SSTD4/10
Inj Date : 02-SEP-2005 14:00 MS Autotune Date: 04-FEB-2005 14:15
Operator : e. martin Inst ID: msu.i
Smp Info : SSTD4/10
Misc Info : : LCS;54122;0.500;0.400;fms0505_wa.spk
Comment :
Method : \\target1_ct\files\chem\BNA\msu.i\U050911.b\MSU8270.m
Meth Date : 04-Sep-2005 12:26 liz Quant Type: ISTD
Cal Date : 02-SEP-2005 14:00 Cal File: U0917.D
Als bottle: 28 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: std2.sub
Target Version: 4.10
Processing Host: CONMSRNT

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	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	3.898	3.893	(1.000)	273521	20.0000	
$	2 2-Fluorophenol	112	2.525	2.525	(0.648)	56016	4.00000	4
$	3 Phenol-d5	99	3.503	3.503	(0.899)	74625	4.00000	4
	4 Pyridine	52	1.313	1.275	(0.337)	23761	4.00000	5(M)
	5 N-Nitrosodimethylamine	42	1.270	1.249	(0.326)	8940	4.00000	4(MH)
	6 Cyclohexanone	42	2.755	2.755	(0.707)	24822	4.00000	4
	128 Benzaldehyde	77	3.412	3.412	(0.875)	13250	4.00000	2
	7 Phenol	94	3.519	3.519	(0.903)	86150	4.00000	4
	8 Aniline	93	3.524	3.530	(0.904)	90217	4.00000	4
	9 bis(2-Chloroethyl)ether	63	3.605	3.610	(0.925)	35164	4.00000	4
	10 2-Chlorophenol	128	3.658	3.663	(0.938)	68574	4.00000	4
	11 1,3-Dichlorobenzene	146	3.829	3.829	(0.982)	78366	4.00000	4
	12 1,4-Dichlorobenzene	146	3.920	3.914	(1.005)	76531	4.00000	4
	13 Benzyl alcohol	108	4.059	4.064	(1.041)	35337	4.00000	4
	14 1,2-Dichlorobenzene	146	4.085	4.085	(1.048)	77191	4.00000	4
	15 2,2'-oxybis(1-Chloropropane)	45	4.219	4.219	(1.082)	69618	4.00000	4
	16 2-Methylphenol	108	4.198	4.208	(1.077)	58102	4.00000	4
	92 Acetophenone	105	4.363	4.374	(1.119)	93891	4.00000	4
	17 Hexachloroethane	117	4.486	4.486	(1.151)	33931	4.00000	4
	18 N-Nitroso-di-n-propylamine	70	4.369	4.379	(1.121)	48341	4.00000	4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
	19 4-Methylphenol	108	4.385	4.384	(1.125)	59583	4.00000	4
*	20 Naphthalene-d8	136	5.624	5.629	(1.000)	1171769	20.0000	
$	21 Nitrobenzene-d5	82	4.555	4.561	(0.810)	71791	4.00000	4
	22 Nitrobenzene	77	4.582	4.587	(0.815)	70532	4.00000	4
	23 Isophorone	82	4.940	4.945	(0.878)	123178	4.00000	4
	24 2-Nitrophenol	139	5.052	5.058	(0.898)	38221	4.00000	4
	25 2,4-Dimethylphenol	122	5.148	5.148	(0.915)	56910	4.00000	4
	26 Benzoic Acid	122	5.239	5.314	(0.932)	34775	10.0000	6 (MH)
	27 Bis(2-Chloroethoxy)methane	93	5.287	5.293	(0.940)	77248	4.00000	4
	28 2,4-Dichlorophenol	162	5.426	5.431	(0.965)	65838	4.00000	4
	29 1,2,4-Trichlorobenzene	180	5.544	5.549	(0.986)	79909	4.00000	4
	30 Naphthalene	128	5.661	5.667	(1.007)	210185	4.00000	4
	31 4-Chloroaniline	127	5.763	5.763	(1.025)	82689	4.00000	4
	32 Hexachlorobutadiene	225	5.864	5.864	(1.043)	53994	4.00000	4
	129 Caprolactam	113	6.254	6.313	(1.112)	18954	4.00000	4
	33 4-Chloro-3-methylphenol	107	6.564	6.575	(1.167)	68649	4.00000	4
	34 2-Methylnaphthalene	142	6.751	6.762	(1.200)	160122	4.00000	4
*	35 Acenaphthene-d10	164	8.482	8.487	(1.000)	865453	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.687	6.692	(1.715)	70852	4.00000	4
	38 2,4,6-Trichlorophenol	196	7.312	7.312	(0.862)	49233	4.00000	3
	39 2,4,5-Trichlorophenol	196	7.392	7.397	(0.872)	155537	10.0000	9
$	40 2-Fluorobiphenyl	172	7.483	7.483	(0.882)	186920	4.00000	4
	130 1,1'-Biphenyl	154	7.649	7.654	(0.902)	212492	4.00000	4
	41 2-Chloronaphthalene	162	7.659	7.665	(0.903)	169607	4.00000	4
	42 2-Nitroaniline	65	7.852	7.862	(0.926)	45140	4.00000	4
	43 Acenaphthylene	152	8.290	8.290	(0.977)	276234	4.00000	4
	44 Dimethylphthalate	163	8.167	8.172	(0.963)	192870	4.00000	4
	45 2,6-Dinitrotoluene	165	8.236	8.247	(0.971)	40169	4.00000	4
	46 Acenaphthene	153	8.519	8.525	(1.004)	166771	4.00000	4
	47 3-Nitroaniline	138	8.450	8.461	(0.996)	45671	4.00000	3
	49 Dibenzofuran	168	8.744	8.749	(1.031)	287167	4.00000	4
	50 2,4-Dinitrotoluene	165	8.754	8.760	(1.032)	64190	4.00000	4
	51 4-Nitrophenol	109	8.728	8.728	(1.029)	84222	10.0000	9
	52 Fluorene	166	9.139	9.144	(1.077)	228429	4.00000	4
	53 4-Chlorophenyl-phenylether	204	9.160	9.160	(1.080)	119695	4.00000	4
	54 Diethylphthalate	149	9.054	9.064	(1.067)	208105	4.00000	4
	55 4-Nitroaniline	138	9.171	9.182	(1.081)	54602	4.00000	4
$	56 2,4,6-Tribromophenol	330	9.401	9.406	(1.108)	61603	10.0000	8
*	57 Phenanthrene-d10	188	10.079	10.085	(1.000)	1504321	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	9.214	9.219	(0.914)	67081	10.0000	8
	59 N-Nitrosodiphenylamine (1)	169	9.289	9.294	(0.922)	159634	4.00000	4
	60 1,2-Diphenylhydrazine	77	9.326	9.326	(0.925)	235709	4.00000	4
	61 4-Bromophenyl-phenylether	248	9.663	9.663	(0.959)	70095	4.00000	4
	166 Prometon	58	9.770	9.775	(0.969)	6848	0.80000	0.7
	167 Simazine	201	9.796	9.801	(0.972)	6164	0.80000	0.8
	131 Atrazine	200	9.828	9.833	(0.975)	65658	4.00000	4
	62 Hexachlorobenzene	284	9.705	9.705	(0.963)	67269	4.00000	4
	63 Pentachlorophenol	266	9.908	9.909	(0.983)	36093	10.0000	6
	64 Phenanthrene	178	10.101	10.106	(1.002)	379408	4.00000	4
	65 Carbazole	167	10.298	10.304	(1.022)	355980	4.00000	4
	66 Anthracene	178	10.149	10.149	(1.007)	342162	4.00000	4
	67 Di-n-butylphthalate	149	10.598	10.592	(1.051)	410665	4.00000	4
	68 Fluoranthene	202	11.137	11.137	(1.105)	362688	4.00000	4
*	70 Chrysene-d12	240	12.419	12.424	(1.000)	1505844	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
	71 Benzidine	184	11.239	11.244	(0.905)	67329	4.00000	3
	72 Pyrene	202	11.329	11.329	(0.912)	429904	4.00000	4
$	73 Terphenyl-d14	244	11.442	11.442	(0.921)	266955	4.00000	4
	74 Butylbenzylphthalate	149	11.826	11.826	(0.952)	183301	4.00000	4
	124 3,3'-Dimethylbenzidine	212	11.832	11.826	(0.953)	116013	4.00000	5
	75 3,3'-Dichlorobenzidine	252	12.360	12.360	(0.995)	99124	4.00000	4
	76 Benzo(a)anthracene	228	12.409	12.414	(0.999)	365496	4.00000	4
	77 Chrysene	228	12.446	12.451	(1.002)	381324	4.00000	4
	78 Bis(2-Ethylhexyl)phthalate	149	12.360	12.360	(0.995)	230480	4.00000	4
*	79 Perylene-d12	264	14.188	14.187	(1.000)	1282940	20.0000	
	80 Di-n-octylphthalate	149	13.044	13.044	(0.919)	299977	4.00000	3
	81 Benzo(b)fluoranthene	252	13.632	13.637	(0.961)	284546	4.00000	4
	82 Benzo(k)fluoranthene	252	13.669	13.675	(0.963)	265422	4.00000	3
	83 Benzo(a)pyrene	252	14.102	14.107	(0.994)	242654	4.00000	4
	84 Indeno(1,2,3-cd)pyrene	276	16.164	16.196	(1.139)	239942	4.00000	4
	85 Dibenzo(a,h)anthracene	278	16.207	16.228	(1.142)	195294	4.00000	3
	86 Benzo(g,h,i)perylene	276	16.784	16.821	(1.183)	203936	4.00000	4

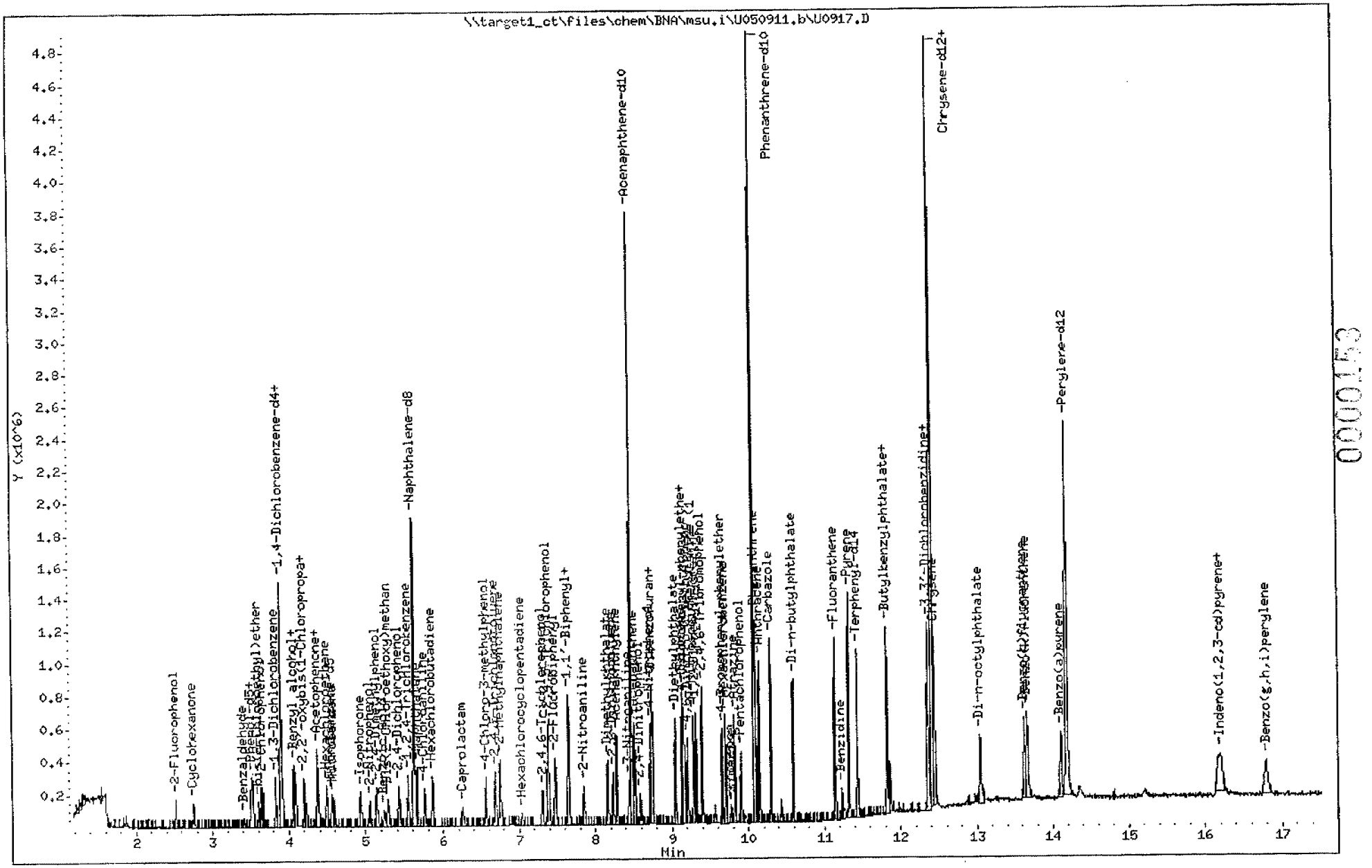
QC Flag Legend

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

Data File: \\target1_ot\files\chem\BNA\msu.i\U050911.b\U0917.D
Date : 02-SEP-2005 14:00
Client ID: SSTD4/10
Sample Info: SSTD4/10
Volume Injected (uL): 1.0
Column phase: RTX-5

Instrument: msu.i

Operator: e. martin
Column diameter: 0.25



STL-Connecticut

Semivolatile REPORT SW-846 Method 8270

Data file : \\target1_ct\files\chem\BNA\msu.i\U050911.b\U0918.D
Lab Smp Id: SSTD10/25 Client Smp ID: SSTD10/25
Inj Date : 02-SEP-2005 14:26 MS Autotune Date: 04-FEB-2005 14:15
Operator : e. martin Inst ID: msu.i
Smp Info : SSTD10/25
Misc Info : : LCS;54122;0.500;0.400;fms0505_wa.spk
Comment :
Method : \\target1_ct\files\chem\BNA\msu.i\U050911.b\MSU8270.m
Meth Date : 04-Sep-2005 12:26 liz Quant Type: ISTD
Cal Date : 02-SEP-2005 14:26 Cal File: U0918.D
Als bottle: 29 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: std2.sub
Target Version: 4.10
Processing Host: CONMSRNT

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	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	3.898	3.893	(1.000)	288417	20.0000	
$	2	2-Fluorophenol	112	2.520	2.525	(0.646)	137580	10.0000	9
$	3	Phenol-d5	99	3.503	3.503	(0.899)	181674	10.0000	9
	4	Pyridine	52	1.291	1.275	(0.331)	59494	10.0000	11(M)
	5	N-Nitrosodimethylamine	42	1.259	1.249	(0.323)	23557	10.0000	10(M)
	6	Cyclohexanone	42	2.755	2.755	(0.707)	57195	10.0000	9
	128	Benzaldehyde	77	3.412	3.412	(0.875)	49397	10.0000	9
	7	Phenol	94	3.514	3.519	(0.901)	217187	10.0000	10
	8	Aniline	93	3.530	3.530	(0.905)	239605	10.0000	10
	9	bis(2-Chloroethyl)ether	63	3.610	3.610	(0.926)	92491	10.0000	9
	10	2-Chlorophenol	128	3.658	3.663	(0.938)	175602	10.0000	10
	11	1,3-Dichlorobenzene	146	3.829	3.829	(0.982)	209858	10.0000	10
	12	1,4-Dichlorobenzene	146	3.914	3.914	(1.004)	217717	10.0000	10
	13	Benzyl alcohol	108	4.059	4.064	(1.041)	96778	10.0000	10
	14	1,2-Dichlorobenzene	146	4.085	4.085	(1.048)	202815	10.0000	10
	15	2,2'-oxybis(1-Chloropropane)	45	4.224	4.219	(1.084)	173191	10.0000	10
	16	2-Methylphenol	108	4.197	4.208	(1.077)	165391	10.0000	10
	92	Acetophenone	105	4.363	4.374	(1.119)	250963	10.0000	10
	17	Hexachloroethane	117	4.486	4.486	(1.151)	90158	10.0000	10
	18	N-Nitroso-di-n-propylamine	70	4.368	4.379	(1.121)	123866	10.0000	10

		QUANT SIG					AMOUNTS CAL-AMT	AMOUNTS ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(NG)	(NG)
	19 4-Methylphenol	108	4.384	4.384	(1.125)	169263	10.0000	10
*	20 Naphthalene-d8	136	5.629	5.629	(1.000)	1188096	20.0000	
$	21 Nitrobenzene-d5	82	4.561	4.561	(0.810)	185014	10.0000	10
	22 Nitrobenzene	77	4.587	4.587	(0.815)	163120	10.0000	9
	23 Isophorone	82	4.940	4.945	(0.878)	282206	10.0000	9
	24 2-Nitrophenol	139	5.052	5.058	(0.898)	98880	10.0000	10
	25 2,4-Dimethylphenol	122	5.148	5.148	(0.915)	140621	10.0000	9
	26 Benzoic Acid	122	5.266	5.314	(0.935)	143288	25.0000	25
	27 Bis(2-Chloroethoxy)methane	93	5.293	5.293	(0.940)	192443	10.0000	10
	28 2,4-Dichlorophenol	162	5.432	5.431	(0.965)	172414	10.0000	10
	29 1,2,4-Trichlorobenzene	180	5.544	5.549	(0.985)	203886	10.0000	10
	30 Naphthalene	128	5.661	5.667	(1.006)	569517	10.0000	10
	31 4-Chloroaniline	127	5.763	5.763	(1.024)	227379	10.0000	10
	32 Hexachlorobutadiene	225	5.864	5.864	(1.042)	134567	10.0000	10
	129 Caprolactam	113	6.265	6.313	(1.113)	52488	10.0000	10
	33 4-Chloro-3-methylphenol	107	6.564	6.575	(1.166)	178301	10.0000	9
	34 2-Methylnaphthalene	142	6.756	6.762	(1.200)	409541	10.0000	10
*	35 Acenaphthene-d10	164	8.482	8.487	(1.000)	865454	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.692	6.692	(1.717)	182389	10.0000	9
	37 Hexachlorocyclopentadiene	237	7.045	7.045	(0.831)	60360	10.0000	7
	38 2,4,6-Trichlorophenol	196	7.312	7.312	(0.862)	144650	10.0000	10
	39 2,4,5-Trichlorophenol	196	7.387	7.397	(0.871)	415683	25.0000	25
$	40 2-Fluorobiphenyl	172	7.483	7.483	(0.882)	484148	10.0000	10
	130 1,1'-Biphenyl	154	7.649	7.654	(0.902)	545809	10.0000	10
	41 2-Chloronaphthalene	162	7.659	7.665	(0.903)	431325	10.0000	10
	42 2-Nitroaniline	65	7.852	7.862	(0.926)	111604	10.0000	9
	43 Acenaphthylene	152	8.290	8.290	(0.977)	738433	10.0000	10
	44 Dimethylphthalate	163	8.167	8.172	(0.963)	505696	10.0000	10
	45 2,6-Dinitrotoluene	165	8.242	8.247	(0.972)	116434	10.0000	10
	46 Acenaphthene	153	8.525	8.525	(1.005)	482203	10.0000	10
	47 3-Nitroaniline	138	8.450	8.461	(0.996)	122036	10.0000	9
	48 2,4-Dinitrophenol	184	8.594	8.600	(1.013)	113376	25.0000	19
	49 Dibenzofuran	168	8.744	8.749	(1.031)	667704	10.0000	9
	50 2,4-Dinitrotoluene	165	8.754	8.760	(1.032)	159981	10.0000	9
	51 4-Nitrophenol	109	8.722	8.728	(1.028)	222561	25.0000	24
	52 Fluorene	166	9.139	9.144	(1.077)	556896	10.0000	9
	53 4-Chlorophenyl-phenylether	204	9.160	9.160	(1.080)	303652	10.0000	10
	54 Diethylphthalate	149	9.054	9.064	(1.067)	586824	10.0000	10
	55 4-Nitroaniline	138	9.171	9.182	(1.081)	134606	10.0000	9
$	56 2,4,6-Tribromophenol	330	9.401	9.406	(1.108)	174638	25.0000	24
*	57 Phenanthrene-d10	188	10.085	10.085	(1.000)	1532904	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	9.214	9.219	(0.914)	228897	25.0000	25
	59 N-Nitrosodiphenylamine (1)	169	9.289	9.294	(0.921)	443725	10.0000	10
	60 1,2-Diphenylhydrazine	77	9.326	9.326	(0.925)	605267	10.0000	11
	61 4-Bromophenyl-phenylether	248	9.663	9.663	(0.958)	159168	10.0000	9
	166 Prometon	58	9.769	9.775	(0.969)	20310	2.00000	2
	167 Simazine	201	9.796	9.801	(0.971)	17479	2.00000	2
	131 Atrazine	200	9.828	9.833	(0.975)	169474	10.0000	10
	62 Hexachlorobenzene	284	9.705	9.705	(0.962)	172113	10.0000	10
	63 Pentachlorophenol	266	9.908	9.909	(0.983)	143347	25.0000	25
	64 Phenanthrene	178	10.101	10.106	(1.002)	953297	10.0000	10
	65 Carbazole	167	10.298	10.304	(1.021)	895637	10.0000	11
	66 Anthracene	178	10.149	10.149	(1.006)	870767	10.0000	10
	67 Di-n-butylphthalate	149	10.598	10.592	(1.051)	1079131	10.0000	10

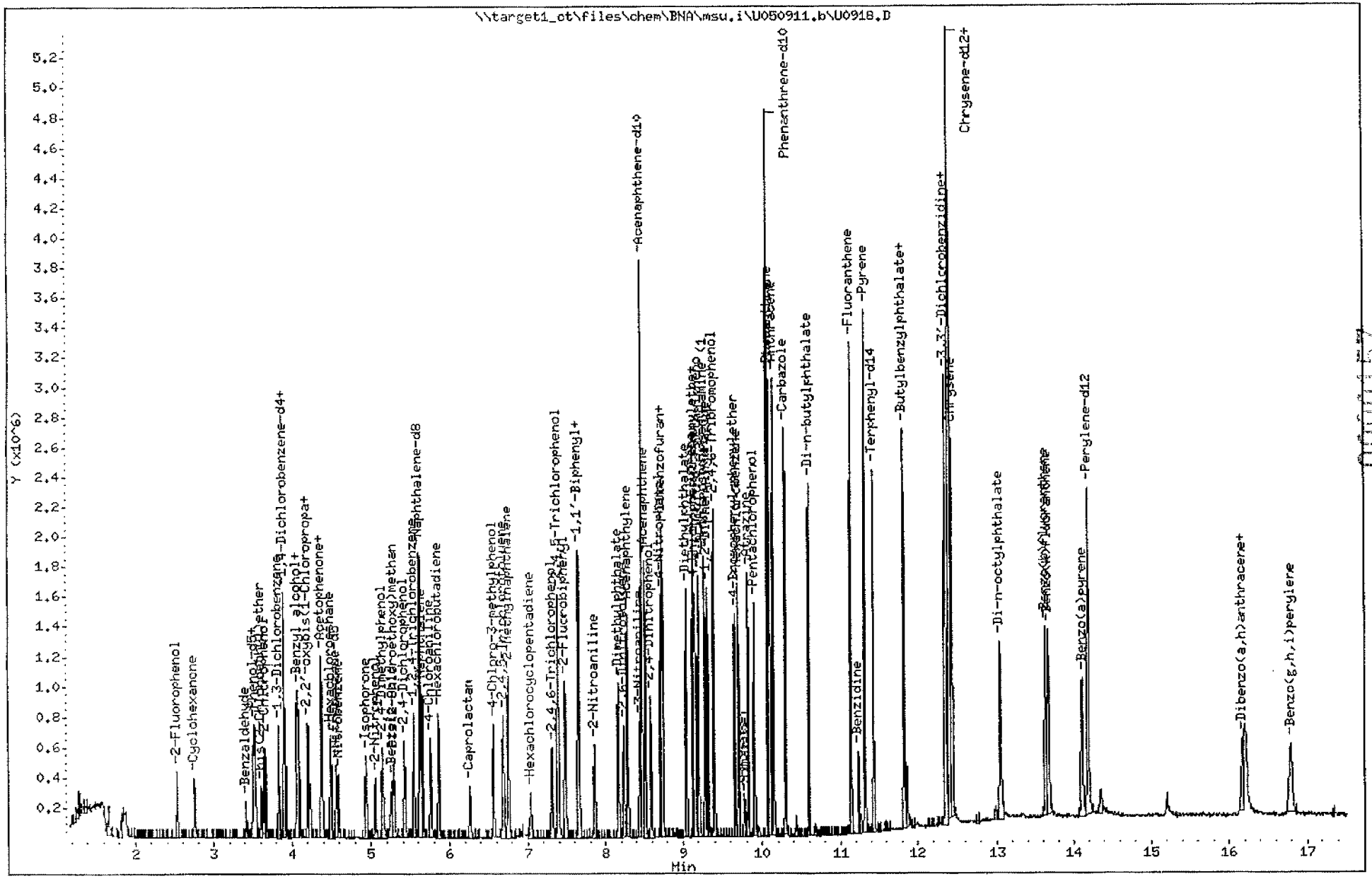
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
	68 Fluoranthene	202	11.137	11.137	(1.104)	1011004	10.0000	10
*	70 Chrysene-d12	240	12.419	12.424	(1.000)	1485003	20.0000	
	71 Benzidine	184	11.239	11.244	(0.905)	209308	10.0000	8
	72 Pyrene	202	11.329	11.329	(0.912)	1035082	10.0000	10
S	73 Terphenyl-d14	244	11.436	11.442	(0.921)	574826	10.0000	8
	74 Butylbenzylphthalate	149	11.826	11.826	(0.952)	477577	10.0000	10
	124 3,3'-Dimethylbenzidine	212	11.832	11.826	(0.953)	215553	10.0000	9
	75 3,3'-Dichlorobenzidine	252	12.360	12.360	(0.995)	258765	10.0000	9
	76 Benzo(a)anthracene	228	12.409	12.414	(0.999)	902143	10.0000	10
	77 Chrysene	228	12.446	12.451	(1.002)	886265	10.0000	10
	78 Bis(2-Ethylhexyl)phthalate	149	12.360	12.360	(0.995)	532652	10.0000	9
*	79 Perylene-d12	264	14.187	14.187	(1.000)	1186414	20.0000	
	80 Di-n-octylphthalate	149	13.044	13.044	(0.919)	827550	10.0000	10
	81 Benzo(b)fluoranthene	252	13.632	13.637	(0.961)	660818	10.0000	10
	82 Benzo(k)fluoranthene	252	13.669	13.675	(0.963)	741458	10.0000	10
	83 Benzo(a)pyrene	252	14.107	14.107	(0.994)	539079	10.0000	9
	84 Indeno(1,2,3-cd)pyrene	276	16.169	16.196	(1.140)	551162	10.0000	10(M)
	85 Dibenzo(a,h)anthracene	278	16.207	16.228	(1.142)	430754	10.0000	8
	86 Benzo(g,h,i)perylene	276	16.789	16.821	(1.183)	478220	10.0000	9

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target1_ct\files\chem\BNA\msu.i\U050911.b\U0918.D
Date : 02-SEP-2005 14:26
Client ID: SSTD10/25
Sample Info: SSTD10/25
Volume Injected (uL): 1.0
Column phase: RTX-5

Instrument: msu.i
Operator: e. martin
Column diameter: 0.25



STL-Connecticut

Semivolatile REPORT SW-846 Method 8270

Data file : \\target1_ct\files\chem\BNA\msu.i\U050911.b\U0919.D
Lab Smp Id: SSTD20/30 Client Smp ID: SSTD20/30
Inj Date : 02-SEP-2005 14:52 MS Autotune Date: 04-FEB-2005 14:15
Operator : e. martin Inst ID: msu.i
Smp Info : SSTD20/30
Misc Info : : LCS;54122;0.500;0.400;fms0505_wa.spk
Comment :
Method : \\target1_ct\files\chem\BNA\msu.i\U050911.b\MSU8270.m
Meth Date : 04-Sep-2005 12:26 liz Quant Type: ISTD
Cal Date : 02-SEP-2005 14:52 Cal File: U0919.D
Als bottle: 30 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: std2.sub
Target Version: 4.10
Processing Host: CONMSRNT

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	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	3.893	3.893	(1.000)	302153	20.0000	
$ 2	2-Fluorophenol	112	2.520	2.525	(0.647)	304098	20.0000	20
$ 3	Phenol-d5	99	3.498	3.503	(0.898)	415069	20.0000	20
4	Pyridine	52	1.286	1.275	(0.330)	108187	20.0000	20
5	N-Nitrosodimethylamine	42	1.254	1.249	(0.322)	50067	20.0000	20
6	Cyclohexanone	42	2.755	2.755	(0.708)	130357	20.0000	21
128	Benzaldehyde	77	3.412	3.412	(0.877)	143031	20.0000	24
7	Phenol	94	3.514	3.519	(0.903)	470111	20.0000	20
8	Aniline	93	3.524	3.530	(0.905)	519662	20.0000	20
9	bis(2-Chloroethyl)ether	63	3.605	3.610	(0.926)	211638	20.0000	20
10	2-Chlorophenol	128	3.658	3.663	(0.940)	358846	20.0000	19
11	1,3-Dichlorobenzene	146	3.829	3.829	(0.984)	442198	20.0000	19
12	1,4-Dichlorobenzene	146	3.914	3.914	(1.005)	427364	20.0000	19
13	Benzyl alcohol	108	4.059	4.064	(1.043)	199094	20.0000	19
14	1,2-Dichlorobenzene	146	4.085	4.085	(1.049)	430705	20.0000	20
15	2,2'-oxybis(1-Chloropropane)	45	4.219	4.219	(1.084)	367720	20.0000	20
16	2-Methylphenol	108	4.198	4.208	(1.078)	338508	20.0000	20
92	Acetophenone	105	4.363	4.374	(1.121)	501379	20.0000	19
17	Hexachloroethane	117	4.486	4.486	(1.152)	186036	20.0000	19
18	N-Nitroso-di-n-propylamine	70	4.369	4.379	(1.122)	236709	20.0000	18

			QUANT SIG					AMOUNTS	
								CAL-AMT	ON-COL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(NG)	(NG)
	19	4-Methylphenol	108	4.379	4.384	(1.125)	350739	20.0000	19
*	20	Naphthalene-d8	136	5.624	5.629	(1.000)	1259268	20.0000	
$	21	Nitrobenzene-d5	82	4.556	4.561	(0.810)	396154	20.0000	20
	22	Nitrobenzene	77	4.582	4.587	(0.815)	357442	20.0000	19
	23	Isophorone	82	4.935	4.945	(0.877)	644896	20.0000	20
	24	2-Nitrophenol	139	5.052	5.058	(0.898)	214408	20.0000	20
	25	2,4-Dimethylphenol	122	5.148	5.148	(0.915)	300784	20.0000	19
	26	Benzoic Acid	122	5.271	5.314	(0.937)	228187	30.0000	37
	27	Bis(2-Chloroethoxy)methane	93	5.293	5.293	(0.941)	415167	20.0000	20
	28	2,4-Dichlorophenol	162	5.426	5.431	(0.965)	342712	20.0000	18
	29	1,2,4-Trichlorobenzene	180	5.544	5.549	(0.986)	430320	20.0000	20
	30	Naphthalene	128	5.656	5.667	(1.006)	1165964	20.0000	20
	31	4-Chloroaniline	127	5.763	5.763	(1.025)	482532	20.0000	20
	32	Hexachlorobutadiene	225	5.864	5.864	(1.043)	282820	20.0000	20
	129	Caprolactam	113	6.276	6.313	(1.116)	103838	20.0000	18
	33	4-Chloro-3-methylphenol	107	6.564	6.575	(1.167)	399052	20.0000	20
	34	2-Methylnaphthalene	142	6.757	6.762	(1.201)	880485	20.0000	19
*	35	Acenaphthene-d10	164	8.482	8.487	(1.000)	907613	20.0000	
	36	2,4,5-Trichlorotoluene	159	6.687	6.692	(1.718)	387640	20.0000	19
	37	Hexachlorocyclopentadiene	237	7.045	7.045	(0.831)	179603	20.0000	19
	38	2,4,6-Trichlorophenol	196	7.307	7.312	(0.861)	309757	20.0000	20
	39	2,4,5-Trichlorophenol	196	7.392	7.397	(0.872)	499099	30.0000	29
$	40	2-Fluorobiphenyl	172	7.483	7.483	(0.882)	981815	20.0000	19
	130	1,1'-Biphenyl	154	7.654	7.654	(0.902)	1141533	20.0000	20
	41	2-Chloronaphthalene	162	7.659	7.665	(0.903)	921168	20.0000	20
	42	2-Nitroaniline	65	7.852	7.862	(0.926)	247191	20.0000	19
	43	Acenaphthylene	152	8.290	8.290	(0.977)	1529208	20.0000	20
	44	Dimethylphthalate	163	8.172	8.172	(0.963)	1039158	20.0000	19
	45	2,6-Dinitrotoluene	165	8.242	8.247	(0.972)	227134	20.0000	19
	46	Acenaphthene	153	8.525	8.525	(1.005)	958482	20.0000	19
	47	3-Nitroaniline	138	8.450	8.461	(0.996)	270449	20.0000	20
	48	2,4-Dinitrophenol	184	8.594	8.600	(1.013)	159445	30.0000	25
	49	Dibenzofuran	168	8.744	8.749	(1.031)	1490130	20.0000	20
	50	2,4-Dinitrotoluene	165	8.755	8.760	(1.032)	325222	20.0000	18
	51	4-Nitrophenol	109	8.722	8.728	(1.028)	271992	30.0000	28
	52	Fluorene	166	9.139	9.144	(1.077)	1201785	20.0000	19
	53	4-Chlorophenyl-phenylether	204	9.161	9.160	(1.080)	633437	20.0000	19
	54	Diethylphthalate	149	9.054	9.064	(1.067)	1191082	20.0000	19
	55	4-Nitroaniline	138	9.171	9.182	(1.081)	276073	20.0000	18
$	56	2,4,6-Tribromophenol	330	9.401	9.406	(1.108)	214137	30.0000	28
*	57	Phenanthrene-d10	188	10.079	10.085	(1.000)	1814511	20.0000	
	58	4,6-Dinitro-2-methylphenol	198	9.209	9.219	(0.914)	264451	30.0000	25
	59	N-Nitrosodiphenylamine (1)	169	9.289	9.294	(0.922)	936888	20.0000	19
	60	1,2-Diphenylhydrazine	77	9.321	9.326	(0.925)	1145749	20.0000	17
	61	4-Bromophenyl-phenylether	248	9.663	9.663	(0.959)	368682	20.0000	18
	166	Prometon	58	9.770	9.775	(0.969)	41084	4.00000	4
	167	Simazine	201	9.796	9.801	(0.972)	36146	4.00000	4
	131	Atrazine	200	9.828	9.833	(0.975)	352147	20.0000	18
	62	Hexachlorobenzene	284	9.705	9.705	(0.963)	348325	20.0000	18
	63	Pentachlorophenol	266	9.903	9.909	(0.983)	191511	30.0000	28
	64	Phenanthrene	178	10.101	10.106	(1.002)	1997892	20.0000	18
	65	Carbazole	167	10.298	10.304	(1.022)	1716245	20.0000	17
	66	Anthracene	178	10.149	10.149	(1.007)	1919237	20.0000	18
	67	Di-n-butylphthalate	149	10.598	10.592	(1.051)	2292634	20.0000	19

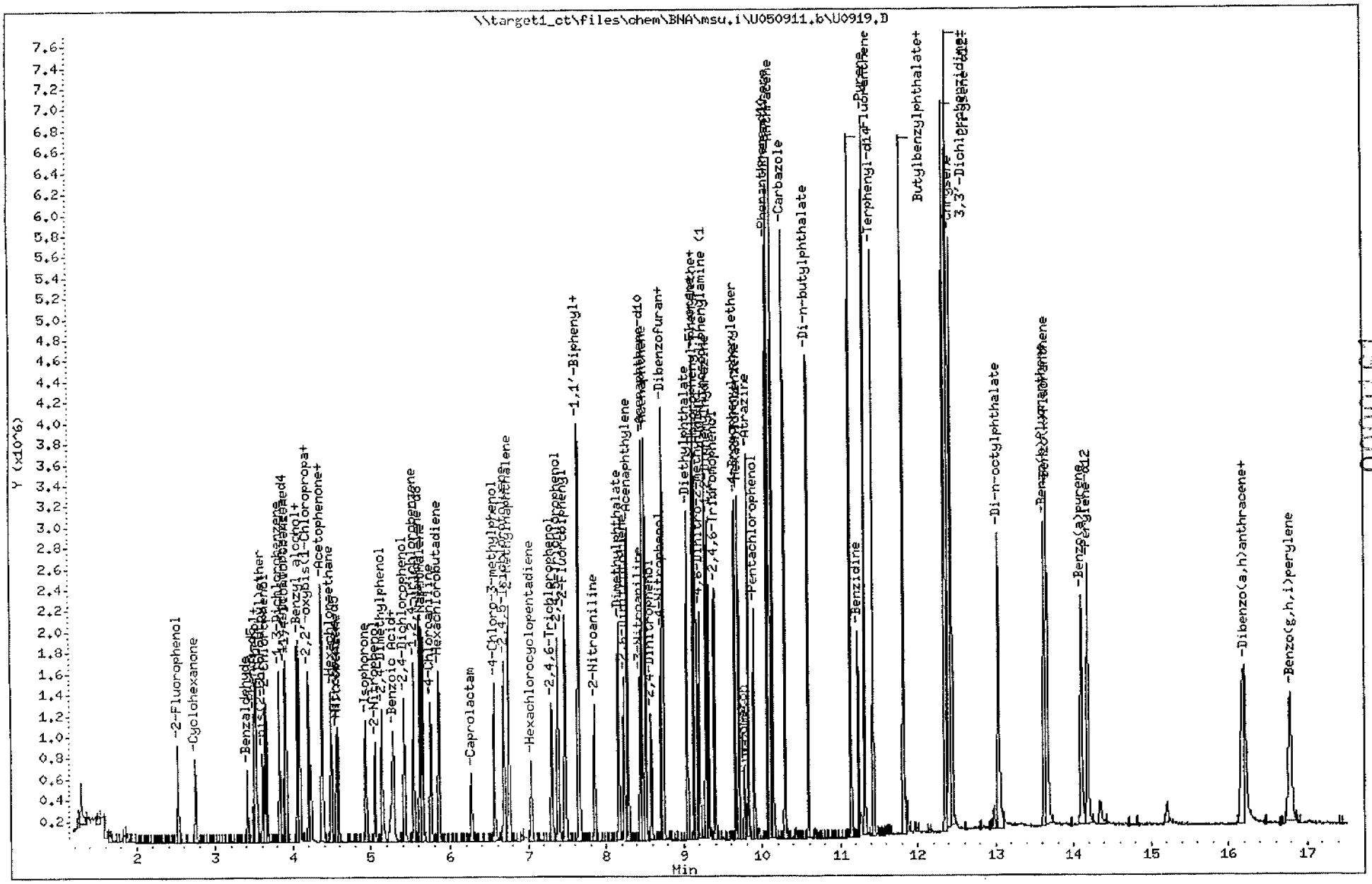
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
68	Fluoranthene	202	11.137	11.137	(1.105)	2138620	20.0000	18
* 70	Chrysene-d12	240	12.419	12.424	(1.000)	1739553	20.0000	
71	Benzidine	184	11.239	11.244	(0.905)	605619	20.0000	21
72	Pyrene	202	11.329	11.329	(0.912)	2274950	20.0000	18
$ 73	Terphenyl-d14	244	11.436	11.442	(0.921)	1387196	20.0000	17
74	Butylbenzylphthalate	149	11.826	11.826	(0.952)	1069884	20.0000	20
124	3,3'-Dimethylbenzidine	212	11.826	11.826	(0.952)	686399	20.0000	24
75	3,3'-Dichlorobenzidine	252	12.361	12.360	(0.995)	653799	20.0000	20
76	Benzo(a)anthracene	228	12.409	12.414	(0.999)	2237884	20.0000	20
77	Chrysene	228	12.446	12.451	(1.002)	1956657	20.0000	19
78	Bis(2-Ethylhexyl)phthalate	149	12.355	12.360	(0.995)	1361404	20.0000	20
* 79	Perylene-d12	264	14.188	14.187	(1.000)	1376451	20.0000	
80	Di-n-octylphthalate	149	13.044	13.044	(0.919)	1942145	20.0000	20
81	Benzo(b)fluoranthene	252	13.627	13.637	(0.960)	1531034	20.0000	20
82	Benzo(k)fluoranthene	252	13.664	13.675	(0.963)	1729677	20.0000	21
83	Benzo(a)pyrene	252	14.102	14.107	(0.994)	1367266	20.0000	20
84	Indeno(1,2,3-cd)pyrene	276	16.175	16.196	(1.140)	1492963	20.0000	22(M)
85	Dibenzo(a,h)anthracene	278	16.212	16.228	(1.143)	1127094	20.0000	17
86	Benzo(g,h,i)perylene	276	16.789	16.821	(1.183)	1268923	20.0000	20

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target1_ct\files\chem\BNA\msu.i\U050911.b\U0919.D
Date : 02-SEP-2005 14:52
Client ID: SSTD20/30
Sample Info: SSTD20/30
Volume Injected (uL): 1.0
Column phase: RTX-5

Instrument: msu.i
Operator: e. martin
Column diameter: 0.25



STL-Connecticut

Semivolatile REPORT SW-846 Method 8270

Data file : \\target1_ct\files\chem\BNA\msu.i\U050911.b\U0920.D
Lab Smp Id: SSTD060 Client Smp ID: SSTD060
Inj Date : 02-SEP-2005 15:18 MS Autotune Date: 04-FEB-2005 14:15
Operator : e. martin Inst ID: msu.i
Smp Info : SSTD060
Misc Info : : LCS;54122;0.500;0.400;fms0505_wa.spk
Comment :
Method : \\target1_ct\files\chem\BNA\msu.i\U050911.b\MSU8270.m
Meth Date : 04-Sep-2005 12:26 liz Quant Type: ISTD
Cal Date : 02-SEP-2005 15:18 Cal File: U0920.D
Als bottle: 31 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: std2.sub
Target Version: 4.10
Processing Host: CONMSRNT

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	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	3.898	3.893	(1.000)	256535	20.0000	
$ 2	2-Fluorophenol	112	2.520	2.525	(0.646)	769386	60.0000	59
$ 3	Phenol-d5	99	3.503	3.503	(0.899)	1005203	60.0000	57
4	Pyridine	52	1.275	1.275	(0.327)	257481	60.0000	55
5	N-Nitrosodimethylamine	42	1.249	1.249	(0.320)	118053	60.0000	55
6	Cyclohexanone	42	2.755	2.755	(0.707)	275559	60.0000	51
128	Benzaldehyde	77	3.412	3.412	(0.875)	316449	60.0000	64
7	Phenol	94	3.519	3.519	(0.903)	1097222	60.0000	54
8	Aniline	93	3.530	3.530	(0.905)	1273505	60.0000	57
9	bis(2-Chloroethyl)ether	63	3.610	3.610	(0.926)	515095	60.0000	58
10	2-Chlorophenol	128	3.663	3.663	(0.940)	948263	60.0000	59
11	1,3-Dichlorobenzene	146	3.829	3.829	(0.982)	1146315	60.0000	59
12	1,4-Dichlorobenzene	146	3.914	3.914	(1.004)	1120949	60.0000	58
13	Benzyl alcohol	108	4.059	4.064	(1.041)	489853	60.0000	55
14	1,2-Dichlorobenzene	146	4.085	4.085	(1.048)	1111941	60.0000	59
15	2,2'-oxybis(1-Chloropropane)	45	4.224	4.219	(1.084)	926771	60.0000	58
16	2-Methylphenol	108	4.203	4.208	(1.078)	875062	60.0000	59
92	Acetophenone	105	4.369	4.374	(1.121)	1274615	60.0000	57
17	Hexachloroethane	117	4.491	4.486	(1.152)	492983	60.0000	59
18	N-Nitroso-di-n-propylamine	70	4.374	4.379	(1.122)	632655	60.0000	57

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
19	4-Methylphenol	108	4.390	4.384	(1.126)	837313	60.0000	54
* 20	Naphthalene-d8	136	5.629	5.629	(1.000)	1045759	20.0000	
$ 21	Nitrobenzene-d5	82	4.561	4.561	(0.810)	1013854	60.0000	61
22	Nitrobenzene	77	4.588	4.587	(0.815)	922063	60.0000	60
23	Isophorone	82	4.940	4.945	(0.878)	1659639	60.0000	61
24	2-Nitrophenol	139	5.058	5.058	(0.898)	572354	60.0000	63
25	2,4-Dimethylphenol	122	5.148	5.148	(0.915)	826092	60.0000	62
26	Benzoic Acid	122	5.298	5.314	(0.941)	524087	60.0000	91(AM)
27	Bis(2-Chloroethoxy)methane	93	5.293	5.293	(0.940)	1043690	60.0000	60
28	2,4-Dichlorophenol	162	5.432	5.431	(0.965)	972430	60.0000	63
29	1,2,4-Trichlorobenzene	180	5.544	5.549	(0.985)	997424	60.0000	56
30	Naphthalene	128	5.661	5.667	(1.006)	2796165	60.0000	58
31	4-Chloroaniline	127	5.763	5.763	(1.024)	1169442	60.0000	58
32	Hexachlorobutadiene	225	5.864	5.864	(1.042)	719191	60.0000	60
129	Caprolactam	113	6.302	6.313	(1.120)	302538	60.0000	64
33	4-Chloro-3-methylphenol	107	6.570	6.575	(1.167)	1015701	60.0000	61
34	2-Methylnaphthalene	142	6.762	6.762	(1.201)	2311097	60.0000	61
* 35	Acenaphthene-d10	164	8.482	8.487	(1.000)	759074	20.0000	
36	2,4,5-Trichlorotoluene	159	6.692	6.692	(1.717)	976282	60.0000	57
37	Hexachlorocyclopentadiene	237	7.045	7.045	(0.831)	601748	60.0000	76
38	2,4,6-Trichlorophenol	196	7.312	7.312	(0.862)	822286	60.0000	64
39	2,4,5-Trichlorophenol	196	7.392	7.397	(0.872)	840487	60.0000	58
$ 40	2-Fluorobiphenyl	172	7.488	7.483	(0.883)	2480237	60.0000	58
130	1,1'-Biphenyl	154	7.654	7.654	(0.902)	3004210	60.0000	62
41	2-Chloronaphthalene	162	7.665	7.665	(0.904)	2391137	60.0000	62
42	2-Nitroaniline	65	7.857	7.862	(0.926)	615075	60.0000	58
43	Acenaphthylene	152	8.290	8.290	(0.977)	4100666	60.0000	63
44	Dimethylphthalate	163	8.172	8.172	(0.963)	2746427	60.0000	60
45	2,6-Dinitrotoluene	165	8.242	8.247	(0.972)	635762	60.0000	64
46	Acenaphthene	153	8.525	8.525	(1.005)	2618722	60.0000	63
47	3-Nitroaniline	138	8.461	8.461	(0.997)	712534	60.0000	62
48	2,4-Dinitrophenol	184	8.600	8.600	(1.014)	332084	60.0000	62
49	Dibenzofuran	168	8.749	8.749	(1.031)	3918100	60.0000	61
50	2,4-Dinitrotoluene	165	8.760	8.760	(1.033)	825169	60.0000	55
51	4-Nitrophenol	109	8.728	8.728	(1.029)	473256	60.0000	58
52	Fluorene	166	9.144	9.144	(1.078)	3261443	60.0000	61
53	4-Chlorophenyl-phenylether	204	9.161	9.160	(1.080)	1657120	60.0000	60
54	Diethylphthalate	149	9.059	9.064	(1.068)	3134824	60.0000	61
55	4-Nitroaniline	138	9.182	9.182	(1.083)	788198	60.0000	63
$ 56	2,4,6-Tribromophenol	330	9.406	9.406	(1.109)	389603	60.0000	61
* 57	Phenanthrene-d10	188	10.079	10.085	(1.000)	1482383	20.0000	
58	4,6-Dinitro-2-methylphenol	198	9.214	9.219	(0.914)	579544	60.0000	67
59	N-Nitrosodiphenylamine (1)	169	9.289	9.294	(0.922)	2466951	60.0000	60
60	1,2-Diphenylhydrazine	77	9.326	9.326	(0.925)	3125027	60.0000	58
61	4-Bromophenyl-phenylether	248	9.663	9.663	(0.959)	1014521	60.0000	61
166	Prometon	58	9.775	9.775	(0.970)	95911	12.0000	10
167	Simazine	201	9.796	9.801	(0.972)	92906	12.0000	12
131	Atrazine	200	9.834	9.833	(0.976)	912504	60.0000	57
62	Hexachlorobenzene	284	9.705	9.705	(0.963)	949922	60.0000	60
63	Pentachlorophenol	266	9.908	9.909	(0.983)	411581	60.0000	74
64	Phenanthrene	178	10.106	10.106	(1.003)	5315748	60.0000	59
65	Carbazole	167	10.304	10.304	(1.022)	4483647	60.0000	55
66	Anthracene	178	10.154	10.149	(1.007)	5287552	60.0000	61
67	Di-n-butylphthalate	149	10.598	10.592	(1.051)	5508987	60.0000	55

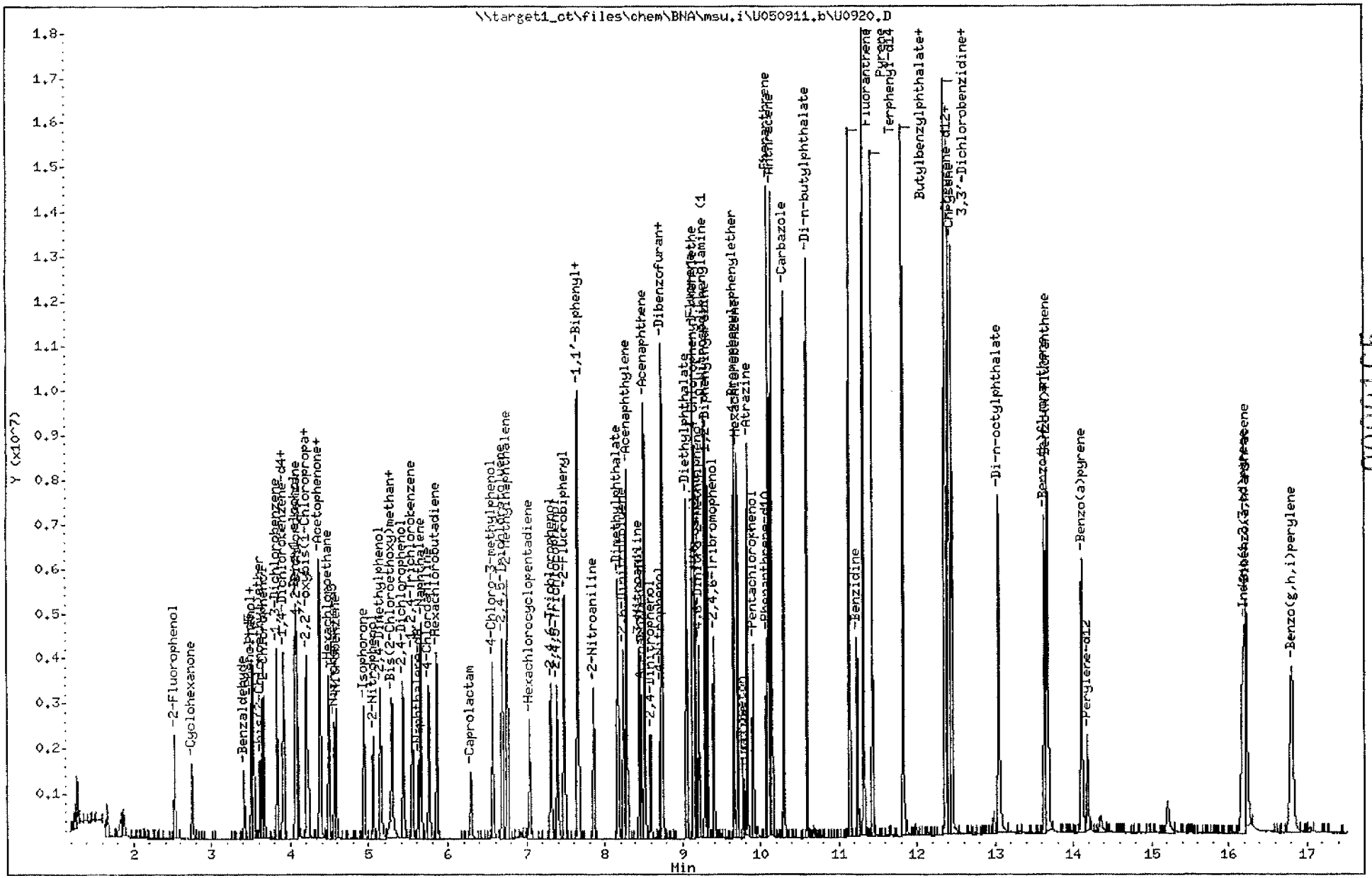
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
	68 Fluoranthene	202	11.142	11.137	(1.105)	5780563	60.0000	60
*	70 Chrysene-d12	240	12.419	12.424	(1.000)	1333968	20.0000	
	71 Benzidine	184	11.239	11.244	(0.905)	1493934	60.0000	66
	72 Pyrene	202	11.329	11.329	(0.912)	5980009	60.0000	63
$	73 Terphenyl-d14	244	11.442	11.442	(0.921)	3865025	60.0000	63
	74 Butylbenzylphthalate	149	11.826	11.826	(0.952)	2417750	60.0000	58
	124 3,3'-Dimethylbenzidine	212	11.826	11.826	(0.952)	1129375	60.0000	51
	75 3,3'-Dichlorobenzidine	252	12.361	12.360	(0.995)	1598599	60.0000	65
	76 Benzo(a)anthracene	228	12.409	12.414	(0.999)	5308670	60.0000	62
	77 Chrysene	228	12.446	12.451	(1.002)	5036559	60.0000	63
	78 Bis(2-Ethylhexyl)phthalate	149	12.361	12.360	(0.995)	3238405	60.0000	61
*	79 Perylene-d12	264	14.188	14.187	(1.000)	1153895	20.0000	
	80 Di-n-octylphthalate	149	13.044	13.044	(0.919)	5253313	60.0000	63
	81 Benzo(b)fluoranthene	252	13.637	13.637	(0.961)	3904084	60.0000	61
	82 Benzo(k)fluoranthene	252	13.669	13.675	(0.963)	4447712	60.0000	63
	83 Benzo(a)pyrene	252	14.113	14.107	(0.995)	3641921	60.0000	63
	84 Indeno(1,2,3-cd)pyrene	276	16.191	16.196	(1.141)	4668187	60.0000	69(M)
	85 Dibenzo(a,h)anthracene	278	16.223	16.228	(1.143)	3818636	60.0000	71
	86 Benzo(g,h,i)perylene	276	16.816	16.821	(1.185)	4023696	60.0000	69(M)

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\msu.i\U050911.b\U0920.D
Date : 02-SEP-2005 15:18
Client ID: SSTD060
Sample Info: SSTD060
Volume Injected (uL): 1.0
Column phase: RTX-5

Instrument: msu.i
Operator: e. martin
Column diameter: 0.25



STL-Connecticut

Semivolatile REPORT SW-846 Method 8270

Data file : \\target1_ct\files\chem\BNA\msu.i\U050911.b\U0921.D
Lab Smp Id: SSTD080 Client Smp ID: SSTD080
Inj Date : 02-SEP-2005 15:44 MS Autotune Date: 04-FEB-2005 14:15
Operator : e. martin Inst ID: msu.i
Smp Info : SSTD080
Misc Info : : LCS;54122;0.500;0.400;fms0505_wa.spk
Comment :
Method : \\target1_ct\files\chem\BNA\msu.i\U050911.b\MSU8270.m
Meth Date : 04-Sep-2005 12:26 liz Quant Type: ISTD
Cal Date : 02-SEP-2005 15:44 Cal File: U0921.D
Als bottle: 32 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: std2.sub
Target Version: 4.10
Processing Host: CONMSRNT

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	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	3.893	3.893	(1.000)	243418	20.0000	
$ 2	2-Fluorophenol	112	2.525	2.525	(0.649)	1086810	80.0000	87(A)
$ 3	Phenol-d5	99	3.503	3.503	(0.900)	1399695	80.0000	83(A)
4	Pyridine	52	1.275	1.275	(0.328)	353210	80.0000	76(M)
5	N-Nitrosodimethylamine	42	1.249	1.249	(0.321)	176859	80.0000	86(A)
6	Cyclohexanone	42	2.755	2.755	(0.708)	406730	80.0000	80
128	Benzaldehyde	77	3.412	3.412	(0.877)	268592	80.0000	57
7	Phenol	94	3.519	3.519	(0.904)	1661035	80.0000	86(A)
8	Aniline	93	3.530	3.530	(0.907)	1831004	80.0000	86(A)
9	bis(2-Chloroethyl)ether	63	3.610	3.610	(0.927)	713819	80.0000	84(A)
10	2-Chlorophenol	128	3.663	3.663	(0.941)	1306621	80.0000	86(A)
11	1,3-Dichlorobenzene	146	3.829	3.829	(0.984)	1588836	80.0000	86(A)
12	1,4-Dichlorobenzene	146	3.914	3.914	(1.005)	1501598	80.0000	82(A)
13	Benzyl alcohol	108	4.064	4.064	(1.044)	729056	80.0000	86(A)
14	1,2-Dichlorobenzene	146	4.085	4.085	(1.049)	1527467	80.0000	86(A)
15	2,2'-oxybis(1-Chloropropane)	45	4.219	4.219	(1.084)	1235242	80.0000	82(A)
16	2-Methylphenol	108	4.208	4.208	(1.081)	1102912	80.0000	79
92	Acetophenone	105	4.374	4.374	(1.123)	1722335	80.0000	81(A)
17	Hexachloroethane	117	4.486	4.486	(1.152)	645936	80.0000	82(A)
18	N-Nitroso-di-n-propylamine	70	4.379	4.379	(1.125)	861574	80.0000	82(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
19	4-Methylphenol	108	4.384	4.384	(1.126)	1308976	80.0000	89 (A)
* 20	Naphthalene-d8	136	5.629	5.629	(1.000)	1043756	20.0000	
$ 21	Nitrobenzene-d5	82	4.561	4.561	(0.810)	1375965	80.0000	83 (A)
22	Nitrobenzene	77	4.587	4.587	(0.815)	1312009	80.0000	85 (A)
23	Isophorone	82	4.945	4.945	(0.879)	2337887	80.0000	86 (A)
24	2-Nitrophenol	139	5.058	5.058	(0.898)	800777	80.0000	88 (A)
25	2,4-Dimethylphenol	122	5.148	5.148	(0.915)	1116381	80.0000	84 (A)
26	Benzoic Acid	122	5.314	5.314	(0.944)	769388	80.0000	110 (AM)
27	Bis(2-Chloroethoxy)methane	93	5.293	5.293	(0.940)	1468925	80.0000	85 (A)
28	2,4-Dichlorophenol	162	5.431	5.431	(0.965)	1286129	80.0000	83 (A)
29	1,2,4-Trichlorobenzene	180	5.549	5.549	(0.986)	1563181	80.0000	88 (A)
30	Naphthalene	128	5.667	5.667	(1.007)	3840714	80.0000	79
31	4-Chloroaniline	127	5.763	5.763	(1.024)	1686388	80.0000	84 (A)
32	Hexachlorobutadiene	225	5.864	5.864	(1.042)	1017317	80.0000	85 (A)
129	Caprolactam	113	6.313	6.313	(1.121)	400576	80.0000	85 (A)
33	4-Chloro-3-methylphenol	107	6.575	6.575	(1.168)	1446617	80.0000	87 (A)
34	2-Methylnaphthalene	142	6.762	6.762	(1.201)	3170548	80.0000	84 (A)
* 35	Acenaphthene-d10	164	8.487	8.487	(1.000)	759614	20.0000	
36	2,4,5-Trichlorotoluene	159	6.692	6.692	(1.719)	1421836	80.0000	87 (A)
37	Hexachlorocyclopentadiene	237	7.045	7.045	(0.830)	950078	80.0000	120 (A)
38	2,4,6-Trichlorophenol	196	7.312	7.312	(0.862)	1151813	80.0000	85 (A)
39	2,4,5-Trichlorophenol	196	7.397	7.397	(0.872)	1272507	80.0000	88 (A)
$ 40	2-Fluorobiphenyl	172	7.483	7.483	(0.882)	3684005	80.0000	86 (A)
130	1,1'-Biphenyl	154	7.654	7.654	(0.902)	4114639	80.0000	85 (A)
41	2-Chloronaphthalene	162	7.665	7.665	(0.903)	3222099	80.0000	83 (A)
42	2-Nitroaniline	65	7.862	7.862	(0.926)	943470	80.0000	88 (A)
43	Acenaphthylene	152	8.290	8.290	(0.977)	5731498	80.0000	88 (A)
44	Dimethylphthalate	163	8.172	8.172	(0.963)	3824752	80.0000	84 (A)
45	2,6-Dinitrotoluene	165	8.247	8.247	(0.972)	889704	80.0000	89 (A)
46	Acenaphthene	153	8.525	8.525	(1.004)	3406044	80.0000	82 (A)
47	3-Nitroaniline	138	8.461	8.461	(0.997)	1036005	80.0000	89 (A)
48	2,4-Dinitrophenol	184	8.599	8.600	(1.013)	566472	80.0000	110 (A)
49	Dibenzofuran	168	8.749	8.749	(1.031)	5607601	80.0000	88 (A)
50	2,4-Dinitrotoluene	165	8.760	8.760	(1.032)	1377118	80.0000	92 (A)
51	4-Nitrophenol	109	8.728	8.728	(1.028)	741996	80.0000	91 (A)
52	Fluorene	166	9.144	9.144	(1.077)	4661221	80.0000	86 (A)
53	4-Chlorophenyl-phenylether	204	9.160	9.160	(1.079)	2375289	80.0000	86 (A)
54	Diethylphthalate	149	9.064	9.064	(1.068)	4470241	80.0000	86 (A)
55	4-Nitroaniline	138	9.182	9.182	(1.082)	1036784	80.0000	83 (A)
$ 56	2,4,6-Tribromophenol	330	9.406	9.406	(1.108)	589598	80.0000	92 (A)
* 57	Phenanthrene-d10	188	10.085	10.085	(1.000)	1526993	20.0000	
58	4,6-Dinitro-2-methylphenol	198	9.219	9.219	(0.914)	855869	80.0000	96 (A)
59	N-Nitrosodiphenylamine (1)	169	9.294	9.294	(0.922)	3578715	80.0000	84 (A)
60	1,2-Diphenylhydrazine	77	9.326	9.326	(0.925)	4423812	80.0000	80
61	4-Bromophenyl-phenylether	248	9.663	9.663	(0.958)	1473476	80.0000	87 (A)
166	Prometon	58	9.775	9.775	(0.969)	174701	16.0000	18 (A)
167	Simazine	201	9.801	9.801	(0.972)	142044	16.0000	17
131	Atrazine	200	9.833	9.833	(0.975)	1397576	80.0000	85 (A)
62	Hexachlorobenzene	284	9.705	9.705	(0.962)	1420876	80.0000	86 (A)
63	Pentachlorophenol	266	9.908	9.909	(0.983)	684315	80.0000	120 (A)
64	Phenanthrene	178	10.106	10.106	(1.002)	7406560	80.0000	80 (A)
65	Carbazole	167	10.304	10.304	(1.022)	6893112	80.0000	81 (A)
66	Anthracene	178	10.149	10.149	(1.006)	7505767	80.0000	84 (A)
67	Di-n-butylphthalate	149	10.592	10.592	(1.050)	7849726	80.0000	77

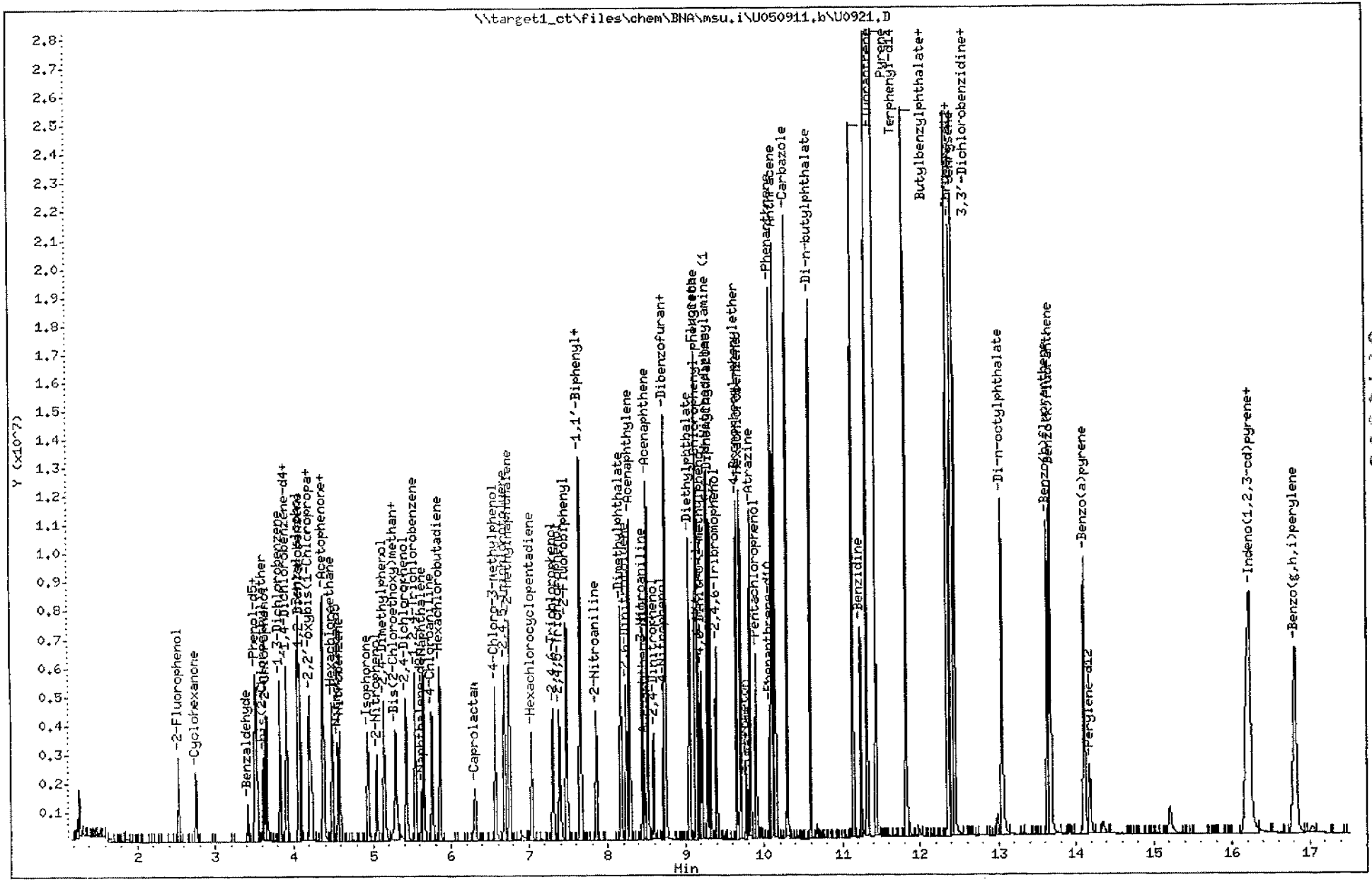
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
	68 Fluoranthene	202	11.137	11.137	(1.104)	7757902	80.0000	79
*	70 Chrysene-d12	240	12.424	12.424	(1.000)	1648171	20.0000	
	71 Benzidine	184	11.244	11.244	(0.905)	2566953	80.0000	92(A)
	72 Pyrene	202	11.329	11.329	(0.912)	8321231	80.0000	71
$	73 Terphenyl-d14	244	11.442	11.442	(0.921)	6787896	80.0000	90(A)
	74 Butylbenzylphthalate	149	11.826	11.826	(0.952)	4165069	80.0000	80(A)
	124 3,3'-Dimethylbenzidine	212	11.826	11.826	(0.952)	1713431	80.0000	63
	75 3,3'-Dichlorobenzidine	252	12.360	12.360	(0.995)	2335198	80.0000	77
	76 Benzo(a)anthracene	228	12.414	12.414	(0.999)	8340956	80.0000	79
	77 Chrysene	228	12.451	12.451	(1.002)	7488104	80.0000	76
	78 Bis(2-Ethylhexyl)phthalate	149	12.360	12.360	(0.995)	5725162	80.0000	87(A)
*	79 Perylene-d12	264	14.187	14.187	(1.000)	1301800	20.0000	
	80 Di-n-octylphthalate	149	13.044	13.044	(0.919)	8005839	80.0000	86(A)
	81 Benzo(b)fluoranthene	252	13.637	13.637	(0.961)	5691292	80.0000	79
	82 Benzo(k)fluoranthene	252	13.675	13.675	(0.964)	6518175	80.0000	82(A)
	83 Benzo(a)pyrene	252	14.107	14.107	(0.994)	5555525	80.0000	85(A)
	84 Indeno(1,2,3-cd)pyrene	276	16.196	16.196	(1.142)	9670528	80.0000	100(A)
	85 Dibenzo(a,h)anthracene	278	16.228	16.228	(1.144)	6188321	80.0000	100(A)
	86 Benzo(g,h,i)perylene	276	16.821	16.821	(1.186)	6973612	80.0000	110(A)

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\msu.i\U050911.b\U0921.D
Date : 02-SEP-2005 15:44
Client ID: SSTD080
Sample Info: SSTD080
Volume Injected (uL): 1.0
Column phase: RTX-5

Instrument: msu.i
Operator: e. martin
Column diameter: 0.25



Data File: \\Target1_ct\Files\chem\BNA\msu.i\U050911.b\Us0915.D

Date : 02-SEP-2005 13:07

Client ID: DFTPP02

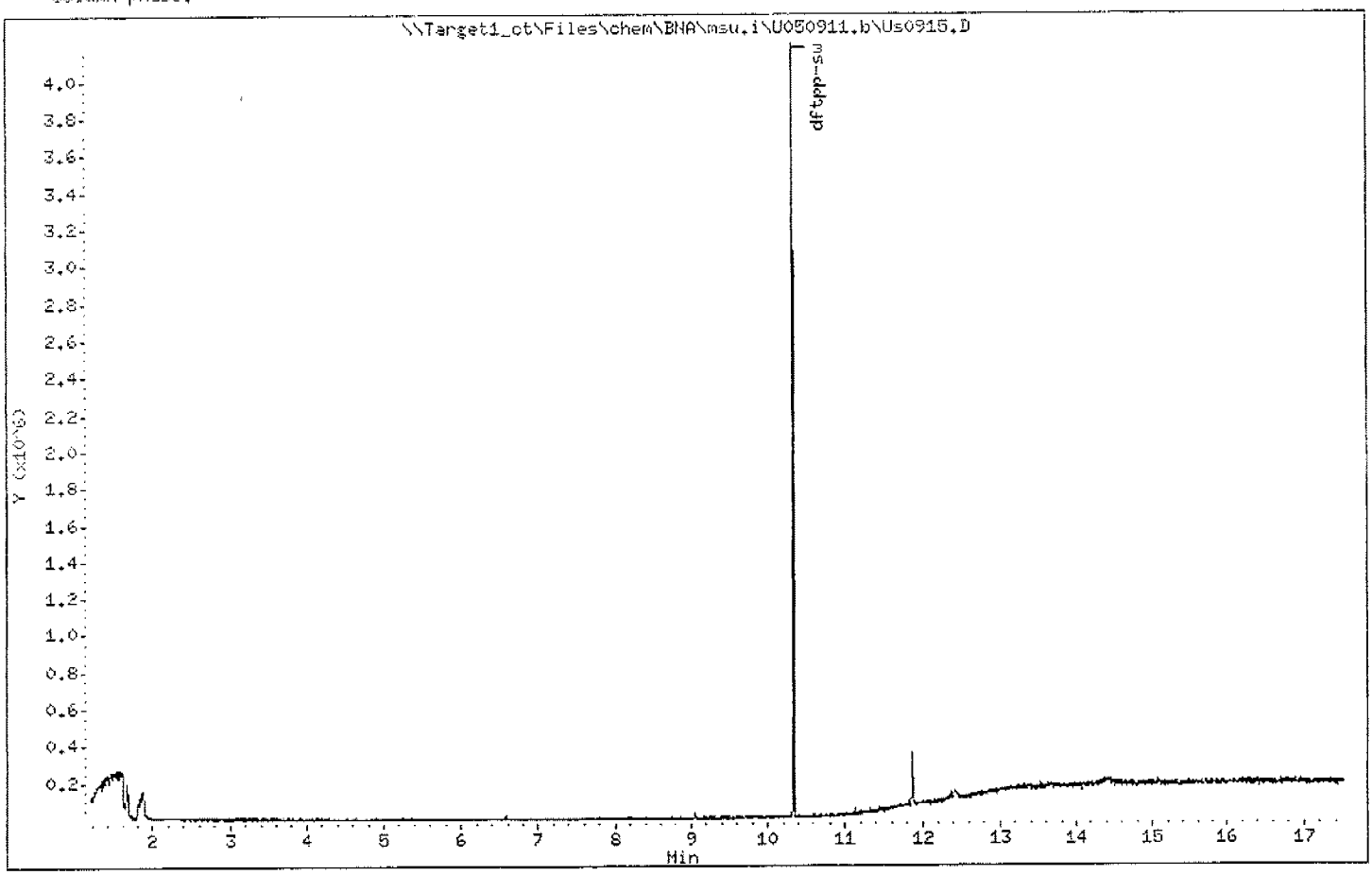
Instrument: msu.i

Sample Info: DFTPP02S

Operator: e. martin

Column phase:

Column diameter: 2.00



Data File: \\Target1_st\Files\chem\BNA\msu.i\U050911.b\Us0915.D

Date : 08-SEP-2005 13:07

Client ID: DFTPP02

Instrument: msu.i

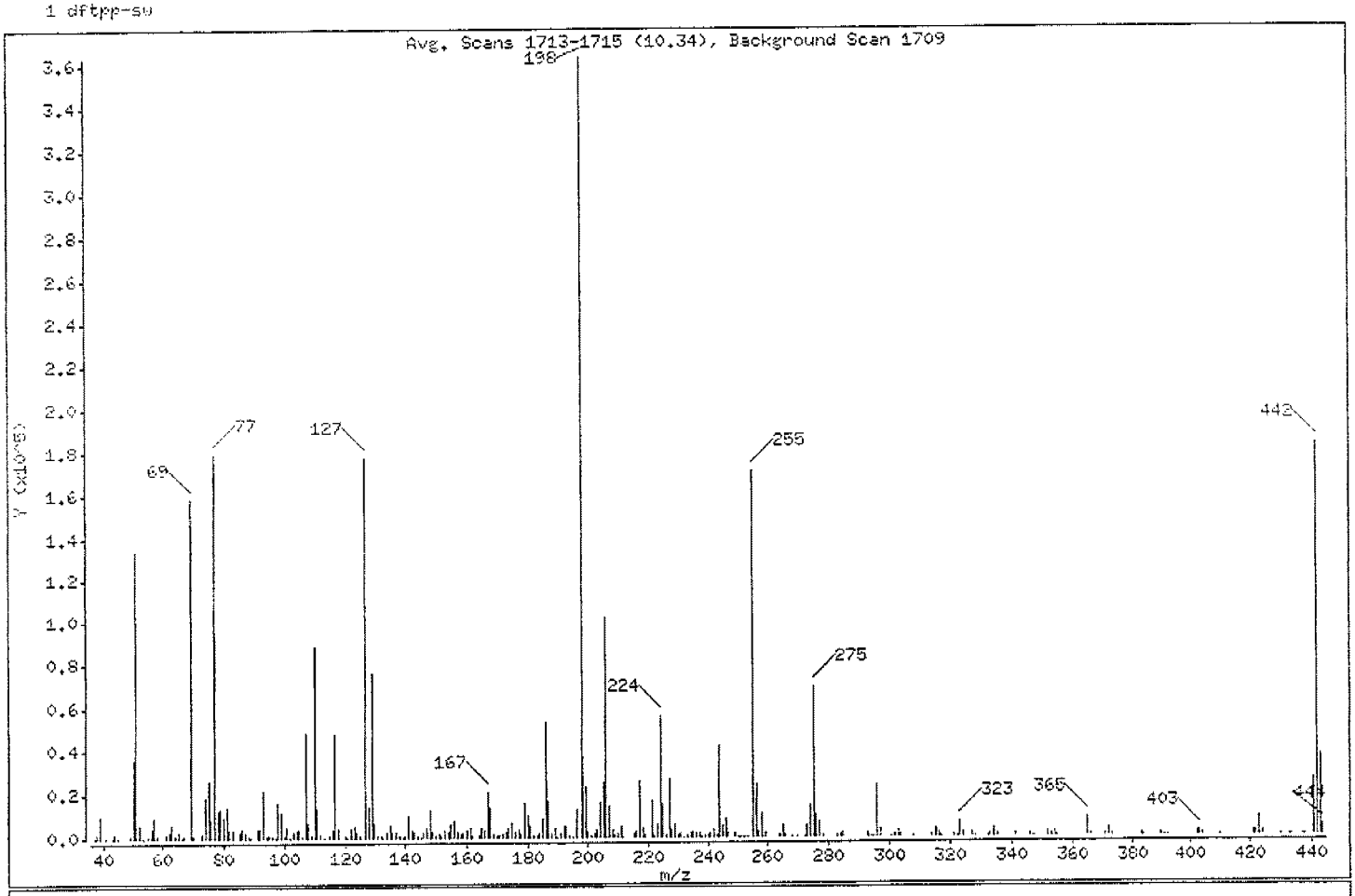
Sample Info: DFTPP025

Operator: e. martin

Column phase:

Column diameter: 2.00

1 dftpp-su



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	36.69
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Less than 100.00% of mass 198	43.45
70	Less than 2.00% of mass 69	0.25 (0.58)
127	40.00 - 60.00% of mass 198	48.70
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.32
275	10.00 - 30.00% of mass 198	19.17
365	1.00 - 100.00% of mass 198	2.33
441	Present, but less than mass 443	7.17
442	40.00 - 100.00% of mass 198	50.14
443	17.00 - 23.00% of mass 442	10.03 (20.01)

Data File: \\Target1_ot\Files\chem\BNA\msu.i\U050911.b\Us0915.D

Date : 02-SEP-2005 13:07

Client ID: DFTPP02

Instrument: msu.i

Sample Info: DFTPP025

Operator: e. martin

Column phase:

Column diameter: 2.00

Data File: Us0915.D

Spectrum: Avg. Scans 1713-1715 (10.34), Background Scan 1709

Location of Maximum: 198.00

Number of points: 273

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38.00	1915	122.00	4478	193.00	5207	275.00	69704
39.00	9792	123.00	5299	194.00	613	276.00	9686
41.00	262	124.00	2523	195.00	285	277.00	7057
43.00	378	125.00	1136	196.00	12554	278.00	921
44.00	1548	127.00	177088	198.00	363648	283.00	861
45.00	213	128.00	13962	199.00	23000	284.00	439
49.00	738	129.00	75832	200.00	2460	285.00	1258
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51.00	133440	131.00	1121	202.00	1356	294.00	243
52.00	6051	132.00	597	203.00	3245	295.00	223
53.00	398	133.00	398	204.00	15477	296.00	23264
55.00	1116	134.00	2454	205.00	25312	297.00	3213
56.00	4043	135.00	6077	206.00	101904	301.00	183
57.00	8836	136.00	2153	207.00	14285	302.00	440
58.00	455	137.00	2851	208.00	3656	303.00	2683
61.00	1695	138.00	565	209.00	824	304.00	652
62.00	2388	139.00	256	210.00	1533	308.00	214
63.00	5554	140.00	810	211.00	4648	314.00	1168
64.00	723	141.00	9736	212.00	326	315.00	3383
65.00	2768	142.00	2947	215.00	1300	316.00	1814
66.00	196	143.00	2546	216.00	2266	317.00	193
67.00	576	144.00	561	217.00	26104	321.00	784
69.00	158016	145.00	176	218.00	3968	322.00	374
70.00	920	146.00	2136	219.00	486	323.00	6634
73.00	1489	147.00	4007	221.00	16920	324.00	1305
74.00	17992	148.00	12424	222.00	645	327.00	1711
75.00	25520	149.00	2845	223.00	6223	328.00	363
76.00	8749	150.00	630	224.00	56056	332.00	370
77.00	179072	151.00	1515	225.00	15009	333.00	542
78.00	12860	152.00	768	226.00	948	334.00	3567
79.00	13012	153.00	3346	227.00	26656	335.00	821
80.00	9137	154.00	2238	228.00	3084	341.00	485
81.00	14173	155.00	5887	229.00	5792	346.00	980
82.00	3658	156.00	7799	230.00	497	347.00	339

Date : 02-SEP-2005 13:07

Client ID: DFTPP02 Instrument: msu.i

Sample Info: DFTPP025

Operator: e. martin

Column phase: Column diameter: 2.00

Data File: Us0915.D

Spectrum: Avg. Scans 1713-1715 (10,34), Background Scan 1709

Location of Maximum: 198.00

Number of points: 273

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.00	3056	157.00	2525	231.00	1858	352.00	1792
85.00	2736	158.00	1820	232.00	214	353.00	1088
86.00	3824	159.00	1847	233.00	502	354.00	2043
87.00	2174	160.00	3310	234.00	1421	355.00	205
88.00	1023	161.00	4469	235.00	2092	365.00	8466
89.00	274	162.00	1108	236.00	1523	366.00	1104
91.00	3375	164.00	776	237.00	1992	371.00	666
92.00	3779	165.00	3957	238.00	216	372.00	3370
93.00	22096	166.00	3019	239.00	745	373.00	825
94.00	1187	167.00	21280	240.00	710	383.00	1053
95.00	542	168.00	13445	241.00	1694	384.00	302
96.00	874	169.00	1605	242.00	2951	390.00	521
97.00	325	170.00	688	243.00	841	391.00	405
98.00	15737	171.00	932	244.00	42128	392.00	210
99.00	11680	172.00	1981	245.00	5380	402.00	1367
100.00	1189	173.00	2846	246.00	8032	403.00	2046
101.00	5306	174.00	4177	247.00	1529	404.00	678
102.00	209	175.00	6961	249.00	1542	410.00	178
103.00	2760	176.00	2278	250.00	230	421.00	1324
104.00	3450	177.00	3692	251.00	185	422.00	1257
105.00	3502	178.00	1662	252.00	277	423.00	8683
106.00	643	179.00	16164	253.00	211	424.00	1814
107.00	48328	180.00	10389	255.00	170496	430.00	212
108.00	6782	181.00	5033	256.00	23856	433.00	198
109.00	450	182.00	448	257.00	2119	434.00	220
110.00	88344	183.00	432	258.00	10946	437.00	277
111.00	13535	184.00	1450	259.00	1872	438.00	192
112.00	2086	185.00	8141	264.00	461	441.00	26088
113.00	338	186.00	53656	265.00	4672	442.00	182336
115.00	517	187.00	16381	266.00	591	443.00	36488
116.00	3114	188.00	1586	268.00	189	444.00	3867
117.00	47328	189.00	3963	270.00	187		
118.00	3846	190.00	222	272.00	168		
120.00	889	191.00	1864	273.00	5362		

QUALITY CONTROL RESULTS

Job Number.: 210611

Report Date.: 09/09/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		54122 -001		09/02/2005	1637

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

Equipment Code....: MSU
Batch.....: 54365

Analyst...: epm

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\U050911.b\U0923.D
Lab Smp Id: 54122-1MB Client Smp ID: 54122-1MB
Inj Date : 02-SEP-2005 16:37 MS Autotune Date: 04-FEB-2005 14:15
Operator : e. martin Inst ID: msu.i
Smp Info : MB
Misc Info : : MB ;54122;0.500
Comment :
Method : \\target1_ct\files\chem\BNA\msu.i\U050911.b\MSU8270.m
Meth Date : 08-Sep-2005 10:28 kathrinw Quant Type: ISTD
Cal Date : 02-SEP-2005 15:44 Cal File: U0921.D
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: std2.sub
Target Version: 4.10
Processing Host: CONMSRNT

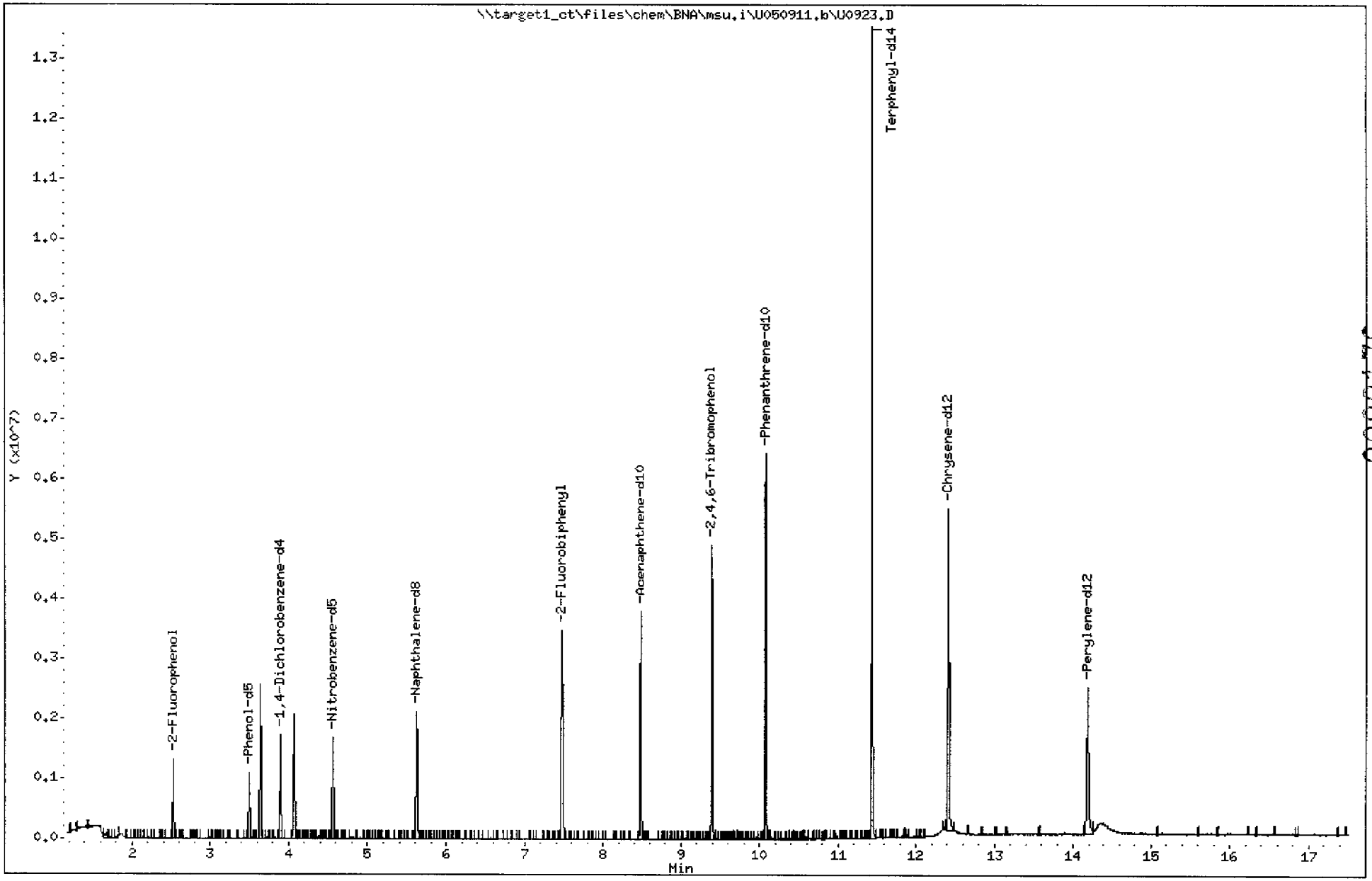
Concentration Formula: Amt * DF * Uf * Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	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	3.893	3.898	(1.000)	308212	20.0000	
$	2 2-Fluorophenol	112	2.520	2.525	(0.647)	407578	25.8761	26
$	3 Phenol-d5	99	3.498	3.498	(0.898)	380398	17.8107	18
*	20 Naphthalene-d8	136	5.624	5.624	(1.000)	1304094	20.0000	
$	21 Nitrobenzene-d5	82	4.556	4.561	(0.810)	615501	29.7718	30
*	35 Acenaphthene-d10	164	8.482	8.482	(1.000)	975307	20.0000	
$	40 2-Fluorobiphenyl	172	7.478	7.483	(0.882)	1678004	30.6610	31
$	56 2,4,6-Tribromophenol	330	9.401	9.401	(1.108)	435806	53.2156	53
*	57 Phenanthrene-d10	188	10.079	10.079	(1.000)	1997850	20.0000	
*	70 Chrysene-d12	240	12.414	12.419	(1.000)	1757506	20.0000	
$	73 Terphenyl-d14	244	11.436	11.442	(0.921)	3256037	40.3805	40
*	79 Perylene-d12	264	14.182	14.188	(1.000)	1302289	20.0000	

Data File: \\target1_ct\files\chem\BNA\msu.i\U050911.b\U0923.D
Date : 02-SEP-2005 16:37
Client ID: 54122-1MB
Sample Info: MB
Volume Injected (uL): 1.0
Column phase: RTX-5

Instrument: msu.i
Operator: e. martin
Column diameter: 0.25



QUALITY CONTROL RESULTS

Job Number.: 210611

Report Date.: 09/08/2005

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

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Leachate Extraction Blank 1		54122 -003		09/02/2005	1729

Test Method.....: 8270C
Method Description.: Semivolatile Organics
Equipment Code....: MSU
Batch.....: 54365
Analyst...: epm

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							

* %=% 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\U050911.b\U0925.D
Lab Smp Id: 54122-3EB1 Client Smp ID: 54122-3EB1
Inj Date : 02-SEP-2005 17:29 MS Autotune Date: 04-FEB-2005 14:15
Operator : e. martin Inst ID: msu.i
Smp Info : 54122-3EB1
Misc Info : :C ;54122;0.500
Comment :
Method : \\target1_ct\files\chem\BNA\msu.i\U050911.b\MSU8270.m
Meth Date : 08-Sep-2005 10:28 kathrinw Quant Type: ISTD
Cal Date : 02-SEP-2005 15:44 Cal File: U0921.D
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: tclp.sub
Target Version: 4.10
Processing Host: CONMSRNT

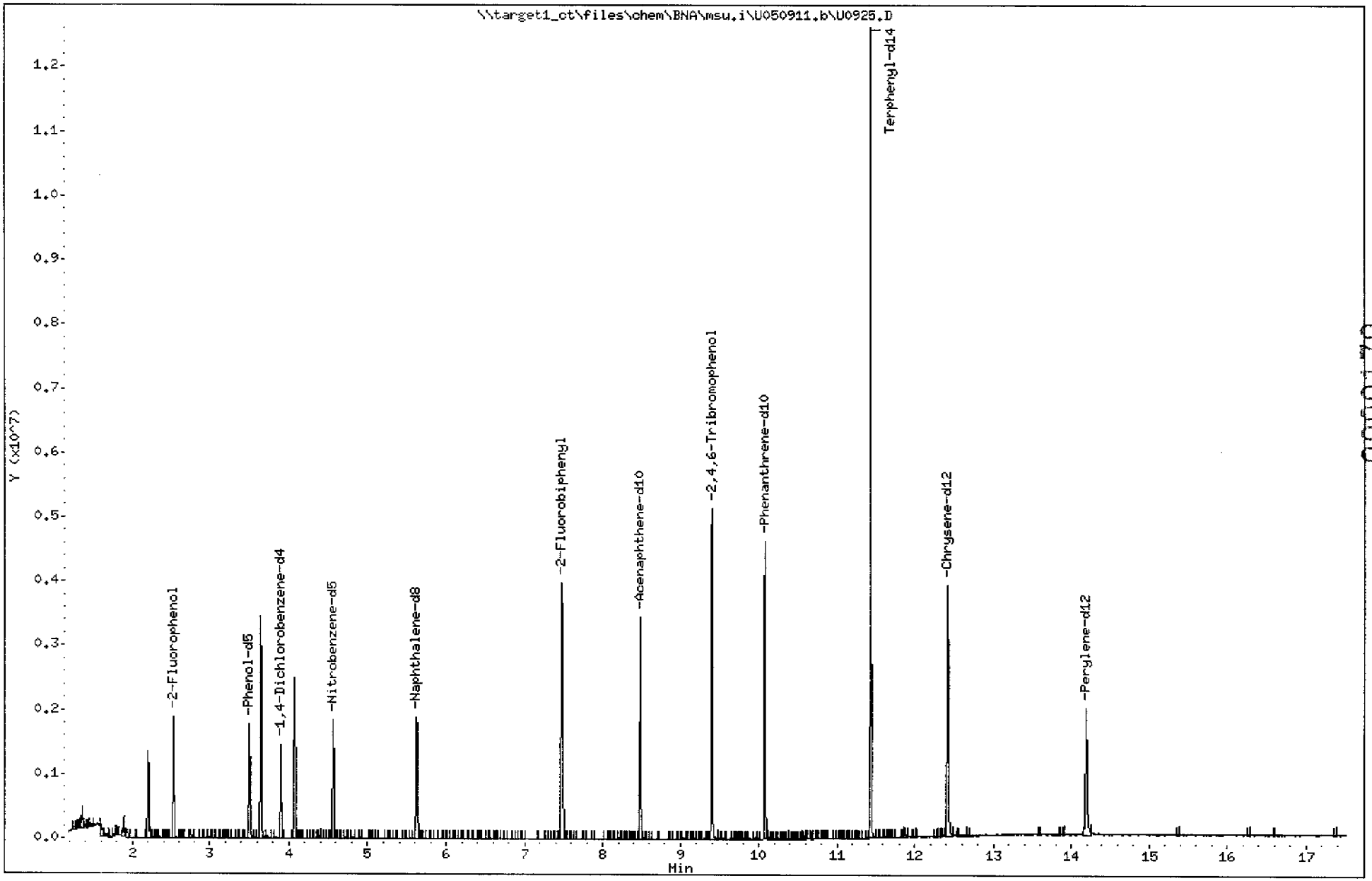
Concentration Formula: Amt * DF * Uf * Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	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	3.898	3.898	(1.000)	272522	20.0000	
$	2	2-Fluorophenol	112	2.520	2.525	(0.646)	620888	44.5809	89
$	3	Phenol-d5	99	3.503	3.498	(0.899)	682977	36.1657	72
*	20	Naphthalene-d8	136	5.624	5.624	(1.000)	1110051	20.0000	
$	21	Nitrobenzene-d5	82	4.555	4.561	(0.810)	745741	42.3771	85
*	35	Acenaphthene-d10	164	8.482	8.482	(1.000)	784505	20.0000	
$	40	2-Fluorobiphenyl	172	7.483	7.483	(0.882)	1913969	43.4784	87
$	56	2,4,6-Tribromophenol	330	9.401	9.401	(1.108)	465097	70.6050	140
*	57	Phenanthrene-d10	188	10.079	10.079	(1.000)	1426939	20.0000	
*	70	Chrysene-d12	240	12.419	12.419	(1.000)	1434448	20.0000	
$	73	Terphenyl-d14	244	11.442	11.442	(0.921)	3304589	50.2125	100
*	79	Perylene-d12	264	14.187	14.188	(1.000)	1108018	20.0000	

Data File: \\target1_ct\files\chem\BNA\msu.i\U050911.b\U0925.D
Date : 02-SEP-2005 17:29
Client ID: 54122-3EB1
Sample Info: 54122-3EB1
Volume Injected (uL): 1.0
Column phase: RTX-5

Instrument: msu.i
Operator: e. martin
Column diameter: 0.25



QUALITY CONTROL RESULTS

Job Number.: 210611 Report Date.: 09/08/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	E05DSPK006	54122 -004		09/02/2005	1755

Test Method.....: 8270C Equipment Code....: MSU Analyst...: epm
Method Description.: Semivolatile Organics Batch.....: 54365

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Pyridine, TCLP	mg/L	0.03226 J		0.08000	0.00462 U	40	%	10-107	
1,4-Dichlorobenzene, TCLP	mg/L	0.06026		0.08000	0.00092 U	75	%	32-104	
2-Methylphenol, TCLP	mg/L	0.06614		0.08000	0.00118 U	83	%	42-117	
Hexachloroethane, TCLP	mg/L	0.05873		0.08000	0.00212 U	73	%	28-105	
4-Methylphenol, TCLP	mg/L	0.14301		0.16000	0.00066 U	89	%	37-117	
Nitrobenzene, TCLP	mg/L	0.08034		0.08000	0.00158 U	100	%	44-120	
Hexachlorobutadiene, TCLP	mg/L	0.07141		0.08000	0.00168 U	89	%	28-110	
2,4,6-Trichlorophenol, TCLP	mg/L	0.07955		0.08000	0.00158 U	99	%	50-121	
2,4,5-Trichlorophenol, TCLP	mg/L	0.08008 J		0.08000	0.00156 U	100	%	50-126	
2,4-Dinitrotoluene, TCLP	mg/L	0.08165		0.08000	0.00160 U	102	%	55-130	
Hexachlorobenzene, TCLP	mg/L	0.07500		0.08000	0.00214 U	94	%	54-129	
Pentachlorophenol, TCLP	mg/L	0.07945 J		0.08000	0.01008 U	99	%	35-154	

 * %=% 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\U050911.b\U0926.D
Lab Smp Id: 54122-4LCS Client Smp ID: 54122-4LCS
Inj Date : 02-SEP-2005 17:55 MS Autotune Date: 04-FEB-2005 14:15
Operator : e. martin Inst ID: msu.i
Smp Info : LCS
Misc Info : :CLCS;54122;0.500;0.400;fms0505_wa.spk
Comment :
Method : \\target1_ct\files\chem\BNA\msu.i\U050911.b\MSU8270.m
Meth Date : 08-Sep-2005 10:28 kathrinw Quant Type: ISTD
Cal Date : 02-SEP-2005 15:44 Cal File: U0921.D
Als bottle: 4 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: lcs.sub
Target Version: 4.10
Processing Host: CONMSRNT

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	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	3.893	3.898	(1.000)	270139	20.0000	
$	2 2-Fluorophenol	112	2.525	2.525	(0.649)	747621	54.1541	110
$	3 Phenol-d5	99	3.498	3.498	(0.898)	755690	40.3691	81
	4 Pyridine	52	1.302	1.281	(0.335)	83146	16.1302	32
	5 N-Nitrosodimethylamine	42	1.259	1.249	(0.324)	79255	34.9047	70
	7 Phenol	94	3.514	3.514	(0.903)	495655	23.1947	46
	8 Aniline	93	3.530	3.530	(0.907)	497094	21.0904	42
	9 bis(2-Chloroethyl)ether	63	3.610	3.605	(0.927)	329777	35.0037	70
	10 2-Chlorophenol	128	3.658	3.663	(0.940)	611389	36.2207	72
	11 1,3-Dichlorobenzene	146	3.829	3.829	(0.984)	611694	29.9267	60
	12 1,4-Dichlorobenzene	146	3.914	3.914	(1.005)	609946	30.1286	60
	13 Benzyl alcohol	108	4.059	4.059	(1.043)	351575	37.5678	75
	14 1,2-Dichlorobenzene	146	4.085	4.085	(1.049)	632881	32.1228	64
	15 2,2'-oxybis(1-Chloropropane)	45	4.219	4.219	(1.084)	561150	33.5986	67
	16 2-Methylphenol	108	4.198	4.203	(1.078)	512815	33.0713	66
	17 Hexachloroethane	117	4.486	4.486	(1.152)	256751	29.3659	59
	18 N-Nitroso-di-n-propylamine	70	4.374	4.374	(1.123)	433442	37.3279	75
	19 4-Methylphenol	108	4.385	4.385	(1.126)	1166031	71.5073	140
*	20 Naphthalene-d8	136	5.624	5.624	(1.000)	1022654	20.0000	
$	21 Nitrobenzene-d5	82	4.556	4.561	(0.810)	813089	50.1528	100

	Compounds	QUANT STC MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
	22 Nitrobenzene	77	4.582	4.588	(0.815)	608634	40.1717	80
	23 Isophorone	82	4.935	4.940	(0.877)	1110840	41.6366	83
	24 2-Nitrophenol	139	5.052	5.058	(0.898)	376616	42.3710	85
	25 2,4-Dimethylphenol	122	5.143	5.143	(0.915)	541593	41.7694	84
	26 Benzoic Acid	122	5.271	5.287	(0.937)	228995	33.7191	67(M)
	27 Bis(2-Chloroethoxy)methane	93	5.287	5.293	(0.940)	702880	41.5065	83
	28 2,4-Dichlorophenol	162	5.426	5.432	(0.965)	612343	40.5492	81
	29 1,2,4-Trichlorobenzene	180	5.544	5.549	(0.986)	633431	36.3054	73
	30 Naphthalene	128	5.656	5.656	(1.006)	1928493	40.6008	81
	31 4-Chloroaniline	127	5.758	5.763	(1.024)	436958	22.2338	44
	32 Hexachlorobutadiene	225	5.859	5.864	(1.042)	418029	35.7031	71
	33 4-Chloro-3-methylphenol	107	6.564	6.570	(1.167)	665066	40.6395	81
	34 2-Methylnaphthalene	142	6.757	6.756	(1.201)	1502479	40.8363	82
*	35 Acenaphthene-d10	164	8.482	8.482	(1.000)	791807	20.0000	
	37 Hexachlorocyclopentadiene	237	7.040	7.045	(0.830)	336146	40.7068	81
	38 2,4,6-Trichlorophenol	196	7.307	7.307	(0.861)	536786	39.7755	80
	39 2,4,5-Trichlorophenol	196	7.382	7.398	(0.870)	601197	40.0420	80
$	40 2-Fluorobiphenyl	172	7.478	7.483	(0.882)	2172714	48.9010	98
	41 2-Chloronaphthalene	162	7.659	7.665	(0.903)	1598147	39.6036	79
	42 2-Nitroaniline	65	7.852	7.857	(0.926)	407029	36.6010	73
	43 Acenaphthylene	152	8.290	8.284	(0.977)	2803522	41.4009	83
	44 Dimethylphthalate	163	8.172	8.172	(0.963)	1806781	38.0246	76
	45 2,6-Dinitrotoluene	165	8.242	8.242	(0.972)	465631	44.7758	90
	46 Acenaphthene	153	8.525	8.525	(1.005)	1745685	40.1705	80
	47 3-Nitroaniline	138	8.455	8.455	(0.997)	411202	34.0614	68
	48 2,4-Dinitrophenol	184	8.594	8.594	(1.013)	217916	43.0188	86
	49 Dibenzofuran	168	8.738	8.749	(1.030)	2332771	35.0090	70
	50 2,4-Dinitrotoluene	165	8.755	8.754	(1.032)	634526	40.8234	82
	51 4-Nitrophenol	109	8.722	8.722	(1.028)	232782	27.2901	55
	52 Fluorene	166	9.139	9.139	(1.077)	2129397	38.3853	77
	53 4-Chlorophenyl-phenylether	204	9.155	9.160	(1.079)	1138729	39.6787	79
	54 Diethylphthalate	149	9.054	9.059	(1.067)	2207045	40.9545	82
	55 4-Nitroaniline	138	9.177	9.182	(1.082)	483807	36.9377	74
$	56 2,4,6-Tribromophenol	330	9.401	9.401	(1.108)	533125	80.1857	160(A)
*	57 Phenanthrene-d10	188	10.079	10.079	(1.000)	1651074	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	9.214	9.214	(0.914)	371844	38.3999	77
	59 N-Nitrosodiphenylamine (1)	169	9.289	9.289	(0.922)	1734743	37.8315	76
	60 1,2-Diphenylhydrazine	77	9.326	9.326	(0.925)	2263437	37.6437	75
	61 4-Bromophenyl-phenylether	248	9.657	9.663	(0.958)	700983	38.0805	76
	62 Hexachlorobenzene	284	9.705	9.705	(0.963)	666589	37.4984	75
	63 Pentachlorophenol	266	9.903	9.903	(0.983)	267613	39.7248	79
	64 Phenanthrene	178	10.101	10.101	(1.002)	3733401	37.5184	75
	65 Carbazole	167	10.298	10.304	(1.022)	3406178	37.2359	74
	66 Anthracene	178	10.149	10.149	(1.007)	3771681	39.0906	78
	67 Di-n-butylphthalate	149	10.592	10.598	(1.051)	4301051	38.8380	78
	68 Fluoranthene	202	11.137	11.137	(1.105)	3924660	36.8738	74
*	70 Chrysene-d12	240	12.414	12.419	(1.000)	1435090	20.0000	
	72 Pyrene	202	11.329	11.329	(0.913)	4163369	40.8521	82
$	73 Terphenyl-d14	244	11.436	11.442	(0.921)	3354075	50.9416	100
	74 Butylbenzylphthalate	149	11.821	11.826	(0.952)	1718927	38.0714	76
	75 3,3'-Dichlorobenzidine	252	12.355	12.360	(0.995)	823426	31.2579	63
	76 Benzo(a)anthracene	228	12.409	12.409	(1.000)	3488464	38.1656	76
	77 Chrysene	228	12.446	12.446	(1.003)	3166640	36.8810	74
	78 Bis(2-Ethylhexyl)phthalate	149	12.355	12.360	(0.995)	2149178	37.5035	75

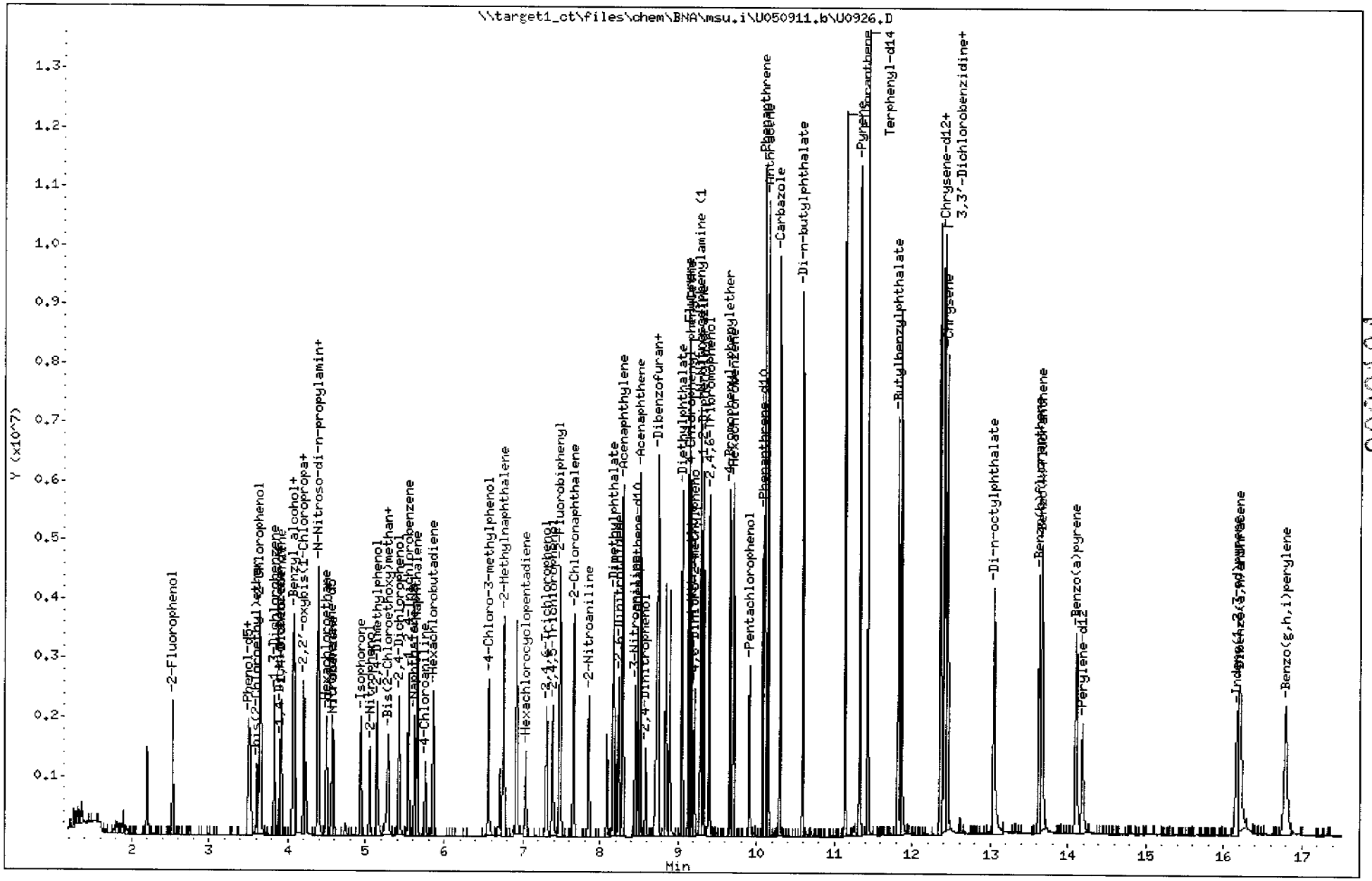
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 79 Perylene-d12	264	14.182	14.188	(1.000)	1058238	20.0000	
80 Di-n-octylphthalate	149	13.044	13.044	(0.920)	2721810	35.8094	72
81 Benzo(b)fluoranthene	252	13.627	13.632	(0.961)	2411612	41.1165	82
82 Benzo(k)fluoranthene	252	13.664	13.675	(0.963)	2692764	41.5942	83
83 Benzo(a)pyrene	252	14.102	14.107	(0.994)	2073628	39.0541	78
84 Indeno(1,2,3-cd)pyrene	276	16.170	16.186	(1.140)	2503121	40.2585	81
85 Dibenzo(a,h)anthracene	278	16.207	16.218	(1.143)	2004469	40.3791	81
86 Benzo(g,h,i)perylene	276	16.789	16.800	(1.184)	2191524	40.7634	82(M)

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\msu.i\U050911.b\U0926.D
Date : 02-SEP-2005 17:55
Client ID: 54122-4LCS
Sample Info: LCS
Volume Injected (uL): 1.0
Column phase: RTX-5

Instrument: msu.i
Operator: e. martin
Column diameter: 0.25



00001184

BNA Water

Organic Sample Preparation Log

Parameter	SW 846 LJ6	Ext. Meth	3510	Na2SO4 Lot #	E04KSLV007	Extraction Date	09/01/05
Corr. MS/MSD				Alumina Lot	—	Concentration Date	09/01/05
Surrogate By	mp			Reagent H2O Lot	090105	Surrogate Code	E05MSUR006
Spike By	mp	MeCl2 Lot #	E05DSLV001	H2SO4 Lot #	E05ARU7002	Spike Code	E05DSPK006
Extracted By	mp / AR	Acetone Lot#	—	NaOH Lot #	E05ARU7001	Witness	
Int. Conc By		1:1 MeCL/Acet lot#	—	Cont.EXT Start time	—		
Final Conc By	mp			Cont. EXT Stop time	—		

Client	STLSample #	Sign Out COC	Init pH/Cl2	Vol/Wt Extracted Gms/(MLs)	Surr. Volume (uls)	Matrix Spike Volume (uls)	C/U	Final Extract Volume (mls)	Bottle letter	Comments
Blank	090105-BO1	NA	7/NC	1000	500	NA	NA	1mL		
	EM1	↓	↓	1000	↓	400	↓	↓		
	TCLP BLK	↓		~~1000~~ 500		NA				
	TCLP BLK EMS	↓		~~100~~ 500		400				
ERS	210555-09	mp		1000		NA				
AKRF	210579-15	↓		1000		↓			251525	GW
~~[illegible]~~ mp	(3MS) 16			1000					254745	MW-27
RWA	210623-01			1000					254906	MW-27D
ERM	210611-01			500					254763	FB-8
AKRF	210446-10 x			1000						
	11 x	↓	↓	1000	↓	↓	↓	↓	252513	MW-16
									252535	MW-15

STL CT Form# SPF00105.CT Reviewed by __________ Date: __________ STL CT Logbook # SP1.90

LABORATORY TEST RESULTS

Job Number: 210611

Date:09/12/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coenen

Customer Sample ID: WC-03
Date Sampled.....: 08/24/2005
Time Sampled.....: 10:15
Sample Matrix.....: Soil

Laboratory Sample ID: 210611-1
Date Received.....: 08/25/2005
Time Received.....: 09:20

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	0.0241	B		0.0195	0.200	1	mg/L	53957		08/29/05 1444	nnp
	Barium, TCLP	0.463			0.0037	0.0250	1	mg/L	53957		08/29/05 1444	nnp
	Cadmium, TCLP	ND	U		0.0055	0.0500	1	mg/L	53957		08/29/05 1444	nnp
	Chromium, TCLP	ND	U		0.0065	0.0500	1	mg/L	53957		08/29/05 1444	nnp
	Lead, TCLP	0.0173	B		0.0150	0.0500	1	mg/L	53957		08/29/05 1444	nnp
	Selenium, TCLP	0.0309	B		0.0250	0.150	1	mg/L	53957		08/29/05 1444	nnp
	Silver, TCLP	ND	U		0.0055	0.0300	1	mg/L	53957		08/29/05 1444	nnp
7470A	Leachable, Mercury (CVAA)											
	Mercury, TCLP	ND	U		0.00090	0.0100	1.0000	mg/L	53978		08/30/05 1549	nnp

* In Description = Dry Wgt.

QUALITY CONTROL RESULTS

Job Number.: 210611 Report Date.: 09/12/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank		53957-009		08/29/2005	1314

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 53957

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.: 210611 Report Date.: 09/12/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank		53957-019		08/29/2005	1426

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 53957

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.: 210611

Report Date.: 09/12/2005

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

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank		53957-031		08/29/2005	1538

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)
Equipment Code....: ICAP1
Batch.....: 53957
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.: 210611 | Report Date.: 09/12/2005

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

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank		53957-041		08/29/2005	1650

Test Method.....: 6010B | Equipment Code....: ICAP1 | Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) | Batch.....: 53957

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.: 210611 Report Date.: 09/12/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank		53957-053		08/29/2005	1804

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 53957

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.: 210611 Report Date.: 09/12/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank		53957-065		08/29/2005	1916

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 53957

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.: 210611 Report Date.: 09/12/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank		53957-076		08/29/2005	2023

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 53957

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	1.5	B						
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.: 210611 | Report Date.: 09/12/2005

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

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	M05HWRK006	53957-008		08/29/2005	1308

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)
Equipment Code....: ICAP1
Batch.....: 53957
Analyst...: nnp

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	ug/L	536.72		500.00		107	%	90-110	
Barium	ug/L	519.79		500.00		104	%	90-110	
Cadmium	ug/L	518.87		500.00		104	%	90-110	
Chromium	ug/L	523.00		500.00		105	%	90-110	
Lead	ug/L	530.35		500.00		106	%	90-110	
Selenium	ug/L	523.23		500.00		105	%	90-110	
Silver	ug/L	51.32		50.00		103	%	90-110	

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

QUALITY CONTROL RESULTS

Job Number.: 210611

Report Date.: 09/12/2005

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

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	M05HWRK006	53957-018		08/29/2005	1420

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)
Equipment Code....: ICAP1
Batch.....: 53957
Analyst...: nnp

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	ug/L	526.05		500.00		105	%	90-110	
Barium	ug/L	511.59		500.00		102	%	90-110	
Cadmium	ug/L	500.87		500.00		100	%	90-110	
Chromium	ug/L	506.42		500.00		101	%	90-110	
Lead	ug/L	512.22		500.00		102	%	90-110	
Selenium	ug/L	513.17		500.00		103	%	90-110	
Silver	ug/L	49.78		50.00		100	%	90-110	

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

QUALITY CONTROL RESULTS

Job Number.: 210611 Report Date.: 09/12/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

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

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 53957

CCV	Continuing Calibration Verification	M05HWRK006	53957-030		08/29/2005	1532

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	ug/L	525.65		500.00		105	%	90-110	
Barium	ug/L	512.97		500.00		103	%	90-110	
Cadmium	ug/L	495.88		500.00		99	%	90-110	
Chromium	ug/L	502.74		500.00		101	%	90-110	
Lead	ug/L	511.99		500.00		102	%	90-110	
Selenium	ug/L	517.55		500.00		104	%	90-110	
Silver	ug/L	48.44		50.00		97	%	90-110	

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

QUALITY CONTROL RESULTS

Job Number.: 210611

Report Date.: 09/12/2005

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

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	M05HWRK006	53957-040		08/29/2005	1644

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)
Equipment Code....: ICAP1
Batch.....: 53957
Analyst...: nnp

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	ug/L	527.57		500.00		106	%	90-110	
Barium	ug/L	513.53		500.00		103	%	90-110	
Cadmium	ug/L	503.17		500.00		101	%	90-110	
Chromium	ug/L	511.30		500.00		102	%	90-110	
Lead	ug/L	517.00		500.00		103	%	90-110	
Selenium	ug/L	518.40		500.00		104	%	90-110	
Silver	ug/L	50.17		50.00		100	%	90-110	

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

QUALITY CONTROL RESULTS

Job Number.: 210611 Report Date.: 09/12/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	M05HWRK006	53957-052		08/29/2005	1758

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 53957

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	ug/L	526.93		500.00		105	%	90-110	
Barium	ug/L	511.37		500.00		102	%	90-110	
Cadmium	ug/L	499.60		500.00		100	%	90-110	
Chromium	ug/L	509.30		500.00		102	%	90-110	
Lead	ug/L	515.27		500.00		103	%	90-110	
Selenium	ug/L	508.79		500.00		102	%	90-110	
Silver	ug/L	48.49		50.00		97	%	90-110	

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

QUALITY CONTROL RESULTS

Job Number.: 210611 Report Date.: 09/12/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	M05HWRK006	53957-064		08/29/2005	1910

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 53957

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	ug/L	526.91		500.00		105	%	90-110	
Barium	ug/L	515.32		500.00		103	%	90-110	
Cadmium	ug/L	502.83		500.00		101	%	90-110	
Chromium	ug/L	511.52		500.00		102	%	90-110	
Lead	ug/L	519.25		500.00		104	%	90-110	
Selenium	ug/L	516.98		500.00		103	%	90-110	
Silver	ug/L	50.47		50.00		101	%	90-110	

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

QUALITY CONTROL RESULTS

Job Number.: 210611 Report Date.: 09/12/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	M05HWRK006	53957-075		08/29/2005	2017

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 53957

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	ug/L	522.78		500.00		105	%	90-110	
Barium	ug/L	513.70		500.00		103	%	90-110	
Cadmium	ug/L	500.26		500.00		100	%	90-110	
Chromium	ug/L	509.07		500.00		102	%	90-110	
Lead	ug/L	518.35		500.00		104	%	90-110	
Selenium	ug/L	516.42		500.00		103	%	90-110	
Silver	ug/L	50.14		50.00		100	%	90-110	

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

QUALITY CONTROL RESULTS

Job Number.: 210611

Report Date.: 09/12/2005

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

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CRI	Contract Required Detection Limits	M05HWRK007	53957-005		08/29/2005	1250

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)
Equipment Code....: ICAP1
Batch.....: 53957
Analyst...: nnp

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	ug/L	14.80	B	15.00		99		50-150	
Barium	ug/L	208.66		200.00		104		50-150	
Cadmium	ug/L	5.27	B	5.00		105		50-150	
Chromium	ug/L	10.81		10.00		108		50-150	
Lead	ug/L	10.95		10.00		110		50-150	
Selenium	ug/L	40.90		35.00		117		50-150	
Silver	ug/L	10.24		10.00		102		50-150	

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

QUALITY CONTROL RESULTS

Job Number.: 210611 Report Date.: 09/12/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
ICB	Initial Calibration Blank		53957-004		08/29/2005	1244

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 53957

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.: 210611

Report Date.: 09/12/2005

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

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
ICV	Initial Calibration Verification	M05HWRK005	53957-003		08/29/2005	1238

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICAP1
Batch.....: 53957

Analyst...: nnp

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	ug/L	1069.28		1000.00		107		90-110	
Barium	ug/L	1020.29		1000.00		102		90-110	
Cadmium	ug/L	1021.07		1000.00		102		90-110	
Chromium	ug/L	1026.32		1000.00		103		90-110	
Lead	ug/L	1047.12		1000.00		105		90-110	
Selenium	ug/L	1038.19		1000.00		104		90-110	
Silver	ug/L	100.17		100.00		100		90-110	

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

QUALITY CONTROL RESULTS

Job Number.: 210611 Report Date.: 09/12/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
ISB	Interference Check Sample B	M05HWRK009	53957-007		08/29/2005	1302

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 53957

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	ug/L	102.677		100.000		103		80-120	
Barium	ug/L	469.901		500.000		94		80-120	
Cadmium	ug/L	900.153		1000.000		90		80-120	
Chromium	ug/L	460.403		500.000		92		80-120	
Lead	ug/L	56.990		50.000		114		80-120	
Selenium	ug/L	49.419		50.000		99		80-120	
Silver	ug/L	199.988		200.000		100		80-120	

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

QUALITY CONTROL RESULTS

Job Number.: 210611

Report Date.: 09/12/2005

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

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	M05HLCSQ01	53875 -002		08/29/2005	1626

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICAP1
Batch.....: 53957

Analyst...: nnp

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	ug/L	1040.18		1000.00		104	%	80-120	
Barium	ug/L	304.67		300.00		102	%	80-120	
Cadmium	ug/L	303.98		300.00		101	%	80-120	
Chromium	ug/L	307.45		300.00		102	%	80-120	
Lead	ug/L	1011.01		1000.00		101	%	80-120	
Selenium	ug/L	553.06		500.00		111	%	80-120	
Silver	ug/L	288.77		300.00		96	%	80-120	

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

QUALITY CONTROL RESULTS

Job Number.: 210611 Report Date.: 09/12/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		53875 -001		08/29/2005	1620

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 53957

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	-3.2	B							
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.: 210611

Report Date.: 09/12/2005

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

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		210605-1		08/29/2005	1846

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICAP1
Batch.....: 53957

Analyst...: nnp

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	1.8143		3.9000	
Barium	ug/L	22.12				21.48		3.0		20.0	
Cadmium	ug/L	1.10	U			1.10	U	0.0100		1.1000	
Chromium	ug/L	1.30	U			1.30	U	1.0410		1.3000	
Lead	ug/L	3.00	U			3.00	U	0.2784		3.0000	
Selenium	ug/L	5.00	U			5.00	U	3.6342		5.0000	
Silver	ug/L	1.10	U			1.10	U	0.3759		1.1000	

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

QUALITY CONTROL RESULTS

Job Number.: 210611 Report Date.: 09/12/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN: Andy Coenen

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	M05HWRK020	210605-1		08/29/2005	1852

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 53957

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Arsenic	ug/L	88.81		80.00	3.90	U	111		75-125	
Barium	ug/L	1935.11		2000.00	21.48		96		75-125	
Cadmium	ug/L	107.51		100.00	1.10	U	108		75-125	
Chromium	ug/L	193.40		200.00	1.30	U	97		75-125	
Lead	ug/L	41.01		40.00	3.00	U	103		75-125	
Selenium	ug/L	122.32		100.00	5.00	U	122		75-125	
Silver	ug/L	42.68		50.00	1.10	U	85		75-125	

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

QUALITY CONTROL RESULTS

Job Number.: 210611 Report Date.: 09/12/2005

CUSTOMER: ERM PROJECT: RAECO PRODUCTS ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
SD	Serial Dilution		210611-1		08/29/2005	1450

Test Method.....: 6010B Equipment Code....: ICAP1 Analyst...: nnp
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 53957

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic, TCLP	mg/L	0.01950 U			0.02409 B				
Barium, TCLP	mg/L	0.09514			0.46280	2.8		10.0	
Cadmium, TCLP	mg/L	0.00550 U			0.00550 U				
Chromium, TCLP	mg/L	0.00650 U			0.00650 U				
Lead, TCLP	mg/L	0.01500 U			0.01732 B				
Selenium, TCLP	mg/L	0.02500 U			0.03086 B				
Silver, TCLP	mg/L	0.00550 U			0.00550 U				

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

QUALITY CONTROL RESULTS

Job Number.: 210611

Report Date.: 09/12/2005

CUSTOMER: ERM

PROJECT: RAECO PRODUCTS

ATTN: Andy Coeneh

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

Batch.....: 53978
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	53978-001	M05HWRK001	ug/L	547.07			500.00			109			80-120	08/30/2005	1429
ICB	53978-002		ug/L	0.2	U									08/30/2005	1430
MB	53907 -001		ug/L	0.2	U									08/30/2005	1431
LCS	53907 -002	M04JSTK001	ug/L	9527.21			10000.00			95		%	80-120	08/30/2005	1432
MD	210579-1		ug/L	0.18	U			0.18	U	0.1440			0.1800	08/30/2005	1435
MS	210579-1	M04AWRK010	ug/L	1.93			2.00	0.18	U	97			75-125	08/30/2005	1436
CCV	53978-013	M05HWRK001	ug/L	477.84			500.00			96		%	80-120	08/30/2005	1441
CCB	53978-014		ug/L	0.2	U									08/30/2005	1443
CCV	53978-025	M05HWRK001	ug/L	488.50			500.00			98		%	80-120	08/30/2005	1453
CCB	53978-026		ug/L	0.2	U									08/30/2005	1454
CCV	53978-036	M05HWRK001	ug/L	540.92			500.00			108		%	80-120	08/30/2005	1504
CCB	53978-037		ug/L	0.2	U									08/30/2005	1506
CCV	53978-045	M05HWRK001	ug/L	542.03			500.00			108		%	80-120	08/30/2005	1518
CCB	53978-046		ug/L	0.2	U									08/30/2005	1519
CCV	53978-055	M05HWRK001	ug/L	484.58			500.00			97		%	80-120	08/30/2005	1530
CCB	53978-056		ug/L	0.2	U									08/30/2005	1531
CCV	53978-065	M05HWRK001	ug/L	483.66			500.00			97		%	80-120	08/30/2005	1542
CCB	53978-066		ug/L	0.2	U									08/30/2005	1543
CCV	53978-073	M05HWRK001	ug/L	481.57			500.00			96		%	80-120	08/30/2005	1552
CCB	53978-074		ug/L	0.2	U									08/30/2005	1554

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

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IO

METHOD DETECTION LIMITS

Contract: _____

Lab Name: STL

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
	308.20		500.0	51.0	P
Aluminum	206.83		10.0	3.4	P
Antimony	189.00		40.0	3.9	P
Arsenic	493.40		5.0	0.74	P
Barium	313.00		5.0	0.34	P
Beryllium	226.50		10.0	1.1	P
Cadmium	317.93		300.0	56.0	P
Calcium	267.70		10.0	3.3	P
Chromium	228.61		10.0	1.8	P
Cobalt	324.75		10.0	4.3	P
Copper	271.44		100.0	54.0	P
Iron	220.35		10.0	3.0	P
Lead	279.07		100.0	26.0	P
Magnesium	257.61		15.0	6.9	P
Manganese	293.70		0.5	0.07	CV
Mercury	231.60		10.0	1.9	P
Nickel	766.49		400.0	191	P
Potassium	196.02		30.0	5.0	P
Selenium	328.06		6.0	1.1	P
Silver	588.90		400.0	98.0	P
Sodium	190.80		40.0	10.0	P
Thallium	292.40		6.0	1.5	P
Vanadium	213.85		50.0	11.0	P
Zinc	249.60		60.0	27.0	P
Boron					

Comments:

FORM X – IN

U.S. EPA-CLP

1.1A

ICP Interelement Correction Factors (Annually)

Lab Name: STL Contract:

Lab Code: STL Case No: SAS No: SDG No.:

ICP ID: ICAP Data: 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			.0075		
Cobalt	228.61			.08		
Copper	324.75					-.0001551
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		-.0004 08
Zinc	213.81					

Comments:

FORM XI (Part 1) - IN

000212

U.S. EPA - CLP

IIB

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	-.000142				
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					.000057
Nickel	231.60					
Potassium	766.49					
Selenium	196.02					
Silver	328.06					
Sodium	588.90					
Thallium	190.80					
Vanadium	292.40				.002003	
Zinc	213.85					

Comments:

U.S. EPA-CLP

IIB

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:				
		Ca	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	588.98					
Thallium	190.80					
Vanadium	292.40		-.000217	-.000098		-.000166
Zinc	213.85					

Comments:

U.S. EPA-CLP

IIB

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	-.00007
Potassium	766.49					
Selenium	196.02					
Silver	328.06					
Sodium	588.90					
Thallium	190.80			.0002		
Vanadium	292.40				.000035	-.00215
Zinc	213.85					

Comments:

FORM XI (Part 1) – IN

U.S. EPA-CLP

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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	.000031
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

1 1B

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:

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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	1500.0	P
Sodium	250000.0	P
Thallium	15000.0	P
Vanadium	15000.0	P
Zinc	15000.0	P

Comments:

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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: 08/29/2005 End Date: 08/29/2005

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	1226																							
STD	1.00	1232																							
ICV	1.00	1238			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB	1.00	1244			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI	1.00	1250			X	X	X		X	X		X	X	X	X	X	X	X	X	X		X	X	X	X
ICSA	1.00	1256				X						X					X		X						
ICSAB	1.00	1302			X	X	X		X	X		X	X	X	X	X	X		X	X			X	X	X
CCV	1.00	1308			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB	1.00	1314			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1332																							
ZZZZZZ	1.00	1338																							
ZZZZZZ	1.00	1344																							
ZZZZZZ	1.00	1350																							
ZZZZZZ	1.00	1356																							
ZZZZZZ	1.00	1402																							
ZZZZZZ	1.00	1408																							
ZZZZZZ	1.00	1414																							
CCV	1.00	1420			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB	1.00	1426			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1432																							
TP-09L	1.00	1438			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
WC-03	1.00	1444			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
WC-03L	1.00	1450			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1456																							
ZZZZZZ	1.00	1502																							
SB-4L	1.00	1508			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1514																							
SB-5L	1.00	1520			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1526																							
CCV	1.00	1532			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: 08/29/2005 End Date: 08/29/2005

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	1538			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1544																							
ZZZZZZ	1.00	1550																							
ZZZZZZ	1.00	1556																							
ZZZZZZ	1.00	1602																							
MB	1.00	1620			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCSW	1.00	1626			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1632																							
ZZZZZZ	1.00	1638																							
CCV	1.00	1644			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB	1.00	1650			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1656																							
ZZZZZZ	5.00	1702																							
ZZZZZZ	5.00	1708																							
ZZZZZZ	5.00	1716																							
ZZZZZZ	1.00	1722																							
ZZZZZZ	1.00	1728																							
ZZZZZZ	1.00	1734																							
ZZZZZZ	1.00	1740																							
ZZZZZZ	1.00	1746																							
ZZZZZZ	1.00	1752																							
CCV	1.00	1758			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB	1.00	1804			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1810																							
ZZZZZZ	1.00	1816																							
ZZZZZZ	1.00	1822																							
ZZZZZZ	1.00	1828																							
ZZZZZZ	1.00	1834																							
ZZZZZZ	1.00	1840																							
DESJARDIND	1.00	1846			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: 08/29/2005 End Date: 08/29/2005

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
DESJARDINS	1.00	1852			X	X	X		X	X		X	X	X	X	X	X	X	X	X		X	X	X	X
ZZZZZZ	1.00	1858																							
ZZZZZZ	1.00	1904																							
CCV	1.00	1910			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB	1.00	1916			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1922																							
ZZZZZZ	1.00	1928																							
ZZZZZZ	1.00	1935																							
ZZZZZZ	5.00	1941																							
ZZZZZZ	5.00	1947																							
ZZZZZZ	5.00	1953																							
ZZZZZZ	5.00	1959																							
ZZZZZZ	5.00	2005																							
ZZZZZZ	1.00	2011																							
CCV	1.00	2017			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB	1.00	2023			X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X

FORM XIV - IN ILMO4.0

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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: 08/29/2005 End Date: 08/29/2005

EPA Sample No.	D/F	Time	% R	Analytes																					
				SE	SI	SN	SR	TI	TL	V	ZN	ZR													
STD	1.00	1226																							
STD	1.00	1232																							
ICV	1.00	1238		X	X	X	X	X	X	X	X	X													
ICB	1.00	1244		X	X	X	X	X	X	X	X	X													
CRI	1.00	1250		X					X	X	X														
ICSA	1.00	1256																							
ICSAB	1.00	1302		X					X	X	X														
CCV	1.00	1308		X	X	X	X	X	X	X	X	X													
CCB	1.00	1314		X	X	X	X	X	X	X	X	X													
ZZZZZZ	1.00	1332																							
ZZZZZZ	1.00	1338																							
ZZZZZZ	1.00	1344																							
ZZZZZZ	1.00	1350																							
ZZZZZZ	1.00	1356																							
ZZZZZZ	1.00	1402																							
ZZZZZZ	1.00	1408																							
ZZZZZZ	1.00	1414																							
CCV	1.00	1420		X	X	X	X	X	X	X	X	X													
CCB	1.00	1426		X	X	X	X	X	X	X	X	X													
ZZZZZZ	1.00	1432																							
TP-09L	1.00	1438		X	X	X	X	X	X	X	X	X													
WC-03	1.00	1444		X	X	X	X	X	X	X	X	X													
WC-03L	1.00	1450		X	X	X	X	X	X	X	X	X													
ZZZZZZ	1.00	1456																							
ZZZZZZ	1.00	1502																							
SB-4L	1.00	1508		X	X	X	X	X	X	X	X	X													
ZZZZZZ	1.00	1514																							
SB-5L	1.00	1520		X	X	X	X	X	X	X	X	X													
ZZZZZZ	1.00	1526																							
CCV	1.00	1532		X	X	X	X	X	X	X	X	X													

FORM XIV - IN ILMO4.0

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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: 08/29/2005 End Date: 08/29/2005

EPA Sample No.	D/F	Time	% R	Analytes																						
				SE	SI	SN	SR	TI	TL	V	ZN	ZR														
CCB	1.00	1538		X	X	X	X	X	X	X	X	X														
ZZZZZZ	1.00	1544																								
ZZZZZZ	1.00	1550																								
ZZZZZZ	1.00	1556																								
ZZZZZZ	1.00	1602																								
MB	1.00	1620		X	X	X	X	X	X	X	X	X														
LCSW	1.00	1626		X	X			X	X	X	X															
ZZZZZZ	1.00	1632																								
ZZZZZZ	1.00	1638																								
CCV	1.00	1644		X	X	X	X	X	X	X	X	X														
CCB	1.00	1650		X	X	X	X	X	X	X	X	X														
ZZZZZZ	1.00	1656																								
ZZZZZZ	5.00	1702																								
ZZZZZZ	5.00	1708																								
ZZZZZZ	5.00	1716																								
ZZZZZZ	1.00	1722																								
ZZZZZZ	1.00	1728																								
ZZZZZZ	1.00	1734																								
ZZZZZZ	1.00	1740																								
ZZZZZZ	1.00	1746																								
ZZZZZZ	1.00	1752																								
CCV	1.00	1758		X	X	X	X	X	X	X	X	X														
CCB	1.00	1804		X	X	X	X	X	X	X	X	X														
ZZZZZZ	1.00	1810																								
ZZZZZZ	1.00	1816																								
ZZZZZZ	1.00	1822																								
ZZZZZZ	1.00	1828																								
ZZZZZZ	1.00	1834																								
ZZZZZZ	1.00	1840																								
DESJARDIND	1.00	1846		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: 08/29/2005 End Date: 08/29/2005

EPA Sample No.	D/F	Time	% R	Analytes																					
				SE	SI	SN	SR	TI	TL	V	ZN	ZR													
DESJARDINS	1.00	1852		X					X	X	X														
ZZZZZZ	1.00	1858																							
ZZZZZZ	1.00	1904																							
CCV	1.00	1910		X	X	X	X	X	X	X	X	X													
CCB	1.00	1916		X	X	X	X	X	X	X	X	X													
ZZZZZZ	1.00	1922																							
ZZZZZZ	1.00	1928																							
ZZZZZZ	1.00	1935																							
ZZZZZZ	5.00	1941																							
ZZZZZZ	5.00	1947																							
ZZZZZZ	5.00	1953																							
ZZZZZZ	5.00	1959																							
ZZZZZZ	5.00	2005																							
ZZZZZZ	1.00	2011																							
CCV	1.00	2017		X	X	X	X	X	X	X	X	X													
CCB	1.00	2023		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: 08/30/2005 End Date: 08/30/2005

EPA Sample No.	D/F	Time	% R	Analytes
				HG
ICV	1.00	1429		X
ICB	1.00	1430		X
MB	1.00	1431		X
LCSW	1.00	1432		X
ZZZZZZ	1.00	1433		
ZZZZZZ	1.00	1434		
MW-23D	1.00	1435		X
MW-23S	1.00	1436		X
ZZZZZZ	1.00	1438		
ZZZZZZ	1.00	1439		
ZZZZZZ	1.00	1440		
ZZZZZZ	1.00	1440		
CCV	1.00	1441		X
CCB	1.00	1443		X
ZZZZZZ	1.00	1444		
ZZZZZZ	1.00	1445		
ZZZZZZ	1.00	1446		
ZZZZZZ	1.00	1446		
ZZZZZZ	1.00	1447		
ZZZZZZ	1.00	1448		
ZZZZZZ	1.00	1449		
ZZZZZZ	1.00	1450		
ZZZZZZ	1.00	1451		
ZZZZZZ	1.00	1452		
CCV	1.00	1453		X
CCB	1.00	1454		X
ZZZZZZ	1.00	1455		
ZZZZZZ	1.00	1456		
ZZZZZZ	1.00	1457		
ZZZZZZ	1.00	1458		

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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: 08/30/2005 End Date: 08/30/2005

EPA Sample No.	D/F	Time	% R	Analytes: HG
ZZZZZZ	1.00	1459		
ZZZZZZ	1.00	1500		
ZZZZZZ	1.00	1501		
ZZZZZZ	1.00	1501		
ZZZZZZ	1.00	1502		
CCV	1.00	1504		X
CCB	1.00	1506		X
ZZZZZZ	1.00	1508		
ZZZZZZ	1.00	1512		
ZZZZZZ	1.00	1512		
ZZZZZZ	1.00	1513		
ZZZZZZ	1.00	1514		
ZZZZZZ	1.00	1516		
ZZZZZZ	1.00	1517		
CCV	1.00	1518		X
CCB	1.00	1519		X
ZZZZZZ	1.00	1520		
ZZZZZZ	1.00	1521		
ZZZZZZ	1.00	1522		
ZZZZZZ	1.00	1523		
ZZZZZZ	1.00	1524		
ZZZZZZ	1.00	1525		
ZZZZZZ	1.00	1526		
ZZZZZZ	1.00	1529		
CCV	1.00	1530		X
CCB	1.00	1531		X
ZZZZZZ	1.00	1532		
ZZZZZZ	1.00	1533		
ZZZZZZ	1.00	1534		
ZZZZZZ	1.00	1535		

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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: 08/30/2005 End Date: 08/30/2005

EPA Sample No.	D/F	Time	% R	Analytes: HG
ZZZZZZ	1.00	1538		
ZZZZZZ	1.00	1539		
ZZZZZZ	1.00	1540		
ZZZZZZ	1.00	1541		
CCV	1.00	1542		X
CCB	1.00	1543		X
ZZZZZZ	1.00	1544		
ZZZZZZ	1.00	1545		
ZZZZZZ	1.00	1546		
ZZZZZZ	1.00	1547		
ZZZZZZ	1.00	1548		
WC-03	1.00	1549		X
CCV	1.00	1552		X
CCB	1.00	1554		X

Table Name: D082905 Autosampler Type: TYPE TJA
Sample Positions: 131/192 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	35	1
4	Sample (16mm)	Samples	48	1
5	Sample (16mm)	Samples	47	1

--- Sample Sets ---

Set#	Type	Prepare?	Description	Method	#Pos	Rack#	StartPos
1	Normal	No		STL3	61	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	ICVM05HWRK005	-NA-	1	QC Standard
4	1	4	ICB	-NA-	1	QC Standard
5	1	5	CRIM05HWRK007	-NA-	1	QC Standard
6	1	6	ISAM05HWRK008	-NA-	1	QC Standard
7	1	7	ISBM05HWRK009	-NA-	1	QC Standard
8	1	8	CCVM05HWRK006	-NA-	2	QC Standard
9	1	9	CCB	-NA-	2	QC Standard
10	1	10	CCV2	-NA-	1	QC Standard
11	1	11	CCB2	-NA-	1	QC Standard
12	1	12	CCV3	-NA-	1	QC Standard
13	1	13	CCB3	-NA-	1	QC Standard
14	1	14	CCV4	-NA-	1	QC Standard
15	1	15	CCB4	-NA-	1	QC Standard
16	1	16	CCV5	-NA-	1	QC Standard
17	1	17	CCB5	-NA-	1	QC Standard
18	1	18	CCV6	-NA-	1	QC Standard
19	1	19	CCB6	-NA-	1	QC Standard

Rack #2

Pos	Row	Col	Sample Name	Set #	#Used	Type
1	1	1	MB	1	-NA-	Sample
2	1	2	LCSM05HLCS001	1	-NA-	Sample
3	1	3	210580-1 C	1	-NA-	Sample
4	1	4	210580-2 C	1	-NA-	Sample
5	1	5	210580-3 C	1	-NA-	Sample
6	1	6	210580-4 C	1	-NA-	Sample
7	1	7	210580-5 C	1	-NA-	Sample
8	1	8	210580-6 C	1	-NA-	Sample
9	1	9	210580-7 C	1	-NA-	Sample
10	1	10	210580-8 C	1	-NA-	Sample
11	1	11	210580-9 C	1	-NA-	Sample
12	1	12	210580-9 C-SD 5	1	-NA-	Sample
13	2	1	210611-1 C	1	-NA-	Sample
14	2	2	210611-1 C-SD 5	1	-NA-	Sample
15	2	3	210591-2	1	-NA-	Sample
16	2	4	210591-4	1	-NA-	Sample
17	2	5	210591-4 SD 5	1	-NA-	Sample
18	2	6	210607-2	1	-NA-	Sample
19	2	7	210607-2 SD 5	1	-NA-	Sample
20	2	8	210540-9	1	-NA-	Sample
21	2	9	210540-10	1	-NA-	Sample
22	2	10	210540-11	1	-NA-	Sample
23	2	11	210540-12	1	-NA-	Sample
24	2	12	210540-13	1	-NA-	Sample
25	3	1	210540-13 MD	1	-NA-	Sample
26	3	2	210540-13 MS	1	-NA-	Sample
27	3	3	MB	1	-NA-	Sample
28	3	4	LCSM05HLCS001	1	-NA-	Sample
29	3	5	210542-7	1	-NA-	Sample
30	3	6	210542-15	1	-NA-	Sample
31	3	7	210542-19	1	-NA-	Sample
32	3	8	210557-1 5	1	-NA-	Sample
33	3	9	210557-2 5	1	-NA-	Sample
34	3	10	210559-1 5	1	-NA-	Sample
35	3	11	210582-1	1	-NA-	Sample
36	3	12	210582-1 D	1	-NA-	Sample
37	4	1	210582-2	1	-NA-	Sample
38	4	2	210582-2 D	1	-NA-	Sample
39	4	3	210582-3	1	-NA-	Sample
40	4	4	210582-3 D	1	-NA-	Sample
41	4	5	210582-4	1	-NA-	Sample
42	4	6	210582-4 D	1	-NA-	Sample
43	4	7	~~210582-5~~	1	-NA-	Sample
44	4	8	210582-5 D	1	-NA-	Sample
45	4	9	210582-6	1	-NA-	Sample
46	4	10	210582-6 D	1	-NA-	Sample
47	4	11	210605-1	1	-NA-	Sample
48	4	12	210605-1 MD	1	-NA-	Sample

Rack #3

Pos	Row	Col	Sample Name		Set #	#Used	Type
1	1	1	210605-1	MS	1	-NA-	Sample
2	1	2	210605-2		1	-NA-	Sample
3	1	3	210605-3		1	-NA-	Sample
4	1	4	210605-4		1	-NA-	Sample
5	1	5	210605-5		1	-NA-	Sample
6	1	6	210605-6		1	-NA-	Sample
7	1	7	210583-1	5	1	-NA-	Sample
8	1	8	210584-1	5	1	-NA-	Sample
9	1	9	210584-2	5	1	-NA-	Sample
10	1	10	210584-3	5	1	-NA-	Sample
11	1	11	210584-4	5	1	-NA-	Sample
12	1	12	~~(empty)~~ 210605-1 PDS		1	-NA-	-NA-
13	2	1	(empty)		1	-NA-	-NA-
(14...48	Not Used)						

M. 9/29/05

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...47	Not Used)					
(1...47	Not Used)					

Method: STL3 Standard: STD1
Run Time: 08/29/05 12:26:13

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Avge	-.00036	.04207	-.00143	.0560	.00013	.00347	.00231
SDev	.00021	.00094	.00035	.0001	.00012	.00000	.00008
%RSD	60.273	2.2468	24.673	.2381	86.603	.00000	3.3309
#1	-.00060	.04313	-.00139	.0561	.00020	.00347	.00227
#2	-.00027	.04173	-.00180	.0560	.00000	.00347	.00227
#3	-.00020	.04133	-.00110	.0559	.00020	.00347	.00240

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Avge	.00027	-.00044	.00029	.01891	.00104	.18400	.00060
SDev	.00007	.00015	.00032	.00043	.00023	.00081	.00007
%RSD	25.000	34.641	109.06	2.2937	22.416	.43929	11.111
#1	.00033	-.00053	.00053	.01893	.00127	.18307	.00053
#2	.00020	-.00053	-.00007	.01847	.00080	.18447	.00060
#3	.00027	-.00027	.00040	.01933	.00107	.18447	.00067

Elem	Mn2576	Mo2020	Na5889	Ni2316	Sb2068	Tl1908	2203/1
Avge	.00078	.00009	.06538	-.00044	.00120	-.00036	.03169
SDev	.00004	.00023	.00037	.00008	.00061	.00034	.00690
%RSD	4.9487	263.39	.56162	17.321	50.918	94.373	21.764
#1	.00080	-.00013	.06540	-.00040	.00053	-.00040	.03933
#2	.00080	.00007	.06500	-.00040	.00133	-.00067	.02593
#3	.00073	.00033	.06573	-.00053	.00173	.00000	.02980

Elem	2203/2	1960/1	1960/2	V_2924	Zn2138	Si2881	Sn1899
Avge	-.00182	-.01429	.00731	-.00060	-.00013	.01876	-.00156
SDev	.00090	.00124	.00014	.00007	.00012	.00008	.00054
%RSD	49.402	8.6828	1.8982	11.111	86.603	.41044	34.641
#1	-.00273	-.01560	.00727	-.00067	-.00007	.01880	-.00107
#2	-.00093	-.01413	.00747	-.00053	-.00027	.01880	-.00147
#3	-.00180	-.01313	.00720	-.00060	-.00007	.01867	-.00213

Elem	Sr4215	Ti3349	Zr3496
Avge	.0158	.00089	-.0001
SDev	.0000	.00014	.0012
%RSD	.2443	15.612	1868.
#1	.0157	.00093	.0001
#2	.0157	.00073	-.0014
#3	.0158	.00100	.0011

Method: STL3 Standard: STD2
Run Time: 08/29/05 12:32:14

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Avge	.16469	1.9206	.38599	1.602	4.6487	1.7551	8.9799
SDev	.00123	.0087	.00089	.007	.0146	.0052	.0307
%RSD	.74897	.45212	.23132	.4142	.31350	.29849	.34236
#1	.16327	1.9123	.38500	1.595	4.6323	1.7491	8.9445
#2	.16533	1.9200	.38673	1.603	4.6536	1.7587	8.9953
#3	.16547	1.9296	.38625	1.608	4.6601	1.7574	8.9999

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Avge	3.4236	.91760	1.2618	1.9385	.56938	8.1260	6.5068
SDev	.0114	.00287	.0037	.0091	.00170	.0272	.0233
%RSD	.33179	.31241	.28943	.46727	.29905	.33426	.35776
#1	3.4105	.91440	1.2577	1.9283	.56747	8.0999	6.4806
#2	3.4299	.91993	1.2629	1.9414	.57073	8.1239	6.5145
#3	3.4305	.91847	1.2648	1.9457	.56993	8.1541	6.5252

Elem	Mn2576	Mo2020	Na5889	Ni2316	Sb2068	Tl1908	2203/1
Avge	1.0362	.22133	59.784	1.0149	.32182	.05889	2.3680
SDev	.0024	.00098	.192	.0041	.00080	.00038	.0141
%RSD	.23598	.44370	.32041	.40227	.24887	.64373	.59569
#1	1.0335	.22020	59.609	1.0103	.32100	.05920	2.3519
#2	1.0371	.22193	59.754	1.0179	.32260	.05900	2.3739
#3	1.0381	.22187	59.989	1.0165	.32187	.05847	2.3783

Elem	2203/2	1960/1	1960/2	V_2924	Zn2138	Si2881	Sn1899
Avge	.82573	.56558	.60689	.28338	.56031	.12573	.29669
SDev	.00780	.00431	.00706	.00092	.00224	.00023	.00198
%RSD	.94454	.76157	1.1638	.32456	.39984	.18368	.66746
#1	.81687	.56113	.60533	.28233	.55787	.12547	.29447
#2	.82880	.56973	.61460	.28373	.56080	.12587	.29827
#3	.83153	.56587	.60073	.28407	.56227	.12587	.29733

Elem	Sr4215	Ti3349	Zr3496
Avge	10.32	4.4365	8.341
SDev	.03	.0142	.026
%RSD	.3309	.31929	.3113
#1	10.29	4.4201	8.312
#2	10.34	4.4445	8.348
#3	10.35	4.4448	8.363

Method: STL3 Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ag3280	328.068	STD2	STD1	604.546	.214950	08/29/05 12:32:14
Al3082	308.215	STD2	STD1	5862.35	-246.610	08/29/05 12:32:14
As1890	189.042	STD2	STD1	2577.64	3.67416	08/29/05 12:32:14
B_2496	249.678	STD2	STD1	648.856	-36.3360	08/29/05 12:32:14
Ba4934	493.409	STD2	STD1	215.133	-.028684	08/29/05 12:32:14
Be3130	313.042	STD2	STD1	570.637	-1.97821	08/29/05 12:32:14
Ca3179	317.933	STD2	STD1	5569.44	-12.8716	08/29/05 12:32:14
Cd2265	226.502	STD2	STD1	292.692	-.078051	08/29/05 12:32:14
Co2286	228.616	STD2	STD1	1089.38	.484169	08/29/05 12:32:14
Cr2677	267.716	STD2	STD1	792.530	-.228953	08/29/05 12:32:14
Cu3247	324.753	STD2	STD1	520.961	-9.85195	08/29/05 12:32:14
Fe2714	271.441	STD2	STD1	19485.5	-20.3515	08/29/05 12:32:14
K_7664	766.491	STD2	STD1	6295.66	-1158.40	08/29/05 12:32:14
Mg2790	279.078	STD2	STD1	7683.85	-4.61031	08/29/05 12:32:14
Mn2576	257.610	STD2	STD1	966.727	-.751899	08/29/05 12:32:14
Mo2020	202.030	STD2	STD1	4519.89	-.401768	08/29/05 12:32:14
Na5889	588.995	STD2	STD1	837.258	-54.7381	08/29/05 12:32:14
Ni2316	231.604	STD2	STD1	983.649	.437178	08/29/05 12:32:14
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	3109.76	-3.73171	08/29/05 12:32:14
Tl1908	190.864	STD2	STD1	16525.4	5.87571	08/29/05 12:32:14
2203/1	220.351	STD2	STD1	429.312	-13.6044	08/29/05 12:32:14
2203/2	220.352	STD2	STD1	1204.40	2.19468	08/29/05 12:32:14
1960/1	196.021	STD2	STD1	1728.21	24.6942	08/29/05 12:32:14
1960/2	196.022	STD2	STD1	1660.33	-12.1389	08/29/05 12:32:14
V_2924	292.402	STD2	STD1	3480.84	2.08851	08/29/05 12:32:14
Zn2138	213.856	STD2	STD1	1798.15	.239754	08/29/05 12:32:14
Si2881	288.158	STD2	STD1	9306.33	-174.545	08/29/05 12:32:14
Sn1899	189.989	STD2	STD1	3350.00	5.21112	08/29/05 12:32:14
Sr4215	421.552	STD2	STD1	97.1546	-1.53072	08/29/05 12:32:14
Ti3349	334.941	STD2	STD1	225.437	-.200388	08/29/05 12:32:14
Zr3496	349.621	STD2	STD1	119.888	.007993	08/29/05 12:32:14

Method: STL3 Sample Name: ICVM05HWRK005 Operator: NP
Run Time: 08/29/05 12:38:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	100.1668	9951.240	1069.276	1008.339	1020.293	1029.250	25678.11
SDev	.4436	42.823	6.134	3.759	2.782	5.064	158.82
%RSD	.4428615	.4303266	.5736759	.3728066	.2726424	.4919775	.6184952
#1	99.95100	9903.740	1066.142	1003.999	1017.157	1023.491	25505.58
#2	100.6770	9963.092	1065.342	1010.424	1022.463	1031.255	25710.54
#3	99.87234	9986.890	1076.344	1010.593	1021.259	1033.005	25818.21

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1021.072	1039.873	1026.316	1026.619	10280.91	48113.96	25409.79
SDev	5.767	5.117	5.468	2.379	44.59	185.93	100.48
%RSD	.5647576	.4920951	.5328269	.2317363	.4337264	.3864396	.3954292
#1	1014.817	1033.965	1020.292	1024.234	10231.23	47900.75	25294.84
#2	1022.221	1042.894	1027.690	1028.992	10294.07	48198.74	25453.69
#3	1026.178	1042.760	1030.967	1026.630	10317.45	48242.39	25480.86

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1019.574	1020.189	48070.71	1038.607	1038.185	1047.118	994.3935
SDev	4.600	4.979	126.43	6.125	10.323	5.743	3.1401
%RSD	.4512161	.4880181	.2629980	.5897258	.9943364	.5484410	.3157776
#1	1014.486	1015.368	47928.23	1031.561	1026.998	1040.517	991.1883
#2	1020.798	1019.888	48114.44	1041.608	1040.214	1049.868	994.5280
#3	1023.439	1025.311	48169.47	1042.653	1047.343	1050.969	997.4641

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1016.111	1044.299	1048.524	1028.373	1043.083	1026.590	1024.900
SDev	10.691	5.073	6.534	9.857	12.356	3.246	4.093
%RSD	1.052170	.4858273	.6231643	.9584861	1.184592	.3161728	.3993442
#1	1008.304	1039.517	1041.016	1023.274	1028.857	1023.054	1020.305
#2	1011.732	1043.759	1052.917	1022.111	1049.251	1027.282	1026.240
#3	1028.296	1049.621	1051.641	1039.735	1051.140	1029.434	1028.155

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	1040.924	1046.428	1004.713	995.0907	1011.158
SDev	4.877	8.382	3.162	3.3497	4.919
%RSD	.4685484	.8010182	.3146983	.3366235	.4864651
#1	1035.305	1037.866	1001.065	991.2435	1005.542
#2	1043.409	1046.802	1006.668	996.6686	1013.230
#3	1044.059	1054.618	1006.406	997.3601	1014.701

Method: STL3 Sample Name: ICB Operator: NP
Run Time: 08/29/05 12:44:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2556711	-1.96276	1.427506	.7353031	.0382444	.0382310	-.247531
SDev	.1207188	1.02865	2.615223	.1884310	.0165441	.0380805	.371296
%RSD	47.21643	52.40840	183.2022	25.62630	43.25874	99.60638	149.9997
#1	.2561904	-1.58212	3.170343	.8213049	.0573478	.0763314	.1237649
#2	.1346935	-1.17868	-1.57963	.8653888	.0286891	.0001703	-.247531
#3	.3761294	-3.12748	2.691804	.5192155	.0286963	.0381913	-.618827

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.052228	-.093258	-.052919	.0808523	.8699954	2.798037	2.559792
SDev	.096453	.359196	.161343	.1388496	4.200944	2.698355	1.537266
%RSD	184.6790	385.1646	304.8866	171.7325	482.8698	96.43742	60.05433
#1	-.098606	-.452053	.0878348	.0806243	5.659518	.8393852	1.022691
#2	.0586545	-.094058	-.017594	.2198158	-.858965	5.875905	4.097223
#3	-.116731	.2663378	-.228997	-.057883	-2.19057	1.678821	2.559462

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.193507	1.807955	4.763067	.3512029	2.806897	.0692939	.4343262
SDev	.074423	1.841131	1.991510	.0771733	2.307499	1.083722	2.932834
%RSD	38.46015	101.8350	41.81151	21.97401	82.20818	1563.951	675.2607
#1	-.236603	3.816794	6.939939	.3058896	5.301395	-1.05270	3.145020
#2	-.107571	1.406187	4.316530	.3074083	.7486861	1.110193	-2.67904
#3	-.236346	.2008839	3.032732	.4403106	2.370609	.1503844	.8369962

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-8.07765	-1.45845	.8312230	1.997047	3.210215	.0986323	-.240893
SDev	4.45748	1.46774	1.181317	1.584151	3.930709	.1545857	.119118
%RSD	55.18290	100.6368	142.1180	79.32471	122.4438	156.7292	49.44850
#1	-4.03138	-2.09719	-.532033	1.651357	7.122679	.2769430	-.360044
#2	-7.34581	.2204275	1.553609	3.725497	-.738488	.0165986	-.121808
#3	-12.8558	-2.49860	1.472093	.6142854	3.246454	.0023555	-.240827

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	-1.45094	3.051566	.0194384	.2505142	.9431198
SDev	.62124	2.387568	.0162890	.1309929	.6179118
%RSD	42.81607	78.24075	83.79796	52.28962	65.51784
#1	-.830080	5.656600	.0366992	.4007762	1.646463
#2	-1.45019	2.530608	.0172794	.1903878	.6953511
#3	-2.07255	.9674914	.0043366	.1603786	.4875450

Method: STL3 Sample Name: CRIM05HWRK007 Operator: NP
Run Time: 08/29/05 12:50:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10.23529	203.9460	14.80285	41.18438	208.6597	5.276435	5316.963
SDev	.06174	.7830	.71931	.17428	.2305	.022010	25.483
%RSD	.6031631	.3839050	4.859293	.4231609	.1104825	.4171362	.4792769
#1	10.16789	203.9461	14.39418	41.02666	208.5641	5.263582	5289.240
#2	10.24892	203.1631	15.63341	41.15500	208.4924	5.263874	5322.285
#3	10.28908	204.7290	14.38098	41.37148	208.9227	5.301849	5339.365

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.268377	52.06707	10.81333	25.47340	90.04439	3899.252	5142.151
SDev	.011186	.52452	.29426	.15917	1.96446	11.335	14.643
%RSD	.2123322	1.007391	2.721300	.6248623	2.181660	.2906901	.2847593
#1	5.275178	51.48489	11.07767	25.43878	88.35317	3887.780	5125.758
#2	5.274487	52.21356	10.86604	25.33439	92.19918	3899.532	5146.762
#3	5.255466	52.50278	10.49627	25.64704	89.58083	3910.445	5153.934

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	15.66211	2.008839	5176.151	42.02237	40.89709	10.95347	58.38552
SDev	.12868	.602652	16.787	.46086	.80404	.71233	1.90334
%RSD	.8215887	30.00000	.3243236	1.096700	1.966015	6.503241	3.259949
#1	15.53358	1.406187	5156.802	41.54091	40.43662	10.85556	58.10833
#2	15.66181	2.611490	5184.822	42.45941	41.82550	10.29516	60.41225
#3	15.79093	2.008839	5186.831	42.06678	40.42914	11.70969	56.63598

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	21.27684	9.934271	11.46151	42.15722	40.26617	52.89455	68.76771
SDev	1.68642	3.017965	.72282	3.44171	1.71663	.26173	2.11402
%RSD	7.926087	30.37933	6.306528	8.163976	4.263217	.4948103	3.074149
#1	19.43695	11.08813	10.73865	44.69305	38.30981	53.19674	71.20779
#2	22.74917	6.509611	12.18430	43.53931	40.96810	52.74695	67.48759
#3	21.64440	12.20507	11.46157	38.23930	41.52061	52.73996	67.60776

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	357.6935	2.527154	-.049400	.3644814	.5301719
SDev	1.4330	3.796634	.003679	.0483444	.1079240
%RSD	.4006102	150.2336	7.446998	13.26390	20.35642
#1	356.0389	2.527096	-.050727	.3292353	.5275077
#2	358.5179	6.323816	-.045242	.4195940	.6394033
#3	358.5239	-1.26945	-.052231	.3446148	.4236046

Method: STL3 Sample Name: ISAM05HWRK008 Operator: NP
Run Time: 08/29/05 12:56:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.276785	424416.6	2.039374	50.14911	.0665841	-.285879	417579.6
SDev	.245869	1911.8	1.169025	.54536	.0101557	.021918	2235.1
%RSD	88.83028	.4504593	57.32275	1.087469	15.25250	7.666992	.5352557
#1	-.222242	422209.6	2.285686	49.52345	.0577967	-.298453	415011.0
#2	-.545346	425474.9	.7668192	50.52380	.0642527	-.298614	418646.4
#3	-.062768	425565.2	3.065618	50.40008	.0777028	-.260570	419081.5

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10.01728	-3.55306	2.125853	-.230541	178436.7	-23.7837	453061.4
SDev	.28133	.65814	.181671	.188248	731.8	6.2863	1791.3
%RSD	2.808491	18.52311	8.545807	81.65506	.4100905	26.43130	.3953778
#1	10.19444	-4.18847	1.954957	-.396154	177599.7	-28.9601	451037.3
#2	9.692886	-3.59636	2.105943	-.025805	178754.9	-25.6024	453704.6
#3	10.16453	-2.87434	2.316660	-.269663	178955.4	-16.7885	454442.2

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.50277	-2.91282	72.86004	-2.55787	-1.54124	9.771881	6.696412
SDev	.12198	2.43559	.58274	.45051	1.84471	1.880885	1.275872
%RSD	8.117300	83.61624	.7998115	17.61258	119.6902	19.24793	19.05306
#1	-1.63558	-5.52431	72.19024	-2.25339	-1.38393	7.851258	8.169618
#2	-1.39572	-.703094	73.25075	-2.34484	.2197798	9.854052	5.949991
#3	-1.47702	-2.51105	73.13912	-3.07538	-3.45957	11.61033	5.969626

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-43.1701	11.40450	8.955998	-5.65419	.5111529	-.142684	.4375063
SDev	12.1814	3.48260	4.354109	3.29119	2.558461	.252059	.0833136
%RSD	28.21730	30.53710	48.61668	58.20798	500.5275	176.6560	19.04284
#1	-47.0116	15.38991	4.086784	-2.09455	-1.03015	-.406527	.4266052
#2	-52.9677	8.947159	10.30602	-6.28134	3.464466	-.117175	.5257340
#3	-29.5310	9.876419	12.47519	-8.58669	-.900860	.0956516	.3601799

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	279.3207	-4.75653	-8.75131	6.111175	.3197016
SDev	2.2019	7.12330	.04804	.055223	.0811154
%RSD	.7883207	149.7584	.5489237	.9036468	25.37223
#1	277.2210	-12.6475	-8.69584	6.094505	.2477688
#2	279.1288	2.82109	-8.77900	6.066207	.3037165
#3	281.6123	1.199040	-8.77910	6.172813	.4076196

Method: STL3 Sample Name: ISBM05HWRK009 Operator: NP
Run Time: 08/29/05 13:02:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	199.9884	423920.7	102.6770	54.25719	469.9008	463.3374	416117.3
SDev	.9268	2388.9	.7834	.20573	1.3421	1.8455	2043.0
%RSD	.4634473	.5635198	.7629641	.3791706	.2856050	.3983051	.4909715
#1	198.9691	421294.7	102.5100	54.02470	468.4630	461.2082	413758.3
#2	200.7806	424502.5	101.9905	54.41568	470.1188	464.4783	417298.2
#3	200.2155	425965.0	103.5304	54.33119	471.1204	464.3256	417295.6

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	900.1531	450.3414	460.4025	519.9564	178089.2	-26.1621	451158.2
SDev	3.4272	1.6712	2.3663	2.4103	745.7	3.5199	1709.9
%RSD	.3807374	.3710970	.5139584	.4635502	.4187162	13.45425	.3789926
#1	896.1967	448.5025	457.8173	517.6263	177237.7	-30.2193	449202.8
#2	902.2103	450.7543	460.9291	519.8035	178404.5	-23.9236	451899.8
#3	902.0522	451.7675	462.4611	522.4395	178625.5	-24.3433	452372.2

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	454.2240	-1.90840	84.33978	889.5046	49.41917	56.99049	585.1987
SDev	1.5311	.60265	.48767	3.2976	3.86805	.51161	16.8361
%RSD	.3370751	31.57895	.5782226	.3707212	7.827013	.8977186	2.876992
#1	452.4590	-1.90840	83.80021	885.8934	44.95317	57.39808	569.7144
#2	455.0195	-1.30575	84.47002	890.2646	51.59824	57.15704	582.7608
#3	455.1936	-2.51105	84.74911	892.3558	51.70610	56.41636	603.1209

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	Q41.66193	58.66695	56.15272	43.47420	52.38613	466.2934	959.5740
SDev	6.66959	2.11236	.29307	1.41936	6.46182	2.5080	4.7672
%RSD	16.00884	3.600594	.5219104	3.264831	12.33498	.5378692	.4968065
#1	Q44.39856	60.45744	55.86990	45.00238	44.92740	463.5087	954.1083
#2	Q34.05931	59.20616	56.13322	42.19719	56.29052	466.9968	961.7396
#3	Q46.52792	56.33725	56.45506	43.22302	55.94047	468.3746	962.8740

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	323.9429	-4.16146	-8.63188	6.151819	.4555748
SDev	2.8405	3.69018	.04552	.096667	.0553740
%RSD	.8768444	88.67528	.5273508	1.571358	12.15475
#1	321.1985	-5.94827	-8.58054	6.057163	.4236046
#2	323.7598	-6.61811	-8.66731	6.147914	.4236046
#3	326.8705	.0820138	-8.64780	6.250379	.5195152

Method: STL3 Sample Name: CCVM05HWRK006 Operator: NP
Run Time: 08/29/05 13:08:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	51.31755	4964.369	536.7208	541.6516	519.7891	524.0032	19387.48
SDev	.77844	6.708	2.7901	1.5997	.6607	1.9708	84.42
%RSD	1.516905	.1351141	.5198454	.2953385	.1271145	.3761039	.4354307
#1	50.63251	4959.569	533.9033	540.1107	519.0768	522.5572	19332.04
#2	52.16406	4972.033	539.4827	543.3043	520.3819	526.2480	19484.64
#3	51.15608	4961.504	536.7763	541.5397	519.9088	523.2044	19345.78

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	518.8655	526.9376	523.0010	520.3483	5181.364	38340.16	19015.22
SDev	2.3993	3.0115	2.6668	.7653	19.635	127.05	29.50
%RSD	.4624141	.5715189	.5099086	.1470824	.3789502	.3313730	.1551464
#1	517.3813	523.6959	521.0101	519.4682	5188.169	38197.04	18983.62
#2	521.6336	529.6484	526.0310	520.7188	5196.691	38439.62	19042.04
#3	517.5817	527.4684	521.9620	520.8578	5159.232	38383.81	19019.99

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	521.1159	520.2893	39697.91	528.3647	523.2321	530.3508	513.4184
SDev	1.4613	1.0438	63.70	2.4789	2.7730	2.6174	8.0333
%RSD	.2804158	.2006268	.1604583	.4691627	.5299800	.4935312	1.564677
#1	519.9988	519.6866	39624.37	526.3264	521.2943	529.4040	521.8664
#2	522.7696	521.4946	39733.88	531.1242	521.9934	533.3099	512.5123
#3	520.5792	519.6866	39735.50	527.6434	526.4086	528.3384	505.8766

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	505.4491	527.5317	531.7573	518.8170	525.4354	521.4266	522.1589
SDev	5.4061	3.2047	5.0619	2.4756	3.0634	2.1025	1.3025
%RSD	1.069561	.6074833	.9519204	.4771540	.5830249	.4032277	.2494378
#1	502.8781	531.0230	528.5950	516.3242	523.7747	519.2540	521.4106
#2	501.8083	524.7238	537.5956	518.8519	523.5608	523.4513	523.6628
#3	511.6609	526.8485	529.0814	521.2750	528.9705	521.5745	521.4032

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	932.1320	519.3274	512.9777	508.9695	505.2618
SDev	5.9379	2.3634	.8596	1.4143	1.7239
%RSD	.6370248	.4550969	.1675795	.2778731	.3411964
#1	925.9124	521.1132	512.1351	507.4718	503.3622
#2	937.7411	520.2217	513.8534	510.2821	506.7271
#3	932.7423	516.6473	512.9443	509.1547	505.6960

Method: STL3 Sample Name: CCB Operator: NP
Run Time: 08/29/05 13:14:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0535541	.0015433	.9533650	.7931569	.0191212	.0127974	1.856481
SDev	.1457779	1.408017	1.967202	.1955439	.0082853	.0221063	.567164
%RSD	272.2068	91232.81	206.3431	24.65387	43.33060	172.7402	30.55049
#1	.0941100	1.561706	-.413678	.7791849	.0143493	.0383235	2.351543
#2	-.108207	-.382392	.0658105	.9953121	.0286882	.0000480	1.980247
#3	.1747597	-1.17468	3.207963	.6049737	.0143260	.0000207	1.237655

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0909535	-.194384	-.000032	.0463268	.4505574	8.953774	3.241809
SDev	.0599796	.045222	.185583	.0001812	3.436882	2.730809	.782214
%RSD	65.94540	23.26427	573257.3	.3911058	762.8068	30.49898	24.12894
#1	.0784146	-.168100	-.176234	.0462089	-2.15149	6.295623	4.095239
#2	.1562114	-.246602	-.017553	.0465354	-.843442	11.75186	2.558966
#3	.0382344	-.168451	.1936893	.0462361	4.346609	8.813836	3.071223

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.322277	-.200884	6.623638	.3061958	3.619267	.4091173	2.274022
SDev	.037158	1.486405	1.427799	.2358515	3.665800	.4143667	.839072
%RSD	11.52972	739.9324	21.55612	77.02636	101.2857	101.2831	36.89816
#1	-.365183	.8035355	8.112095	.5018464	-.482745	.4116618	2.265127
#2	-.300843	-1.90840	6.493400	.0443079	6.574823	.8222058	3.117507
#3	-.300805	.5022097	5.265420	.3724331	4.765721	-.006516	1.439433

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-2.93786	-1.50747	1.365173	4.953972	2.951915	-.079757	-.120871
SDev	4.79859	1.17360	.780392	1.963207	4.544510	.124495	.000991
%RSD	163.3366	77.85260	57.16433	39.62895	153.9513	156.0923	.8196737
#1	2.566981	-2.84281	2.035657	2.688023	-2.06675	-.222569	-.121419
#2	-5.14339	-.639819	1.551323	6.144286	6.788770	-.022580	-.119728
#3	-6.23715	-1.03977	.5085385	6.029607	4.133727	.0058782	-.121467

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	-.412938	-1.04274	.0172163	.0851786	.5195152
SDev	1.999177	1.98518	.0064659	.0914273	.4592061
%RSD	484.1345	190.3811	37.55656	107.3360	88.39128
#1	1.035896	-2.60647	.0172014	.1903880	1.039030
#2	-2.69375	1.190678	.0236897	.0401356	.3516718
#3	.4190409	-1.71243	.0107580	.0250122	.1678433

Method: STL3 Sample Name: MB Operator: NP
Run Time: 08/29/05 13:20:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2020491	13.41075	-1.31447	.9827794	.0717550	.0125314	40.59507
SDev	.0613677	.59938	3.17410	.1326931	.0143348	.0220339	.74259
%RSD	30.37268	4.469363	241.4733	13.50182	19.97741	175.8302	1.829271
#1	.2151729	13.28383	-3.43367	.9539840	.0860956	-.000185	39.85247
#2	.2557932	14.06342	-2.84459	1.127506	.0574260	.0379740	40.59507
#3	.1351811	12.88500	2.334848	.8668484	.0717434	-.000195	41.33766

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.075490	.3179961	-.440328	.2198398	L-14.3166	L-11.1924	.8532652
SDev	.034337	.1123328	.105674	.0694054	3.2739	9.7200	.5912169
%RSD	45.48592	35.32523	23.99895	31.57088	22.86787	86.84531	69.28876
#1	-.095107	.1948263	-.440257	.1504888	L-13.8720	L-19.3068	.5114295
#2	-.035842	.4148028	-.334689	.2892994	L-17.7901	-.419768	.5124227
#3	-.095522	.3443593	-.546037	.2197312	L-11.2878	L-13.8506	1.535943

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.064314	1.406187	30.56922	.4373488	.8018964	-2.09212	-3.86053
SDev	.074423	.903978	2.31580	.3662579	.8111004	.31901	.41744
%RSD	115.7182	64.28572	7.575590	83.74503	101.1478	15.24830	10.81310
#1	-.107363	.5022097	30.15989	.8321276	-.132976	-2.08144	-4.33031
#2	.0216221	1.406187	33.06239	.3713262	1.318265	-2.41634	-3.71911
#3	-.107201	2.310165	28.48537	.1085928	1.220400	-1.77858	-3.53217

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.550966	-8.75859	1.235314	14.01725	-5.79687	.1716613	2.116752
SDev	6.701437	.67218	.700250	2.61262	1.41108	.1343550	.067928
%RSD	262.7020	7.674574	56.68601	18.63864	24.34209	78.26752	3.209088
#1	-5.16054	-8.08180	.9134406	13.05737	-6.71926	.2383020	2.154677
#2	5.851038	-8.76789	.7538732	16.97404	-6.49888	.0170127	2.157251
#3	6.962399	-9.42607	2.038628	12.02034	-4.17247	.2596691	2.038329

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	3.510701	.9677471	.1801375	-.074861	-.191821
SDev	.004611	2.633030	.0074596	.008662	.083445
%RSD	.1313402	272.0783	4.141063	11.57012	43.50128
#1	3.506038	3.201123	.1715239	-.079875	-.231784
#2	3.510806	1.637640	.1844554	-.064860	-.095910
#3	3.515258	-1.93552	.1844331	-.079849	-.247769

Method: STL3 Sample Name: LCSM05HLCS001 Operator: NP
Run Time: 08/29/05 13:26:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	316.2020	6437.656	1131.650	572.2917	330.2681	123.9844	33683.38
SDev	2.9082	44.838	5.793	4.4497	1.9326	1.0858	342.32
%RSD	.9197173	.6964962	.5118855	.7775243	.5851614	.8757278	1.016285
#1	312.9756	6387.280	1126.336	567.3362	328.0461	122.8108	33307.26
#2	317.0086	6452.493	1130.789	573.5940	331.2001	124.1891	33766.18
#3	318.6216	6473.195	1137.825	575.9450	331.5581	124.9531	33976.71

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	334.8480	335.0677	337.3430	330.9190	28261.86	19583.42	16409.81
SDev	2.7992	1.8209	2.9476	2.0673	230.52	118.26	123.36
%RSD	.8359742	.5434290	.8737587	.6246998	.8156406	.6038740	.7517344
#1	331.7124	333.1390	333.9792	328.5350	28009.51	19446.88	16268.93
#2	335.7361	335.3068	338.5760	332.2155	28314.69	19652.95	16462.06
#3	337.0954	336.7571	339.4739	332.0065	28461.37	19650.44	16498.44

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	224.0128	334.7730	32896.09	337.2943	599.4703	1107.165	1109.316
SDev	1.6963	3.8862	193.03	1.7315	7.1463	10.810	7.144
%RSD	.7572412	1.160848	.5867974	.5133540	1.192108	.9763706	.6439633
#1	222.1716	330.4540	32678.42	335.4137	591.9366	1095.008	1101.260
#2	224.3549	335.8778	32963.36	337.6467	600.3211	1110.793	1111.808
#3	225.5121	337.9871	33046.48	338.8225	606.1531	1115.694	1114.880

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1102.508	1104.468	1108.511	604.2893	597.0634	336.6910	341.3105
SDev	14.111	9.545	11.442	5.1486	8.8422	2.2515	2.7255
%RSD	1.279859	.8642002	1.032214	.8520096	1.480944	.6687233	.7985436
#1	1105.429	1093.704	1095.658	598.5267	588.6455	334.0953	338.4776
#2	1087.165	1107.799	1112.287	608.4365	596.2685	337.8625	341.5396
#3	1114.929	1111.901	1117.587	605.9047	606.2762	338.1153	343.9142

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	371.0084	-.072849	-.174972	1120.299	1.001732
SDev	3.1154	3.240809	.003317	7.741	.917101
%RSD	.8397033	4448.667	1.895840	.6909544	91.55157
#1	367.7082	2.215190	-.178801	1111.591	2.046090
#2	371.4188	1.347601	-.173138	1132.909	.6314107
#3	373.8983	-3.78134	-.172976	1126.397	.3276942

Method: STL3 Sample Name: 210580-1 C Operator: NP
Run Time: 08/29/05 13:32:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.055562	210.1301	2.861355	80.89198	169.4963	.1145178	H273699.6
SDev	.163182	1.7568	1.913436	.54262	.1225	.0379119	622.6
%RSD	293.6918	.8360753	66.87170	.6707906	.0722897	33.10570	.2274696
#1	.1192422	210.2614	3.381022	81.45521	169.5107	.0766919	H274073.6
#2	-.082047	211.8176	.7417635	80.84809	169.6111	.1525152	H272980.9
#3	-.203882	208.3112	4.461278	80.37265	169.3673	.1143465	H274044.3

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.486503	2.500957	1.105684	20.32873	L-16.4984	1243.883	6848.846
SDev	.157390	.396597	.105602	.12515	5.2750	4.448	7.934
%RSD	6.329752	15.85781	9.550859	.6156295	31.97246	.3576200	.1158488
#1	2.649906	2.476896	1.210566	20.46763	L-21.2601	1239.825	6845.608
#2	2.335909	2.116938	1.107109	20.29380	L-10.8282	1248.639	6857.887
#3	2.473695	2.909036	.9993761	20.22475	L-17.4070	1243.183	6843.042

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	440.4911	-.301326	8983.032	5.812867	3.081872	58.09452	.3821064
SDev	1.0198	1.516640	43.256	.415983	1.032922	.43859	2.151178
%RSD	.2315253	503.3222	.4815269	7.156247	33.51606	.7549516	562.9788
#1	441.3719	-.100442	8955.887	6.293203	3.195253	58.09294	-.636905
#2	439.3737	1.104861	9032.915	5.572486	4.053425	58.53390	-1.07022
#3	440.7277	-1.90840	8960.296	5.572912	1.996937	57.65673	2.853443

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.7941621	56.21089	59.03413	20.84784	-5.78879	.5152871	626.4987
SDev	3.965737	.85706	.25546	5.30729	1.75847	.2218271	.4981
%RSD	499.3611	1.524718	.4327396	25.45728	30.37712	43.04922	.0795000
#1	4.092842	56.41543	58.92963	25.18253	-7.78291	.2856091	627.0566
#2	-3.60583	56.94717	59.32527	22.43218	-5.12317	.5319258	626.0989
#3	1.895477	55.27007	58.84748	14.92880	-4.46030	.7283263	626.3406

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	2458.100	-8.71673	896.7561	.6727125	.0772612
SDev	1.643	2.90630	.6605	.1037881	.0776278
%RSD	.0668359	33.34167	.0736581	15.42830	100.4745
#1	2456.238	-5.73877	896.5441	.7905738	.0959105
#2	2458.718	-8.86578	897.4966	.6325831	.1438657
#3	2459.344	L-11.5456	896.2277	.5949804	-.007993

Method: STL3 Sample Name: 210580-2 C Operator: NP
Run Time: 08/29/05 13:38:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1812690	10.80812	4.051927	53.75622	126.5559	-.000117	H140749.2
SDev	.1449163	.45233	3.689866	.39866	.5634	.000102	1208.2
%RSD	79.94546	4.185092	91.06448	.7416061	.4451498	86.92568	.8584337
#1	.3421360	10.55396	.4227692	53.29589	125.9392	-.000074	H139391.8
#2	.0609343	10.54002	7.799645	53.98653	126.6850	-.000044	H141148.4
#3	.1407368	11.33036	3.933368	53.98624	127.0435	-.000233	H141707.2

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.333236	1.032728	1.069854	6.541061	L-16.1914	2222.088	1862.443
SDev	.097796	.290631	.138626	.034725	3.7325	19.381	12.438
%RSD	4.191424	28.14207	12.95743	.5308722	23.05244	.8722038	.6678238
#1	2.242813	.7402855	.9668844	6.506439	L-20.5013	2201.802	1848.606
#2	2.319865	1.036387	1.227476	6.540859	L-14.0251	2224.047	1866.031
#3	2.437029	1.321513	1.015203	6.575887	L-14.0477	2240.416	1872.693

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	117.3284	-.301326	H157328.6	3.321261	4.514802	119.7783	-3.04118
SDev	.7327	1.486405	160.8	.329510	1.399147	.8826	1.08940
%RSD	.6244446	493.2882	.1021932	9.921225	30.99022	.7368740	35.82173
#1	116.5124	-1.30575	H157442.8	3.015215	3.530831	119.7799	-1.80926
#2	117.5430	1.406187	H157144.7	3.670061	6.116500	120.6601	-3.43674
#3	117.9297	-1.00442	H157398.1	3.278508	3.897074	118.8949	-3.87754

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.37166	116.5430	121.3927	21.58289	-4.00745	.7076796	239.5569
SDev	3.86918	2.2229	.3389	3.21579	.89445	.2345123	1.4957
%RSD	282.0802	1.907406	.2791421	14.89974	22.31957	33.13821	.6243427
#1	-1.74698	117.1011	121.1165	18.33512	-3.86122	.4637380	237.8806
#2	2.671501	118.4338	121.7708	24.76572	-3.19513	.7278399	240.0352
#3	-5.03950	114.0942	121.2908	21.64784	-4.96600	.9314610	240.7549

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	1155.003	-8.11940	381.5871	.2252641	.0479552
SDev	9.744	2.87171	1.9607	.0819677	.1001462
%RSD	.8436661	35.36850	.5138258	36.38737	208.8328
#1	1144.035	L-10.2038	379.4343	.1508684	-.055948
#2	1158.314	-4.84378	382.0566	.3131341	.1438657
#3	1162.661	-9.31057	383.2704	.2117899	.0559478

Method: STL3 Sample Name: 210580-3 C Operator: NP
Run Time: 08/29/05 13:44:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0187290	16.27445	2.738949	61.05281	170.5913	.0378726	89819.55
SDev	.2519669	1.37310	6.021166	.13248	.6870	.0379861	865.18
%RSD	1345.328	8.437149	219.8349	.2169941	.4027076	100.2997	.9632449
#1	-.263790	17.58142	-3.90950	60.90818	169.8407	.0378274	88860.24
#2	.2201929	14.84362	7.824712	61.16828	170.7443	-.000091	90057.67
#3	.0997842	16.39830	4.301637	61.08198	171.1889	.0758813	90540.73

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.190293	.5428507	1.526239	7.443907	L-15.9215	2244.193	2857.844
SDev	.068115	.1096832	.028639	.000132	2.2427	15.150	15.427
%RSD	1.100352	20.20505	1.876455	.0017784	14.08620	.6750951	.5398031
#1	6.261286	.5163557	1.493175	7.444030	L-13.3318	2226.985	2840.592
#2	6.125476	.6633546	1.543327	7.443924	L-17.2281	2250.069	2862.627
#3	6.184118	.4488419	1.542214	7.443767	L-17.2045	2255.525	2870.312

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	84.16267	1.004419	H153558.2	3.707191	7.461968	135.1377	-1.31176
SDev	.64524	1.217794	366.6	.150685	1.456551	2.1501	4.88263
%RSD	.7666631	121.2436	.2387592	4.064660	19.51966	1.591026	372.2187
#1	83.43260	-.100442	H153311.7	3.533199	6.369809	135.3141	-6.16160
#2	84.39887	.8035355	H153383.4	3.793169	9.115717	132.9049	-1.37670
#3	84.65653	2.310165	H153979.5	3.795206	6.900376	137.1942	3.603009

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.216680	131.1710	137.1173	25.91456	-1.75150	.6537892	978.6841
SDev	7.498159	2.3495	2.8582	3.02680	.98338	.1367490	7.0756
%RSD	143.7343	1.791171	2.084503	11.67992	56.14501	20.91637	.7229724
#1	2.648965	133.6430	136.1475	24.85094	-2.85790	.7178829	971.1309
#2	13.66137	128.9669	134.8701	29.32961	-.977077	.4967652	979.7631
#3	-.660296	130.9031	140.3342	23.56314	-1.41952	.7467194	985.1582

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	1163.337	-7.37576	180.8218	.1420754	-.037299
SDev	8.073	1.89930	.7771	.0144332	.121037
%RSD	.6939656	25.75063	.4297525	10.15882	324.5090
#1	1155.478	-9.53451	179.9568	.1255132	-.175836
#2	1162.922	-6.63137	181.0479	.1487480	.0159851
#3	1171.609	-5.96140	181.4609	.1519650	.0479552

Method: STL3 Sample Name: 210580-4 C Operator: NP
Run Time: 08/29/05 13:50:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2092788	33.57742	10.27523	73.17269	121.9085	.0376702	H148036.2
SDev	.0837698	1.03616	1.54219	.91510	.5731	.0380178	1271.3
%RSD	40.02782	3.085874	15.00879	1.250607	.4701418	100.9228	.8587811
#1	.3031450	34.75232	10.67199	72.13505	121.2918	.0756665	H146597.6
#2	.1825750	32.79420	11.58027	73.51862	122.0089	-.000369	H148502.7
#3	.1421164	33.18574	8.573424	73.86440	122.4249	.0377130	H149008.4

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.780089	1.247406	.1753755	15.50141	93.66006	3631.617	1711.959
SDev	.221502	.333756	.1306823	.10419	2.25932	20.200	8.746
%RSD	3.832161	26.75604	74.51572	.6721009	2.412253	.5562261	.5108803
#1	5.526515	.9563755	.0549501	15.39726	92.38320	3609.092	1702.218
#2	5.877923	1.611712	.1568408	15.50135	92.32827	3637.633	1714.523
#3	5.935830	1.174131	.3143357	15.60563	96.26870	3648.126	1719.137

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	132.8404	.3013258	H154658.1	3.436783	5.370709	18.13743	-3.43021
SDev	1.0011	.4602828	236.6	.229460	1.319159	.98811	1.51148
%RSD	.7536061	152.7525	.1529549	6.676607	24.56210	5.447925	44.06367
#1	131.7234	-.100442	H154394.9	3.196492	5.617399	17.34888	-2.65776
#2	133.1412	.8035355	H154852.9	3.460245	6.549108	19.24586	-5.17181
#3	133.6566	.2008839	H154726.7	3.653610	3.945620	17.81756	-2.46106

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.19336	14.94199	19.73196	25.05065	-4.45551	3.805027	484.7266
SDev	5.65692	.75563	1.37142	.90579	2.32480	.133010	3.1571
%RSD	474.0338	5.057120	6.950259	3.615845	52.17802	3.495648	.6513243
#1	-2.66591	15.27160	18.38516	25.64440	-4.38209	3.722910	481.2119
#2	-5.96838	15.47682	21.12675	24.00808	-2.16829	3.733683	485.6455
#3	5.054219	14.07754	19.68397	25.49946	-6.81614	3.958488	487.3224

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	1628.835	L-11.3196	403.6320	1.486008	-.077261
SDev	10.096	2.0471	1.9471	.109450	.127964
%RSD	.6198121	18.08440	.4823930	7.365395	165.6250
#1	1617.863	-9.53282	401.5248	1.396007	-.207806
#2	1630.910	L-13.5531	404.0066	1.454169	.0479552
#3	1637.732	L-10.8727	405.3646	1.607848	-.071933

Method: STL3 Sample Name: 210580-5 C Operator: NP
Run Time: 08/29/05 13:56:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.016801	10.93018	1.588215	56.26334	147.4477	-.000179	H132667.8
SDev	.185005	1.40970	1.102251	.30599	.4915	.000091	1189.0
%RSD	1101.133	12.89732	69.40185	.5438459	.3333255	50.97669	.8962538
#1	-.057155	12.49347	.8272767	55.93284	146.9075	-.000136	H131334.0
#2	-.178298	10.54140	1.085119	56.53679	147.5672	-.000283	H133052.7
#3	.1850493	9.755663	2.852248	56.32038	147.8684	-.000117	H133616.7

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.236205	.9336815	.7135032	4.028696	-5.42191	2551.841	2415.771
SDev	.123395	.2114246	.0939043	.020172	4.91643	10.856	9.813
%RSD	5.518049	22.64418	13.16102	.5007008	90.67709	.4254170	.4061977
#1	2.165570	.8127195	.8219308	4.040296	L-11.0470	2540.089	2405.345
#2	2.378688	.8105149	.6600658	4.040388	-1.94580	2553.940	2417.140
#3	2.164358	1.177810	.6585129	4.005403	-3.27297	2561.495	2424.827

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	173.4101	1.104861	H150420.6	5.759735	4.840842	86.31079	-3.32739
SDev	1.1236	.903978	197.2	.172120	4.681375	1.81050	3.86145
%RSD	.6479229	81.81818	.1310860	2.988330	96.70579	2.097651	116.0502
#1	172.1212	1.104861	H150223.7	5.564417	.9141632	84.36756	-5.10251
#2	173.9258	.2008839	H150420.0	5.889231	3.586860	86.61472	-5.98208
#3	174.1831	2.008839	H150618.1	5.825555	10.02150	87.95009	1.102410

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.934349	82.26031	88.33219	20.43046	-2.94328	.9605838	163.2091
SDev	6.647890	2.14946	2.25484	2.89468	5.57349	.2212995	1.5451
%RSD	711.4999	2.613004	2.552683	14.16844	189.3635	23.03802	.9467197
#1	-7.18695	81.63918	85.72890	18.02773	-7.63079	.9605794	161.4923
#2	6.048525	80.48980	89.67180	19.61952	-4.41845	1.181885	163.6468
#3	-1.66462	84.65194	89.59589	23.64411	3.219412	.7392865	164.4881

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	1354.374	-7.67271	334.3792	.2844919	-.069269
SDev	6.918	4.27456	1.3696	.0447782	.093322
%RSD	.5108014	55.71125	.4095923	15.73972	134.7252
#1	1346.917	-4.17366	332.8281	.3303895	-.087918
#2	1355.622	L-12.4371	334.8880	.2821621	-.151858
#3	1360.583	-6.40737	335.4216	.2409240	.0319702

Method: STL3 Sample Name: 210580-6 C Operator: NP
Run Time: 08/29/05 14:02:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1021176	21.88252	3.432735	72.38598	200.4805	.0378086	96584.57
SDev	.1754370	1.03694	1.659049	.87799	1.0908	.0000190	887.91
%RSD	171.7989	4.738668	48.33024	1.212924	.5440906	.0502212	.9193112
#1	.3033880	23.05900	1.550115	71.37708	199.2853	.0378303	95566.97
#2	.0213779	21.10152	4.681045	72.97674	200.7339	.0378004	96984.95
#3	-.018413	21.48702	4.067047	72.80411	201.4223	.0377951	97201.79

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.015098	1.357659	-.005466	12.74629	L-19.7765	1690.595	2374.865
SDev	.097291	.112202	.272728	.10603	1.9855	13.870	16.424
%RSD	9.584355	8.264380	4989.682	.8318480	10.03966	.8203935	.6915865
#1	.9177098	1.235615	-.320385	12.72320	L-21.5074	1677.164	2355.902
#2	1.112291	1.381020	.1522433	12.65371	L-17.6091	1689.755	2384.600
#3	1.015294	1.456340	.1517443	12.86197	L-20.2131	1704.865	2384.092

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	138.7376	-.401768	H149196.0	2.835210	6.258940	32.73993	-4.48155
SDev	1.0839	.797233	410.5	.265238	1.324554	1.22808	1.14143
%RSD	.7812862	198.4313	.2751176	9.355134	21.16259	3.751007	25.46946
#1	137.5133	-1.00442	H148729.7	2.878051	4.847016	31.39600	-5.51042
#2	139.1242	-.703094	H149355.7	3.076419	7.474114	33.80376	-3.25372
#3	139.5752	.5022097	H149502.6	2.551159	6.455690	33.02004	-4.68052

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-5.02528	29.50704	34.35315	23.50356	-2.35144	.6333876	146.6324
SDev	5.04472	1.92523	.95639	2.68890	3.22079	.1404179	1.1435
%RSD	100.3869	6.524660	2.783993	11.44041	136.9708	22.16935	.7798155
#1	.4790810	27.68136	33.24973	25.39864	-5.41439	.4714576	145.3139
#2	-9.42843	31.51838	34.94393	20.42607	1.006848	.7071957	147.2306
#3	-6.12648	29.32138	34.86579	24.68598	-2.64679	.7215093	147.3527

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	1275.744	-6.18579	234.9780	.0634976	-.173172
SDev	8.878	2.15395	1.3452	.0493379	.164253
%RSD	.6958921	34.82095	.5724627	77.70042	94.84962
#1	1266.013	-5.29238	233.5015	.0065330	-.255761
#2	1277.819	-8.64268	235.2985	.0912681	.0159851
#3	1283.400	-4.62230	236.1339	.0926918	-.279739

Method: STL3 Sample Name: 210580-7 C Operator: NP
Run Time: 08/29/05 14:08:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0351363	15.23192	2.565518	55.92007	135.4051	.0123120	H132069.5
SDev	.2462815	.67347	2.129588	.89237	.5266	.0219973	1132.4
%RSD	700.9317	4.421438	83.00811	1.595804	.3888777	178.6652	.8574095
#1	-.018336	16.00957	2.937825	54.89720	134.8027	.0377123	H130837.1
#2	-.180016	14.84572	.2743264	56.53939	135.7779	-.000331	H132307.1
#3	.3037609	14.84047	4.484403	56.32362	135.6345	-.000445	H133064.2

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.825712	.9848870	.2228583	3.669923	L-21.3481	2194.807	1915.074
SDev	.184506	.2330497	.1238323	.087453	4.5723	10.369	8.721
%RSD	10.10596	23.66259	55.56549	2.382970	21.41770	.4724257	.4553644
#1	1.969527	.8902471	.2958225	3.588798	L-25.6762	2183.755	1905.163
#2	1.889932	.8140450	.2928731	3.762564	L-16.5656	2204.321	1918.490
#3	1.617679	1.250369	.0798792	3.658408	L-21.8025	2196.346	1921.570

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	144.5892	.5022097	H151580.2	2.099098	3.845270	104.6181	-3.16865
SDev	.9695	.7972331	268.0	.235856	2.084353	1.8647	2.56656
%RSD	.6704939	158.7451	.1767990	11.23605	54.20565	1.782431	80.99862
#1	143.5797	1.406187	H151315.1	1.902596	2.714896	103.8235	-3.84827
#2	144.6751	-.100442	H151574.4	2.360653	2.570288	106.7486	-5.32701
#3	145.5129	.2008839	H151851.0	2.034046	6.250625	103.2823	-.330675

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.318046	101.5223	106.1629	22.61417	-5.52611	.9498430	163.0425
SDev	1.277639	1.3533	2.4892	5.87104	1.84122	.2340543	1.1633
%RSD	55.11704	1.333003	2.344691	25.96177	33.31859	24.64137	.7135233
#1	1.576229	102.4186	104.5241	16.56163	-4.19909	.9605217	161.7657
#2	3.793328	102.1827	109.0273	22.99578	-7.62815	.7106321	163.3195
#3	1.584582	99.96557	104.9374	28.28509	-4.75109	1.178375	164.0424

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	1064.833	-8.49205	293.8859	.0758989	-.042627
SDev	4.138	2.16939	1.3703	.0684320	.030259
%RSD	.3886093	25.54613	.4662713	90.16208	70.98635
#1	1060.275	-6.63071	292.3036	.1224635	-.063940
#2	1068.354	L-10.8746	294.6689	-.002671	-.007993
#3	1065.870	-7.97089	294.6851	.1079044	-.055948

Method: STL3 Sample Name: 210580-8 C Operator: NP
Run Time: 08/29/05 14:14:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2341080	137.8180	2.580030	60.42884	213.9518	.0315944	97859.35
SDev	.1908411	1.1354	1.080101	.13247	.2319	.0221004	303.36
%RSD	81.51843	.8238203	41.86390	.2192221	.1083712	69.95039	.3099922
#1	.0187180	139.1290	1.368939	60.39981	213.7415	.0443976	97528.52
#2	.3014826	137.1615	3.443573	60.31329	213.9136	.0060751	97925.08
#3	.3821233	137.1635	2.927577	60.57343	214.2004	.0443105	98124.46

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.9390972	1.174019	.2590392	19.72651	159.1460	2008.176	3140.890
SDev	.1218113	.208432	.2417437	.16409	.7282	6.507	5.619
%RSD	12.97111	17.75372	93.32323	.8318145	.4575959	.3240096	.1789057
#1	1.075594	1.291878	.0484440	19.66877	159.5719	2001.600	3142.768
#2	.8414475	1.296819	.5230103	19.59910	159.5609	2008.316	3134.573
#3	.9002499	.9333590	.2056633	19.91167	158.3051	2014.611	3145.331

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	76.31272	1.004419	H153853.3	5.724300	7.334256	201.8824	-2.95889
SDev	.09842	1.217794	209.6	.228990	2.323292	1.5959	2.35079
%RSD	.1289699	121.2435	.1362084	4.000313	31.67727	.7905208	79.44848
#1	76.20532	-.401768	H154095.2	5.702719	8.281150	200.2591	-4.21717
#2	76.33423	1.707513	H153736.2	5.506864	4.687049	201.9387	-.246777
#3	76.39861	1.707513	H153728.4	5.963316	9.034569	203.4494	-4.41273

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.312753	198.0970	203.7715	30.14867	-4.05685	.9586118	212.2190
SDev	4.405576	2.5837	1.1725	3.57348	1.93676	.2446325	.4827
%RSD	60.24511	1.304259	.5754167	11.85285	47.74049	25.51945	.2274763
#1	7.313207	195.8547	202.4572	32.91816	-4.01988	.7099095	212.4981
#2	2.906950	197.5140	204.1470	26.11493	-6.01183	1.198960	211.6615
#3	11.71810	200.9224	204.7102	31.41294	-2.13884	.9669655	212.4973

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	903.1892	.9773059	213.3779	7.140752	-.002664
SDev	3.0624	2.707627	.2313	.046245	.111991
%RSD	.3390668	277.0501	.1084025	.6476144	4203.565
#1	901.7377	-1.47919	213.1568	7.148511	-.127881
#2	901.1225	3.880504	213.3586	7.091119	.0319702
#3	906.7075	.5306071	213.6182	7.182626	.0879179

Method: STL3 Sample Name: CCV2 Operator: NP
Run Time: 08/29/05 14:20:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49.78295	4803.382	526.0466	525.1074	511.5911	509.7708	18619.15
SDev	.81564	57.315	6.6742	5.7387	3.9151	5.7401	258.51
%RSD	1.638393	1.193213	1.268748	1.092862	.7652847	1.126023	1.388435
#1	48.85539	4744.051	519.5722	518.5952	507.5469	503.1873	18322.11
#2	50.10532	4807.654	525.6635	527.3020	511.8634	513.7277	18793.29
#3	50.38814	4858.441	532.9041	529.4249	515.3630	512.3973	18742.05

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	500.8722	511.7590	506.4250	508.8414	4978.652	37830.48	18491.05
SDev	6.4045	5.4787	5.9090	5.1235	63.928	411.34	199.92
%RSD	1.278662	1.070562	1.166803	1.006900	1.284033	1.087322	1.081170
#1	493.4900	505.4683	499.6074	503.6665	4905.136	37433.16	18267.83
#2	504.1816	515.4844	510.0713	508.9457	5021.178	37803.76	18551.69
#3	504.9448	514.3242	509.5962	513.9119	5009.642	38254.54	18653.63

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	504.4572	508.3367	37927.06	510.5512	513.1739	512.2239	494.7133
SDev	5.2859	3.9786	496.91	6.1833	6.5998	5.9748	4.4140
%RSD	1.047830	.7826667	1.310173	1.211099	1.286070	1.166445	.8922252
#1	498.3609	504.0176	37421.82	503.4151	506.6154	505.7045	489.8204
#2	507.7640	509.1402	37944.16	514.3201	513.0921	513.5287	498.3958
#3	507.2466	511.8521	38415.19	513.9183	519.8142	517.4384	495.9239

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	498.4749	512.9550	511.8580	508.2065	515.6529	508.2181	506.0981
SDev	14.1725	5.6938	6.1518	4.1396	10.8393	5.6896	6.6493
%RSD	2.843171	1.109992	1.201857	.8145487	2.102052	1.119513	1.313827
#1	502.3780	507.0826	505.0156	507.4896	506.1780	501.6718	498.4354
#2	482.7598	513.3309	513.6267	512.6578	513.3080	511.0109	509.5123
#3	510.2868	518.4515	516.9318	504.4723	527.4727	511.9715	510.3467

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	889.0188	500.9281	501.4199	497.5217	495.4735
SDev	12.9479	11.1842	4.4875	4.8368	5.4923
%RSD	1.456431	2.232703	.8949587	.9721707	1.108504
#1	874.9310	488.0452	496.6466	492.0058	489.2794
#2	891.7268	506.5877	502.0602	499.5210	497.3918
#3	900.3986	508.1513	505.5528	501.0383	499.7495

Method: STL3 Sample Name: CCB2 Operator: NP
Run Time: 08/29/05 14:26:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.053882	-2.21422	-3.42060	-.532573	.0286987	.0001224	-.000000
SDev	.296742	1.19306	3.69327	.125205	.0000067	.0002329	.214368
%RSD	550.7283	53.88154	107.9712	23.50943	.0232682	190.2428	47e6
#1	-.389342	-1.17344	.8383696	-.387999	.0287045	.0003869	.1237649
#2	.1743108	-1.95297	-5.36015	-.604445	.0287001	.0000324	.1237649
#3	.0533859	-3.51625	-5.74003	-.605274	.0286914	-.000052	-.247531

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.019026	-.387745	-.070435	-.115733	-2.99727	-43.5101	1.022363
SDev	.154995	.191477	.211258	.164282	1.96789	11.0435	.512752
%RSD	814.6336	49.38208	299.9323	141.9494	65.65628	25.38152	50.15365
#1	-.077254	-.457714	-.070606	-.301140	-4.72186	-55.4019	.5094448
#2	.1566499	-.534397	-.281607	.0117079	-3.41635	-41.5515	1.534949
#3	-.136475	-.171125	.1409082	-.057766	-.853588	-33.5769	1.022694

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.279261	-.100442	34.10430	.0870531	4.627050	-.235515	.0735037
SDev	.074356	1.043823	2.61647	.0763057	2.902468	.587914	2.064059
%RSD	26.62597	1039.230	7.671969	87.65421	62.72825	249.6292	2808.102
#1	-.365120	1.104861	37.08122	.1751551	4.734128	-.870178	.1936380
#2	-.236390	-.703094	33.06239	.0419642	1.672526	.2904931	-2.04800
#3	-.236273	-.703094	32.16931	.0440398	7.474497	-.126861	2.074872

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.10696	-.494546	-.106993	2.957814	5.459452	-.001194	-.000212
SDev	5.20663	.790480	.791174	4.161303	5.879842	.389578	.000589
%RSD	470.3523	159.8395	739.4611	140.6884	107.7002	32627.67	277.6022
#1	-5.14954	-.579950	-1.01587	6.606416	3.798488	-.451040	.0004082
#2	4.768176	.3351678	.2673897	3.841321	.5887544	.2237308	-.000763
#3	-2.93953	-1.23886	.4275039	-1.57429	11.99111	.2237268	-.000281

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	-2.89801	.5952924	-.060452	.1303139	.5008659
SDev	.95459	2.914903	.006483	.0688939	.1684765
%RSD	32.93953	489.6591	10.72354	52.86769	33.63705
#1	-2.06531	-2.15927	-.060455	.1904171	.6953511
#2	-3.93982	3.647670	-.066932	.1453962	.4076196
#3	-2.68891	.2974791	-.053967	.0551283	.3996270

Method: STL3 Sample Name: 210580-9 C Operator: NP
Run Time: 08/29/05 14:32:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.145828	31.26863	4.909602	81.41270	159.0840	.0003650	34155.55
SDev	.175549	1.03349	2.340007	.17226	.4418	.0000480	245.73
%RSD	120.3815	3.305213	47.66184	.2115850	.2777194	13.15253	.7194390
#1	-.065186	32.05055	3.023124	81.24071	158.5821	.0003096	33879.80
#2	-.347208	31.65842	7.528112	81.41218	159.2561	.0003944	34235.50
#3	-.025089	30.09693	4.177571	81.58523	159.4139	.0003911	34351.34

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3064488	.3931936	-.122692	3.982583	L-15.3459	3137.897	4362.837
SDev	.1221287	.1817240	.132541	.164122	4.1723	16.181	14.457
%RSD	39.85288	46.21743	108.0272	4.121002	27.18815	.5156676	.3313649
#1	.3462526	.2243133	-.245413	3.797345	L-20.1031	3119.290	4346.273
#2	.1693839	.3697765	-.140526	4.109861	L-12.3078	3148.670	4369.326
#3	.4037097	.5854909	.0178627	4.040543	L-13.6269	3145.732	4372.913

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	37.66838	-.803535	H154755.8	.8034403	3.652167	96.63446	-3.74532
SDev	.19653	.460283	81.5	.4010502	.896598	1.28944	.66925
%RSD	.5217299	57.28219	.0526758	49.91662	24.54976	1.334343	17.86890
#1	37.45402	-.703094	H154745.7	.7157132	3.825103	95.28836	-4.24548
#2	37.71105	-.401768	H154841.9	1.241092	4.449700	97.85856	-4.00541
#3	37.84007	-1.30575	H154679.8	.4535155	2.681697	96.75646	-2.98507

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0472756	93.15013	98.37322	24.51008	-6.76215	.1027919	67.42908
SDev	3.538473	.83103	1.98442	3.55995	2.94836	.1288373	.59036
%RSD	7484.773	.8921369	2.017237	14.52445	43.60095	125.3380	.8755217
#1	1.508530	92.75558	96.55206	26.51064	-7.50166	.0266341	66.75110
#2	-3.98779	92.58987	100.4882	20.39988	-3.51443	.0301954	67.70657
#3	2.621092	94.10493	98.07944	26.61971	-9.27036	.2515462	67.82956

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	853.4902	-4.25100	131.9368	.4412803	.3996270
SDev	6.3649	2.79244	.4580	.0993393	.0624237
%RSD	.7457548	65.68911	.3471606	22.51160	15.62050
#1	848.1151	-7.08000	131.4097	.3443102	.3276942
#2	860.5187	-1.49661	132.1633	.4367005	.4395897
#3	851.8367	-4.17639	132.2375	.5428303	.4315972

Method: STL3 Sample Name: 210580-9 C-SD 5 Operator: NP
Run Time: 08/29/05 14:38:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.066433	1.690611	-3.49837	13.92965	32.82938	-.025222	6949.429
SDev	.070152	1.625670	1.73127	.34602	.18810	.021984	70.666
%RSD	105.5977	96.15870	49.48772	2.484065	.5729560	87.16329	1.016856
#1	-.106599	3.514421	-2.58604	13.58338	32.62859	-.037852	6869.105
#2	-.107271	.3938800	-5.49500	13.93014	32.85808	-.037977	6977.153
#3	.0145703	1.163533	-2.41408	14.27542	33.00148	.0001632	7002.029

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0158059	-.006096	.0385425	.7639973	-4.18047	409.0780	881.3094
SDev	.0813679	.044171	.1853895	.1001448	2.24711	8.9067	6.4866
%RSD	514.7941	724.6002	480.9998	13.10800	53.75263	2.177266	.7360207
#1	.0805985	-.029528	.0210318	.7060525	-2.88205	399.1448	873.9667
#2	.0423347	-.033613	-.137470	.7063048	-6.77521	416.3530	883.7001
#3	-.075516	.0448534	.2320661	.8796344	-2.88415	411.7362	886.2614

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.460521	.8035355	51069.66	.2749764	1.484488	19.49086	-.295000
SDev	.037167	1.380848	332.94	.3836950	1.918020	.41796	2.284014
%RSD	.4981757	171.8466	.6519415	139.5374	129.2041	2.144408	774.2407
#1	7.417605	1.104861	50691.85	.4270099	3.664713	19.09860	.8140977
#2	7.482032	-.703094	51196.94	-.161438	.7316654	19.93049	-2.92178
#3	7.481926	2.008839	51320.19	.5593569	.0570857	19.44348	1.222682

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-2.19576	16.85802	20.80451	5.125979	-.334527	-.060773	13.95659
SDev	4.45492	2.03753	.57060	3.977122	1.173846	.131924	.06936
%RSD	202.8875	12.08639	2.742679	77.58756	350.8969	217.0750	.4969568
#1	2.579905	15.89478	20.69731	9.159555	.9204117	-.211982	13.87651
#2	-6.23922	19.19858	20.29510	5.010561	-1.40557	-.001167	13.99773
#3	-2.92796	15.48071	21.42110	1.207822	-.518420	.0308287	13.99552

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	159.2854	-1.19226	26.99265	.1193129	.0133209
SDev	1.6379	.51591	.17059	.0627773	.1292059
%RSD	1.028271	43.27182	.6319827	52.61568	969.9490
#1	158.6640	-.596536	26.80075	.0987382	-.135873
#2	161.1430	-1.49024	27.05011	.0694048	.0879179
#3	158.0491	-1.49001	27.12709	.1897958	.0879179

Method: STL3 Sample Name: 210611-1 C Operator: NP
Run Time: 08/29/05 14:44:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0475382	16.15749	4.818984	38.77697	92.56010	-.000073	98216.05
SDev	.1523585	.22837	2.972599	.35262	.37023	.000181	822.65
%RSD	320.4970	1.413425	61.68518	.9093482	.3999890	248.9878	.8375913
#1	.2218963	16.42116	4.483357	38.37302	92.13461	.0001194	97268.26
#2	-.019330	16.02222	2.028444	38.93469	92.73698	-.000240	98634.99
#3	-.059952	16.02907	7.945152	39.02320	92.80872	-.000097	98744.90

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.7064402	2.152990	-.377550	6.390608	L-34.9392	2272.174	6407.114
SDev	.1018172	.303674	.028672	.106185	4.1437	18.306	36.316
%RSD	14.41272	14.10476	7.594324	1.661585	11.85974	.8056615	.5668089
#1	.5888748	2.056291	-.410657	6.367410	L-33.2228	2254.686	6365.231
#2	.7644920	2.493238	-.360833	6.297939	L-31.9295	2270.635	6426.261
#3	.7659537	1.909441	-.361159	6.506475	L-39.6654	2291.201	6429.850

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	862.4012	-.703094	H151779.8	3.011395	6.172297	3.463849	-4.98106
SDev	5.4553	.602652	250.7	.324553	3.471795	.624856	2.20737
%RSD	.6325667	85.71428	.1651767	10.77750	56.24802	18.03935	44.31521
#1	856.1074	-.703094	H151491.2	2.792236	5.754829	3.677113	-6.36975
#2	865.3224	-.100442	H151903.8	3.384246	2.928112	3.954153	-6.13769
#3	865.7737	-1.30575	H151944.3	2.857704	9.833950	2.760280	-2.43574

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-5.47929	.8520505	4.766990	21.04502	-1.25392	-.033731	399.2551
SDev	5.04334	.9523085	.824927	4.79935	3.12196	.357148	2.5254
%RSD	92.04356	111.7667	17.30499	22.80516	248.9770	1058.809	.6325304
#1	.0252240	1.930852	4.548134	22.59721	-2.65473	-.420865	396.3398
#2	-9.87790	.4971254	5.679276	15.66167	-3.43012	.2829223	400.7708
#3	-6.58521	.1281738	4.073559	24.87618	2.323111	.0367495	400.6548

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	1340.290	-7.52294	182.3900	-.094486	-.034634
SDev	13.135	2.53643	.7793	.019440	.129945
%RSD	.9800209	33.71590	.4272873	20.57427	375.1922
#1	1325.396	-8.63937	181.4922	-.080739	-.175836
#2	1345.252	4.61980	182.7855	-.116727	.0799254
#3	1350.221	-9.30964	182.8923	-.085991	-.007993

Method: STL3 Sample Name: 210611-1 C-SD 5 Operator: NP
Run Time: 08/29/05 14:50:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.124707	.3944958	-.892004	5.668756	19.02741	-.012676	20076.61
SDev	.046616	1.355028	2.727081	.269913	.10175	.021933	206.80
%RSD	37.38066	343.4834	305.7252	4.761423	.5347627	173.0307	1.030031
#1	-.178535	1.175490	-.155608	5.366203	18.91745	-.000093	19842.57
#2	-.097593	-1.17015	-3.91167	5.755230	19.04654	-.038001	20152.60
#3	-.097994	1.178153	1.391262	5.884836	19.11824	.0000673	20234.66

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1550984	.2116525	-.030798	1.123081	L-12.5899	279.5273	1289.010
SDev	.0298161	.1514361	.060740	.183855	.7505	9.2622	11.191
%RSD	19.22399	71.54938	197.2218	16.37056	5.961284	3.313527	.8681823
#1	.1226014	.0423359	-.065497	1.053626	L-13.0149	270.7133	1276.874
#2	.1811937	.3341497	-.066233	.9840726	L-13.0315	278.6879	1291.232
#3	.1615001	.2584720	.0393374	1.331546	L-11.7233	289.1806	1298.923

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	177.6404	-.703094	49413.64	1.101044	.3929747	1.148901	-1.55399
SDev	1.4210	.602652	415.67	.165128	1.879433	.411342	.94981
%RSD	.7999261	85.71428	.8412079	14.99740	478.2579	35.80309	61.12090
#1	176.0725	-.703094	48935.84	1.276178	1.745160	1.157125	-.457341
#2	178.0056	-.100442	49612.96	1.078773	1.186904	.7335085	-2.11523
#3	178.8431	-1.30575	49692.11	.9481822	-1.75314	1.556069	-2.08939

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-2.78930	-.478911	1.960787	6.859219	-2.83630	-.075118	76.67644
SDev	2.91511	.635719	.926138	3.994969	2.28556	.127809	.63434
%RSD	104.5105	132.7428	47.23301	58.24233	80.58258	170.1453	.8272911
#1	-4.99504	-.291317	1.879460	5.672472	-.216552	.0021798	75.95719
#2	.5155905	.0419021	1.077994	11.31310	-3.86960	-.222642	76.91608
#3	-3.88844	-1.18732	2.924907	3.592086	-4.42274	-.004890	77.15604

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	255.2838	-2.38270	37.35277	-.031697	-.133209
SDev	3.1197	2.51688	.23006	.089115	.116465
%RSD	1.222060	105.6313	.6159116	281.1442	87.42997
#1	252.3897	-3.94609	37.09856	-.098383	-.183828
#2	254.8733	-3.72269	37.41310	-.066223	-.215799
#3	258.5885	.5206749	37.54665	.0695146	-.000000

Method: STL3 Sample Name: 210591-2 Operator: NP
Run Time: 08/29/05 14:56:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0133046	7275.321	6.175086	206.2710	280.4972	.3899431	H152937.5
SDev	.2288147	52.602	2.282344	1.4589	1.5410	.0242004	894.3
%RSD	1719.814	.7230197	36.96053	.7072628	.5493906	6.206134	.5847176
#1	-.174644	7215.127	4.499507	204.6457	278.7910	.3620134	H151941.6
#2	.2680977	7298.386	5.251222	206.7003	280.9131	.4031300	H153198.8
#3	-.053540	7312.451	8.774529	207.4671	281.7877	.4046860	H153671.9

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6903129	9.749710	15.04909	38.65134	18130.97	12598.04	33060.89
SDev	.1218470	.642972	.18398	.17371	93.82	93.43	176.10
%RSD	17.65098	6.594778	1.222519	.4494379	.5174801	.7415952	.5326622
#1	.5633202	9.543562	14.85771	38.47773	18030.83	12490.17	32865.81
#2	.7013562	10.47047	15.22464	38.82515	18145.22	12650.50	33108.71
#3	.8062622	9.235095	15.06491	38.65115	18216.85	12653.44	33208.13

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2065.354	.2008838	39657.89	11.87671	8.702154	47.73360	-5.33705
SDev	9.398	2.172891	248.66	.22867	2.544473	.78029	2.86303
%RSD	.4550325	1081.666	.6270096	1.925327	29.23957	1.634667	53.64442
#1	2054.962	2.611490	39375.09	12.01477	11.63096	48.41440	-8.63345
#2	2067.845	-1.60707	39756.31	11.61276	7.035489	47.90430	-3.47149
#3	2073.256	-.401768	39842.27	12.00259	7.440013	46.88209	-3.90621

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-4.67559	45.16775	49.01379	26.94127	-.404729	28.72410	117.1646
SDev	4.84307	3.80258	.73433	5.66308	3.731149	.24179	1.2762
%RSD	103.5821	8.418785	1.498212	21.02009	921.8884	.8417538	1.089258
#1	-8.14085	48.30253	48.46944	29.07112	2.922958	28.44500	115.7046
#2	.8582668	46.26296	48.72293	20.52207	.3013105	28.85720	117.7215
#3	-6.74418	40.93776	49.84900	31.23062	-4.43846	28.87008	118.0678

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	20770.12	L-12.7085	659.6925	566.8990	2.115359
SDev	120.53	1.8544	3.5699	2.6342	.198423
%RSD	.5803173	14.59205	.5411481	.4646751	9.380124
#1	20633.85	L-11.2259	655.7153	564.0142	2.277874
#2	20813.75	L-12.1117	660.7426	567.5061	2.173971
#3	20862.76	L-14.7878	662.6196	569.1767	1.894232

Method: STL3 Sample Name: 210591-4 Operator: NP
Run Time: 08/29/05 15:02:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1953608	357.6923	2.042823	204.1717	100.4092	.0057428	H155108.9
SDev	.1407492	1.6249	5.658397	1.0131	.2009	.0217807	1593.1
%RSD	72.04578	.4542678	276.9890	.4962228	.2000803	379.2677	1.027101
#1	.0328390	359.5121	.4748384	203.1668	100.2037	-.006757	H153322.5
#2	.2760487	357.1778	-2.66623	204.1552	100.4188	.0308929	H155621.9
#3	.2771949	356.3869	8.319859	205.1929	100.6052	-.006907	H156382.3

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2189419	37.26075	.7004690	3.028184	1310.288	22775.46	42001.11
SDev	.1227920	.69832	.3423700	.060212	17.689	53.04	186.96
%RSD	56.08429	1.874133	48.87725	1.988382	1.349983	.2328822	.4451340
#1	.2608579	36.46439	.3884460	2.993386	1289.878	22809.18	41796.64
#2	.0806802	37.54936	.6462463	3.097711	1319.816	22714.32	42043.35
#3	.3152877	37.76849	1.066715	2.993456	1321.170	22802.88	42163.34

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3970.957	9.039775	98544.14	16.36529	5.726162	2.705685	-1.87260
SDev	28.938	1.058221	134.00	.81788	2.384508	.894831	.63225
%RSD	.7287405	11.70628	.1359794	4.997634	41.64234	33.07224	33.76300
#1	3938.737	10.14463	98412.04	15.53725	8.209104	2.141015	-1.73670
#2	3979.398	8.035356	98540.41	17.17261	3.454094	2.238632	-2.56174
#3	3994.735	8.939333	98679.96	16.38602	5.515287	3.737408	-1.31935

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-4.80378	-.782383	4.446305	20.64004	-1.72060	.4016261	14.64193
SDev	6.72465	1.109400	.790376	2.13091	2.60841	.2263081	.12087
%RSD	139.9866	141.7976	17.77602	10.32414	151.5989	56.34796	.8255281
#1	-9.27182	-1.56118	3.988537	22.33512	1.155685	.1813453	14.65435
#2	2.930089	-1.27382	3.991426	18.24790	-3.93272	.3900181	14.51533
#3	-8.06961	.4878528	5.358951	21.33711	-2.38476	.6335147	14.75612

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	10817.33	L-10.7427	502.9429	33.46567	.6367391
SDev	57.25	1.2697	1.4828	.20345	.0963535
%RSD	.5292721	11.81896	.2948253	.6079360	15.13234
#1	10757.75	L-12.1567	501.3859	33.54982	.5355002
#2	10822.29	L-10.3710	503.1045	33.23364	.6473958
#3	10871.94	-9.70035	504.3382	33.61354	.7273212

Method: STL3 Sample Name: 210591-4 SD 5 Operator: NP
Run Time: 08/29/05 15:08:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.006576	62.39185	.0072217	37.98481	20.71391	-.044213	32344.74
SDev	.046324	.59755	.7351855	.34839	.10763	.043799	346.43
%RSD	704.4172	.9577446	10180.22	.9171882	.5195829	99.06467	1.071052
#1	.0200253	62.91248	-.373385	37.66943	20.60876	.0063622	31945.72
#2	-.060066	61.73938	-.459629	37.92622	20.70912	-.069516	32568.75
#3	.0203124	62.52368	.8546793	38.35878	20.82385	-.069485	32519.74

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0022795	6.854230	.0366418	.5431457	251.2599	3470.728	8354.195
SDev	.1375113	.501740	.2944057	.1061326	5.9871	26.460	57.666
%RSD	6032.553	7.320150	803.4686	19.54037	2.382814	.7623661	.6902667
#1	.1594460	6.274871	.0905833	.4273278	244.3466	3443.726	8293.689
#2	-.095884	7.144665	-.281005	.6357505	254.7014	3471.847	8360.373
#3	-.056724	7.143154	.3003470	.5663588	254.7316	3496.610	8408.523

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	839.4396	2.209722	24914.38	3.483014	1.892840	.7699319	-.049930
SDev	6.8095	.460283	205.77	.853397	1.898541	.9543807	1.516190
%RSD	.8111936	20.82989	.8259178	24.50168	100.3012	123.9565	3036.640
#1	831.5781	2.611490	24740.71	2.498351	.4829245	-.311323	1.665382
#2	843.4997	2.310165	24860.77	4.008754	4.051607	1.126145	-.604086
#3	843.2409	1.707513	25141.65	3.941936	1.143989	1.494974	-1.21109

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.8245910	-.042134	1.174557	5.713769	-.015759	.0074170	2.650785
SDev	3.854166	.691628	1.775767	2.598105	2.112683	.1301066	.072103
%RSD	467.4033	1641.498	151.1862	45.47095	13406.18	1754.174	2.720079
#1	4.845179	.7322534	-.833128	5.916253	-2.23067	-.142766	2.698060
#2	-2.83820	-.260236	1.817497	8.204707	1.977171	.0858917	2.567795
#3	.4667934	-.598419	2.539301	3.020346	.2062181	.0791256	2.686500

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	2125.794	-3.85967	103.4255	6.966664	-.045291
SDev	15.098	2.38822	.6178	.202188	.128462
%RSD	.7102211	61.87627	.5973437	2.902218	283.6368
#1	2109.459	-5.94442	102.8330	6.733813	-.191821
#2	2128.688	-4.38062	103.3778	7.068420	.0079925
#3	2139.236	-1.25398	104.0658	7.097759	.0479552

Method: STL3 Sample Name: 210607-2 Operator: NP
Run Time: 08/29/05 15:14:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2117084	2367.411	14.31099	245.4833	364.1095	.0450968	H210683.3
SDev	.2973305	26.221	4.10673	1.1658	.5788	.0241162	2472.7
%RSD	140.4434	1.107598	28.69635	.4748941	.1589569	53.47664	1.173674
#1	.3198140	2397.240	11.17544	244.1372	363.9376	.0597625	H207857.7
#2	-.124551	2356.992	18.95959	246.1588	363.6362	.0582647	H211740.4
#3	.4398618	2348.000	12.79794	246.1540	364.7548	.0172632	H212451.8

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.135656	3.041957	6.222043	43.15152	5770.318	19337.47	35956.11
SDev	.271185	.302336	.330626	.07208	44.577	87.88	133.82
%RSD	23.87917	9.938869	5.313779	.1670376	.7725155	.4544486	.3721802
#1	.9558082	2.701859	5.840270	43.09372	5721.331	19407.00	35814.36
#2	1.003583	3.280248	6.413758	43.12854	5781.129	19238.70	35973.70
#3	1.447576	3.143763	6.412100	43.23228	5808.495	19366.71	36080.26

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	328.5288	3.214142	H103839.5	7.336249	7.484684	736.9406	-4.86147
SDev	2.8975	1.205303	113.2	.362147	3.158269	6.0683	3.47402
%RSD	.8819740	37.50000	.1090309	4.936402	42.19643	.8234482	71.46028
#1	325.2666	4.419446	H103835.6	6.986309	11.07002	730.1224	-6.10674
#2	329.5165	2.008839	H103728.2	7.709478	6.269682	738.9501	-7.54123
#3	330.8034	3.214142	H103954.6	7.312959	5.114350	741.7492	-.936445

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.377426	733.9653	738.4251	30.04009	-3.77711	6.409382	619.9417
SDev	5.073692	5.8030	6.3855	5.34244	2.09015	.218241	5.0437
%RSD	115.9058	.7906316	.8647482	17.78437	55.33730	3.405032	.8135797
#1	7.241017	727.2790	731.5411	36.17931	-1.46681	6.190309	614.3589
#2	-1.48068	737.6877	739.5796	27.49410	-4.32762	6.626782	621.2967
#3	7.371942	736.9293	744.1547	26.44686	-5.53691	6.411054	624.1695

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	16979.17	L-27.6238	1055.908	146.3423	1.297456
SDev	5.06	2.2389	2.589	2.3915	.351702
%RSD	.0297820	8.105085	.2451815	1.634172	27.10705
#1	16984.72	L-28.4377	1053.551	148.3567	.9191422
#2	16974.83	L-25.0917	1055.494	146.9709	1.614493
#3	16977.96	L-29.3419	1058.678	143.6993	1.358732

Method: STL3 Sample Name: 210607-2 SD 5 Operator: NP
Run Time: 08/29/05 15:20:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1794864	455.0352	1.102920	46.16695	75.88428	.0025700	44928.34
SDev	.1065407	5.6135	1.969275	.40198	.39442	.0219274	423.54
%RSD	59.35864	1.233646	178.5511	.8707067	.5197692	853.1885	.9426913
#1	.1394354	457.2507	3.152530	45.72024	75.49226	-.009799	44442.07
#2	.3002484	448.6520	.9309702	46.49950	75.87952	-.010378	45126.37
#3	.0987753	459.2029	-.774742	46.28112	76.28106	.0278874	45216.59

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1679733	.5242228	1.368972	8.806242	1200.737	2938.675	7303.940
SDev	.2957131	.2741314	.139517	.171354	4.554	27.208	60.090
%RSD	176.0477	52.29292	10.19138	1.945822	.3793047	.9258547	.8227005
#1	-.170597	.3321655	1.316822	8.690350	1200.281	2907.756	7238.196
#2	.2988676	.4023443	1.263043	8.725305	1196.428	2949.307	7317.601
#3	.3756491	.8381585	1.527052	9.003073	1205.503	2958.960	7356.023

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	68.50878	.4017677	27156.72	1.787009	3.712775	145.2781	2.111434
SDev	.52647	.6272597	271.36	.393365	4.849490	1.6880	3.682768
%RSD	.7684767	156.1250	.9992369	22.01246	130.6163	1.161887	174.4202
#1	67.92989	1.104861	26879.18	1.393615	-1.85965	144.5030	6.320030
#2	68.63750	-.100442	27169.54	1.787067	6.020869	144.1169	.5349289
#3	68.95896	.2008839	27421.44	2.180344	6.977107	147.2144	-.520657

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-6.91115	141.6246	147.1013	6.514345	2.313090	1.417623	123.5545
SDev	4.16793	2.5886	3.7557	1.671491	7.386033	.395225	.9477
%RSD	60.30730	1.827822	2.553167	25.65862	319.3146	27.87940	.7670457
#1	-2.13952	141.6587	145.9223	6.482265	-6.02536	.9612612	122.4806
#2	-8.75359	144.1961	144.0766	8.201645	4.931117	1.644011	124.2736
#3	-9.84034	139.0191	151.3052	4.859125	8.033510	1.647595	123.9092

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	3386.954	-5.14936	221.4083	30.57542	.2371120
SDev	32.980	1.73455	1.3408	.15209	.2200974
%RSD	.9737338	33.68467	.6055696	.4974136	92.82423
#1	3352.623	-6.56351	219.9893	30.68295	.2237911
#2	3389.846	-3.21396	221.5815	30.40141	.0239776
#3	3418.392	-5.67061	222.6540	30.64189	.4635673

Method: STL3 Sample Name: 210540-9 Operator: NP
Run Time: 08/29/05 15:26:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1359625	36.99154	-2.09569	45.79995	120.2163	.0390133	18541.55
SDev	.2450319	1.19421	4.51645	.53145	.3481	.0380585	119.38
%RSD	180.2202	3.228325	215.5111	1.160367	.2895289	97.55263	.6438656
#1	.0149781	38.29497	3.100342	45.19456	119.9295	.0009461	18404.54
#2	.4179558	35.95003	-4.30742	46.18960	120.1159	.0390307	18596.87
#3	-.025046	36.72963	-5.07999	46.01569	120.6036	.0770631	18623.23

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0816529	.2823423	428.3858	2.048799	49.55772	27869.49	3265.620
SDev	.3232389	.2328994	2.6241	.087394	3.45569	109.73	12.191
%RSD	395.8693	82.48831	.6125521	4.265645	6.973056	.3937135	.3733262
#1	-.256424	.5481777	425.3744	1.956235	46.93451	27756.31	3252.472
#2	.3876631	.1846503	429.6010	2.129890	48.26532	27876.77	3267.840
#3	.1137201	.1141991	430.1821	2.060271	53.47333	27975.40	3276.550

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	20.24265	1.104861	30605.31	2.338861	-.798069	-1.28872	-.211225
SDev	.13389	.521912	143.82	.473887	2.511463	1.23028	2.849336
%RSD	.6614086	47.23775	.4699065	20.26144	314.6924	95.46540	1348.956
#1	20.13546	.8035355	30446.84	2.472350	-3.68538	-.854915	.4395471
#2	20.19976	.8035355	30641.54	2.731685	.8802007	-.334103	2.256431
#3	20.39272	1.707513	30727.55	1.812546	.4109671	-2.67714	-3.32965

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.772730	-7.70823	1.915428	12.41908	-7.39774	.1924133	13.82580
SDev	4.455522	1.67041	1.164275	2.00560	4.76193	.1277553	.13766
%RSD	251.3367	21.67052	60.78407	16.14934	64.37015	66.39632	.9956482
#1	-3.00344	-6.35055	1.887981	14.68772	L-12.8591	.2661353	13.66685
#2	2.504679	-7.20057	3.093185	10.88178	-4.11409	.2662104	13.90427
#3	5.816956	-9.57358	.7651195	11.68774	-5.21997	.0448941	13.90628

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	3469.986	-3.05411	141.1750	1.133621	-.183828
SDev	21.607	1.77277	.4957	.060778	.154362
%RSD	.6226944	58.04534	.3511359	5.361444	83.97047
#1	3445.546	-1.71383	140.6891	1.143634	-.351672
#2	3477.861	-5.06420	141.1561	1.188771	-.047955
#3	3486.552	-2.38431	141.6800	1.068458	-.151858

Method: STL3 Sample Name: CCV3 Operator: NP
Run Time: 08/29/05 15:32:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48.43854	4878.450	525.6485	524.5831	512.9681	506.3190	18483.75
SDev	.57404	49.160	3.4952	5.4136	3.4709	5.3808	234.00
%RSD	1.185081	1.007705	.6649374	1.031986	.6766310	1.062724	1.265983
#1	47.92527	4822.267	523.0422	518.4724	509.0099	500.2936	18219.63
#2	48.33196	4899.522	529.6204	526.4977	514.4022	508.0185	18566.43
#3	49.05840	4913.562	524.2830	528.7794	515.4921	510.6448	18665.19

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	495.8777	509.7998	502.7433	511.6660	4938.166	38011.52	18501.07
SDev	5.6476	6.2149	5.8743	4.3233	53.840	330.30	169.21
%RSD	1.138913	1.219085	1.168446	.8449513	1.090288	.8689382	.9145853
#1	489.6895	502.9121	496.0143	506.7234	4880.745	37632.10	18312.35
#2	497.1901	511.4991	505.3677	513.5297	4946.239	38167.65	18551.62
#3	500.7536	514.9884	506.8479	514.7449	4987.513	38234.81	18639.24

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	497.5824	505.9261	38534.62	508.2096	517.5498	511.9911	491.6095
SDev	4.8945	9.3960	320.47	5.0494	4.5987	7.1481	3.8281
%RSD	.9836622	1.857193	.8316439	.9935605	.8885475	1.396140	.7786936
#1	492.1727	495.2792	38164.91	502.4291	513.0651	503.7606	491.5166
#2	498.8705	509.4415	38705.84	510.4401	517.3298	515.5680	495.4832
#3	501.7041	513.0574	38733.13	511.7596	522.2545	516.6446	487.8286

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	493.2618	511.4323	512.2692	521.1508	515.7511	505.9492	501.6727
SDev	7.1162	4.2082	8.7365	7.8115	3.0907	5.0665	5.3681
%RSD	1.442689	.8228292	1.705443	1.498885	.5992611	1.001382	1.070032
#1	488.0079	506.7018	502.2914	512.9056	513.1438	500.1785	495.6796
#2	501.3603	514.7598	515.9706	522.1061	514.9443	508.0016	503.2987
#3	490.4170	512.8353	518.5457	528.4407	519.1652	509.6674	506.0397

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	900.5864	499.3577	501.7607	493.6135	494.3307
SDev	11.5694	7.1016	3.8468	4.4272	5.3072
%RSD	1.284652	1.422143	.7666600	.8968965	1.073606
#1	887.3043	491.3891	497.4140	488.6839	488.3363
#2	905.9861	501.6658	503.1422	494.9059	496.2249
#3	908.4688	505.0180	504.7260	497.2507	498.4308

Method: STL3 Sample Name: CCB3 Operator: NP
Run Time: 08/29/05 15:38:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0002379	11.19937	-1.23186	-.145131	.0477666	.0128325	17.07963
SDev	.0462837	1.37118	2.95258	.390147	.0298487	.0220016	.21437
%RSD	19454.47	12.24333	239.6855	268.8236	62.48864	171.4524	1.255114
#1	-.026448	11.32500	.9118340	.2588924	.0573349	.0382377	17.20340
#2	.0536817	9.769710	-.007797	-.174550	.0716579	.0000786	17.20340
#3	-.026520	12.50342	-4.59960	-.519736	.0143070	.0001812	16.83210

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0637066	-.409223	-.141022	.2082049	7.408547	-34.2764	18.78058
SDev	.1079977	.043727	.318470	.1060628	3.004515	7.6514	1.18358
%RSD	169.5236	10.68533	225.8304	50.94155	40.55472	22.32253	6.302151
#1	.1160384	-.383152	-.176306	.1849663	5.669155	-41.1317	17.41390
#2	-.060488	-.459705	.1936209	.1156883	10.87786	-26.0221	19.46392
#3	.1355689	-.384812	-.440380	.3239602	5.678628	-35.6755	19.46392

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.279857	1.104861	21.73149	.1740774	.9107063	-.347356	2.013866
SDev	.074473	.903978	1.16550	.4534903	1.457373	.424459	2.228767
%RSD	26.61094	81.81818	5.363172	260.5107	160.0266	122.1972	110.6711
#1	-.365850	2.008839	22.28966	.4345753	.6207131	.1072571	3.968224
#2	-.236881	.2008839	22.51293	.4372227	2.491274	-.416041	2.486780
#3	-.236839	1.104861	20.39188	-.349566	-.379868	-.733283	-.413405

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.09138	-1.15733	.0562244	.8068051	.9615794	-.064324	-.161914
SDev	7.96764	.87165	.2591621	1.646699	1.886956	.134353	.138435
%RSD	730.0489	75.31537	460.9426	204.1012	196.2351	208.8694	85.49903
#1	8.087128	-.384077	.3517560	2.227555	-.182503	.0237053	-.002071
#2	-6.22782	-.985988	-.132294	1.190834	3.139519	.0022908	-.243247
#3	-5.13345	-2.10192	-.050789	-.997974	-.072278	-.218967	-.240422

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	.8249757	1.488447	-.035056	.1303332	.6180898
SDev	1.563614	2.645195	.012948	.0780989	.5154001
%RSD	189.5346	177.7151	36.93610	59.92249	83.38596
#1	1.027877	4.540142	-.022106	.2205140	1.190889
#2	2.277234	.0740818	-.035060	.0851652	.4715599
#3	-.830185	-.148882	-.048003	.0853204	.1918210

Method: STL3 Sample Name: 210540-10 Operator: NP
Run Time: 08/29/05 15:44:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1072434	87.67036	-1.12807	20.72857	67.13864	.0157125	26057.33
SDev	.2293086	2.35590	3.86508	.35996	.14076	.0220594	245.54
%RSD	213.8207	2.687222	342.6272	1.736523	.2096570	140.3934	.9422952
#1	.1743489	89.88654	-5.35032	20.32524	66.97611	.0030624	25775.52
#2	.2955128	87.92852	-.269258	20.84330	67.21990	.0028909	26171.31
#3	-.148131	85.19601	2.235367	21.01719	67.21992	.0411843	26225.15

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.141021	.0851115	1.514942	.7622237	507.7682	6764.897	3728.298
SDev	.189820	.0743880	.183278	.1404129	2.7052	23.635	16.576
%RSD	134.6041	87.40073	12.09803	18.42149	.5327678	.3493739	.4446056
#1	-.095294	.0847324	1.621161	.6348974	505.5912	6737.616	3709.344
#2	-.349527	.1596884	1.303311	.7389571	510.7967	6779.167	3735.470
#3	.0217592	.0109137	1.620354	.9128167	506.9167	6777.908	3740.081

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	12.38594	-.502210	46076.56	1.747944	1.163064	-1.60047	-1.02825
SDev	.11134	.627260	74.43	.165721	2.405657	1.12674	1.34249
%RSD	.8989126	124.9000	.1615342	9.480929	206.8379	70.40063	130.5607
#1	12.25738	-.703094	46005.89	1.901361	2.439255	-2.84252	-.058655
#2	12.45028	.2008839	46069.52	1.572185	-1.61178	-.644004	-2.56051
#3	12.45016	-1.00442	46154.25	1.770285	2.661715	-1.31488	-.465575

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.682583	-5.79328	.4919998	16.11924	-6.30478	.7862168	5.205347
SDev	3.367951	1.65006	.9247317	3.79212	5.49636	.1289523	.119948
%RSD	493.4129	28.48238	187.9537	23.52545	87.17770	16.40162	2.304321
#1	.0483177	-7.69800	-.419216	13.81865	-3.24291	.7063780	5.325293
#2	2.259902	-4.79920	1.429680	20.49609	L-12.6501	.7172876	5.205351
#3	-4.35597	-4.88264	.4655355	14.04298	-3.02128	.9349849	5.085397

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	2623.348	-7.81121	170.3982	3.631789	.3170374
SDev	13.110	1.80576	.4203	.188202	.1450450
%RSD	.4997414	23.11752	.2466440	5.182084	45.75011
#1	2609.490	-7.51338	169.9317	3.625060	.2957240
#2	2635.553	-9.74737	170.5157	3.447042	.4715599
#3	2625.000	-6.17288	170.7473	3.823266	.1838284

Method: STL3 Sample Name: 210540-11 Operator: NP
Run Time: 08/29/05 15:50:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0823574	468.8506	-1.89402	25.11566	85.66435	.0281164	13817.55
SDev	.0468095	4.2117	1.22057	.11267	.14123	.0211897	88.05
%RSD	56.83702	.8982959	64.44312	.4486101	.1648647	75.36423	.6372548
#1	.0554687	467.0278	-2.72593	25.03055	85.50662	.0525688	13719.52
#2	.0551953	465.8573	-2.46333	25.24344	85.70734	.0151393	13843.16
#3	.1364081	473.6666	-.492812	25.07301	85.77909	.0166411	13889.95

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.083482	.6244614	1308.068	2.082647	326.0002	1597.419	1685.934
SDev	.150793	.0861736	8.573	.040124	10.0874	7.354	4.887
%RSD	180.6291	13.79966	.6554002	1.926584	3.094303	.4603648	.2898775
#1	-.179816	.7239652	1298.593	2.059418	317.7845	1589.864	1680.298
#2	.0902964	.5750723	1310.323	2.128978	337.2588	1604.554	1688.496
#3	-.160926	.5743467	1315.289	2.059544	322.9574	1597.839	1689.007

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	12.63776	.3013258	14944.16	2.045446	3.810512	-.325455	.1366081
SDev	.09823	.6272597	21.05	.398905	1.814714	.382279	1.911602
%RSD	.7773033	208.1666	.1408551	19.50211	47.62388	117.4599	1399.333
#1	12.55197	.5022097	14922.80	1.784494	4.075562	-.731726	1.379142
#2	12.74492	-.401768	14944.79	1.847208	1.877849	-.271805	1.095311
#3	12.61639	.8035355	14964.89	2.504637	5.478126	.0271652	-2.06463

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.434438	-4.36647	1.691224	16.51354	-2.53248	.6984770	6.124682
SDev	3.829486	.65687	.656396	3.17980	3.22512	.2332902	.002325
%RSD	266.9678	15.04344	38.81187	19.25569	127.3504	33.39983	.0379662
#1	-.777906	-4.67264	1.234979	20.12440	-3.93783	.4694702	6.127259
#2	5.856347	-3.61241	1.395195	15.28457	-4.81646	.6901341	6.124045
#3	-.775128	-4.81436	2.443499	14.13163	1.156859	.9358267	6.122741

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	2589.186	-4.28437	69.10068	16.85450	.6846943
SDev	16.881	2.20056	.14451	1.27699	.0532170
%RSD	.6519741	51.36257	.2091309	7.576530	7.772369
#1	2569.852	-2.79787	68.93522	15.76866	.7113361
#2	2600.999	-3.24290	69.16467	16.53347	.7193286
#3	2596.707	-6.81234	69.20214	18.26137	.6234182

Method: STL3 Sample Name: 210540-12 Operator: NP
Run Time: 08/29/05 15:56:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.092482	275.7851	-1.19615	37.20045	119.7663	.0605661	16128.12
SDev	.198856	.6035	1.36328	.44358	.6886	.0429306	189.70
%RSD	215.0215	.2188132	113.9730	1.192401	.5749731	70.88219	1.176224
#1	-.186133	275.1251	.3545972	36.82566	118.9822	.0844267	15913.88
#2	-.227221	275.9217	-2.20591	37.08552	120.0436	.0862660	16195.70
#3	.1359084	276.3086	-1.73713	37.69019	120.2730	.0110055	16274.78

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0669396	1.102372	248.1698	.7983010	155.8949	7111.579	3753.441
SDev	.0599892	.110026	2.4053	.1605022	1.9797	77.175	29.910
%RSD	89.61697	9.980823	.9692110	20.10548	1.269904	1.085208	.7968815
#1	.0146270	1.085363	245.5812	.7054151	155.4469	7023.020	3720.143
#2	.1324183	1.001842	248.5925	.7058549	154.1776	7147.254	3762.150
#3	.0537735	1.219912	250.3357	.9836328	158.0602	7164.462	3778.031

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	17.88953	.3013258	21170.62	1.860645	2.495312	-1.11758	-3.58057
SDev	.22572	1.546284	193.36	.212337	1.922339	.50399	2.30321
%RSD	1.261746	513.1602	.9133183	11.41200	77.03803	45.09694	64.32524
#1	17.67533	2.008839	20959.10	2.016036	4.451644	-1.27259	-1.35158
#2	17.86803	-1.00442	21214.52	1.618702	2.425420	-1.52585	-5.95143
#3	18.12523	-.100442	21338.26	1.947198	.6088723	-.554285	-3.43869

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.222003	-6.16866	1.403383	18.20738	-5.34994	.5665763	5.925541
SDev	6.264289	1.45816	.780967	4.81494	3.16463	.1520349	.184243
%RSD	148.3724	23.63822	55.64890	26.44497	59.15257	26.83396	3.109296
#1	-2.75616	-4.91651	.5458448	17.13564	-1.88184	.7420304	5.966910
#2	9.360393	-7.76958	1.590530	23.46788	-8.08104	.4737007	6.085583
#3	6.061780	-5.81990	2.073774	14.01862	-6.08695	.4839978	5.724131

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	3309.064	-2.58742	129.6062	10.80761	1.417344
SDev	23.700	2.90424	.9912	1.38778	.045448
%RSD	.7162182	112.2445	.7647813	12.84076	3.206529
#1	3282.162	-2.59074	128.4899	9.289128	1.454642
#2	3318.169	-5.48999	129.9453	11.12345	1.366724
#3	3326.862	.3184746	130.3833	12.01024	1.430665

Method: STL3 Sample Name: 210540-13 Operator: NP
Run Time: 08/29/05 16:02:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1218015	7.804071	-.748371	.6162019	.1576789	-.012752	42.57531
SDev	.1013229	1.171137	2.862758	.3514387	.0430211	.021937	.42874
%RSD	83.18690	15.00675	382.5321	57.03303	27.28397	172.0311	1.007005
#1	.1352037	7.806263	2.042217	.2135286	.1146659	-.000073	42.08025
#2	.0144445	8.974112	-3.67822	.8611247	.2007080	-.000100	42.82284
#3	.2157562	6.631840	-.609112	.7739526	.1576627	-.038083	42.82284

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.068552	.2718611	.4224563	.6595160	19.46016	L-35.1158	2.059112
SDev	.030342	.4047800	.1613969	.0530474	3.95110	8.1853	1.846966
%RSD	44.26154	148.8922	38.20438	8.043378	20.30353	23.30929	89.69720
#1	-.061421	-.164110	.5633259	.6016488	16.03692	L-44.4894	.5223436
#2	-.042410	.6357704	.2463534	.6710554	18.55985	L-31.4783	1.546856
#3	-.101824	.3439229	.4576897	.7058439	23.78372	L-29.3798	4.108137

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.309974	2.511049	29.26682	1.114761	2.214601	-1.66942	-.952088
SDev	.000119	.347941	.93233	.493579	2.135998	.88971	.434950
%RSD	.0091145	13.85641	3.185624	44.27664	96.45071	53.29435	45.68381
#1	1.310055	2.310165	30.10407	.8306789	1.127568	-2.04236	-.818867
#2	1.310030	2.912816	29.43427	1.684696	.8407599	-.653938	-1.43807
#3	1.309837	2.310165	28.26211	.8289089	4.675474	-2.31197	-.599329

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.499510	-7.80672	1.393830	14.24854	-3.79435	.1840875	3.228938
SDev	7.638424	1.27079	.700457	5.83218	2.14278	.1360060	.120575
%RSD	509.3948	16.27814	50.25411	40.93179	56.47290	73.88120	3.734214
#1	-2.91344	-8.28315	1.072560	15.93844	-6.26777	.0270969	3.350805
#2	-2.90763	-6.36656	2.197293	7.758010	-2.61368	.2662036	3.226311
#3	10.31960	-8.77045	.9116362	19.04916	-2.50159	.2589618	3.109697

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	1.657059	2.903250	.1153084	.0152153	.0479552
SDev	.621922	1.031594	.0098840	.0756629	.1110359
%RSD	37.53167	35.53240	8.571806	497.2834	231.5408
#1	2.279950	2.307713	.1066873	-.064975	-.079925
#2	1.036111	2.307605	.1131419	.0252768	.1198881
#3	1.655115	4.094432	.1260959	.0853440	.1039030

Method: STL3 Sample Name: 210540-13 MD Operator: NP
Run Time: 08/29/05 16:08:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1754250	3.637950	-2.76647	.1460811	.1147828	-.012795	38.36729
SDev	.1207396	.813152	3.78128	.2133728	.0143455	.021994	.74259
%RSD	68.82691	22.35192	136.6822	146.0646	12.49792	171.8877	1.935487
#1	.1750888	3.904683	-1.12610	.0018550	.1004368	-.038192	37.62469
#2	.2963324	2.724932	-7.09093	.3911886	.1291277	-.000067	38.36729
#3	.0548538	4.284235	-.082383	.0451998	.1147839	-.000128	39.10988

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.154005	.3190809	-.052963	.8912556	L-12.1524	L-24.9029	1.715297
SDev	.019614	.1124155	.335451	.0874618	.7614	7.1515	1.478901
%RSD	12.73616	35.23102	633.3647	9.813327	6.265267	28.71755	86.21832
#1	-.173658	.1958101	-.440309	.9839717	L-11.2733	L-32.3178	.0076101
#2	-.153927	.4159367	.1407362	.8102225	L-12.5959	L-18.0476	2.568892
#3	-.134430	.3454958	.1406829	.8795726	L-12.5881	L-24.3433	2.569390

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.009845	1.908397	43.85371	.5692005	1.258036	-2.86567	-3.58893
SDev	.037352	1.058221	.59684	.2994106	3.126643	.34276	3.35029
%RSD	3.698768	55.45081	1.360973	52.60197	248.5336	11.96079	93.35065
#1	.9883127	.8035355	44.17001	.2424122	3.360365	-2.49341	-7.45151
#2	.9882463	2.008839	44.22582	.6348511	2.748732	-3.16820	-1.84429
#3	1.052975	2.912816	43.16529	.8303381	-2.33499	-2.93539	-1.47100

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.015746	-9.30916	.3504505	13.09540	-4.65270	.1775539	3.154237
SDev	6.067076	1.45245	.2131538	4.27146	2.67094	.1453774	.069074
%RSD	38531.59	15.60236	60.82278	32.61803	57.40628	81.87791	2.189868
#1	-6.25791	-7.70693	.1086487	14.90114	-2.40227	.0098009	3.114732
#2	.3510821	L-10.5395	.5111437	16.16743	-3.95156	.2560632	3.233995
#3	5.859594	-9.68101	.4315592	8.217624	-7.60428	.2667974	3.113984

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	-2.68885	.5211775	.1305476	-.034752	-.130545
SDev	.00809	3.438127	.0098718	.108323	.168097
%RSD	.3008654	659.6846	7.561863	311.7049	128.7656
#1	-2.69545	1.414472	.1197750	-.154921	-.303717
#2	-2.69127	3.424491	.1327065	.0553893	.0319702
#3	-2.67983	-3.27543	.1391613	-.004724	-.119888

Method: STL3 Sample Name: 210540-13 MS Operator: NP
Run Time: 08/29/05 16:14:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	43.82033	1932.532	90.34061	.2342732	1965.946	52.32265	13903.69
SDev	.17580	4.720	2.36025	.3010342	2.204	.09538	48.30
%RSD	.4011947	.2442566	2.612618	128.4970	.1120920	.1823009	.3473776
#1	43.61867	1928.892	92.81924	-.051909	1967.605	52.23422	13850.22
#2	43.90099	1930.838	90.08265	.2064944	1963.445	52.31000	13916.68
#3	43.94133	1937.865	88.11993	.5482341	1966.787	52.42373	13944.16

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	106.8540	489.0415	195.6350	243.1556	937.7043	11828.99	14008.33
SDev	.3677	1.1537	.6124	.4070	9.4788	24.86	24.85
%RSD	.3440711	.2359054	.3130542	.1673735	1.010846	.2101598	.1774029
#1	106.4520	488.1687	195.0713	242.9935	930.4197	11813.60	13993.47
#2	107.1733	488.6064	195.5469	242.8546	934.2722	11815.70	13994.50
#3	106.9366	490.3495	196.2867	243.6186	948.4210	11857.67	14037.02

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	486.9101	-.502210	14921.81	494.3555	124.2811	40.63299	215.9484
SDev	.7632	.460283	50.20	.7320	2.8895	1.30801	1.9754
%RSD	.1567396	91.65152	.3363907	.1480772	2.325005	3.219089	.9147651
#1	486.0296	-1.00442	14909.57	493.5243	121.6908	40.84512	215.2472
#2	487.3829	-.401768	14878.87	494.6383	127.3976	39.23187	218.1788
#3	487.3177	-.100442	14977.00	494.9040	123.7551	41.82196	214.4192

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	100.6663	36.76231	42.56462	133.8682	119.4940	489.9596	496.5277
SDev	3.9803	1.01779	2.46245	5.2414	1.8024	.7016	.8954
%RSD	3.954000	2.768565	5.785203	3.915318	1.508325	.1431892	.1803256
#1	96.24567	36.81128	42.85822	128.6082	118.2365	489.2575	495.4938
#2	103.9659	37.75473	39.96853	139.0907	121.5589	489.9607	497.0476
#3	101.7873	35.72092	44.86711	133.9057	118.6866	490.6606	497.0416

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	143.3955	3.127038	.3471724	.1769625	-.079925
SDev	.3534	2.617206	.0101390	.0397026	.044501
%RSD	.2464352	83.69601	2.920450	22.43558	55.67764
#1	143.1845	1.191689	.3466175	.1917502	-.127881
#2	143.8035	6.104833	.3575775	.2071492	-.071933
#3	143.1986	2.084592	.3373223	.1319883	-.039963

Method: STL3 Sample Name: MB Operator: NP
Run Time: 08/29/05 16:20:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1348452	4.425956	.2362521	.0735987	.2677641	-.012570	55.07562
SDev	.2133119	1.256073	2.402405	.1080340	.0646817	.021893	.64310
%RSD	158.1902	28.37971	1016.882	146.7879	24.15621	174.1654	1.167674
#1	.3767397	5.858082	1.635182	-.040766	.3299261	.0000672	54.33303
#2	-.026317	3.511191	-2.53777	.1739301	.2725390	.0000722	55.44692
#3	.0541128	3.908596	1.611347	.0876322	.2008274	-.037850	55.44692

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0086514	.6321387	-.458106	.2314153	L-11.7466	L-46.1682	.8570690
SDev	.2003707	.3325339	.185524	.0401046	2.9707	8.4881	1.939657
%RSD	2316.049	52.60457	40.49808	17.33013	25.28949	18.38521	226.3128
#1	.0613069	.2695892	-.651838	.2545541	L-15.1768	L-55.8216	.0031430
#2	-.212789	.9229450	-.440423	.1851065	L-10.0418	L-39.8726	3.077179
#3	.1774363	.7038820	-.282056	.2545853	L-10.0211	L-42.8105	-.509115

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4296355	1.205303	12.42863	.3946732	1.440378	-3.24742	-1.49837
SDev	.0373122	.347941	.21132	.1515860	1.796624	1.52535	3.13621
%RSD	8.684608	28.86751	1.700272	38.40798	124.7328	46.97120	209.3074
#1	.4081763	1.406187	12.57747	.3075131	3.016826	-4.55891	-1.21527
#2	.4727198	1.406187	12.52165	.3067973	1.820043	-3.60985	-4.76653
#3	.4080104	.8035355	12.18675	.5697091	-.515736	-1.57349	1.486682

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.382607	-9.75823	.0023112	13.86351	-4.76287	-.217569	2.237207
SDev	4.972209	2.24770	1.274987	2.72406	1.70104	.235621	.068315
%RSD	1299.561	23.03388	55166.76	19.64911	35.71450	108.2970	3.053569
#1	-5.16226	L-12.1430	-.773332	16.97427	-3.95243	-.215111	2.158325
#2	4.762045	-9.45280	-.693553	12.71167	-3.61861	.0168131	2.276334
#3	-.747609	-7.67887	1.473818	11.90458	-6.71758	-.454409	2.276962

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	5.574540	3.201222	.1581131	.0103819	-.077261
SDev	.946563	3.004536	.0064603	.0655089	.024418
%RSD	16.98012	93.85590	4.085873	630.9898	31.60397
#1	6.605833	4.094501	.1516584	-.034695	-.103903
#2	5.372435	-.148653	.1581021	.0855271	-.055948
#3	4.745351	5.657818	.1645790	-.019686	-.071933

Method: STL3 Sample Name: LCSM05HLCS001 Operator: NP
Run Time: 08/29/05 16:26:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	288.7684	5928.771	1040.184	522.2698	304.6737	113.2532	30625.51
SDev	3.7447	78.804	11.038	7.4699	2.6903	1.3374	446.84
%RSD	1.296787	1.329178	1.061166	1.430282	.8830257	1.180928	1.459042
#1	284.6684	5840.120	1028.087	513.9309	301.6538	111.7736	30132.31
#2	289.6287	5955.326	1042.757	524.5296	305.5530	113.6098	30740.86
#3	292.0081	5990.867	1049.709	528.3489	306.8144	114.3762	31003.37

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	303.9772	307.5154	307.4536	305.2130	25573.89	17867.78	15066.00
SDev	3.5214	3.9452	4.5308	2.9669	310.00	180.51	165.89
%RSD	1.158444	1.282927	1.473645	.9720657	1.212174	1.010227	1.101100
#1	300.3640	303.0717	302.3813	301.8684	25227.81	17661.43	14882.08
#2	304.1686	308.8684	308.8800	306.2431	25667.74	17945.57	15111.60
#3	307.3990	310.6060	311.0996	307.5275	25826.11	17996.35	15204.33

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	203.3896	307.1515	30500.13	308.8147	553.0599	1011.011	1017.512
SDev	2.5053	5.3931	357.28	3.4878	6.2908	13.841	11.698
%RSD	1.231788	1.755838	1.171394	1.129418	1.137456	1.368999	1.149700
#1	200.5838	301.2254	30096.82	304.7902	548.3496	995.3362	1005.580
#2	204.1825	308.4572	30626.63	310.6954	550.6263	1016.150	1028.962
#3	205.4026	311.7718	30776.95	310.9586	560.2040	1021.548	1017.993

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1010.265	1011.552	1010.741	564.3215	547.4366	308.4524	311.4005
SDev	4.448	9.555	16.158	2.4658	8.3935	4.1805	4.2006
%RSD	.4402672	.9446281	1.598630	.4369412	1.533228	1.355312	1.348942
#1	1005.327	1000.529	992.7426	561.6315	541.7176	303.6746	306.6313
#2	1011.511	1017.490	1015.481	564.8585	543.5198	310.2443	313.0190
#3	1013.957	1016.637	1023.998	566.4746	557.0726	311.4383	314.5510

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	348.5364	-2.66489	-.130733	1021.540	.6074331
SDev	7.3929	2.49055	.009156	10.547	.3459026
%RSD	2.121124	93.45785	7.003887	1.032419	56.94497
#1	340.0663	-2.24313	-.128891	1009.950	.9990676
#2	351.8501	-5.33940	-.140671	1024.095	.4795524
#3	353.6926	-.412154	-.122638	1030.574	.3436792

Method: STL3 Sample Name: 210542-7 Operator: NP
Run Time: 08/29/05 16:32:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0811965	4.421166	.2905708	3.646961	.0955879	-.012680	63.49167
SDev	.3659823	.983038	3.385981	.398096	.0165332	.022076	.56716
%RSD	450.7367	22.23482	1165.286	10.91582	17.29632	174.1022	.8932880
#1	.1351035	5.460703	.4830110	4.106641	.1146788	.0001429	63.61543
#2	-.308750	4.296222	3.576227	3.418104	.0860629	-.038171	62.87284
#3	.4172354	3.506573	-3.18753	3.416138	.0860221	-.000012	63.98673

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.090877	.0271110	.1936146	.6828738	5.630339	L-32.5976	5.128187
SDev	.118313	.2761997	.1398351	.0199714	8.495334	5.0073	1.846483
%RSD	130.1900	1018.775	72.22345	2.924615	150.8849	15.36103	36.00655
#1	-.215812	.3429643	.2992298	.7059344	13.39429	L-34.8361	6.664459
#2	-.076279	-.169075	.2465801	.6714641	-3.44408	L-36.0952	3.079660
#3	.0194590	-.092557	.0350339	.6712229	6.940800	L-26.8615	5.640442

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.7302198	1.406187	196.2160	.3244818	.0562443	-1.35077	-3.38859
SDev	.0646818	1.043823	1.5194	.3616693	3.223981	.23479	2.81174
%RSD	8.857851	74.23075	.7743602	111.4606	5732.104	17.38196	82.97662
#1	.6655815	2.008839	197.6115	-.091365	-1.47726	-1.59781	-3.31515
#2	.7949449	.2008839	196.4393	.5656987	-2.11475	-1.32396	-6.23633
#3	.7301330	2.008839	194.5973	.4991115	3.760739	-1.13053	-.614289

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.845629	-6.25950	1.099122	11.17559	-5.49609	.2485789	2.354212
SDev	4.980630	1.57807	1.023218	3.16870	4.91890	.0121641	.068487
%RSD	269.8608	25.21076	93.09411	28.35378	89.49812	4.893452	2.909145
#1	6.998901	-5.98368	.5910444	14.32507	-9.36758	.2555037	2.275130
#2	-2.94223	-4.83752	.4293815	7.988012	-7.15955	.2345335	2.393893
#3	1.480217	-7.95729	2.276939	11.21368	.0388549	.2556997	2.393614

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	92.85752	.8191286	.1643377	.1240610	-.277075
SDev	.61772	2.026463	.0112056	.1505293	.211815
%RSD	.6652318	247.3925	6.818630	121.3349	76.44685
#1	92.85767	1.638131	.1578570	.2793408	-.127881
#2	92.23973	-1.48866	.1578793	-.021219	-.519515
#3	93.47517	2.307910	.1772768	.1140614	-.183828

Method: STL3 Sample Name: 210542-15 Operator: NP
Run Time: 08/29/05 16:38:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0410463	5.333928	-.008934	69.25558	.0860740	-.012690	35.39691
SDev	.1676195	1.250035	2.047141	.76419	.0143174	.021881	1.11389
%RSD	408.3671	23.43554	22914.60	1.103436	16.63378	172.4316	3.146855
#1	-.146732	5.852756	2.335218	68.56398	.0860769	-.037956	34.28303
#2	.1755665	6.241004	-.917382	69.12676	.0717553	-.000155	35.39691
#3	.0943039	3.908024	-1.44464	70.07599	.1003900	.0000416	36.51081

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.107432	.1965153	-.211490	.6133727	-6.50932	L-41.1317	1.368664
SDev	.255750	.3147587	.061084	.1061709	6.53234	8.4881	.295751
%RSD	238.0586	160.1701	28.88279	17.30936	100.3536	20.63645	21.60873
#1	-.191854	-.164777	-.282025	.4974991	-7.33997	L-50.7851	1.539417
#2	.1798566	.3429030	-.176164	.7059829	L-12.5866	L-37.7740	1.027160
#3	-.310297	.4114205	-.176282	.6366361	.3986130	L-34.8361	1.539416

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3437969	1.807955	79.40926	.3232001	2.402112	-1.74940	-2.63391
SDev	.0000635	1.140801	.83973	.1511004	2.063978	1.54689	.13491
%RSD	.0184712	63.09898	1.057476	46.75136	85.92344	88.42416	5.122035
#1	.3438342	2.611490	78.44176	.2357929	3.309058	-2.34511	-2.71071
#2	.3438329	2.310165	79.83718	.4976758	.0399513	-2.90987	-2.47814
#3	.3437236	.5022097	79.94882	.2361316	3.857327	.0067840	-2.71289

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3587116	-7.51680	1.129182	15.04936	-3.91303	-.055796	2.316118
SDev	3.301962	1.23362	1.794811	2.44533	1.93588	.273487	.139219
%RSD	920.5062	16.41157	158.9478	16.24873	49.47266	490.1527	6.010887
#1	-2.94829	-8.55635	.7550579	16.73942	-3.39705	-.200986	2.396933
#2	3.655609	-7.84043	-.449080	12.24540	-6.05462	.2596667	2.396059
#3	.3688176	-6.15362	3.081568	16.16327	-2.28742	-.226070	2.155362

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	154.0715	-.676624	.1220007	-.037412	-.319702
SDev	1.7886	2.388124	.0134507	.030058	.132058
%RSD	1.160918	352.9470	11.02514	80.34553	41.30678
#1	153.0395	-1.94194	.1069212	-.007332	-.407620
#2	156.1369	2.077913	.1263187	-.037453	-.383642
#3	153.0382	-2.16584	.1327622	-.067449	-.167843

Method: STL3 Sample Name: CCV4 Operator: NP
Run Time: 08/29/05 16:44:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50.17288	4859.350	527.5667	528.5162	513.5272	515.0182	18833.26
SDev	.26971	58.616	9.8065	4.3768	3.3552	2.0928	109.51
%RSD	.5375526	1.206251	1.858824	.8281275	.6533644	.4063472	.5814792
#1	49.86238	4797.921	516.8967	523.4654	509.8127	512.7345	18707.15
#2	50.30735	4865.453	536.1851	530.8894	514.4307	516.8443	18904.31
#3	50.34891	4914.676	529.6184	531.1938	516.3381	515.4758	18888.34

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	503.1660	517.9892	511.3042	512.7773	4990.648	37960.31	18600.67
SDev	2.9303	2.6968	2.6431	4.8126	35.497	398.59	138.61
%RSD	.5823687	.5206338	.5169355	.9385364	.7112662	1.050014	.7452074
#1	499.9017	515.1979	508.2742	507.7303	4949.730	37530.11	18447.14
#2	505.5693	520.5804	512.5023	513.2866	5009.027	38033.76	18638.25
#3	504.0270	518.1893	513.1360	517.3149	5013.185	38317.07	18716.62

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	504.0039	512.2539	38775.61	516.2227	518.3954	517.0001	495.5152
SDev	2.3821	6.1483	438.51	3.1258	5.1098	2.4125	3.4132
%RSD	.4726379	1.200251	1.130904	.6055098	.9856984	.4666399	.6888139
#1	501.2573	505.5243	38318.91	512.6136	516.8829	514.3823	493.4200
#2	505.5069	513.6601	38814.57	518.0624	514.2125	519.1340	499.4537
#3	505.2473	517.5773	39193.34	517.9921	524.0907	517.4840	493.6717

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	499.2426	517.0300	516.9844	525.7125	514.7413	512.2104	507.3847
SDev	4.8670	.8379	3.2451	5.4989	5.4712	3.2934	3.4526
%RSD	.9748747	.1620680	.6276975	1.045996	1.062896	.6429721	.6804778
#1	493.6585	516.0672	513.5403	527.4112	511.6258	508.4189	503.5368
#2	502.5834	517.4280	519.9849	519.5647	511.5396	513.8509	510.2119
#3	501.4860	517.5947	517.4279	530.1617	521.0587	514.3613	508.4055

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	909.3381	511.0467	504.4533	496.9356	498.9077
SDev	12.1133	4.7064	3.2834	2.7577	4.3647
%RSD	1.332096	.9209278	.6508907	.5549456	.8748589
#1	895.4662	506.1332	500.7868	493.8399	493.9390
#2	914.7226	511.4930	505.4508	497.8375	500.6607
#3	917.8257	515.5141	507.1223	499.1295	502.1234

Method: STL3 Sample Name: CCB4 Operator: NP
Run Time: 08/29/05 16:50:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.026449	-10.1674	2.249958	-.142687	.1291143	.0254876	4.950617
SDev	.139717	1.5636	.635343	.180141	.0143483	.0219729	.000000
%RSD	528.2493	15.37867	28.23800	126.2487	11.11283	86.21030	.0000000
#1	-.187780	-8.60236	1.709700	.0016950	.1291127	.0382781	4.950617
#2	.0543490	-10.1703	2.090258	-.085202	.1147669	.0380690	4.950617
#3	.0540839	-11.7296	2.949915	-.344554	.1434634	.0001157	4.950617

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0856158	-.408248	.0176039	.2545611	-6.02629	-39.3130	1.535281
SDev	.2261754	.221340	.1614910	.1591392	1.31240	9.2463	.512752
%RSD	264.1748	54.21709	917.3599	62.51513	21.77797	23.51982	33.39793
#1	-.174549	-.602168	-.123366	.0809035	-6.01004	-49.9456	1.534949
#2	.1959279	-.455466	-.017623	.3934241	-4.72208	-33.1572	1.022695
#3	.2354688	-.167109	.1938005	.2893558	-7.34674	-34.8361	2.048198

Elem	Mn2576	Mo2020	Na5889	Ni2316	Se1960	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.193287	1.506629	15.27530	.1315543	3.288302	-.010172	-2.54967
SDev	.074373	.460283	.65412	.3839373	3.518271	.915427	.76842
%RSD	38.47795	30.55051	4.282195	291.8471	106.9936	8999.760	30.13789
#1	-.236334	1.406187	15.75906	-.152301	-.771326	-.795921	-2.88779
#2	-.236117	2.008839	15.53578	.5684014	5.184697	-.229633	-1.67017
#3	-.107408	1.104861	14.53107	-.021438	5.451534	.9950389	-3.09104

Elem	Tl1908	2203/1	2203/2	1960/1	1960/2	V_2924	Zn2138
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-5.15095	.1288652	-.080385	-.690404	5.273673	-.059446	.6792903
SDev	2.91490	.4930319	1.169477	5.297608	3.504663	.135132	.1390506
%RSD	56.58954	382.5951	1454.836	767.3203	66.45583	227.3192	20.46998
#1	-8.45650	-.033698	-1.17726	-5.49077	1.583858	-.215360	.6006074
#2	-4.04734	-.262358	-.214095	-1.57382	8.557890	.0238583	.5974219
#3	-2.94900	.6826510	1.150199	4.993379	5.679269	.0131645	.8398415

Elem	Si2881	Sn1899	Sr4215	Ti3349	Zr3496
Units	ppb	ppb	ppb	ppb	ppb
Avge	-.620647	1.190694	-.045487	.1052532	.5514853
SDev	.356637	2.744406	.003739	.0568945	.3642530
%RSD	57.46216	230.4879	8.220859	54.05491	66.04945
#1	-.830980	2.306936	-.047646	.1453569	.9670975
#2	-.822089	-1.93594	-.041169	.0401374	.3996270
#3	-.208870	3.201088	-.047646	.1302653	.2877314

Sample Information File C:\AAUSER\SAMPINFO\083005.SIF

Description :
Batch ID : 53975, 53978
Volume Units : mL
Weight Units :
Analyst : DWH
Sample Volume : 0.50

AS Loc	Sample ID	Sample Weight	Sample Units	User Dilution	Remarks
9	ICVM05HWRK001	1.0000		1.0000	
10	ICB	1.0000		1.0000	
11	MB	1.0000		1.0000	
12	LCSM04JSTK001	1.0000		1.0000	
13	210561-14	1.0000		1.0000	
14	210579-1	1.0000		1.0000	
15	210579-1 MD	1.0000		1.0000	
16	210579-1 MS	1.0000		1.0000	
17	210579-1 D	1.0000		1.0000	
18	210579-2	1.0000		1.0000	
19	210579-2 D	1.0000		1.0000	
20	210579-3	1.0000		1.0000	
21	CCVM05HWRK001	1.0000		1.0000	
22	CCB	1.0000		1.0000	
23	210579-3 D	1.0000		1.0000	
24	210579-5	1.0000		1.0000	
25	210579-5 D	1.0000		1.0000	
26	210579-7	1.0000		1.0000	
27	210579-7 D	1.0000		1.0000	
28	210579-8	1.0000		1.0000	
29	210579-8 D	1.0000		1.0000	
30	210579-9	1.0000		1.0000	
31	210579-9 D	1.0000		1.0000	
32	210579-11	1.0000		1.0000	
33	CCVM05HWRK001	1.0000		1.0000	
34	CCB	1.0000		1.0000	
35	210579-11 D	1.0000		1.0000	
36	210579-12	1.0000		1.0000	
37	210579-12 D	1.0000		1.0000	
38	210579-13	1.0000		1.0000	
39	210579-13 D	1.0000		1.0000	
40	210579-14	1.0000		1.0000	
41	210579-14 D	1.0000		1.0000	
42	210579-15	1.0000		1.0000	
43	210579-15 D	1.0000		1.0000	
44	MB	1.0000		1.0000	
45	CCVM05HWRK001	1.0000		1.0000	
46	CCB	1.0000		1.0000	
47	LCSM04JSTK001	1.0000		1.0000	
48	210582-1	1.0000		1.0000	
49	210582-1 MD	1.0000		1.0000	
50	210582-1 MS	1.0000		1.0000	
51	210582-1 D	1.0000		1.0000	
52	210582-2	1.0000		1.0000	
53	210582-2 D	1.0000		1.0000	
54	210582-3	1.0000		1.0000	
55	210582-3 D	1.0000		1.0000	
56	210582-4	1.0000		1.0000	
57	CCVM05HWRK001	1.0000		1.0000	

0000277

58	CCB		1.0000	1.0000
59	210582-4	D	1.0000	1.0000
60	210582-5		1.0000	1.0000
61	210582-5	D	1.0000	1.0000
62	210582-6		1.0000	1.0000
63	210582-6	D	1.0000	1.0000
64	210586-3		1.0000	1.0000
65	210589-1		1.0000	1.0000
66	210589-1	MD	1.0000	1.0000
67	210589-1	MS	1.0000	1.0000
68	210589-2		1.0000	1.0000
69	CCVM05HWRK001		1.0000	1.0000
70	CCB		1.0000	1.0000
71	210589-3		1.0000	1.0000
72	210589-5		1.0000	1.0000
73	210589-6		1.0000	1.0000
74	210607-2		1.0000	1.0000
75	MB		1.0000	1.0000
76	LCSM04JSTK001		1.0000	1.0000
77	210580-1	C	1.0000	1.0000
78	210580-2	C	1.0000	1.0000
79	210580-3	C	1.0000	1.0000
80	210580-4	C	1.0000	1.0000
81	CCVM05HWRK001		1.0000	1.0000
82	CCB		1.0000	1.0000
83	210580-5	C	1.0000	1.0000
84	210580-6	C	1.0000	1.0000
85	210580-7	C	1.0000	1.0000
86	210580-8	C	1.0000	1.0000
87	210580-9	C	1.0000	1.0000
88	210611-1	C	1.0000	1.0000
89	1		1.0000	1.0000
90	2		1.0000	1.0000
91	3		1.0000	1.0000
92	CCVM05HWRK001		1.0000	1.0000
93	CCB		1.0000	1.0000

Method Name: STLHG1
Method Description: STLHG1
Element: Hg

Date: 08/30/2005
Technique:FI-MHS
Calibration Type:
Hg, Zero Intercept: Nonlinear
Wavelength: 253.7 nm
Sample Info Name: 083005.SIF Results Data Set Name: CV083005

Element: Hg Seq. No.: 1 AS Loc.: 1 Date: 08/30/2005
Sample ID: Calib Blank

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0013	0.0080	0.0013	02:21:49	No

Auto-zero performed.

Element: Hg Seq. No.: 2 AS Loc.: 2 Date: 08/30/2005
Sample ID: Standard 1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0033	0.0267	0.0046	02:22:46	No

[Hg] Standard number 1 applied. [0.200]
Correlation Coefficient: 1.00000 Slope: 0.01665

Element: Hg Seq. No.: 3 AS Loc.: 3 Date: 08/30/2005
Sample ID: Standard 2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0175	0.1102	0.0188	02:24:03	No

[Hg] Standard number 2 applied. [1.000]
Correlation Coefficient: 1.00000 Slope: 0.01644

Element: Hg Seq. No.: 4 AS Loc.: 4 Date: 08/30/2005
Sample ID: Standard 3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0379	0.2234	0.0392	02:25:22	No

[Hg] Standard number 3 applied. [2.000]
Correlation Coefficient: 1.00000 Slope: 0.01645

Element: Hg Seq. No.: 5 AS Loc.: 5 Date: 08/30/2005
Sample ID: Standard 4

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0911	0.5408	0.0924	02:26:42	No

S-shaped calibration curve detected. Two-coefficient equation used.
[Hg] Standard number 4 applied. [5.000]
Correlation Coefficient: 0.99897 Slope: 0.01734

Element: Hg Seq. No.: 6 AS Loc.: 6 Date: 08/30/2005

Sample ID: Standard 5

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.1781	1.0516	0.1794	02:28:03	No

[Hg] Standard number 5 applied. [10.00]
Correlation Coefficient: 0.99951 Slope: 0.01770

Calibration data for Hg

Standard ID	Mean Signal (Pk Height)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
Calib Blank	0.0013	---	----	----	----
Standard 1	0.0033	0.200	0.188	----	----
Standard 2	0.0175	1.000	0.989	----	----
Standard 3	0.0379	2.000	2.131	----	----
Standard 4	0.0911	5.000	5.081	----	----
Standard 5	0.1781	10.000	9.803	----	----
Calib Blank	0.0013	---	----	----	----
Correlation Coefficient: 0.99951		Slope:	0.01770	----	

Element: Hg Seq. No.: 7 AS Loc.: 9 Date: 08/30/2005
Sample ID: ICVM05HWRK001

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.471	5.471	0.0982	0.5677	0.0995	02:29:24	No

Element: Hg Seq. No.: 8 AS Loc.: 10 Date: 08/30/2005
Sample ID: ICB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.010	-0.010	-0.0002	0.0065	0.0011	02:30:44	No

Element: Hg Seq. No.: 9 AS Loc.: 11 Date: 08/30/2005
Sample ID: MB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.009	-0.009	-0.0002	0.0066	0.0012	02:31:40	No

Element: Hg Seq. No.: 10 AS Loc.: 12 Date: 08/30/2005
Sample ID: LCSM04JSTK001

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	7.622	7.622	0.1376	0.8131	0.1389	02:32:36	No

Element: Hg Seq. No.: 11 AS Loc.: 13 Date: 08/30/2005
Sample ID: 210561-14

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.002	-0.002	0.0000	0.0073	0.0013	02:33:58	No

Element: Hg Seq. No.: 12 AS Loc.: 14 Date: 08/30/2005
Sample ID: 210579-1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000	0.000	0.0000	0.0075	0.0013	02:34:56	No

Element: Hg Seq. No.: 13 AS Loc.: 15 Date: 08/30/2005
Sample ID: 210579-1 MD

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.072	0.072	0.0013	0.0147	0.0026	02:35:52	No

Element: Hg Seq. No.: 14 AS Loc.: 16 Date: 08/30/2005
Sample ID: 210579-1 MS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.967	0.967	0.0171	0.1059	0.0184	02:36:48	No

Element: Hg Seq. No.: 15 AS Loc.: 17 Date: 08/30/2005
Sample ID: 210579-1 D

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.033	0.033	0.0006	0.0111	0.0019	02:38:11	No

Element: Hg Seq. No.: 16 AS Loc.: 18 Date: 08/30/2005
Sample ID: 210579-2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.009	-0.009	-0.0002	0.0074	0.0011	02:39:07	No

Element: Hg Seq. No.: 17 AS Loc.: 19 Date: 08/30/2005
Sample ID: 210579-2 D

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.015	-0.015	-0.0003	0.0069	0.0010	02:40:03	No

Element: Hg Seq. No.: 18 AS Loc.: 20 Date: 08/30/2005
Sample ID: 210579-3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.006	0.006	0.0001	0.0082	0.0014	02:40:59	No

Element: Hg Seq. No.: 19 AS Loc.: 21 Date: 08/30/2005
Sample ID: CCVM05HWRK00J

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.778	4.778	0.0856	0.5052	0.0869	02:41:55	No

Element: Hg Seq. No.: 20 AS Loc.: 22 Date: 08/30/2005
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.006	-0.006	-0.0001	0.0067	0.0012	02:43:14	No

Element: Hg Seq. No.: 21 AS Loc.: 23 Date: 08/30/2005
Sample ID: 210579-3 D

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.001	-0.001	0.0000	0.0073	0.0013	02:44:10	No

Element: Hg Seq. No.: 22 AS Loc.: 24 Date: 08/30/2005
Sample ID: 210579-5

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.006	-0.006	-0.0001	0.0069	0.0012	02:45:04	No

Element: Hg Seq. No.: 23 AS Loc.: 25 Date: 08/30/2005
Sample ID: 210579-5 D

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.047	0.047	0.0008	0.0126	0.0021	02:46:00	No

Element: Hg Seq. No.: 24 AS Loc.: 26 Date: 08/30/2005
Sample ID: 210579-7

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.019	-0.019	-0.0003	0.0063	0.0010	02:46:54	No

Element: Hg Seq. No.: 25 AS Loc.: 27 Date: 08/30/2005
Sample ID: 210579-7 D

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.023	-0.023	-0.0004	0.0059	0.0009	02:47:49	No

Element: Hg Seq. No.: 26 AS Loc.: 28 Date: 08/30/2005
Sample ID: 210579-8

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.018	0.018	0.0003	0.0100	0.0016	02:48:44	No

Element: Hg Seq. No.: 27 AS Loc.: 29 Date: 08/30/2005
Sample ID: 210579-8 D

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.053	0.053	0.0009	0.0140	0.0022	02:49:39	No

Element: Hg Seq. No.: 28 AS Loc.: 30 Date: 08/30/2005
Sample ID: 210579-9

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.003	0.003	0.0001	0.0076	0.0014	02:50:35	No

Element: Hg Seq. No.: 29 AS Loc.: 31 Date: 08/30/2005
Sample ID: 210579-9 D

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.034	0.034	0.0006	0.0112	0.0019	02:51:29	No

Element: Hg Seq. No.: 30 AS Loc.: 32 Date: 08/30/2005
Sample ID: 210579-11

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.012	0.012	0.0002	0.0088	0.0015	02:52:27	No

Element: Hg Seq. No.: 31 AS Loc.: 33 Date: 08/30/2005
Sample ID: CCVM05HWRK001

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.885	4.885	0.0876	0.5155	0.0889	02:53:22	No

Element: Hg Seq. No.: 32 AS Loc.: 34 Date: 08/30/2005
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.007	-0.007	-0.0001	0.0062	0.0012	02:54:37	No

Element: Hg Seq. No.: 33 AS Loc.: 35 Date: 08/30/2005
Sample ID: 210579-11 D

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000	0.000	0.0000	0.0069	0.0013	02:55:32	No

Element: Hg Seq. No.: 34 AS Loc.: 36 Date: 08/30/2005
Sample ID: 210579-12

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.005	0.005	0.0001	0.0081	0.0014	02:56:27	No

Element: Hg Seq. No.: 35 AS Loc.: 37 Date: 08/30/2005
Sample ID: 210579-12 D

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.004	-0.004	-0.0001	0.0065	0.0012	02:57:21	No

Element: Hg Seq. No.: 36 AS Loc.: 38 Date: 08/30/2005
Sample ID: 210579-13

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.001	-0.001	0.0000	0.0068	0.0013	02:58:16	No

Element: Hg Seq. No.: 37 AS Loc.: 39 Date: 08/30/2005
Sample ID: 210579-13 D

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.006	0.006	0.0001	0.0078	0.0014	02:59:11	No

Element: Hg Seq. No.: 38 AS Loc.: 40 Date: 08/30/2005
Sample ID: 210579-14

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.004	0.004	0.0001	0.0075	0.0014	03:00:06	No

Element: Hg Seq. No.: 39 AS Loc.: 41 Date: 08/30/2005
Sample ID: 210579-14 D

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.008	-0.008	-0.0001	0.0066	0.0012	03:01:01	No

Element: Hg Seq. No.: 40 AS Loc.: 42 Date: 08/30/2005
Sample ID: 210579-15

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.009	-0.009	-0.0002	0.0068	0.0011	03:01:56	No

Element: Hg Seq. No.: 41 AS Loc.: 43 Date: 08/30/2005
Sample ID: 210579-15 D

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.004	-0.004	-0.0001	0.0072	0.0012	03:02:51	No

Element: Hg Seq. No.: 42 AS Loc.: 44 Date: 08/30/2005
Sample ID: MB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.018	-0.018	-0.0003	0.0056	0.0010	03:03:46	No

Element: Hg Seq. No.: 43 AS Loc.: 45 Date: 08/30/2005
Sample ID: CCVM05HWRK001

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.409	5.409	0.0971	0.5638	0.0984	03:04:41	No

Element: Hg Seq. No.: 44 AS Loc.: 46 Date: 08/30/2005
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.012	-0.012	-0.0002	0.0063	0.0011	03:06:03	No

Element: Hg Seq. No.: 45 AS Loc.: 47 Date: 08/30/2005
Sample ID: LCSM04JSTK001

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	7.565	7.565	0.1366	0.8074	0.1379	03:06:58	No

Element: Hg Seq. No.: 46 AS Loc.: 48 Date: 08/30/2005
Sample ID: 210582-1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.219	0.219	0.0039	0.0305	0.0052	03:08:16	No

Element: Hg Seq. No.: 47 AS Loc.: 49 Date: 08/30/2005
Sample ID: 210582-1 MD

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.379	0.379	0.0067	0.0476	0.0080	03:09:32	No

Element: Hg Seq. No.: 48 AS Loc.: 50 Date: 08/30/2005
Sample ID: 210582-1 MS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.497	1.497	0.0266	0.1657	0.0279	03:10:47	No

Element: Hg Seq. No.: 49 AS Loc.: 51 Date: 08/30/2005
Sample ID: 210582-1 D

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.067	0.067	0.0012	0.0145	0.0025	03:12:01	No

Element: Hg Seq. No.: 50 AS Loc.: 52 Date: 08/30/2005
Sample ID: 210582-2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.005	0.005	0.0001	0.0080	0.0014	03:12:56	No

Element: Hg Seq. No.: 51 AS Loc.: 53 Date: 08/30/2005
Sample ID: 210582-2 D

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000	0.000	0.0000	0.0074	0.0013	03:13:50	No

Element: Hg Seq. No.: 52 AS Loc.: 54 Date: 08/30/2005
Sample ID: 210582-3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.473	2.473	0.0440	0.2734	0.0453	03:14:46	No

Element: Hg Seq. No.: 53 AS Loc.: 55 Date: 08/30/2005
Sample ID: 210582-3 D

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.464	1.464	0.0260	0.1649	0.0273	03:16:03	No

Element: Hg Seq. No.: 54 AS Loc.: 56 Date: 08/30/2005
Sample ID: 210582-4

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.031	0.031	0.0006	0.0106	0.0019	03:17:20	No

Element: Hg Seq. No.: 55 AS Loc.: 57 Date: 08/30/2005
Sample ID: CCVM05HWRK001

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.420	5.420	0.0973	0.5683	0.0986	03:18:15	No

Element: Hg Seq. No.: 56 AS Loc.: 58 Date: 08/30/2005
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.007	-0.007	-0.0001	0.0070	0.0012	03:19:34	No

Element: Hg Seq. No.: 57 AS Loc.: 59 Date: 08/30/2005
Sample ID: 210582-4 D

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.026	0.026	0.0005	0.0104	0.0018	03:20:29	No

Element: Hg Seq. No.: 58 AS Loc.: 60 Date: 08/30/2005
Sample ID: 210582-5

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.007	0.007	0.0001	0.0083	0.0014	03:21:24	No

Element: Hg Seq. No.: 59 AS Loc.: 61 Date: 08/30/2005
Sample ID: 210582-5 D

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.059	0.059	0.0010	0.0133	0.0023	03:22:19	No

Element: Hg Seq. No.: 60 AS Loc.: 62 Date: 08/30/2005
Sample ID: 210582-6

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.057	0.057	0.0010	0.0134	0.0023	03:23:15	No

Element: Hg Seq. No.: 61 AS Loc.: 63 Date: 08/30/2005
Sample ID: 210582-6 D

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.030	0.030	0.0005	0.0110	0.0018	03:24:13	No

Element: Hg Seq. No.: 62 AS Loc.: 64 Date: 08/30/2005
Sample ID: 210586-3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.002	-0.002	0.0000	0.0071	0.0013	03:25:07	No

Element: Hg Seq. No.: 63 AS Loc.: 65 Date: 08/30/2005
Sample ID: 210589-1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.004	-0.004	-0.0001	0.0072	0.0012	03:26:02	No

Element: Hg Seq. No.: 64 AS Loc.: 66 Date: 08/30/2005
Sample ID: 210589-1 MD

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.002	0.002	0.0000	0.0080	0.0013	03:26:57	No

Element: Hg Seq. No.: 65 AS Loc.: 67 Date: 08/30/2005
Sample ID: 210589-1 MS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.870	0.870	0.0154	0.1021	0.0167	03:27:52	No

Element: Hg Seq. No.: 66 AS Loc.: 68 Date: 08/30/2005
Sample ID: 210589-2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.017	0.017	0.0003	0.0092	0.0016	03:29:08	No

Element: Hg Seq. No.: 67 AS Loc.: 69 Date: 08/30/2005
Sample ID: CCVM05HWRK001

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.846	4.846	0.0869	0.5159	0.0882	03:30:04	No

Element: Hg Seq. No.: 68 AS Loc.: 70 Date: 08/30/2005
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	0.0068	0.0012	03:31:21	No

Element: Hg Seq. No.: 69 AS Loc.: 71 Date: 08/30/2005
Sample ID: 210589-3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.002	0.002	0.0000	0.0078	0.0013	03:32:16	No

Element: Hg Seq. No.: 70 AS Loc.: 72 Date: 08/30/2005
Sample ID: 210589-5

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.006	0.006	0.0001	0.0078	0.0014	03:33:11	No

Element: Hg Seq. No.: 71 AS Loc.: 73 Date: 08/30/2005
Sample ID: 210589-6

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.002	0.002	0.0000	0.0079	0.0013	03:34:06	No

Element: Hg Seq. No.: 72 AS Loc.: 74 Date: 08/30/2005
Sample ID: 210607-2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.442	0.442	0.0078	0.0533	0.0091	03:35:01	No

Element: Hg Seq. No.: 73 AS Loc.: 75 Date: 08/30/2005
Sample ID: MB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.008	-0.008	-0.0001	0.0066	0.0012	03:36:20	No

Element: Hg Seq. No.: 74 AS Loc.: 76 Date: 08/30/2005
Sample ID: LCSM04JSTK001

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	7.760	7.760	0.1402	0.8356	0.1415	03:37:15	No

Element: Hg Seq. No.: 75 AS Loc.: 77 Date: 08/30/2005
Sample ID: 210580-1 C

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.013	0.013	0.0002	0.0090	0.0015	03:38:36	No

Element: Hg Seq. No.: 76 AS Loc.: 78 Date: 08/30/2005
Sample ID: 210580-2 C

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.005	0.005	0.0001	0.0083	0.0014	03:39:35	No

Element: Hg Seq. No.: 77 AS Loc.: 79 Date: 08/30/2005
Sample ID: 210580-3 C

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.012	0.012	0.0002	0.0093	0.0015	03:40:30	No

Element: Hg Seq. No.: 78 AS Loc.: 80 Date: 08/30/2005
Sample ID: 210580-4 C

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.097	0.097	0.0017	0.0177	0.0030	03:41:25	No

Element: Hg Seq. No.: 79 AS Loc.: 81 Date: 08/30/2005
Sample ID: CCVM05HWRK001

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.837	4.837	0.0867	0.5150	0.0880	03:42:20	No

Element: Hg Seq. No.: 80 AS Loc.: 82 Date: 08/30/2005
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000	0.000	0.0000	0.0076	0.0013	03:43:35	No

Element: Hg Seq. No.: 81 AS Loc.: 83 Date: 08/30/2005
Sample ID: 210580-5 C

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.006	0.006	0.0001	0.0083	0.0014	03:44:30	No

Element: Hg Seq. No.: 82 AS Loc.: 84 Date: 08/30/2005
Sample ID: 210580-6 C

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.006	0.006	0.0001	0.0081	0.0014	03:45:25	No

Element: Hg Seq. No.: 83 AS Loc.: 85 Date: 08/30/2005
Sample ID: 210580-7 C

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.013	0.013	0.0002	0.0091	0.0015	03:46:20	No

Element: Hg Seq. No.: 84 AS Loc.: 86 Date: 08/30/2005
Sample ID: 210580-8 C

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.020	0.020	0.0004	0.0100	0.0017	03:47:16	No

Element: Hg Seq. No.: 85 AS Loc.: 87 Date: 08/30/2005
Sample ID: 210580-9 C

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.006	0.006	0.0001	0.0081	0.0014	03:48:11	No

Element: Hg Seq. No.: 86 AS Loc.: 88 Date: 08/30/2005
Sample ID: 210611-1 C

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.059	0.059	0.0011	0.0137	0.0024	03:49:06	No

Element: Hg Seq. No.: 87 AS Loc.: 89 Date: 08/30/2005
Sample ID: 1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.002	0.002	0.0000	0.0079	0.0013	03:50:00	No

Element: Hg Seq. No.: 88 AS Loc.: 90 Date: 08/30/2005
Sample ID: 2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.006	0.006	0.0001	0.0083	0.0014	03:50:54	No

Element: Hg Seq. No.: 89 AS Loc.: 91 Date: 08/30/2005
Sample ID: 3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.078	0.078	0.0014	0.0159	0.0027	03:51:49	No

Element: Hg Seq. No.: 90 AS Loc.: 92 Date: 08/30/2005
Sample ID: CCVM05HWRK001

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.816	4.816	0.0863	0.5144	0.0876	03:52:47	No

Element: Hg Seq. No.: 91 AS Loc.: 93 Date: 08/30/2005
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	0.0072	0.0012	03:54:01	No

Acid Dig. Leachates (ICAP) Report Date: 8/29/05 9:17

Method Code..: 3010L	Batch Date...: 08/29/05	QC Code.....:	Equipment Code.:
Batch Code...: 53875	Batch Time...: 916	Calc Code.....: PFACW	Import Code....:
Status.....: RVWD	User Name....: skr	Location Code..: 57207	

SAMPLE:	Grp	Pos	Sample ID	Dilution	DIGICP Text	MLI mL	MLF mL	PREPF N/A	DLF N/A
	1	1	___MB__		Complete	50	50	1.0000	1.000
	1	2	___LCS_M05HLCS001_		Complete	50	50	1.0000	1.000
	1	3	210580_1_C___		Complete	10	50	5.0000	5.000
	1	4	210580_2_C___		Complete	10	50	5.0000	5.000
	1	5	210580_3_C___		Complete	10	50	5.0000	5.000
	1	6	210580_4_C___		Complete	10	50	5.0000	5.000
	1	7	210580_5_C___		Complete	10	50	5.0000	5.000
	1	8	210580_6_C___		Complete	10	50	5.0000	5.000
	1	9	210580_7_C___		Complete	10	50	5.0000	5.000
	1	10	210580_8_C___		Complete	10	50	5.0000	5.000
	1	11	210580_9_C___		Complete	10	50	5.0000	5.000
	1	12	210611_1_C___		Complete	10	50	5.0000	5.000

SW846 Dig. Leachates (Hg) Report Date: 8/30/05 11:29

Method Code..: HGDL	Batch Date...: 08/29/05	QC Code.....:	Equipment Code.:
Batch Code...: 53894	Batch Time...: 1405	Calc Code.....: PREPFO	Import Code....:
Status.....: RVWD	User Name....: rlm	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_M04JSTK001_		Complete	.04	50	1250.0000	625.0000
	1	3	210580_1_C___		Complete	5	50	10.0000	5.0000
	1	4	210580_2_C___		Complete	5	50	10.0000	5.0000
	1	5	210580_3_C___		Complete	5	50	10.0000	5.0000
	1	6	210580_4_C___		Complete	5	50	10.0000	5.0000
	1	7	210580_5_C___		Complete	5	50	10.0000	5.0000
	1	8	210580_6_C___		Complete	5	50	10.0000	5.0000
	1	9	210580_7_C___		Complete	5	50	10.0000	5.0000
	1	10	210580_8_C___		Complete	5	50	10.0000	5.0000
	1	11	210580_9_C___		Complete	5	50	10.0000	5.0000
	1	12	210611_1_C___		Complete	5	50	10.0000	5.0000